Annual Progress Report
(April 2017-March 2018)

Krishi Vigyan Kendra Manpur, Gaya

ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur

PROFORMA FOR ANNUAL REPORT 2017-18 (April 2017 to March 2018)

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S. B. Singh		9431810044	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 1st April, 2018)

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	Programme Coordinator	Dr. S. B. Singh	Chief scientist-cum-Univ. Professor In-Charge Head	Dairy Science	(37400-67000) 69180/-	17-03-1991	Permanent	Others
2	Subject Matter Specialist	Dr. Nidhi Sinha	SMS	Home. Science	(15600-39100) 30860/-	09-08-2007	Permanent	Others
3	Subject Matter Specialist	Dr. Ashok Kumar	SMS	Extension Education	(15600-39100) 29960/-	08-01-2008	Permanent	OBC
4	Subject Matter Specialist	Dr. Govind Kumar	SMS	Agronomy	(15600-39100) 27390/-	11-06-2009	Permanent	Others
5	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Vet. Science	(15600-39100) 24350/-	20-04-2012	Permanent	SC
6	Subject Matter Specialist						Vacant	
7	Subject Matter Specialist						Vacant	
8	Programme Assistant	Smt. Neha	Programme Asstt. (Lab. Tech.)	B. Sc. (Ag)	(9300-34800) 15670/-	02-11-2012	Permanent	OBC
9	Computer Programmer	Dr. Ved Prakash	Programme Asstt. (Computer)	MCA, Ph.D.	(9300-34800) 15210/-	20-05-2013	Permanent	OBC
10	Farm Manager	Sri Mukesh Kumar	Farm Manager	M. Sc.(Ag) (Ext.Edu.)	(9300-34800) 15670/-	30-10-2012	Permanent	OBC
11	Accountant / Superintendent	Sri Prem Kumar Thakur	Assistant	MBA in Finance	(9300-34800) 15210/-	13-04-2013	Permanent	OBC
12	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	(5200-20200) 11170/-	04-07-2013	Permanent	OBC
13.	Driver	Sri Rohit Kumar	Driver	Matric	(5200-20200) 8990/-	22-05-2015	Permanent	OBC
14.	Driver						Vacant	
15.	Supporting staff	Smt. Laxami Devi	Supporting staff	Non-Matric	9867/-(consolidated)		(Outsource)	SC
16.	Supporting staff	Sri Naulesh Kumar	Supporting staff	Matric	9867/-(consolidated)		(Outsource)	SC

1.6. Total land with KVK (in ha) : 10 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 ha**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					handed Over			ICAR/RAU
2.	Farmers Hostel					handed over			
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing					Only two side (2200 ft) Approx			
6	Rain Water harvesting structure								
7	Threshing floor					Handed Over			
8	Farm godown					Handed Over			RKVY
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit					Complete			ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16.	Others, Please Specify								
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		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
Microtek Sinewave UPS-SEBZ 1600/24V V2 (1)	2017	6,000	Satisfactory	KVK, Gaya
Microtek Sinewave 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				
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

S. N.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	28-08-2017		i. Action Plan regarding "Kishan Gyan Rath" should be preplanned in coordination with the J.D.Agriculture, Dept. of Agriculture and ATMA, Gaya. Participation of Agriculture Coordinator and Kisan Salahkar should also be ensured in the programme. ii. Expenditure made on Soil Testing of the soil sample collected from farmer's field under OFT and FLD programme should be made in the fund allotted for that purpose. iii. Requirement of Rhizobium culture by the farmers of district produced before University to supply the order. iv. Regular collection of soil sample should be taken from farmers field and send it to ARI, Patna or BAU, Sabour for timely testing. v. Participation of more farmers should be ensured in cooperation with the Dept. of Agriculture and ATMA in the Video Conferencing programme of KVKs. vi. Kisan Chaupal should be organized jointly by Dept. of Agriculture, ATMA and KVK cooperation and coordination of different departments should be ensured various programmes. vii. Training calendar should be circulated and communicated in Dept. of Agriculture, ATMA, Animal Husbandry and Horticulture. viii. Promoting farmers for making vermicompost from waste materials of used flowers. ix. Creating awareness among farmers about cultivation of flower plants and invite Dy. Director Horticulture as guest lecture in the training of flower cultivation. x. Use of Pro Tray should be ensured in FLd programme. xi. Establishment of demonstration unit at KVK campus for training and evaluation of farmers. xii. List of availability of seeds should be placed on notice board. xiii. Flaxy of new technical subjects should be placed in training hall. xiv. Coordination of different Departments of district and other agencies should be ensured to bring economic and social change in adopted village. xv. New villages should be adopted in every two years. xvi. List of subjects under Bihar Skill Development training should be placed on Notice Board so that the needy farmers may apply for the programme and get benefitted from it.		

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

List of Participants

1. Dr. A. K. Singh, Hon'ble Vice-Chancellor, BAU, Sabour, Bhagalpur Chairman
2. Dr. Anjani Kumar Singh, Director, ATARI, Patna
3. Dr. R. K. Sohane, DoEE, BAU, Sabour, Bhagalpur
4. Dr. S. B. Singh, Chief Scientist-cum-Univ. Prof., In-Charge Head, KVK, Gaya
5. Joint Agricultural Director, Magadh Pramandal, Gaya
6. Project Director, ATMA, Gaya
7. Dy. PD, ATMA, Gaya
8. Asstt. Director, Horticulture, Gaya
9. Sri Vinay Kumar Singh, A.D.P.P., Gaya
10. Sri Anil Kumar, Key Worker, PRAN, Gaya
11. District Agricultural Advisory, NFSM, Gaya
12. Smt. Mira Kumari Sinha, Progressive Farmer, Bairagi, Gaya SAC Member
13. Sri Birendra Singh, Progressive Farmer, Tetariya, Gaya SAC Member
14. Sri Chandra Bhushan Singh, Progressive Farmer, Mahmadpur, Tekari, Gaya SAC Member
15. Sri Vinod Kumar Singh, Progressive Farmer, Nawada, Sherghati, Gaya
16. Sri Ramesh Singh, Progressive Farmer, Ghareya, Wazirganj, Gaya
17. Smt. Rupa Devi, Progressive Farmer, Gaya
18. Smt. Resma Devi, Progressive Farmer, Gaya
19. Sri Nishant Kumar, Progressive Farmer, Gaya
20. Sri Aditya, Progressive Farmer, Mundera, Konch, Gaya
21. Sri Manish Nishad, Progressive Farmer, Gaya
22. Sri Suryadeo Mehta, Progressive Farmer, Punawa, Wazirganj, Gaya
23. Sri Satrughan Singh, Progressive Farmer, Gaya
24. Sri Bipin Kumar Nirala, Diha , Guraru, Gaya
25. Dr. Nidhi Sinha, SMS (Home Science), KVK, Gaya
26. Dr. Ashok Kumar, SMS (Ext. Edu.), KVK, Gaya
27. Dr. Govind Kumar, SMS (Agronomy), KVK, Gaya
28. Dr. Anil Kumar Ravi, SMS(Ani. Sci.), KVK, Gaya
29. Sri Mukesh Kumar, Farm Manager, KVK, Gaya
30. Smt. Neha, Prog. Asstt. (Lab. Tech.), KVK, Gaya
31. Sri Prem Kumar Thakur, Assistant, KVK, Gaya
32. Dr. Ved Prakash, Prog. Asstt. (Computer), KVK, Gaya
33. Sri Patwardhan Kumar, Stenographer, KVK, Gaya
34. Sri Rohit Kumar, Driver, KVK, Gaya
35. Sri Akhilesh Kumar Singh, Driver, KVK, Gaya

and all other progressive farmers.

2.a. District level data on agriculture, livestock and farming situation (2017-18)

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

Note: Please give recent data only

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

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

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

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

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

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

2. a. 4 Soil type

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

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

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

2. a. 6 Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Apr. 17	0.0			
May 17	1.61			
June 17	0.0	42-47		
July 17	142.3			
Aug. 17	648.6			
Sep. 17	49.2			
Oct. 17	0.0			
Nov. 17	0.0			
Dec. 17	0.0		02-05	
Jan. 18	0.0			
Feb. 18	20.0			
Mar. 18	8.0			

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 (2017-18)

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	Sikhar	Paddy, Wheat, Potato, Vegetables, Mushroom,	Use of non-recommended Pesticide, Use of traditional varieties	Seed Production / Vermi compost IPM INM Use of bio fertilizer
2.		Manpur	Saraiya	Paddy, Wheat, Vegetable, flower, Goatry, poultry	Use of non-recommended Pesticide, Use of traditional varieties	High incidence of insect pest
3.		Sherghati	Newada	Vegetable, Paddy, Wheat, Dairy, Vermi compost	Use of non-recommended Pesticide, Use of traditional varieties	-do-
4.		Tekari	Mahmadpur	Paddy, Wheat, lentil, Rai, sugarcane, Potato	Lack of irrigation facilityUse of non-recommended Pesticide, Use of traditional varieties	-do-
5.		Tankuppa	Barseema	Paddy, Wheat, Potato, Vegetables, Mushroom, Poultry, Dairy	-Use of non-recommended Pesticide, Use of traditional varieties	-do-

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2017-18) for its development and action plan

Name of village	Block	Action taken for development
Newada (P.C.)	Sherghati	FLD, OFT, Training, CFLD, Field days
Sikhar (Home Science)	Manpur	FLD, OFT, Training, CFLD, Field days
Barseema (Extension Education)	Tankuppa	FLD, OFT, Training, CFLD, Field days
Mahmadpur (Agronomy)	Tekari	FLD, OFT, Training, CFLD, Field days
Saraiya (Animal Science)	Manpur	FLD, OFT, Training, CFLD, Field days

2.1 Priority thrust areas

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

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievement of mandatory activities by KVK during the year 2017-18

OFT						FLD					
No. of technologies:						No. of technologies:					
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
12	**10**	**150**	**17**	**113**	**130**	**13**	**12**	**290**	**42**	**248**	**290**

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
76	**90**	**1800**	**581**	**2275**	**2856**	**1257**	**5456**	**3000**	**1800**	**10670**	**12470**

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
100.0	256.44		

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

* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper		
Seminar/conference/ symposia papers		
Books		
Bulletins		
News letter		
Popular Articles		
Book Chapter		
Extension Pamphlets/ literature		
Technical reports		
Electronic Publication (CD/DVD etc)		
TOTAL		

ON FARM TRIAL

Total No. of OFT conducted during the year 2017-18: 18

S.N.	Name of the Trail	Crop	Variety	Area (ha)/ farmer	No. of Farmers
1.	Mitigation of terminal heat stress in late sown wheat through foliar applied potassium nitrate (KNO3)	Wheat	HI 1563 DBW 14	750m2/farmer	6
2.	Performance of different wheat varieties under late sown irrigated condition	Wheat	BRW 934 DBW 14 HD 2985	0.4 ha/farmers	10
3.	Assessment of yield in paddy through “App” based fertilizer recommendation	Paddy	R. Sweta	0.4 ha/farmers	10
4.	Assessment of yield in short duration paddy at different dose of fertilizer recommendation	Paddy	Sahbhagi	4 ha	10
5.	Assessment of suitability of different pulse for preparation of nugget (Badi)	Value addition	-	1kg/farmer	10
6.	Assessment of different substrate supplement used in Oyster Mushroom production	Mushroom	Oyster mushroom	1kg/farmer	10
7	Efficacy of area specific mineral mixture for Bihar and other mineral mixture	Cow	-	3kg/farmer	30
8.	Effect of probiotics on milk production of dairy animals	Cattle	-	1.5/cattle	10
9.	Assessment of effect of different extension teaching methods used in enhancing yield of paddy	Paddy	Sahbhagi	0.4/farmer	40
10.	Performance of different levels of boron on browning & other qualities of cauliflower	Cauliflower	Snowball-16	1.0	10
11.	Mitigation of terminal heat stress in late sown wheat through foliar applied potassium nitrate (KNO3)	Wheat	HI 1563 DBW 14	750m2/farmer	6
12.	Testing of Sabour Chana-1 comparing with other promising varieties of chickpea	Chickpea	PG 186 Sabour Chana-1 BGM 547	750m2/farmer	KVK

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Mitigation of terminal heat stress in late sown wheat through foliar applied Potassium Nitrate (KNO_3)
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)	Technology option 1: Farmers Practice: General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray Technology option 2: Foliar spray 0.5% KNO3 at booting and 0.5% KNO3 at anthesis stage Technology option 3: Foliar spray 1.0 % KNO3 at anthesis stage
4.	Source of Technology	B.A.U., Sabour
5.	Production system and thematic area	Crop management under abiotic stress
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	After evaluating the different technological option in late sown wheat, results revealed that foliar application of potassium nitrate (KNO_3) solution @ 0.5% at two growth stages of crop i.e., booting and anthesis (TO_2) recorded higher yield (33.11 q/ha), net return (Rs. 31097 per ha) and BCR (2.09) closely followed by TO_3 (KNO_3 @ 1% at anthesis).
8.	Constraints identified and feedback for research	Potassium Nitrate (KNO_3) is not easily available in market. Almost all fertilizer sellers have no license for selling it.
9.	Process of farmers participation and their reaction	Farmers are very much convinced with the effect of this fertilizer as by using this fertilizer, effect of terminal heat stress can be minimized and consequently yield can be increased. At the same time they were looking anxious about the availability of KNO_3 at local market.

Thematic area: Crop management under abiotic stress

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

Technology assessed: Technology option 1: Farmers Practice: General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray
Technology option 2: Foliar spray 0.5% KNO3 at booting and 0.5% KNO3 at anthesis stage
Technology option 3: Foliar spray 1.0 % KNO3 at anthesis stage

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
TO_1 (F.P.)	10	210.70	42.30	35.40		27.65	27560	49769	22209	1.08
TO_2	10	251.70	47.40	38.40		33.11	28500	59597	31097	2.09
TO_3	10	232.80	45.10	38.10		31.86	28500	57348	28848	2.01

Results: Foliar spray of 0.5% KNO_3 at booting and 0.5% KNO_3 at anthesis stages (i.e., TO_1) found to be better in terms of yield advantage.

OFT-2

1.	Title of On farm Trial	Performance of different wheat varieties under late sown irrigated condition
2.	Problem diagnosed	Low yield due to unavailability of suitable variety of wheat for situation like late sown irrigated condition
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: Farmers practice: existing variety Technology option 2: BRW-934 (Sabour Nirjal) Technology option 3: DBW-14 Technology option 4: HD-2985
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Rice – Crop Production
6.	Performance of the Technology with performance indicators	1. Yield (qt/ha) 2. No. of tillers/m2 3. No. of ear head/ m2 4. 1000 grain weight (g) 5. Gross return (Rs/ha) 6. Net return (Rs/ha) 7. B:C Ratio
7.	Final recommendation for micro level situation	Among all the three treatment TO2 (DBW-14) gave the highest yield & B:C ratio. So it should be popularized among the farmers
8.	Constraints identified and feedback for research	There is scarcity of water in the region as well as severe heat problems and also late sown of wheat is general practice. Therefore, more heat tolerant & late sown varieties should be tested in the district.
9.	Process of farmers participation and their reaction	Farmers were satisfied with the variety DBW-14 and decided to adopt it.

