

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

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
K.V.K., Gandhar, Jehanabad (Bihar)	9431479522		jehanabadkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Bhagalpur, (Sabour) PIN – 848125	0641-2458611	0641-2452604	deebausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. (Mrs.) Shobha Rani	-	9431479522	jehanabadkvk@gmail.com

1.4. Year of sanction of KVK:2006 [Sanction Order F. No. 18027/960AE0I (Pt.)

Date of Sanction 24.03.2006

Year of Inception = 2006

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Sr. Scientist & Head	Dr. (Mrs.) Shobha Rani	Sr. Scientist & Head	Home Science	37000-67000 GP-9000 Basic- 52250	15.05.2012	Permanent	Gen
2	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Animal Science	15600-39100 GP-5400 Basic- 25840	16.04.2012	Permanent	Gen
3	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Agril. Engg.	15600-39100 GP-6000 Basic- 30850	12.11.2007	Permanent	BC
4	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Entomology	15600-39100 GP-5400 Basic- 25840	16.04.2012	Permanent	Gen
5	Subject Matter Specialist	Sri Ajit Kumar Paswan	Subject Matter Specialist	Agronomy	15600-39100 GP-5400 Basic- 25840	19.04.2012	Permanent	SC
6	Subject Matter Specialist	-	-	-		-	-	-
7	Subject Matter Specialist	-	-	-		-	-	-
8	Programme Assistant	Kundan Kumar	Programme Assistant (Lab. Tech)		9300- 34800 GP-4200, Basic- 16630	29.10.2012	Permanent	BC
9	Computer Programmer	Manoj Kumar	Programme Assistant (Comp.)	-	9300- 34800 GP-4200, Basic- 16140	13.05.2013	Permanent	Gen
10	Farm Manager	Ram lakhan Thakur	Farm Manager	-	9300- 34800 GP-4200, Basic- 16630	26.10.2012	Permanent	EBC
11	Assistant	Dhananjay Kumar	Assistant	-	9300- 34800 GP-4200, Basic- 16140	15.04.2013	Permanent	Gen
12	Stenographer	Abhay Kumar	Stenographer	-	5200- 20200, GP-2400, Basic- 14180	17.07.2013	Permanent	Gen
13.	Driver	Ayush Kumar	Driver		5200- 20200, GP-2000, Basic- 8990	11.05.15	Permanent	SC
14.	Driver	Vijay Kumar	Driver	-	5200- 20200, GP-2000, Basic- 9540	18.05.15	Permanent	EBC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	1.00
2.	Under Demonstration Units	0.35
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	0.276
5.	Pond	0.836
6.	Polyhouse	0.06
7.	Green House	0.008
8.	Vermicompost	0.00038
9.	Under Roads	1.46962

Total area should be matched with breakup

1.7. Infrastructure Development:

2018. 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					Yes	500m ²	under use	ICAR
2.	Farmers Hostel						300m ²	Yes	ICAR
3.	Staff Quarters (6)						315m ²	under use	ICAR
4.	Piggery unit								
5.	Fencing					50% Comp.	2650ft ²		ICAR
6.	Rain Water harvesting structure						-		-
7.	Threshing floor						40m ²	Yes	ICAR
8.	Farm godown						70m ²	Yes	ICAR
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								

12.	Mushroom Lab								
13.	Mushroom production unit					Yes	750 m ²	Yes	ICAR
14.	Shade house					Yes	750 m ²	Yes	ICAR
15.	Soil test Lab								
16	Others, (Seed Processing Unit)						60m ²		RAU
17	Veg. Processing Unit					Yes	50 m ²	Yes	ICAR

* 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 as on 31.12.2019	Present status
BOLERO-LX BR IAP 4996	29.06.2006	4,15,436.50 + 12.5% VAT	193286	Auctioned
Motor bike, BR01CR 8038	2015-16	60000	13161	Functional
Motor bike, BR01CR 8039	2015-16	60000	11114	Functional
Bolero BR 25 P 8971	2018-19	674299.82	40985	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
P.P Cap Sealing Machine	2015-16	10000	Working	ICAR
Crown corking machine	2015-16	7000	Working	ICAR
Lug Cap sealer	2015-16	12000	Working	ICAR
Heavy Duty Mixture Grinder	2015-16	12000	Working	ICAR
Pulper	2015-16	30000	Working	ICAR
Fruit mill junior	2015-16	12000	Working	ICAR
Dehydrator Electrical	2015-16	70000	Working	ICAR
Vacuum Filer	2015-16	33000	Working	ICAR
Vegetable Juicer	2015-16	32000	Working	ICAR
Bio-metric system	2013-14	24750	Working	ICAR

Cabinet	2013-14	4750	Working	ICAR
Battery	2013-14	4950	Working	ICAR
b. Farm machinery				
Tractor	22-07-08		Working	Received from DEE, RAU Pusa
Mobile Seed Processing machine		-	Working	Received from Bihar Govt.
Power Reaper	2013-14	100000	Working	ICAR
Power Reaper	2011-12	86700	Working	NICRA
c. AV Aids				
LCD Projector & Accessories	2010-11	47736.00	Good	ICAR
Multimedia Projector	2010-11	33750.00	Good	ICAR
Digital Copier	2010-11	63898.00	Need Repair	ICAR
Stabliser	2010-11	7800.00	Need Repair	ICAR
Desktop Computer with monitor (NICRA)	2010-11	43434.00	Good	ICAR
HP Laser Printer (NICRA)	2010-11	5938.00	Good	ICAR
UPS System (NICRA)	2010-