Thematic area: Rice – Crop Production

Problem definition: Low yield due to unavailability of suitable variety of wheat for situation like late sown irrigated condition

Technology assessed: Technology option 1: Farmers practice: existing variety
Technology option 2: BRW-934 (Sabour Nirjal)
Technology option 3: DBW-14
Technology option 4: HD-2985

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (1000 grain wt.)						
FP	10	241.0	220.5	36.88		21.50		40850	14300	1.54
TO_1		297.4	274.5	39.58		34.90		65410	37860	2.43
TO_2		302.8	280.9	39.99		35.76		67944	41394	2.56
TO_3		269.9	250.9	37.25		29.20		57380	30830	2.16

Results: The above table shows that technological option TO_2 (DBW 14) gave the highest yield (35.76 q/ha) which was followed by TO_1 (SN) and there after TO_3 then the farmers practice. The table also reveals that TO_2 has the highest BC ratio of 2.56 followed by TO_1 (2.43).

OFT-3

1.	Title of On farm Trial	Assessment of yield in paddy through “App” based fertilizer recommendation
2.	Problem diagnosed	Farmers generally used fertilizers and other resources injudiciously causing yield reduction in rice
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology Option 1: Rice crop manager based nutrient recommendation (89:28:24:NPK / ha and 30 kg $ZnSo_4$ / ha) Technology Option 2: NE based recommendation (130:37:58 NPK + 17 kg $ZnSO_4$/ha) Technology Option 3: State recommendation(100:50:30 NPK + 15 kg $ZnSO_4$/ha) Technology Option 4: Farmers practice(130:31:20 NPK + 0 kg $ZnSO_4$/ha)
4.	Source of Technology	IRRI & BAU, Sabour
5.	Production system and thematic area	Rice-wheat-moongbean / Crop production
6.	Performance of the Technology with performance indicators	1. No. of tiller/ sq. meter 2. Grains/ earhead 3. 1000 grain wt (gm) 4. Cost of cultivation (Rs. /ha) 5. Yield (q/ha) 6. B: C ratio
7.	Final recommendation for micro level situation	NE based recommendation was found suitable & feasible for maximum yield gain.
8.	Constraints identified and feedback for research	CMRS Recommendation was almost same for all farmers in Gaya district except few. Soil test value must be computed through “App” for better result. Over all these should be reviewed.
9.	Process of farmers participation and their reaction	This is practically not feasible for all farmers but few innovative farmers showed there interest to adopt “App” based recommendations for timeliness and resource conservation.

Thematic area: Rice-wheat-moongbean / Crop production

Problem definition: Farmers generally used fertilizers and other resources injudiciously causing yield reduction in rice

Technology assessed: Technology Option 1: Rice crop manager based nutrient recommendation (89:28:24:NPK / ha and 30 kg $ZnSo_4$ / ha)
Technology Option 2: NE based recommendation (130:37:58 NPK + 17 kg $ZnSO_4$/ha)
Technology Option 3: State recommendation(100:50:30 NPK + 15 kg $ZnSO_4$/ha)
Technology Option 4: Farmers practice(130:31:20 NPK + 0 kg $ZnSO_4$/ha)

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
T_1- Rice crop manger based nutrient recommendation 84:28:25 + 28.5 kg $ZnSO_4$	10	284	305	14.43		49.50	28870	76750	47880	2.65
T2-NE based nutrient recommendation 100:26:41 + 23.5 kg $SnSO_4$		315	318	14.85		56.40	31717	87100	55383	2.75
T3- State recommendation RDF 100:50:30 For medium duration + 15 kg $ZnSO_4$		291	315	14.49		51.20	30970	79300	48330	2.65
T4- Farmers practice (136:31:20) + 0 $ZnSO_4$		281	303	14.32		46.60	29130	72400	43270	2.84

Results: After evaluating different “app” based fertilizer recommendations in medium duration paddy var. R.Sweta, results revealed that NE based fertilizer recommendation recorded higher yield (56.40 q/ha), net return (Rs. 55383/ha) and B:C ratio (2.75) closely followed by state recommendation and CMRS based recommendations were found at par with each other.

OFT-4

1.	Title of On farm Trial	Assessment of yield in short duration paddy at different dose of fertilizer recommendation
2.	Problem diagnosed	Imbalance use of fertilizer by the farmers in short duration paddy
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: current recommended dose of fertilizer (80:40:20Kg N:P:K/ha) Technology option 2: Proposed dose of fertilizer (100:45:30Kg N:P:K/ha) Technology option 3: Farmers practice (110:30:0 NPK / ha)
4.	Source of Technology	B.A.U., Sabour
5.	Production system and thematic area	Fertilizer management
6.	Performance of the Technology with performance indicators	1. No. of tiller/ sq. meter 2. Grains/ earhead 3. 1000 grain wt (gm) 4. Cost of cultivation (Rs. /ha) 5. Yield (q/ha) 6. B: C ratio
7.	Final recommendation for micro level situation	Farmers generally use higher dose of Nitrogen, less amount of P2O5 and almost negligible amount of potassium irrespective of duration of crop. Overall they use fertilizers intudicinously.
8.	Constraints identified and feedback for research	Crop lodging was observed at few farmers field at proposed dose of N i.e. 100 Kg/ha. For this variety, dose of N should be further standardized. Although crop lodging may be due to wind blowing at dough state of the crop.
9.	Process of farmers participation and their reaction	Farmers were doubtful about the dose of ‘N’ in proposed dose of fertilizers for Sahbhagi due to their crop lodging problem.

Thematic area: Fertilizer management

Problem definition: Imbalance use of fertilizer by the farmers in short duration paddy

Technology assessed: Technology option 1: current recommended dose of fertilizer (80:40:20Kg N:P:K/ha)
Technology option 2: Proposed dose of fertilizer (100:45:30Kg N:P:K/ha)
Technology option 3: Farmers practice (110:30:0 NPK / ha)

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (1000 grain wt.)						
T_1- Current recommended dose of fertilizer	10	218	225.30	22.94		45.80	29920	60250	30330	2.01
T2-Proposed dose of fertilizer (100:45:30)		226	232.20	23.10		49.70	30343	65125	34782	2.14
T3-Farmers Practice 110:30:0		198	202.60	22.85		41.40	28520	54750	26230	1.92

Results: After evaluating the yield performance of short duration variety of paddy Sahbhagi at different fertilizer doses it was found that at proposed dose of fertilizer i.e., 100:45:30 kg NPK/ha, yield (49.70 q/ha), net return (Rs. 34782/ha) and B: C ratio (2.14) was recorded higher followed by current recommended dose i.e., (80:40:20 kg NPK/ha).

OFT-5

1.	Title of On farm Trial	Assessment of suitability of different pulse for preparation of nugget (Badi)
2.	Problem diagnosed	Less durability, poor appearance and less palatability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: Farm women practices (Urad Badi) Technology option 2: Preparation of Badi of Chana Dal Technology option 3: Preparation of Badi of Moong Dal
4.	Source of Technology	CFTRI
5.	Production system and thematic area	Designing and development of high nutrient efficiency diet
6.	Performance of the Technology with performance indicators	1. Colour 2. Taste 3. Storability 4. B: C ratio.
7.	Final recommendation for micro level situation	Result shows that although the badi made as farmers practice i.e., urad dal badi appears cream in color, good in taste with fresh look with 85% acceptability and 20.5% infestation noticed after 6 months farmers should be recommended to go for technology option II as it also appears light brown in color with good in taste, 80% acceptability with only 16.5% infestation and B:C ratio is about 2.0 which is more healthier than the technology option I.
8.	Constraints identified and feedback for research	High price value and less acceptability of the value added product limit its uses in human diet. It leads towards low intake habit of pulse materials in diet.
9.	Process of farmers participation and their reaction	Increased availability and acceptability of value added product i.e., nugget(badi) make them highly acceptable as alternative food in place of other vegetables. Ultimately increasing protein intake of individual's diet.

Thematic area: Designing and development of high nutrient efficiency diet

Problem definition: Less durability, poor appearance and less palatability

Technology assessed: Technology option 1: Farm women practices (Urad Badi)
Technology option 2: Preparation of Badi of Chana Dal
Technology option 3: Preparation of Badi of Moong Dal

Table:

Technology option	No. of trials	Color	Taste	Palatability	Storability	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
TO_1	10	Cream	Good	85% acceptability	20.5	100	190	90	1.9
TO_2	10	Brown	Fair	65% acceptability	21.5	110	160	50	1.5
TO_3	10	Light brown	Good	80% acceptability	16.5	90	180	90	2.0

Results: Result shows that Tech. I and Tech. III are almost equivalent as their color, taste, acceptability and B:C ratio is almost same.

OFT-6

1.	Title of On farm Trial	Assessment of different substrate supplement used in Oyster Mushroom production
2.	Problem diagnosed	Low yield and less net return from cultivation of Oyster Mushroom
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: Farmers practices (use of wheat straw as base material) Technology option 2: Use of wheat straw + wheat bran @ 10% on dry weight of base material. Technology option 3: Use of wheat straw + rice bran @ 10% on dry weight of base material Technology option 4: Use of wheat straw + pulse husk @ 10% on dry weight of base material
4.	Source of Technology	Directorate of Mushroom Research, Solan, H.P.
5.	Production system and thematic area	Entrepreneurship development through Mushroom Production
6.	Performance of the Technology with performance indicators	Yield / kg/10 kg base B:C ratio
7.	Final recommendation for micro level situation	Supplementation enhances the production as shown in result in table shows that addition of supplement should be recommended to farmers to increase the overall benefit to the farmers from mushroom production. The most profitable option recommended to the farmers in Technology option II i.e., Use of wheat straw + wheat bran @ 10% on dry weight of base material as having highest B:C ratio of 2.6 and highest yield i.e., 8.2/kg/10 kg base material.
8.	Constraints identified and feedback for research	Unavailability of good quality bran to be used for the mushroom production which increases the chance of infestation if applied from mixture is not of good quality.
9.	Process of farmers participation and their reaction	Big farmers having producing in large amount eager to use this technology for their enhanced production as they have availability of good quality bran materieals from their field.

Thematic area: Entrepreneurship development through Mushroom Production

Problem definition: Low yield and less net return from cultivation of Oyster Mushroom

Technology assessed: Technology option 1: Farmers practices (use of wheat straw as base material)
Technology option 2: Use of wheat straw + wheat bran @ 10% on dry weight of base material.
Technology option 3: Use of wheat straw + rice bran @ 10% on dry weight of base material
Technology option 4: Use of wheat straw + pulse husk @ 10% on dry weight of base material

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield/kg/10 kg base	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
TO_1	10					6.5	300	650	350	2.16
TO_2	10					8.2	320	820	480	2.60
TO_3	10					7.4	315	740	325	2.30
TO_4	10					7.8	322	780	358	2.40

Results: Technology option II i.e., Use of wheat straw + wheat bran has more B:C ratio (2.6) in comparison to Technology option IV i.e., Use of wheat straw + pulse husk (2.4) with average production of 7.8

OFT-7

1.	Title of On farm Trial	Efficacy of area specific mineral mixture for Bihar and other mineral mixture
2.	Problem diagnosed	Deficiency of some minerals in cattle feed results in low milk production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice : Use of simple mineral mixture @ 50 g / day for 2 months Technology option 1: Use of Area specific mineral mixture @ 50 g / day for 2 months Technology option 2: Use of chelated mineral mixture @ 50 g / day for 2 months
4.	Source of Technology	BVC Patna
5.	Production system and thematic area	Feed Management
6.	Performance of the Technology with performance indicators	1. Milk production 2. Cost of milk production 3. Gross return 4. Net return 5. BCR
7.	Final recommendation for micro level situation	After assumed of different technology option it could be recommended to adopt Technology Option II for more benefit
8.	Constraints identified and feedback for research	1. Unavailability of balance ration/concentrate 2. Non descript breed
9.	Process of farmers participation and their reaction	Initially farmers were least interested due to high price of chelated mineral mixture but after successful outcome farmers are showing interest.

Thematic area: Feed Management

Problem definition: Deficiency of some minerals in cattle feed results in low milk production

Technology assessed: Farmers practice: Use of simple mineral mixture @ 50 g / day for 2 months
Technology option 1: Use of Area specific mineral mixture @ 50 g / day for 2 months
Technology option 2: Use of chelated mineral mixture @ 50 g / day for 2 months

Table:

Technology option	Average milk production kg/day/animals	Cost of milk production (2 Months)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice	6.09	6284	12789	6505	2.04
TO I	6.11	6191	12831	6640	2.07
TO II	6.69	6404	14075	7771	2.21

Results:

OFT-8

1.	Title of On farm Trial	Effect of probiotics on milk production of dairy animals
2.	Problem diagnosed	Low digestibility and low productivity in dairy animals
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: Farmers Practice: No probiotic supplementation Technology option 2: Probiotic supplementation @ 10g per day (Saccharomyces cerevisiae) Technology option 3: Probiotic supplementation @ 25g per day
4.	Source of Technology	BVC Patna
5.	Production system and thematic area	Dairy management
6.	Performance of the Technology with performance indicators	1. Milk production 2. Cost of milk production 3. Gross benefit 4. Net benefit 5. B:C ratio
7.	Final recommendation for micro level situation	After assessment of different technology option it could be recommended to adopt technology option II for more benefit
8.	Constraints identified and feedback for research	Unavailability of balance ration
9.	Process of farmers participation and their reaction	Farmers are ready to accept to use probiotic in cattle feed.

Thematic area: Dairy management

Problem definition: Low digestibility and low productivity in dairy animals

Technology assessed: Technology option 1: Farmers Practice: No probiotic supplementation
Technology option 2: Probiotic supplementation @ 10g per day (Saccharomyces cerevisiae)
Technology option 3: Probiotic supplementation @ 25g per day

Table:

Technology option	Milk production (kg/day)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice	5.9	4425	9261	4836	2.09
TO_1	6.8	4520	10694	6175	2.37
TO_2	7.1	4662	11198	6537	2.40

Results:

OFT-9

1.	Title of On farm Trial	Assessment of effect of different extension teaching methods used in enhancing yield of paddy
2.	Problem diagnosed	Low yield of paddy due to lack of judicious use of extension teaching methods
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice : Giving seed of improved variety of crop (paddy) [control group Technology option 1 : Giving seed of improved variety of crop (paddy) + organization of farmers club + Training Technology option 2 : Demonstration + Organization of farmers club + Training Technology option 3 : Demonstration + Organization of farmers club + Training + ICT
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Extension teaching methods & Crop Production
6.	Performance of the Technology with performance indicators	1. Adoption quotient 2. Change in knowledge gap 3. Change in yield 4. Change in B:C ratio
7.	Final recommendation for micro level situation	ICT should also be incorporated with other extension teaching methods for getting maximum yield as well as change in knowledge & adoption quotient
8.	Constraints identified and feedback for research	Many of the farmers are not handy in using ICT. Therefore, further trial should be conducted with combination of other extension teching methods.
9.	Process of farmers participation and their reaction	Farmers gave positive response to the trial conducted ready to adopt the technology.

Thematic area: Extension teaching methods & Crop Production

Problem definition: Low yield of paddy due to lack of judicious use of extension teaching methods

Technology assessed: Farmers Practice: Giving seed of improved variety of crop (paddy) [control group
Technology option 1: Giving seed of improved variety of crop (paddy) + organization of farmers club + Training
Technology option 2: Demonstration + Organization of farmers club + Training
Technology option 3: Demonstration + Organization of farmers club + Training + ICT

Table:

Technology option	Adoption quotient (%)	Knowledge (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	24.60	30.00	42.90	27832	56443	28611	2.02
TO I	31.60	37.80	44.97	28982	59174	30192	2.14
TO II	55.00	56.00	47.19	28802	62102	33300	2.16
TO III	63.60	67.80	49.39	29570.5	64864	35293.5	2.19

Results: It is quite obvious from the above table that technology option TO III (Demonstration + Organization of farmers club + Training + ICT) gave the maximum yield of paddy (49.39 qtl/ha) and the B:C ration was also found maximum. Adoption quotient (63.60%) and knowledge(67.8%) was also realized for the same technology option. Therefore, it could be concluded that judicious use of combination of extension teaching methods is required for getting the best result.

OFT-10

1.	Title of On farm Trial	Performance of different levels of boron on browning & other qualities of cauliflower
2.	Problem diagnosed	Poor quality of cauliflower in Gaya district
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice: Soil application of boron @ 4 kg/ha Technology option 1: Soil application of boron @10kg/ha Technology option 2: Soil application of boron @15kg/ha Technology option 3: Soil application of boron @15kg/ha + foliar spray of boron @ 0.2%
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	1. Height of plant (cm) 2. Weight of curd (gm) 3. Colour of curd 4. Yield (qtl/ha)
7.	Final recommendation for micro level situation	The result showed that with soil application of borax @15 kg/ha along with foliar spray @0.2% the best quality of cauliflower was found.
8.	Constraints identified and feedback for research	Farmers generally do not apply boron in cauliflower cultivation as they are unaware of its role in improving the quality
9.	Process of farmers participation and their reaction	Farmers participated actually during the trial and happy to see the improvement in quality of cauliflower, hence, had positive response toward the technology.

Thematic area: Integrated farming system

Problem definition: Farmers were not getting remunerative price of their produce due to its low quality. Poor quality of cauliflower in Gaya district

Technology assessed: Farmers Practice: Soil application of boron @ 4 kg/ha
Technology option 1: Soil application of boron @10kg/ha
Technology option 2: Soil application of boron @15kg/ha
Technology option 3: Soil application of boron @15kg/ha + foliar spray of boron @ 0.2%

Table:

Technology option	No. of trials	Height of plant (cm)	Weight of plant (gm)	Color of curd	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP: Soil application of boron @ 4 kg/ha		50.15	978.59	Pale white		122.64	67138.67	122640	55501.33	1.83
TO_1: Soil application of boron @10kg/ha		53.30	1111.63	White		145.85	70284.56	145850	75565.44	2.06
TO_2: Soil application of boron @15kg/ha		53.89	1163.2	White		154.08	72432.00	154080	81607.44	2.13
TO_3: Soil application of boron @15kg/ha + foliar spray of boron @ 0.2%		53.95	1179.06	White		155.25	72464.11	155250	82785.89	2.14

Results: It was found that TO_3 (Soil application of boron @15kg/ha + foliar spray of boron @ 0.2%) gave the highest net return (Rs. 155250/-) as well as highest BCR of 2.14. Therefore, the technology should be spread among the farmers and motivated for its adoption.

OFT-11

1.	Title of On farm Trial	Mitigation of terminal heat stress in late sown wheat through foliar applied potassium nitrate
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)	Technology option 1: Farmers Practice: General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray Technology option 2: Foliar spray 0.5% KNO3 at booting and 0.5% KNO3 at anthesis stage Technology option 3: Foliar spray 1.0 % KNO3 at anthesis stage
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Rice-Wheat cropping system. Crop management under abiotic stress
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_3 solution 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: Rice-Wheat cropping system. Crop management under abiotic stress

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

Technology assessed: Technology option 1: Farmers Practice: General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray
Technology option 2: Foliar spray 0.5% KNO3 at booting and 0.5% KNO3 at anthesis stage
Technology option 3: Foliar spray 1.0 % KNO3 at anthesis stage

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/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-12

1.	Title of On farm Trial	Testing of Sabour Chana-1 comparing with other promising varieties of chickpea
2.	Problem diagnosed	Low yield of local variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option 1: PG 186 Technology option 2: Sabour Chana-1 Technology option 3: BGM 547
4.	Source of Technology	
5.	Production system and thematic area	Yield enhancement
6.	Performance of the Technology with performance indicators	1. Plant height at 30,60,90 days and at maturity 2. Days to 50% flowering and days to maturity 3. No. of branches per plant, pods/plant and 100 seed weight (g) 4. Seed yield (kg/ha), straw yield/ha and harvest index(%) 5. Disease occurrence(Name & severity) 6. Insect infestation(Name & severity)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Yield enhancement

Problem definition: Low yield of local variety

Technology assessed: Technology option 1: PG 186
Technology option 2: Sabour Chana-1
Technology option 3: BGM 547

Table:

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

Results: **Result awaited**

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year 2017-18

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	
1.	Paddy	Varietal Evaluation	Seed	10	10	6	19	25	
2.	Wheat	Varietal Evaluation	Seed	10	10	4	21	25	
3.	Wheat, IARI	Varietal Evaluation	Seed	3	3	1	9	10	
4.	Cabbage	INM	Seed (Golden Acre)	2.0	2.0	2	18	20	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Paddy	Kharif 2017	Irrigated	Clay to clay lone	L	L	M	Moong	19.07.2017			
Wheat	Rabi 2017	Irrigated	Clay to clay lone	L	M	M	Paddy				
Wheat, IARI	Rabi 2017	Irrigated	Clay to clay lone	L	L	M	Paddy				
Cabbage	Rabi	Irrigated	Clay lone	-	-	-	Paddy	10.11.17 – 13.12.17	5.2.18-9.3.18	-	-

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	Productivity Enhancement	Seed + Sulphur + Herbicide + insecticide	36	20.0	15.8	8.55	40.20	18440	53600	31560	2.9	16160	38800	22640	2.4
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
Pigeonpea	Productivity Enhancement	Seed + Sulphur + Herbicide + insecticide	22	10	19.40	12.30	44.0	18110	87500	69390	4.83	14670	62000	47330	4.22
Chickpea	Productivity Enhancement	Seed + seed treatment	42	20	18.40	12.10	40.70	24160	80320	56160	3.32	20230	57240	37010	2.83
Lentil	Productivity Enhancement	Seed + Sulphur + Herbicide + insecticide	57	30	15.40	9.0	45.70	18560	59660	41100	3.21	17324	41180	23840	2.37
	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
Paddy	Varietal Evaluation	Seed	25	10	46.8	40.30	16.12			31506	72200	40694	2.29	29217	50860	21643	1.74
Wheat	Yield Enhancement	Seed	25	10	31.80	26.50	20.0			28760	56460	27700	1.96	26870	47080	20210	1.75
Cabbage	INM	Seed(Golden acre)	20	2.0	300.77	243.68	23.35			63098.45	210541.80	147943.35	3.36	57253.70	171374.60	11437.70	2.98
		Total															

Wheat (varietal evaluation for yield) through IARI, Pusa, Samastipur

Variety	Maximum Yield (Q/ha)	Minimum Yield (Q/ha)	Average Yield (Q/ha)
HD 2733	46.10	39.90	43.40
HD 2967	43.90	39.10	40.70
HD 3118	35.30	28.60	32.20
HD 2985	34.70	28.20	31.30

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters (Body weight at 40 weeks)		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow	Fodder Production	Barseem	38		515	470	9.5			12289	30900	18611	2.51	12280	28200	15920	2.30
Buffalo																	
Poultry	Poultry Production	Grampriya	100	10	2.1 kg	1.5 kg	40	48	21	61	210	149	3.44	54	15	96	2.78
Rabbitry																	

Pigerry																	
Sheep and goat	Goat Production	Black Bengal	10	1	Result Awaited												
Duckery																	
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

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	50	1 kg	8.2	6.5	39			300	820	520	2.7	280	650	370	2.3
Button mushroom																
Vermicompost																
Sericulture																

Apiculture																
Others (pl. specify)	Kitchen Garden	50	250 sq. m.	125 meals (275 kg)	66 meal (130 kg)	81			550	1650	1100	3.0	400	880	420	2.2
Total																

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

Women empowerment

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

Farm implements and machinery

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

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										

Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No.	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2017 and Rabi 2017-18:

Crop 1: Mustard (2017-18)

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	- Tinpakhia - Picheti Rai - Anukul	9.20	1030	1219	1800	RNG 48 + quality seed, sulphur, herbicide, insecticide, seed treatment	36	20	15.80	8.55	12.90			

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.	RNG 48 + quality seed, sulphur, herbicide, insecticide, seed treatment	16160	38800	22640	2.40	18440	53600	31560	2.90

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/ house hold)
1.	Mustard & RGN 48	25800	Not sold	40	Hardly 5 kg	Yet not decided	To meet own family	14

D. Oilseed Farmers' perception of the intervention demonstrated

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

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	1,08,000.00	57,521.00	50,479.00
	ii) TA/DA/POL etc. for monitoring	12,000.00	5,700.00	6,300.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,20,000.00**	**64,121.00**	**56,779.00**

K. List of Farmer under FLD (Crop wise)
Crop1 : Mustard

S. N.	Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
							Latitude	Longitude						H	L	A		
1.	Saroj Devi	W/o-Sri Bilash Manjhi	Bairka	Atri	9931220101							RNG-48	2					
2.	Brajmohan Singh	Sri Anuj Singh	Piyar	Atri	9975436118		24°52'30.46"	85°09'11.84"					2					
3.	Deepak Kumar	Sri Anugrah Narayan Singh	Piyar	Atri	9162094578		24°52'43.57"	85°09'06.93"					4					
4.	Rajesh Kumar	Sri Surendra Singh	Piyar	Atri	7250001104		24°52'29.48"	85°09'12.88"					4					
5.	Shailendra Singh	Late Ramvilash Singh	Piyar	Atri	9523970827		24°52'43.76"	85°09'13.65"					2					
6.	Avinash Kumar	Sri Ram Vilash Yadav	Kurmawan	Bodhgaya	9006478639		24°43'03.04"	84°53'22.42"					4					
7.	Ramesh Kumar	Sri Ram Vilash Yadav	Kurmawan	Bodhgaya	8804021860		24°42'59.82"	84°53'20.62"					4					
8.	Nagendra Pas	Sri Ramdhyan Paswa	Konchi	Gurarru	8804942155		24°47'31.67"	84°47'08.81"					2					

	wan	n																
9.	Om Kumar	Sri Krishna Singh	Munderа	Konch	9955266815		24°53'59.29"	84°45'43.11"					4					
10.	Raushan Kumar	Sri Yogendra Singh	Munderа	Konch	8434194158		24°54'00.93"	84°45'44.99"					4					
11.	Gulab Yadav	Late Bakhori Yadav	Gaura	Manpur	9939729095		24°48'11.09"	85°04'24.79"					2					
12.	Pradip Manjhi	Sri Jageshwar Manjhi	Tetariya	Manpur	8507562550								4					
13.	Indrajeet Singh	Late Ramdahin Singh	Are	Mohra	9110130880								2					
14.	Sohan Manjhi	Sri Bacchu Manjhi	Are	Mohra	8294749399								2					
15.	Dilip Kumar Singh	Late Ramcharitra Singh	Karamchak	Mohra	8809184361								2					
16.	Amindra Manjhi	Sri Munshi Manjhi	Nawada	Sherghati	7654280793		24°32'47.58"	84°46'19.23"					4					
17.	Amod Kumar	Sri Anil Kumar	Nawada	Sherghati	8434458045		24°32'46.78"	84°46'20.82"					2					
18.	Arvind Kumar	Sri Vilash Paswan	Nawada	Sherghati	7352525343		24°32'47.44"	84°46'08.35"					4					
19.	Bipin Kumar	Sri Lalan Prasad	Nawada	Sherghati	9955038364		24°32'42.69"	84°46'05.24"					2					
20.	Bittu Kumar	Sri Santosh Kumar	Nawada	Sherghati	9097170490		24°32'47.36"	84°45'56.97"					4					
21.	Gautam Kumar	Sri Shyam Bihari Prasad	Nawada	Sherghati	9934437969		24°32'40.58"	84°45'56.49"					4					

22.	Kamlesh Prasad	Sri Rambriksh Singh	Nawada	Sherghati	731974 4477		24° 32'45.71"	84°46'20.90"					2					
23.	Manoj Prasad	Sri Shivnandan Mehta	Nawada	Sherghati	725044 6187		24° 32'44.58"	84°46'19.05"					2					
24.	Mera Paswan	Sri Mundrika Paswan	Nawada	Sherghati	954660 4412		24° 32'44.00"	84°46'06.13"					2					
25.	Rajesh Prasad	Sri Parshuram Prasad	Nawada	Sherghati	822981 0600		24° 32'44.20"	84°46'02.07"					2					
26.	Rakesh Paswan	Sri Sudarshan Paswan	Nawada	Sherghati	703346 8202		24° 32'50.61"	84°46'06.03"					4					
27.	Ramashray Paswan	Sri Sudarshan Paswan	Nawada	Sherghati	980124 9631		24° 32'42.88"	84°45'47.54"					4					
28.	Rohit Kumar	Sri Keshav Prasad	Nawada	Sherghati	995594 7103		24° 32'45.10"	84°45'54.56"					2					
29.	Sanjay Kumar	Sri Ajay Prasad	Nawada	Sherghati	954610 5201		24° 32'27.82"	84°46'06.44"					2					
30.	Sumitra Devi	W/o-Sri Sanjay Singh	Nawada	Sherghati	778381 1903		24° 32'42.91"	84°46'01.44"					2					
31.	Sushil Kumar	Sri Pradyum Kumar	Nawada	Sherghati	993443 7969		24° 32'47.12"	84°45'58.20"					4					
32.	Tuntun Ram	Sri Ramkrit Ram	Nawada	Sherghati	765428 0793		24° 32'39.20"	84°45'56.64"					2					
33.	Akhilesh Singh	Sri Krishnandan Singh	Pakiya	Sherghati	985295 8403		24° 32'44.83"	84°46'21.35"					2					
34.	Jagdeep	Late Ballam Singh	Pakiya	Sherghat	995503 846		24° 32'44.68	84°46'20.46"					2					

	Singh			i	8		"											
35.	Suresh Singh	Late Hari Singh	Ghareya	Wazirganj	8969191788		24° 51'19.28"	85°08'31.97"					2					
36.	Pankaj Kumar	Sri Amrendra Kr. Singh	Sahiya	Wazirganj	8210224635								2					

Crop 2: Pulses

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Pigeon pea	Lal Dana, Desi	11.60	1245	1667	2600	Narendra Arhar - 1 + sulphur, trichoderma, herbicide & insecticide	22	10	19.40	12.30	16.70			
2.	Chickpea	Desia, Rajendra Chana	11.30	1190	1217	2300	PG 186 + Seed treatment	42	20	18.40	12.10	15.90			
3.	Lentil	Desia, Tikki, PL-406	8.30	960	1147	2000	HUL 57 + Sulphur, herbicide, trichoderma, Rhizobium	57	30	15.40	9.00	12.10			

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Narendra Arhar - 1 + sulphur, trichoderma, herbicide & insecticide	14670	62000	47330	4.22	18110	87500	69390	4.83
2.	PG 186 + Seed treatment	20230	57240	37010	2.83	24160	80320	56160	3.32
3.	HUL 57 + Sulphur, herbicide, trichoderma, Rhizobium	17340	41180	23840	2.37	18560	59660	41100	3.21

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays /house hold)
1.	Pigeonpea and Narendra Arhar-1	16700	Not sold yet	50	Not decided	Provide seed to others through seed exchange	To fulfill farm and family needs	22

2.	Chickpea and PG 186	31800	Not sold till date	48	Not decided	Not decided till date	To meet out farm and family needs	16
3.	Lentil & HUL 57	36300	Not	46	Not decided	Assured to give other farmers as seed exchange	To meet out family needs	15

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

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop 1 : Pigeon pea			
Use of sulphur	Enhanced seed yield	Check plot realized less yield	For enhancing yield sulhur application is essential
Use of insecticide against	Reduced infestation upto 80%	In check plots severity was	Farmers realized to spray

pod borer		more	insecticide two times to reduce the damage from podborer
Crop 2: Chickpea			
Seed treatment	Treated plot performed better in respect of growth and yield	Untreated seed if sown in the field, plant stand was poor & less yield realized	Farmers were satisfied to see the impact of seed treatment
Crop 3: Lentil			
Herbicide	Reduced cuscutta problems	In local check plots this was observed more	Pre-emergence application of herbicide reduces all kind of weeds
Use of trichoderma	Reduced wilt infestation by 30%	In local check plots the severity was more	Soil application of trichoderma culture reduces wilt information

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

H. Farmers' training photographs

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

Crop 1: Pigeonpea

Crop 2: Chickpea

Crop 3: Lentil

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1. Pigeonpea	i) Critical input	67,500.00	57,860.00	9,640.00
	ii) TA/DA/POL etc. for monitoring	7,500.00	4,400.00	3,100.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**75,000.00**	**62,260.00**	**12,740.00**
2. Chickpea	i) Critical input	1,35,000.00	1,38,950.00	(-) 3,950.00
	ii) TA/DA/POL etc. for monitoring	15,000.00	9,400.00	5,600.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,50,000.00**	**1,48,350.00**	**1,650.00**
3. Lentil	i) Critical input	2,02,500.00	1,86,359.00	16,141.00
	ii) TA/DA/POL etc. for monitoring	22,500.00	11,700.00	10,800.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**2,25,000.00**	**1,98,059.00**	**26,941.00**

A. List of Farmer under FLD (Crop wise)
Crop 1: Pigeonpea

S. N.	Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
							Latitude	Longitude						H	L	A		
1.	Nagendra Kumar	Ranvijay Prasad	Barorah	Gurarau	8969034114							Narendra Arhar	8					
2.	Pintu Kumar	Mahendra Pd. Akela	Barorah	Gurarau	9931711732								8					
3.	Rajeev Ranjan	Late Shyam Sundar Pd.	Barorah	Gurarau	8969781582								8					
4.	Rakesh Kumar	Deo Narayan Singh	Barorah	Gurarau	9546657474								8					
5.	Gauri Devi	W/o-Janki Manjhi	Dohari	Manpur			24° 49'13.41"	85°05'50.13"					8					
6.	Gaytri Devi	W/o-Dharam Manjhi	Dohari	Manpur			24° 49'12.41"	85°05'49.96"					8					
7.	Jawahar Manjhi	Jethu Manjhi	Dohari	Manpur	9771312893		24° 49'12.45"	85°05'48.32"					8					
8.	Kabutri Devi	W/o-Bilash Manjhi	Dohari	Manpur	8521802333		24° 49'15.10"	85°05'50.08"					8					
9.	Malti	W/o-Ranjit	Dohari	Man	725086		24° 49'1	85°05'49.					8					

	Devi	Manjhi		pur	6074		1.54"	54"										
10.	Mohan Manjhi	Rampati Manjhi	Dohari	Manpur	954606466		24°49'11.02"	85°05'49.41"					8					
11.	Radhiya Devi	W/o-Mohan Manjhi	Dohari	Manpur	900679596 2		24°49'16.05"	85°05'50.31"					8					
12.	Ram Pyari Devi	W/o-Sunil Mandal	Dohari	Manpur	703366295 3		24°49'13.97"	85°05'50.35"					8					
13.	Sarita Devi	W/o-Rajesh Manjhi	Dohari	Manpur	954626183 0		24°49'11.41"	85°05'48.30"					8					
14.	Shyamphul Devi	W/o-Jawahar Manjhi	Dohari	Manpur	852147300 9		24°49'11.14"	85°05'47.13"					8					
15.	Suma Devi	W/o-Govind Manjhi	Dohari	Manpur			24°49'10.76"	85°05'48.55"					8					
16.	Lalti Devi	W/o-Hari Manjhi	Naroghat	Manpur			24°49'15.37"	85°05'48.98"					16					
17.	Rubi Devi	W/o-Shiv Shankar Das	Naroghat	Manpur	730187287 0		24°49'13.28"	85°05'48.67"					16					
18.	Chotan Ravidas	Ramavtar Ravidas	Dhareya	Waziraganj	980161003 3		24°51'11.29"	85°08'40.53"					8					
19.	Nandu Ravidas	Jitan Ravidas	Dhareya	Waziraganj	800258094 8		24°51'11.78"	85°08'40.60"					8					
20.	Ramesh Singh	Bindeshwar Singh	Dhareya	Waziraganj	993406366 0		24°51'09.88"	85°08'41.35"					16					
21.	Shiv Shankar Ku	Kaleshwar Ravidas	Dhareya	Waziraganj	778388804 0		24°51'10.54"	85°08'40.88"					8					

	mar																	
22.	Phulwa Devi	W/o-Bacchan Manjhi	Naroghat	Waziraganj			24° 49'14.34"	85°05'49.91"					8					

Crop 2: Chickpea

S. N.	Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
							Latitude	Longitude						H	L	A		
1.	Balwant Kumar Singh	Surendra Singh	Bairka	Atri	8226820101		24°52'38.07"	85°08'51.84"				PG186						
2.	Ajay Manjhi	Kanhai Manjhi	Piyar	Atri	7257903095		24°52'38.45"	85°08'49.32"										
3.	Kishori Singh	Late Kedar Singh	Piyar	Atri	9939917411		24°52'37.80"	85°08'47.40"										
4.	Raghvendra Pratap Singh	Sanjay Singh	Piyar	Atri	9973155800		24°52'38.21"	85°08'50.32"										
5.	Sudhanshu Kr. Singh	Satish Kumar Singh	Piyar	Atri	8804653568		24°52'41.46"	85°08'06.81"										
6.	Sunil Kumar	Sitaram Prasad	Piyar	Atri	9955119532		24°52'37.79"	85°08'46.29"										
7.	Vikki Kum	Naresh Prasad	Piyar	Atri	8002497224		24°42'37.96"	84°53'18.29"										

	ar																	
8.	Binay Kumar	Phool Thakur	Kurmawan	Bodhgaya	9931604376		24°42'23.49"	84°52'37.35"										
9.	Ranjeet Kumar	Late Ghanu Mahto	Kurmawan	Bodhgaya	9931867728		24°42'57.04"	84°53'20.13"										
10.	Suman Kumari	Avinash Kumar	Kurmawan	Bodhgaya	9097691927		24°54'24.62"	84°45'59.45"										
11.	Abhishek Kumar	Sanjay Kumar	Mundera	Konch	9122870317		24°53'56.74"	84°45'45.42"										
12.	Aditya	Sri Niwash Sharma	Mundera	Konch	8789252354		24°54'02.84"	84°45'47.12"										
13.	Lalan Das	Ramsharan Das	Mundera	Konch	9955266815		24°53'57.45"	84°45'46.01"										
14.	Nishant Kumar	Ajit Kumar	Mundera	Konch	8002457370		24°53'58.65"	84°45'45.59"										
15.	Rakesh Kumar	Sri Ganesh Prajapati	Mundera	Konch	9155376557		24°54'01.97"	84°45'40.28"										
16.	Shailesh Singh	Ravindra Singh	Mundera	Konch	8862919330		24°53'56.94"	84°45'43.76"										
17.	Ujjwal Kumar	Shekhar Sharma	Mundera	Konch	7763949981		24°54'24.19"	84°46'00.09"										
18.	Yogendra Sharma	Naresh Sharma	Mundera	Konch	8002075530													
19.	Vineshwar Manjhi	Late Goga Manjhi	Bandhua	Manpur	9934431497													
20.	Mukesh Kumar	Late Munsi Mahto	Barew	Manpur			24°48'42.35"	85°03'22.52"										
21.	Vijay Manjhi	Jatan Manjhi	Lodipur	Manpur	9973983824													
22.	Gaud	Shank	Teta	Ma	9801													

	a Manjhi	ar Manjhi	riya	npur	881028													
23.	Mritunjay Kr. Singh	Indrajeet Singh	Are	Mohra	911013080													
24.	Prahlad Kumar	Sacchidanand Singh	Are	Mohra	756283290 8													
25.	Pappu Kumar Singh	Ramlakhan Singh	Gan okhar	Mohra	995584853 8													
26.	Gaurav Kumar	Shiv Kumar Singh	Karamchak	Mohra	880918436 1		24°32'46.54"	84°46'03.92"										
27.	Harihar Paswan	Late Jagdish Paswan	Nawada	Sherghati	800201515 2		24°32'36.89"	84°45'48.58"										
28.	Kumar Durga	Binod Kumar Singh	Nawada	Sherghati	995520328 6		24°32'36.13"	84°45'56.36"										
29.	Rajesh Kumar Verma	Rajkumar Prasad Singh	Nawada	Sherghati	995520328 6		24°32'48.60"	84°46'00.81"										
30.	Ramjeet Manjhi	Shivsagar Manjhi	Nawada	Sherghati	966142212 0		24°32'34.72"	84°45'45.95"										
31.	Ranjeet Kumar	Sadhusharan Singh	Nawada	Sherghati	875724824 0		24°32'48.40"	84°46'02.28"										
32.	Sudhir Kumar	Janki Paswan	Nawada	Sherghati	966193926 7		24°32'35.39"	84°45'55.90"										
33.	Uday Singh	Jaglal Singh	Nawada	Sherghati	943020227 0		24°53'21.77"	84°50'18.35"										
34.	Baijnath Yadav	Late Ayodhya yadav	Mahmadpur	Tekari	950462050 7		24°53'17.44"	84°50'13.08"										
35.	Mukesh Das	Jagdeo Das	Mahmadpur	Tekari	950751374 0		24°53'32.74"	84°50'40.64"										
36.	Pankaj	Siddhanath	Mahmad	Tekari	95763824		24°53'32.	84°50'42.										

	Kumar	Sharma	pur		28		31"	34"										
37.	Ramswaroop Manjhi	Late Ramkishun Manjhi	Mahmadpur	Tekari	9504510089		24°53'31.27"	84°50'44.97"										
38.	Sanjay Singh	Shivnandan Singh	Mahmadpur	Tekari	727737723 8		24°53'30.72"	84°50'46.19"										
39.	Vijay Singh	Late Deonandan Sharma	Mahmadpur	Tekari	773977070 5		24°50'58.95"	85°08'39.48"										
40.	Arvind Manjhi	Rampati Manjhi	Gharaya	Wazirganj	748496888 5													
41.	Rocky Kumar	Suryadeo Mehta	Punawan	Wazirganj	947328312		24°47'18.87"	85°10'12.91"										
42.	Rishav Singh	Santosh Kumar Sirmaur	Singathiya	Wazirganj	730134201 2		24°52'38.07"	85°08'51.84"										

Crop 3: Lentil

S. N.	Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
							Latitude	Longitude						H	L	A		
1.	Bindeshwari Singh	Late Dhanush Singh	Bairka	Atri	875774210 1							HUL-57	32					
2.	Niraj Sing	Surendra	Bairka	Atri	99739841								32					

	h	Singh			01													
3.	Bilash Manjhi	Late Maheshi Manjhi	Piyar	Atri	952330810 3		24°55'43.22"	85°09'08.48"					32					
4.	Dhananjay Kumar	Suresh Singh	Piyar	Atri	773976261 9		24°52'36.62"	85°08'43.80"					16					
5.	Kumar Shankar Dayal	Late Rajendra Singh	Piyar	Atri	887790523		24°52'45.00"	85°09'20.24"					16					
6.	Naresh Manjhi	Ramwali Manjhi	Piyar	Atri	995511953 2		24°52'35.38"	85°08'41.85"					16					
7.	Rajesh Mahto	Shiv Narayan Mahto	Piyar	Atri	707919738 5		24°52'37.77"	85°08'49.08"					32					
8.	Sindheshwar Pd. Singh	Late Bhagwat Singh	Piyar	Atri	943115169 3		24°52'35.00"	85°08'43.39"					16					
9.	Subedar Singh	Deonath Singh	Piyar	Atri	993972909 2		24°52'37.40"	85°09'26.85"					16					
10.	Sunil Kumar Singh	Late Baleshwar Singh	Piyar	Atri	995583595 6		24°52'37.42"	85°08'45.08"					16					
11.	Surendra Kumar Singh	Rajbalam Singh	Piyar	Atri	997317361		24°52'37.75"	85°08'48.27"					32					
12.	Toofan Chandra Bharti	Amod Kumar Singh	Piyar	Atri	829220014 3		24°52'35.09"	85°08'40.67"					16					
13.	Kaileshwar Yadav	Deolagan Yadav	Janibigha	Bodhgaya	850734160 7		24°40'57.74"	85°06'36.38"					16					
14.	Mahesh Yada	Ganauri Yada	Janibigha	Bodhgaya	725015090		24°41'14.11"	85°05'57.46"					16					

	v	v																
15.	Shankar Yadav	Ramchandra Yadav	Janibigha	Bodhgaya	8969802164		24°41'17.17"	85°05'49.24"					16					
16.	Siyaram Singh	Ramswaroop Singh	Konchi	Gurau	9507860185		24°47'28.75"	84°47'02.00"					32					
17.	Arvind Kumar	Ravindra Sharma	Mundera	Konch	9006736288		24°54'00.01"	84°45'40.96"					16					
18.	Ashok Kumar	Madan Singh	Mundera	Konch	7763949981		24°53'57.21"	84°45'47.65"					16					
19.	Dilip Kumar	Jagdish Ram	Mundera	Konch	9155150636		24°53'59.96"	84°45'41.67"					32					
20.	Jagdish Yadav	Chandarik Yadav	Mundera	Konch	8283938070		24°53'59.95"	84°45'42.62"					16					
21.	Raju Sharma	Gaurishankar Sharma	Mundera	Konch	9304670875		24°53'58.50"	84°45'47.47"					32					
22.	Ramvinay Singh	Arjun Singh	Mundera	Konch	9631054707		24°54'00.11"	84°45'40.60"					32					
23.	Shashank Deo	Dharmendra Kumar	Mundera	Konch	7677044636		24°53'22.24"	84°44'48.41"					16					
24.	Sudhir Kumar	Akhilesh Sharma	Mundera	Konch	8002245105		24°53'51.08"	84°44'34.52"					16					
25.	Prithviraj Singh	Gautam Kumar	Bandhua	Manpur	9472915914								32					
26.	Chotan Manjhi	Krishnandan Manjhi	Dohari	Manpur	7370833073		24°49'17.50"	85°05'50.78"					16					
27.	Domni Devi	W/o-Baishakhi Manjhi	Dohari	Manpur	9507025163		24°49'12.53"	85°05'16.48"					16					
28.	Lakshmi	W/o-Cong	Dohari	Manpu	95462318		24°49'12.	85°05'17.					16					

	Manjhi	ress Manjhi		r	30		70"	55"										
29.	Satrughan Manjhi	Matai Manjhi	Dohari	Manpur	773923479 3								32					
30.	Somri Devi	W/o-Subedar Manjhi	Dohari	Manpur	852350894 2								16					
31.	Kamal Narayan Singh	Late Vijay Narayan Singh	Tetariya	Manpur	943007370 8								32					
32.	Dinesh Yadav	Jharo Yadav	Are	Mohra									32					
33.	Sadhu Manjhi	Late Somar Manjhi	Bhagalpur	Mohra	916254460 3								32					
34.	Kunal Kumar	Dilip Kumar Singh	Karamchak	Mohra	880492183 2								32					
35.	Sanjeet Kumar	Kamlesh Singh	Maranchi	Paraiya	993465253 2								16					
36.	Avdhesh Paswan	Shivnandan Paswan	Nawada	Sherghati	720958297 6		24°32'50.37"	84°46'14.56"					32					
37.	Buddhan Manjhi	Krishna Manjhi	Nawada	Sherghati	919911929 0		24°32'45.07"	84°46'18.51"					16					
38.	Dilip Kumar	Nageshwar Singh	Nawada	Sherghati	911310596 6		24°32'43.83"	84°46'01.44"					16					
39.	Kapildeo Prasad Singh	Late Ramdeo Singh	Nawada	Sherghati	909717049 0		24°32'29.30"	84°46'07.28"					16					
40.	Nand Kishor Singh	Umesh Singh	Nawada	Sherghati	735252534 7		24°32'44.29"	84°46'03.94"					16					

41.	Nitish Kumar	Twinkle Kumar	Nawada	Sherghati	9631844461		24°32'50.24"	84°46'16.62"					16					
42.	Sanju Manjhi	Shivsagar Manjhi	Nawada	Sherghati	7563962881		24°32'42.16"	84°46'05.41"					16					
43.	Rishi Kumar	Pokhan Prasad	Baja Bigha	Tankuppa	9507302160								16					
44.	Abhishek Kumar	Siddhinath Sharma	Mahmadpur	Tekari	9504510089		24°53'33.63"	84°50'38.12"					16					
45.	Jogendra Manjhi	Charitra Manjhi	Mahmadpur	Tekari	9525477528		24°53'22.41"	84°50'13.01"					16					
46.	Lalita Devi	Ramu Manjhi	Mahmadpur	Tekari	8283938070		24°53'21.93"	84°50'11.40"					16					
47.	Manibhushan	Brajbhushan Singh	Mahmadpur	Tekari	9934084639		24°53'23.77"	84°50'23.53"					16					
48.	Mantu Kumar	Ramanuj Sharma	Mahmadpur	Tekari	8409697095		24°53'17.15"	84°50'18.63"					16					
49.	Ramswarth Singh	Late Lakshmi Singh	Mahmadpur	Tekari	7739541141		24°53'19.95"	84°50'18.51"					16					
50.	Roushan Kumar	Binod Singh	Mahmadpur	Tekari	8935839080		24°53'23.58"	84°50'17.62"					16					
51.	Sohrai Manjhi	Late Bishundahri Manjhi	Utrain	Tekari	9525857775		24°53'16.22"	84°50'13.19"					16					
52.	Kameshwar Manjhi	Bali Manjhi	Gharaya	Wazirganj	9934063660		24°50'59.09"	85°08'40.27"					32					
53.	Shaligram Mehta	Ramkishun Mahto	Punawan	Wazirganj	9471480267								32					
54.	Amrendra	Late Nand	Sahiya	Wazirg	88094516								16					

	Kumar Singh	Kishor Singh		anj	66													
55.	Bhawan Kumar	Ramdeo Singh	Singathiya	Wazirganj	9504393617		24°47'20.13"	85°10'10.75"					16					
56.	Ramdahin Singh	Late Jagdish Singh	Singathiya	Wazirganj	8757555765		24°47'19.79"	85°10'11.88"					16					
57.	Ranjay Kumar	Ramdahin Singh	Singathiya	Wazirganj	9934421375		24°47'19.46"	85°10'12.85"					16					

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													
Resource Conservation Technologies													
Cropping Systems	1	21	1	22	4	0	4				25	1	26
Crop Diversification	1	17	0	17	3	0	3				20	0	20
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1	7	0	7	2	12	14				9	12	21
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
Productivity Enhancement	4	69	1	70	23	0	23	0	0	0	92	1	93
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													

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													
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	2	25	2	27	6	10	16	0	0	0	31	12	43
Poultry Management	1	0	2	2	0	22	22				0	24	24
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	2	8	10				2	23	25
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	1	0	25	25	0	4	4				0	29	29
Storage loss minimization techniques													
Enterprise development	3	21	32	53	3	2	5	0	0	0	24	34	58
Value addition	2	0	20	20	0	4	4				0	24	24
Income generation activities for empowerment of rural Women	1	0	13	13	0	3	3				0	16	16
Location specific drudgery reduction technologies													

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
Rural Crafts													
Capacity building													
Women and child care	1	0	20	20	0	4	4				0	24	24
Others, if any													
Health & Nutruition	1	0	23	23	0	2	2				0	25	25
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													
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													

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
fodder													
Production of Fish feed													
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													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**20**	**160**	**154**	**314**	**43**	**71**	**0**	**114**	**0**	**0**	**0**	**203**	**225**

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	1	13	5	18	3	0	3				16	5	21
Bee-keeping	1	11	1	12	2	1	3				13	2	15
Integrated farming													
Seed production	1	21	1	22	1	0	1				22	1	23
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	35	0	35	2	0	2				37	0	37
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	1	30	0	30	0	0	0				30	0	30
Sheep and goat rearing	1	2	1	3	7	16	23				9	17	26
Quail farming													
Piggery													
Rabbit farming													

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
Poultry production													
Ornamental fisheries													
Enterprise development	1	0	28	28	0	0	0				0	28	28
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	1	0	26	26	0	4	4				0	30	30
Rural Crafts	1	0	15	15	0	7	7				0	22	22
TOTAL	**9**	**112**	**77**	**189**	**15**	**28**	**43**				**127**	**105**	**232**

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													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among 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	1	0	40	40	0	5	5				0	45	45

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
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Capacity building	1	90	55	148	9	12	21				99	70	169
Entrepreneurship development	1	19	2	21	3	1	4				22	3	25
TOTAL	**3**	**109**	**97**	**209**	**12**	**18**	**30**				**121**	**118**	**239**

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	58	0	58	8	0	8				66	0	66
Resource Conservation Technologies	1	42	0	42	8	0	8				50	0	50
Cropping Systems	1	20	0	20	2	0	2				22	0	22
Crop Diversification													
Integrated Farming													
Water management	1	43	0	43	5	0	5				48	0	48
Seed production	2	88	1	89	7	0	7				95	1	96
Nursery management													
Integrated Crop Management	3	57	0	57	14	0	14				71	0	71
Fodder production													
Production of organic inputs	5	138	10	148	34	3	37				172	13	185
Others, (cultivation of crops)													
Productivity Enhancement	1	18	0	18	3	0	3				21	0	21
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													

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
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	3	68	0	68	11	0	11				79	0	79
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	5	103	0	103	13	0	13				116	0	116
Feed management	3	41	5	46	14	22	36				55	27	82
Production of quality animal products													
Others, if any Goat farming	2	2	10	12	12	28	40				14	38	52
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet	1	3	12	15	0	3	3				3	15	18
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	1	0	15	15	0	2	2				0	17	17
Gender mainstreaming through SHGs	1	0	17	17	0	3	3				0	20	20
Storage loss minimization techniques	2	0	19	19	0	12	12				0	31	31
Enterprise development	1	4	21	25	0	2	2				4	23	27
Value addition	4	3	68	71	0	13	13				3	81	84
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	2	0	27	27	0	11	11				0	38	38
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													
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													

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
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	1	24	0	24	1	0	1				25	0	25
Group dynamics	2	35	0	35	6	3	9				41	3	44
Formation and Management of SHGs	3	37	6	43	6	12	18				43	18	61
Mobilization of social capital	2	4	6	10	16	13	29				20	19	39
Entrepreneurial development of farmers/youths	1	12	0	12	2	0	2				14	0	14
WTO and IPR issues													
Others, if any													
Information Networking	3	48	2	50	8	0	8				56	2	58
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**53**	**848**	**219**	**1067**	**170**	**28**	**297**				**1018**	**346**	**1364**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Dairying													
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	4	432	31	463	85	23	108				517	54	571
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	1	18	2	20	1	1	2				19	3	22
Livestock feed and fodder production													
Household food security													

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
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**5**	**450**	**33**	**483**	**86**	**24**	**110**				**536**	**57**	**593**

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	2	58	0	58	8	0	8				66	0	66
Resource Conservation Technologies	1	42	0	42	8	0	8				50	0	50
Cropping Systems	2	41	1	42	6	0	6				47	1	48
Crop Diversification	1	17	0	17	3	0	3				20	0	20
Integrated Farming													
Water management	1	43	0	43	5	0	5				48	0	48
Seed production	2	88	1	89	7	0	7				95	1	96
Nursery management													
Integrated Crop Management	4	64	0	64	16	12	28				80	12	92
Fodder production													
Production of organic inputs	5	138	10	148	34	3	37				172	13	185
Others, (cultivation of crops)													
Productivity Enhancement	5	87	1	88	26	0	26				113	1	114
TOTAL	**23**	**578**	**13**	**591**	**113**	**15**	**128**				**691**	**28**	**719**
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													

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
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													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	5	93	2	95	17	10	27				110	12	122
Poultry Management	1	0	2	2	0	22	22				0	24	24

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
Piggery Management													
Rabbit Management													
Disease Management	5	103	0	103	13	0	13				116	0	116
Feed management	3	41	5	46	14	22	36				55	27	82
Production of quality animal products													
Others, if any (Goat farming)	2	2	10	12	12	28	40				14	38	52
TOTAL	**16**	**239**	**19**	**258**	**56**	**82**	**125**				**295**	**101**	**396**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	2	8	10				2	23	25
Design and development of low/minimum cost diet	1	3	12	15	0	3	3				3	15	18
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1	0	15	15	0	2	2				0	17	17
Gender mainstreaming through SHGs	2	0	42	42	0	7	7				0	49	49
Storage loss minimization techniques	2	0	19	19	0	12	12				0	31	31
Enterprise development	4	25	53	78	3	4	7				28	57	85
Value addition	6	3	88	91	0	17	17				3	105	108
Income generation activities for empowerment of rural Women	1	0	13	13	0	3	3				0	16	16
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	3	0	47	47	0	15	15				0	62	62
Others, if any													
Health & Nutrition	1	0	23	23	0	2	2				0	25	25
TOTAL	**22**	**31**	**327**	**358**	**5**	**73**	**78**				**36**	**400**	**436**
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													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													

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
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development	1	24	0	24	1	0	1				25	0	25
Group dynamics	2	35	0	35	6	3	9				41	3	44
Formation and Management of SHGs	3	37	6	43	6	12	18				43	18	61
Mobilization of social capital	2	4	6	10	16	13	29				20	19	39
Entrepreneurial development of farmers/youths	1	12	0	12	2	0	2				14	0	14
WTO and IPR issues													
Others, if any													
Information networking	3	48	2	50	8	0	8				56	2	58
TOTAL	**12**	**160**	**14**	**174**	**39**	**28**	**67**				**199**	**42**	**241**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**73**	**1008**	**373**	**1381**	**213**	**198**	**398**				**1221**	**571**	**1792**

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	1	13	5	18	3	0	3				16	5	21
Bee-keeping	1	11	1	12	2	1	3				13	2	15
Integrated farming													
Seed production	1	21	1	22	1	0	1				22	1	23
Production of organic inputs													
Planting material production													
Vermi-culture	1	35	0	35	2	0	2				37	0	37
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	1	30	0	30	0	0	0				30	0	30
Sheep and goat rearing	1	2	1	3	7	16	23				9	17	26
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	1	0	26	26	0	4	4				0	30	30
Rural Crafts	1	0	15	15	0	7	7				0	22	22
Enterprise development	1	0	28	28	0	0	0				0	28	28
Others if any (ICT													

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
application in agriculture)													
TOTAL	**9**	**112**	**77**	**189**	**15**	**28**	**43**				**127**	**105**	**232**

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	4	432	31	463	85	23	108				517	54	571
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	18	2	20	1	1	2				19	3	22
Livestock feed and fodder production													
Household food security													
Women and Child care	1	0	40	40	0	5	5					45	45
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
Capacity building	1	90	58	148	9	12	21				99	70	169
Entrepreneurship development	1	19	2	21	3	1	4				22	3	25
TOTAL	**8**	**559**	**133**	**692**	**98**	**42**	**140**				**657**	**175**	**832**

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
Home Science/Women empowerment										
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
Minimization of storage loss	PF	Home scale methods of safe grain storage	1	OFF	0	10	10	0	6	6
Women empowerment	PF	Different Avenues of women entrepreneurship	1	ON	0	13	13	0	3	3
Women and child care	PF	Supplementary Nutrition –When, why and how	1	OFF	0	12	12	0	6	6
Enterprise development	PF	Different Avenues of women entrepreneurship	1	ON	0	17	17	0	1	1
Minimization of storage loss	PF	Household methods of safe grain storage	1	OFF	0	9	9	0	6	6
Value addition	PF	Value addition of fruits & vegetables	2	ON	0	20	20	0	4	4
SHG formation and function	PF	Self help group formation	1	OFF	0	17	17	0	3	3
Minimization of nutrient loss	PF	Minimization of nutrient loss during cooking	1	OFF	0	15	15	0	2	2
Low cost and nutrient efficient diet designing	PF	Low cost nutritive food available in rural area	1	OFF	3	12	15	0	3	3
SHG formation and function	PF	Women SHG formation and function	1	ON	0	25	25	0	4	4
Women and child care	PF	Human health and sanitation	1	ON	0	20	20	0	4	4
Enterprise development	PF	Mushroom production	1	OFF	4	21	25	0	2	2
Enterprise development	PF	Mushroom production	1	ON	13	4	17	3	0	3
Women and child care	PF	Importance and function of Nutrition	1	OFF	0	15	15	0	5	5
Value Addition	PF	Processing of seasonal fruits and vegetables	1	OFF	3	17	20	0	3	3
Enterprise development	PF	Mushroom production technique	1	ON	8	11	19	0	1	1
Kitchen garden	PF	Kitchen garden and human health	1	ON	0	15	15	2	8	10
Value Addition	PF	Preservation of seasonal fruits and vegetables	1	OFF	0	16	16	0	6	6
Value Addition	PF	Value addition of potato	1	OFF	0	20	20	0	2	2
Health & Nutrition	PF	"Adulteration" in food products	1	ON	0	23	23	0	2	2
Value Addition	PF	Value added products of "Amla"	1	OFF	0	15	15	0	2	2
Enterprise development	RY	Mushroom production technology	5	ON	13	5	18	3	0	3
Rural Art	RY	Rural Art-Indian Embroidery	5	ON	0	15	15	0	7	7
Enterprise	RY	Detergent and soap	2	ON	0	28	28	0	0	0

development		making								
Tailoring and Stitching	RY	Basics of stitching	2	ON	0	26	26	0	4	4
Health & Nutrition	EF	Human health and nutrition	2	ON	0	40	40	0	5	5
		Total	**38**		**44**	**441**	**485**	**8**	**89**	**97**
Crop Production										
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
Integrated Crop Management	PF	Production technology of summer mung	1	OFF	**18**	**0**	**18**	**7**	**0**	**7**
Weed Management	PF	Integrated weed management in mungbean	1	OFF	23	0	23	3	0	3
Production of organic inputs	PF	Importance of green manure crops for sustainable production	1	OFF	14	0	14	2	0	2
Integrated Crop Management	PF	Irrigation and fertilizer management in mungbean	1	OFF	18	0	18	2	0	2
Cropping Systems	PF	Package of practices for DSR	1	ON	21	1	22	4	0	4
Integrated Crop Management	PF	INM in paddy	1	OFF	21	0	21	5	0	5
Integrated Crop Management	PF	Package of practices for arhar production	1	ON	7	0	7	2	12	14
Crop Diversification	PF	Contingent crop plan to mitigate adverse weather condition	1	ON	17	0	17	3	0	3
Production of organic inputs	PF	Importance & use of compost and liquid bio-fertilizers	1	OFF	23	0	23	8	0	8
Production of organic inputs	PF	Importance of bio-fertilizers for sustainable agriculture	1	OFF	59	0	59	14	0	14
Seed production	PF	Seed treatment in rabi crops a multipurpose techniques	1	OFF	40	1	41	3	0	3
Productivity Enhancement	PF	Improved package of practices for rape-seed & mustard production	1	ON	17	0	17	4	0	4
Productivity Enhancement	PF	Improved package of practices for chickpea production	1	ON	15	0	15	7	0	7
Production of organic inputs	PF	Use of bio-fertilizers for sustainable crop production	1	OFF	24	0	24	3	0	3
Cropping Systems	PF	Rice-pulse cropping system management	1	OFF	20	0	20	2	0	2
Productivity Enhancement	PF	Improved package of practices for lentil production	1	ON	19	1	20	5	0	5
Productivity Enhancement	PF	Production technique of late sown wheat	1	OFF	18	0	18	3	0	3
Water management	PF	Fertilizer & water management	1	OFF	43	0	43	5	0	5
Weed Management	PF	Integrated weed	1	OFF	35	0	35	5	0	5

		management in wheat								
Seed production	PF	Seed production technique of wheat, pulses and oil seeds	1	OFF	48	0	48	4	0	4
Production of organic inputs	PF	Organic farming for sustainable production of vegetables	1	OFF	18	10	28	7	3	10
Resource Conservation Technologies	PF	Natural farming by the use of farm based and resources from cow	1	OFF	42	0	42	8	0	8
Productivity Enhancement	PF	Improved package of practices for mungbean	1	ON	18	0	18	7	0	7
Seed production	RY	Seed production technique of paddy	6	ON	21	1	22	1	0	1
		Total	**29**		**599**	**14**	**613**	**114**	**15**	**129**

Extension Education

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
Group dynamics	PF	Importance & need of farmers field school	1	OFF	16	0	16	4	1	5
Group dynamics	PF	Importance of kisan club for income generation in agriculture	1	OFF	19	0	19	2	2	4
Mobilization of social resources	PF	Basic utilization of available resources among farmers	1	OFF	2	6	8	2	2	4
Mobilization of social resources	PF	Exploitation of available resources	1	OFF	2	0	2	14	11	25
Capacity building	PF	Capacity building for seed production	1	OFF	24	0	24	1	0	1
Group formation	PF	Need & importance of SHGs for income generation	1	OFF	22	0	22	4	0	4
Formation & management of SHGs	PF	SHGs as the means of self employment to the farmers & farm women	1	OFF	14	2	16	2	0	2
Gender mainstreaming	PF	Gender mainstreaming through SHGs	1	OFF	1	4	5	0	12	12
Information networking	PF	Awareness of farmers for availability of markets	1	OFF	11	0	11	3	0	3
Information networking	PF	Awareness of farmers for daily updates	1	OFF	18	2	20	0	0	0
Information networking	PF	Awareness of farmers for daily updates	1	OFF	19	0	19	5	0	5
Entrepreneurship development	PF	Development of entrepreneurship skill among farmers in vermicomposting	1	OFF	12	0	12	2	0	2
Capacity building	EF	Capacity building for entrepreneurship development of extension functionaries	1	ON	90	58	148	9	12	21
Entrepreneurship development	EF	Entrepreneurship development through vermicomposting	2	ON	19	2	21	3	1	4
Vermicomposting	RY	Entrepreneurship development through	4	ON	35	0	35	2	0	2

		vermicomposting								
Beekeeping	RY	Beekeeping as the means for self employment	4	ON	11	1	12	2	1	3
		Total	**23**		**315**	**75**	**390**	**55**	**42**	**97**
Livestock Production and Management										
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
Poultry Management	PF	Income generation through backyard poultry production	1	ON	0	2	2	0	22	22
Dairy Management	PF	Management of heat stroke in dairy animals	1	ON	1	2	3	5	10	15
Dairy Management	PF	Clean milk production	1	ON	24	0	24	1	0	1
Dairy Management	PF	Scientific management for improvement of milk production	1	OFF	20	0	20	2	0	2
Goat Farming	PF	Small scale goat farming	1	OFF	0	4	4	0	28	28
Disease Management	PF	Management & prevention of HS & BQ in dairy animal	1	OFF	16	0	16	1	0	1
Feed Management	PF	Fodder production round the year	1	OFF	1	2	3	5	18	23
Disease Management	PF	Vaccination in poultry	1	OFF	22	0	22	2	0	2
Feed Management	PF	Treatment of straw with urea	1	OFF	20	3	23	7	4	11
Disease Management	PF	Management of common disease in dairy animals	1	OFF	23	0	23	2	0	2
Dairy Management	PF	Management of cattle in different season	1	OFF	21	0	21	5	0	5
Feed Management	PF	Feeding of dairy animals in different stage of life	1	OFF	20	0	20	2	0	2
Disease Management	PF	Management of common disease in dairy animals	1	OFF	23	0	23	2	0	2
Dairy Management	PF	Technique of productive enhancement in dairy animals	1	OFF	27	0	27	4	0	4
Disease Management	PF	Regular deworming and its importance in milk production	1	OFF	19	0	19	6	0	6
Goat Farming	PF	Management of common disease in goat	1	OFF	2	6	8	12	0	12
Goat Farming	RY	Entrepreneurship development in goat farming	12	ON	2	1	3	7	16	23
Dairy Management	RY	Entrepreneurship development in dairy farming	5	ON	30	0	30	0	0	0
Dairy Management	EF	Dairy Management	1	OFF	18	2	20	1	1	2
		Total	**34**		**289**	**22**	**311**	**64**	**99**	**163**

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	
Entrepreneurship development	RY	Mushroom production technology	5	16	5	21	Production unit	7	7	
Rural Art	RY	Rural Art-Indian Embroidery	5	0	22	22				
Entrepreneurship development	RY	Detergent and soap making	2	0	28	28				
Rural Art	RY	Basics of stitching	2	0	30	30				
Seed production	RY	Seed production technique of paddy	6	22	1	23				
Vermicomposting	RY	Entrepreneurship development through vermicomposting	4	99	70	169				
Beekeeping	RY	Beekeeping as the means for self employment	4	22	3	25				
Goat Farming	RY	Entrepreneurship development in goat farming	5	9	17	26				
Dairy Management	RY	Entrepreneurship development in dairy farming	5	30	0	30				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No.	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants									Sponsoring Agency
							Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Collection & preservation of neera		Apr	1	PF	1										100	ATMA, Darbhanga
2.	Collection & preservation of neera		Apr	1	PF	1										100	ATMA, Madhubani
3.	Collection & preservation of neera		Apr	1	PF	1										100	ATMA, Sitamarhi
4.	Soil health		Apr	1	PF	1										700	IFFCO, Gaya
5.	Collection & preservation of neera		May	1	PF	1										150	ATMA, Sheohar
6.	Collection & preservation of neera		May	1	PF	1										110	ATMA, Motihari
7.	Collection & preservation of neera		May	1	PF	1										125	ATMA, Betiya
8.	Package of practices for draught tolerant variety of paddy		May	1	PF	1										146	PRAN, Gaya
9.	Dairy Management		May	1	EF	1										22	NABARD, Gaya
10.	Commissionary level kharif mahabhiyan 2017		May	1	PF/EF	1										125	ATMA, Gaya
11.	District level kharif mahabhiyan 2017		May	1	PF/EF	1										401	ATMA, Gaya
12.	Collection & preservation of neera		May	1	PF	1										100	ATMA, Jehanabad
13.	Collection & preservation of neera		May	1	PF	1										150	ATMA, Arwal
14.	Collection & preservation of neera		May	1	PF	1										125	ATMA, Kaimur
15.	Block level kharif mahabhiyan 2017		May	8	PF/EF	21										2614	ATMA, Gaya
16.	Agronomical measures for soil & water conservation		Jun	2	EF	2										30	Deptt. Of Soil Conservation
17.	Crop management under dry land agriculture		Jun	2	EF	2										30	Deptt. Of Soil Conservation
18.	Value addition of milk		Jul	1	PF	1										28	SGIDT, Patna
19.	Annual general meeting of women federation		Jul	1	PF	1										275	Magadh Commissioner
20.	Agronomical measures to control plant diseases		Sep	1	PF	1										25	Astt. Dir., Plant Protection, Gaya
21.	Weed management strategies in paddy		Sep	1	PF	1										58	PRAN, Gaya
22.	Workshop on dairy entrepreneurship		Sep	1	PF	1										30	NABARD, Gaya
23.	Package of practices for rabi crops		Oct	1	PF	1										802	ATMA, Gaya
24.	Production technique of lentil crops		Oct	1	PF	1										129	ATMA, Gaya
25.	Use of bio-fertilizers in rabi pulses		Oct	1	PF	1										102	ATMA, Gaya
26.	Package of practices for oilseed crops production		Oct	1	PF	1										196	ATMA, Gaya
27.	Use of bio-fertilizers in pulse production		Oct	1	PF	1										86	ATMA, Gaya
28.	Fertilizer management in rabi pulses & oilseeds		Oct	1	PF	1										116	IFFCO, Gaya
29.	Production technique of rabi crops		Oct	1	PF	1										110	ATMA, Gaya

30.	Production technique of rabi crops		Oct	1	PF	1										82	ATMA, Gaya
31.	Production technique of rabi crops		Oct	1	PF	1										131	ATMA, Gaya
32.	Management of dairy animals in winter		Oct	1	PF	1										80	ATMA, Gaya
33.	Fodder production round the year		Oct	1	PF	1										92	ATMA, Gaya
34.	Vaccination in dairy animals		Oct	1	PF	1										85	ATMA, Gaya
35.	Different avenues of vaikalpik kheti		Oct	1	PF	1										102	ATMA, Gaya
36.	Different avenues of vaikalpik kheti		Oct	1	PF	1										95	ATMA, Gaya
37.	Different avenues of vaikalpik kheti		Oct	1	PF	1										65	ATMA, Gaya
38.	Awareness program for agriculture farmers		Dec	1	PF	1										250	Directorate of field publicity, Gaya
39.	Workshop on agri-clinic & agri-business		Jan	1	PF	1										30	NABARD, Gaya
40.	Phytohormones & their role		Jan	1	PF	1										25	ATMA, Gaya
41.	Use of organic fertilizers		Feb	1	PF	1										26	NFL, Gaya
42.	Field visit & on spot suggestion		Mar	1	PF	2										35	DAO/ATMA
43.	Management of cattle in summer		Mar	1	PF	1										40	DAO/ATMA
44.	Management of heat stress in dairy animals		Mar	1	PF	1										32	DAO/ATMA
45.	Management of calf during summer		Mar	1	PF	1										43	DAO/ATMA
46.	Clean milk production															45	DAO/ATMA
47.	Field visit & on spot suggestion		Mar	1	PF	2										40	DAO/ATMA
48.	Package of practices for Rabi Crops		Mar	1	PF	1										45	DAO/ATMA
49.	field visit and verification of crops		Mar	1	PF	1										35	DAO/ATMA
50.	Field visit & on spot suggestion		Mar	1	PF	2										45	DAO/ATMA
51.	Field visit –cum-Training on Rabi Crops		Mar	1	PF	2										35	DAO/ATMA
52.	Field visit –cum-Training on Rabi Crops		Mar	1	PF	2										40	DAO/ATMA
53.	Management of cattle in summer		Mar	1	PF	1										38	DAO/ATMA
54.	Fodder production around the year		Mar	1	PF	1										30	DAO/ATMA
55.	Seed production techniques of rabi crops		Mar	1	PF	1										52	BSSOCA, Patna
56.	Importance of Seed Certification		Mar	1	PF	1										52	BSSOCA, Patna
57.	Infertility in dairy animals		Mar	1	PF	1										41	DAO/ATMA
58.	Management of common disease in dairy animals		Mar	1	PF	1										32	DAO/ATMA
59.	Seed production techniques of Garma Mungbean		Mar	1	PF	1										40	BSSOCA, Patna
60.	Capacity building programme for Elected Women Representative of Panchayati Raj Institutions		Mar	1	PF	1										45	NIPCCD, N. Delhi

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	12	252	135	387	43	22	5	27	274	140	414
Kisan Mela	5										Mass
Kisan Ghosthi (Kisan Chaupal + Kisan Gyan Rath)	53	882	323	1205	35	32	12	44	914	335	1249
Exhibition	0								0	0	0
Film Show (Kisan Gyan Rath)	22	829	286	1115	47	70	15	85	899	301	1200
Method Demonstrations	11	183	131	314	26	0	0	0	183	131	314
Farmers Seminar	2	5	5	10	40	0	0	0	5	5	10
Workshop	5	180	9	189	40	0	0	0	180	9	189
Group meetings	5	35	10	45	60	10	5	15	45	15	60
Lectures delivered as resource persons	25	567	258	825	25	45	15	60	612	273	885
Advisory Services	2714	1954	700	2654	30	40	20	60	1994	720	2714
Scientific visit to farmers field	389	264	125	389	60	0	0	0	264	125	389
Farmers visit to KVK	2171	1564	437	2001	43	145	25	170	1709	462	2171
Diagnostic visits	15	55	5	60	10	0	0	0	55	5	60
Exposure visits	7	214	36	250	5	0	0	0	214	36	250
Ex-trainees Sammelan	1	45	22	67	20	0	0	0	45	22	67
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	7	130	26	156	21	0	0	0	130	26	156
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
MahilaMandals Conveners meetings											
Celebration of important days (specify)											
Sankalp Se Siddhi	1	425	60	485	35	9	6	15	434	66	500
Swatchta Hi Sewa	6	393	70	463	45	15	2	17	408	72	480

Mahila Kisan Divas	1	0	116	116	60	0	4	4	0	120	120
Soil Health Day	1	377	45	422	37	10	5	15	387	50	437
Independence Day	1	25	5	30	20	0	0	0	25	5	30
Republic Day	1	20	5	25	20	0	0	0	20	5	25
National conference	1	556	104	660	40	70	20	90	626	124	750
Any Other (Specify)											
Total	**5456**	**8955**	**2913**	**11868**		**468**	**134**	**602**	**9423**	**3047**	**12470**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	64
Radio talks	2
TV talks	0
Popular articles	0
Extension Literature	2
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided
Paddy	R.Sweta	119.50	300950	45
	Sahbhagi	52.20	134886	20
Lentil	HUL-57	5.39	31648	01
Wheat	DBW-14	43.00	117018	08
	HI-1563	26.00	76275	05
	S.Nirjal	2.95	7200	02
Moong	PDM-139	7.40	60600	25
Grand Total		**256.44**	**728577**	**106**

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided
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 NA

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted
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
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Small ruminants				
Sheep				
Goat	Black Bengal	17		
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
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 :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2017						
Rabi 2017-18						
Summer/Spring 2018						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	1. Economic security among rural women through self help group' A study of Gaya district,Journal of Pharmacognosy and Phyto chemistry 2018 PP 2472-2476. 2. Entrepreneurial Behaviour: A key to doubling farm women income Bulletin of Environment, Pharmacology and life science Vol 16 Special Issue[5] 2017 529-532 3. Impact of assessment of KVK training, Int.J. of Current Microbiology Applied Sci. Special Issue-7 4. Association of Socio-personal and Psycho-Economic variables with knowledge of beekeepers in Bihar, Int.J. of Current Microbiology Applied Sci. Special Issue-7 PP-2969-2977 5. Effectiveness of training in enhancing knowledge of beekeepers: A study in Bihar, Journal of Pharmacognosy and Phyto chemistry 2018 PP 320-324.	Dr. Nidhi Sinha Dr. Nidhi Sinha Dr. Nidhi Sinha Dr. Ashok Kumar Dr. Ashok Kumar		
Seminar/conference/ symposia papers	1. Economic security among rural women through self help group' A study of Gaya district ICFA 2018 29-31 Mar 2018 2. Entrepreneurial Behaviour: A key to doubling farm women income PRAGATI – 2017, 11-12 Nov. 2017 3. Nutrition security, ATDS, U.P., 2017, 27-28 Oct 17 4. Impact of assessment of KVK training, SAID, Patna 27-29 Jan 18 5. Association of Socio-personal and Psycho-Economic variables with knowledge of beekeepers in Bihar, SAID, Patna 27-29 Jan 18 6. Effectiveness of training in enhancing knowledge of beekeepers: A study in Bihar, ICFA 2018	Dr. Nidhi Sinha Dr. Nidhi Sinha Dr. Nidhi Sinha Dr. Nidhi Sinha Dr. Ashok Kumar Dr. Ashok Kumar		
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	1. Annual report (Apr 2017-Mar 18) of KVK, Gaya 2. Monthly report – 12 3. Action Plan(April 18- March 19) 4. Extension Council meeting report- 2 5. SAC Meeting report 2017 6. Training Calendar - 4 7. Success story of innovative farmers-2 8. Krishak Samachar – Quarterly 9. KVK ATMA convergence 10. Report on cluster demonstration 11. Report on Soil health day – 2017 12. Information regarding doubling of farmer's income 13. Outcomes and Evaluation of KVKs during XII Plan 14. Valuation of KVKs for Categorization into A, B, C, & D Categories 15. Report for NITI Ayog - 3			
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.	Training of trainers	Fundamental skill development	Dr. S. Chaurasia (Senior Scientist & Head)	24.4.17 – 03.05.17 (10 Days)	BSDM/ASCI/ BAU, Sabour
2.	Training of trainers	Fundamental skill development	Dr. Nidhi Sinha SMS (Home Science)	24.4.17 – 03.05.17 (10 Days)	BSDM/ASCI/ BAU, Sabour
3.	Training of trainers	Fundamental skill development	Dr. Ashok Kumar SMS (Extension Education)	24.4.17 – 03.05.17 (10 Days)	BSDM/ASCI/ BAU, Sabour
4.	Training of trainers	Fundamental skill development	Dr. Anil Kumar Ravi SMS (Animal Science)	24.4.17 – 03.05.17 (10 Days)	BSDM/ASCI/ BAU, Sabour
5.	Training on soil testing	Soil Analysis	Dr. Ashok Kumar SMS (Extension Education)	21.11.17– 23.11.17 (03 Days)	BAU, Sabour
6.	Training of trainer	Capacity building training of EWR	Dr. Nidhi Sinha SMS (Home Science)	27.11.17– 30.11.17 (04 Days)	NIPCCD, New Delhi
7.	Training of trainers	Fundamental skill development	Dr. Govind Kumar SMS (Agronomy)	22.12.17– 31.12.17 (10 Days)	BSDM/ASCI/ BAU, Sabour
8.	Training of trainers	Domain skill development	Dr. Ashok Kumar SMS (Extension Education)	29.12.17– 31.12.17 (3 Days)	BSDM/ASCI/ BAU, Sabour

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

1. Success Story of Sri Dharmendra Kumar

S. N.	Particulars	Personal details
1	Aadhar No.	500889353082
2	Name of farmer	Dharmendra Kumar
3	Village	Shekha Bigha north
4	Block	Manpur
5	District	Gaya
6	Educational qualification	Intermediate
7	Mobile No.	9771275358, 9123197808
8	Area of Farm	2.0 ha
9	No. of dairy animal	03 (2 cow + 1 Buffalo)
10	Area of Pond, if any	1.0 acre
11	Krishi Vigyan Kendra/ College/ University where benefitted	KVK, Manpur, Gaya
12	Enterprises	Mushroom & Vegetable production
13	No. of farmers benefited from your enterprises	200
14	Average growth rate of last 2-3 years	16%
15	Member details in (SHGs, Producer Cooperative)	Budha Kisan UtpadanSamuh (Secretary)
16	Innovation	Mushroom & Vegetable production
17	Honor/Award from other institution	Nehru Yuva Kendra, Gaya
18	If any other concerned knowledge	Sincere about to achieve the concerned knowledge
19	Details of achievements	He is a progressive farmer of Gaya district who has the courageto bear risks while taking any innovative idea practice in his farm. He took many head based skill oriented training as well as guideline from KVK, Gaya in order to go for scientific cultivation. Presently, he has adopted diversified farming in Vegetables, Fruits, Dairy, Mushroom production, Wheat, Paddy etc. details shown in table.

S. N.	Enterprise	Area in Acre	Cost of Production (Rs.)	Gross Income (Rs.)	Net Income (Rs.)
1	Paddy	2.5	29000	79000	50000
2	Wheat	2.5	36000	86000	50000
3	Vegetables	3.5	70000	270000	200000
4	Guava	12	20000	30000	10000
5	Mushroom	40 Bags	2500	10000	7500
Total Rs.			**157500**	**475000**	**317500**




2. Success Story of Sri Chitaranjan Kumar

S. No.	Particulars	Personal details
1	Aadhar No.	737108084995
2	Name of farmer	Chitaranjan Kumar
3	Village	Maranchi
4	Block	Paraiya
5	District	Gaya
6	Educational qualification	Matric
7	Mobile No.	9934652532
8	Area of Farm	5.5 acre (2.5 own & 3.0 leased)
9	No. of dairy animal	04 cow/ 10 goats
10	Area of Pond, if any	01 acre
11	Krishi Vigyan Kendra/ College/ University where benefitted	KVK, Manpur, Gaya
12	Enterprises	Bee Keeping
13	No. of farmers benefited from your enterprises	100
14	Average growth rate of last 2-3 years	40%
15	Member details in (SHGs, Producer Cooperative)	Secretary, SHG
16	Innovation	Promoted beekeeping among neighbouring farmers
17	Honor/Award from other institution	Consolation prize by BAU, Sabour for best Beekeeper farmers
18	If any other concerned knowledge	Self-interested for gaining the concerned knowledge from Krishi

			Vigyan Kendra, Gaya/BAU, Sabour and other departments also for betterment of the enterprise.		
19	Details of achievements		Apart from other agricultural activities Beekeeping attracted me more, thus after getting training from KVK and other institute, I started this enterprise from very small scale. Presently, I have 500 Bee box apart from diversified farming like Dairy/ Goatry/Fish Farming and other cash crop production/ cultivation. I also wish to go for mushroom production in near future. I sue new agricultural technologies and remain in contact with KVK, Gaya.		
S. N.	**Enterprise**	**Area in Acre**	**Cost of Production Rs.**	**Gross Income Rs.**	**Net Income Rs.**
1	Paddy	3.0	22000	50000	28000
2	Wheat	2.5	24000	47500	23500
3	Mungbean	2.0	10000	35000	25000
4	Chickpea	1.0	7000	26000	19000
5	Mustard	0.5	6800	21000	14200
6	Vegetables	0.5	38000	125000	87000
7	Cow	04 No.	130000	205000	75000
8	Goat	10 No.	21000	42000	21000
9	Beekeeping	500 No.	400000	1000000	600000
Total Rs.			**658800**	**1551500**	**892700**

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

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

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

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far :

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

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Scientist & farmers interaction	437	15	Hon'ble MP, Sri Hari Manjhi & Block Pramukh Smt. Kumari Anita Singh	300	422

3.12. Activities of rain water harvesting structure and micro irrigation system **No**

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

3.13. Technology week celebration **No**

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	**Name of the person**	**Purpose of visit**
28-08-2017	Dr. Prem Kumar, Hon'ble Agri. Minister, Govt. of Bihar	Sankalp Se Siddhi
28-08-2017	Sri Hari Manjhi, Hon'ble MP	Sankalp Se Siddhi
28-08-2017	Dr. A. K. Singh, Vice-Chancellor, BAU Sabour	Sankalp Se Siddhi
28-08-2017	Dr. R. K. Sohane, DoEE, BAU sabour	Sankalp Se Siddhi
28-08-2017	Dr. Anjani Kumar singh, Director, ATARI, Patna	Sankalp Se Siddhi
28-08-2017	Dr. A. C. Jain, JDA, Mgadh Pramandal, Gaya	Sankalp Se Siddhi
05-12-2017	Sri Hari Manjhi, Hon'ble MP	World Soil Day
05-12-2017	Smt. Kumari Anita Singh, Block Pramukh	World Soil Day
20-12-2017	Shrinidhi Kumar, P.O. Livelihood, CRS, Patna	KVK Visit
15-01-2018	Sri Hari Manjhi, Hon'ble MP	Inauguration of BSDM training
18-01-2018	Dr. Vijay Saxena, NILERD (NITI Ayog), New Delhi	Evaluation of KVK
19-01-2018	Dr. Sunil Kumar Singh, APC, Patna	KVK Visit
19-01-2018	Sri Himanshu Roy, Director Agriculture, Patna	KVK Visit
07-02-2018	Dr. Arvind Kumar, RD, ARI, Patna	KVK Visit
12-02-2018	Dr. A. K. Singh, Vice-Chancellor, BAU Sabour	KVK Visit
12-02-2018	Dr. R. K. Sohane, DoEE, BAU sabour	KVK Visit
17-03-2018	Sri Hari Manjhi, Hon'ble MP	Live telecast of the addressing by Hon'ble PM

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)
Use of Rhizobium		62%	32000	36000
Change in cropping system		45%	100000	166000
Deworming in animal		22%	3750	4025
FMD in animal		21%	5000	8000
Formulation of balance diet		30%	4000	5000
Value- addition of fruits & vegetable		15%	2000	3500
Women empowerment and income generation through Mushroom production		40%	500	3000
Zero tillage		35%	51000	54000
Use of pendimethylen in crops		65%	61000	65000
DSR		5%	20000	24000

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

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

- ✓ Popularization of draught tolerant variety in district
- ✓ ZT technology in wheat can address the causes for delayed sowing of wheat in Gaya district which has replaced traditional sowing of wheat by 12-15%, out of total 75000 ha.
- ✓ Soil management through green manuring/biomass in corporation before paddy cultivation about 30-40%.
- ✓ More than 30-40 percent families of 20 villages of 10 different blocks growing mushroom for self consumption and income generation.
- ✓ Goat farming for small and landless farmers by upgrading non-descript goat. about 15 farmers established goatry unit as independent enterprise in the district.
- ✓ Vermi-compost production technology- Till now 74 training in vermicomposting organized and almost 18% of the trainees started.
- ✓ Higher yield obtained in comparison to local check in oilseed (27.0%) and in pulses averagely(43%) due to adoption of improved technologies.
- ✓ Reduction in wilt disease was noticed in pulses(approximately 15%) by the use of trichoderma & chemical seed treatment.
- ✓ Popularization of eco-friendly and safe insecticide i.e., Fipronil, Indoxacarb Emamectin Benzoate.

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

- Cluster demonstration on oilseed, pulses chickpea lentil field pea
- Development of demonstration plot- Crop Cafeteria
  - Wheat - 32 varieties (timely, late and rainfed)
  - Paddy – 10 varieties (long and medium duration
- Vermicompost demonstration unit started – Tank method and surface method
- Organising two animal health camps in every month.
- Organising Ex-trainees meet for mushroom production and vermicompost production.
- Established linkage with NGO “Going to school” and organised financial support for the ex trainees of the centre for establishment of entrepreneur. About 8 trained youth started their enterprise in different field.
- Organized BSDM training on Mushroom Grower (Small Entrepreneur).
- Displayed film show through Kisan Gyan Rath in different villages of the district.

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 2017-18by 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.									
2.									
3.									
	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	
Moong	Mar. 17	May 17	2.0	PDM-139	T/L	7.53	9500	90360	
Paddy	July 17	Nov. 17	3.40	R. Sweta	C/S	89.11	85884	374262	
Paddy	July 17	Nov. 17	1.30	Sahbhagi	C/S	50.70	31850	152100	
Mustard	Nov. 17	Mar. 18	0.10	RNG-48	T/L	0.61	2000	4270	
Lentil	Nov. 17	Mar. 18	1.25	HUL-57	C/S	3.03	11625	24240	
Wheat	Nov. 17	In Field	0.75	S. Nirjal	F/S	In Field	20181	-	
Wheat	Dec.17	In Field	1.00	DBW-14	F/S	In Field	26909	-	
Wheat	Dec.17	In Field	1.24	DBW-14	C/S	In Field	33368	-	

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.	Goat	Black Bengal	Kids				
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)
15 Jan – 22 Feb 2018	27	30	
26 Mar – 28 Mar 2018	45	3	
Total :	**72**	**33**	

(For whole of the year)

6.6. Utilization of staff quarters **NA**

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

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on – 1st April 2018
	Kharif	Rabi	Kharif	Rabi	
Mustard		1,20,000.00		64,121.00	56,779.00

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2018
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea	75,000.00		62,260.00		12,740.00
Chick pea		1,50,000.00		1,48,350.00	1,650.00
Lentil		2,25,000.00		1,98,059.00	29,941.00
Green gram		75,000.00		64,121.00	10,879.00

7.4. Utilization of KVK funds during the year 2017-18(Not audited)

SN	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	86,70,000.00	86,70,000.00	86,20,000.00
2	Traveling allowances	1,60,000.00	1,60,000.00	1,60,000.00
3	HRD	70,000.00	70,000.00	65,000.00
4	Contingencies			
A	Stationery, telephone, postage and other office charges, POL, repair of vehicle, tractor and equipment	8,00,000	8,00,000	8,00,000
B	Training of farmers	2,10,000	2,10,000	2,10,000
C	Training materials (posters, charts, demonstration material including chemical etc. required for conducting the training)	70,000	70,000	70,000
D	Training of Extension functionaries	45,000	45,000	45,000
E	Training of Rural Youth	75,800	75,800	75,800
F	Frontline demonstration other than Pulses and Oilseeds	1,12,000	1,12,000	1,12,000
G	On-farm testing (on need based, location specific and newly generated information in the major production systems of the year	98,000	98,000	98,000
H	Soil & Water testing lab.	28,000	28,000	28,000
I	Maintenance of building	70,000	70,000	70,000
J	Extension activities/Exhibition, Kisan Mela etc.	35,000	35,000	35,000
K	Contractual Manpower	2,26,200	2,26,200	2,26,200
TOTAL (A)		**1,06,70,000.00**	**1,06,70,000.00**	**1,06,15,000.00**
B. Non-Recurring Contingencies				
1				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**1,06,70,000.00**	**1,06,70,000.00**	**1,06,15,000.00**

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	8,10,757.00	4,93,106.00	17,58,145.85

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

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery **NA**

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 **NA**

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

9.2. PPV & FR Sensitization training Programme **NA**

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	19	75933
Livestock	9	43565
Fishery	0	0
Weather	0	0
Marketing	5	30086
Awareness	6	25316
Training information	4	16910
Other	0	0
Total	**43**	**1,91,810**

9.4. *KVK* Portal and Mobile App **NA**

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

9.5. a. Observation of Swacha Bharat Programme

Date of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	
2. Basic maintenance	-	
3. Sanitation and SBM	6	7000
4. Cleaning and beautification of surrounding areas	10	18000
5. Vermicomposting/	4	12000

Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application	Many Times	7200
7. Swachhta Awareness at local level	6	
8. Swachhta Workshops	-	
9. Swachhta Pledge	-	
10. Display and Banner	15	8800
11. Foster healthy competition	Debate	1500
12. Involvement of print and electronic media	-	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	-	
14. No of Staff members involved in the activities	All	
15. No of VIP/VVIPs involved in the activities	5	750
16. Any other specific activity (in details)	-	
Total		

9.6. Observation of National Science day **NA**

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal (BSF) **NA**

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school: **NA**

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

Give good quality 1-2 photograph(s)

9.9. Details of '*Sankalp Se Siddhi'*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		
28-08-2017	0	1	1	0	0	0	1	500	15	516	Yes	Yes

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	Sewa Divas (17th Sept. 2017)	2, KVK premise/office	93	-	
2.	Samagra Swatch Divas (24th Sept. 2017)	2	90	7	Mukhia & ward member, Joint Director, Agri. PD, ATMA, etc.
3.	Sarwatra Swachha 25th Sept. 2017	Domuhan (Bodhgaya)	Mass	-	
4.	Swachhta of nearby Tourist Sept.	Bodhgaya Temple and nearby areas	Mass	45	Tourists
5.	Public Function/ Award ceremony i) Manav Swasthya & Swachhta ii) Nibandh Pratiyogita	3	32(Female)	-	
6.	Other Misc. activities	1	50	2	Mukhia of village

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	Mahila kisan gosthi (15th Oct. 2017)	15	125	-	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Smt. Jyoti Manjhi	Bodhgaya, Gaya	Agriculture, Mahila SHGs, SRI
2.	Sri Ram Sevak Mahto	Kesapi, Dobhi, Gaya, 9973667258	IFS Model
3.	Sri Shashi Kumar	Surhari, Manpur, Gaya	Bee keeping
4.	Sri Santosh Kumar	Sheikhwara, Bodhgaya, Gaya	Dairy Farming, Vermi-composting, Organic farming
5.	Sri Rameshwar Singh		Agriculture farming and irrigation system
6.	Sri Subodh Kumar	Kharkhura, Delha, Gaya	Dairy Farming
7.	Sri Suryadev Mehta	Punawan, Wazirganj, Gaya, 9430990803	Mushroom & spawn production
8.	Sri Suchit Kumar	Shankar Bigha, Wazirganj, Gaya 9801669262	Mushroom, Spawn production & compost making
9.	Sri Chittaranjan Kumar	Maranchi, Paraiya, Gaya 9934652532	Bee keeping
10.	Smt. Draupadi Devi	Banke bazaar, Gaya, 7301587753	Chairman Women Federation, Farming
11.	Sri Dharmendra Kumar	Sheikha Bigha, Manpur, Gaya 9771275358	Vegetables Production, Dairy
12.	Sri Deepak Kumar	Rajoi Rampur, Paraiya, Gaya	Mushroom production
13.	Sri Birendra Singh	Tetariya, Manpur, Gaya, 9852761930	Seed Production
14.	Sri Kishor Kumar Singh	Shivnagar, Khizersarai, Gaya 9934972113	Agriculture, Horticulture, Dairy
15.	Sri Nagendra Kumar Singh	Birka, Atri, Gaya 7870563957	Dairy, Vermi-compost, Fishery & Horticulture
16.	Sri Bipin Kumar	Diha, Guraru, Gaya, 7352504685	IFS Model
17.	Sri Rajesh Kumar	Rajan, Gurua, Gaya, 947030848	Mushroom, Medicinal plants & polyhouse
18.	Sri Ramdeep Singh	Rani Bigha, Konch, Gaya 9931831323	Agriculture, Dairy farming

9.13. HRD programmes attended by KVK person

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Training of trainers	24.4.17 – 03.05.17 (10 Days)	Dr. S. Chaurasia	(Senior Scientist & Head)	ASCI/ BAU, Sabour
Training of trainers	24.4.17 – 03.05.17 (10 Days)	Dr. Nidhi Sinha	SMS (Home Science)	ASCI/ BAU, Sabour
Training of trainers	24.4.17 – 03.05.17 (10 Days)	Dr. Ashok Kumar	SMS (Extension Education)	ASCI/ BAU, Sabour
Training of trainers	24.4.17 – 03.05.17 (10 Days)	Dr. Anil Kumar Ravi	SMS (Animal Science)	ASCI/ BAU, Sabour
Training on soil testing	21.11.17– 23.11.17 (03 Days)	Dr. Ashok Kumar	SMS (Extension Education)	BAU, Sabour
Training of trainer	27.11.17– 30.11.17 (04 Days)	Dr. Nidhi Sinha	SMS (Home Science)	NIPCCD, Delhi
Training of trainers	22.12.17– 31.12.17 (10 Days)	Dr. Govind Kumar	SMS (Agronomy)	ASCI/ BAU, Sabour
Training of trainers	29.12.17– 31.12.17 (3 Days)	Dr. Ashok Kumar	SMS (Extension Education)	ASCI/ BAU, Sabour
National conference on livelihood and food security-2018	27-28 Jan 2018	Dr. S.B. Singh, Dr. N. Sinha, Dr. A. Kumar	Chief Scientist-cum-Univ. Prof. In-Charge Head SMS (Home Science) SMS (Extension Education)	SAID, Ranchi
National conference 2018	5-7 Jan 2018	Dr. A. Kumar	SMS (Extension Education)	Society of Krishi Vigyan
ISEE National Seminar	28-30 Nov. 2017	Dr. S.B. Singh, Dr. A. Kumar Dr. G. Kumar Dr. A. K. Ravi	Chief Scientist-cum-Univ. Prof. In-Charge Head SMS (Extension Education) SMS (Agronomy) SMS (Ani. Sci.)	Society of Extension Education
International conference on Advances in Agriculture & bio-diversity conservation for sustainable development 2017	27-28 Oct. 2017	Dr. N. Sinha, Dr. A. Kumar	SMS (Home Science) SMS (Extension Education)	ATDS, Gaziabad, U.P.
National Seminar on women empowerment	5-7 Aug. 2017	Dr. S. Chaurasia Dr. N. Sinha	(Senior Scientist & Head) SMS (Home Science)	BAU, Sabour
National conference 2017	11-12 Nov. 2017	Dr. N. Sinha	SMS (Home Science)	PRAGATI, Ranchi
National conference 2018	27-29 Mar. 2018	Dr. N. Sinha, Dr. A. Kumar	SMS (Home Science) SMS (Extension Education)	PRAGATI, Ranchi

9.14. Revenue generation

Sl. No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training Hall	2000.00	
2.	Training Hall	2000.00	
3.	Training Hall	2000.00	
4.	Kisan Ghar	21410.00	BSDM Training
5.	Kisan Ghar	27000.00	EWR Training

9.15. Resource Generation: **NA**

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) **NA**

a) Year:
b) Introduction / General Information:

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

11. Details of TSP **NA**

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

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

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

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

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

d. Location and Beneficiary Details during 2017-18

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

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

Extension activities

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Best farmer's Award	Sri Chittaranjan Kumar	2018	BAU, Sabour		Bee keeping

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

- **Popularization of draught tolerant variety in district**
  In comparison to previous year the area under draught tolerant variety (Sahbhagi) has increased from 275 ha to 15,000 ha. In future it is expected to increase manifold as per agro - climatic situation. The farmers who opted this variety get 42-45 quintal / ha yield in the year 2016-17 under extreme adverse climatic conditions.

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

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

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

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

17. Technologies for Doubling Farmers' Income

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

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

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

19. 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.	Ex-trainees meet	12 Sep. 2017	KVK, Gaya	For financial support to trainees of mushroom production & vermi-composting	67
2.	Programme on agriculture and farmer's welfare special awareness	29 Dec. 2017	KVK, Gaya	To create awareness among farmers about the plan policies and working system of various institutions working in the agriculture and allied sectors	75
3.	workshop on "Agri-Clinic and Agri-Business"	04 Jan. 2018	KVK, Gaya	Creating awareness about functioning and importance of agri-clinic & Agri-business	35
4.	BSDM Training on Mushroom Grower (Small Entrepreneur)	15 Jan 2018 to 22 Feb. 2018	KVK, Gaya	Skill Development	30
5.	Workshop of extension functionaries	20 Feb. 2018	KVK, Gaya	Capacity building of extension functionaries	159
6.	Krishak Paricharcha (Prabhat Khabar)	24 Feb. 2018	KVK, Gaya	Creating awareness about climate change	55
7.	National Conference	17 Mar. 2018	KVK, Gaya	To display of live telecast of the addressing by Hon'ble Prime Minister, Sri Narendra Modi on the occasion of Krishi Unnati Mela & Biennial National Conference of KVKs 2018 from ICAR, New Delhi at all the KVKs	750
8.	Capacity building programme for EWR of Panchayati Raj Institution	26-28 Mar. 2018	KVK, Gaya	Capacity building of EWR	45

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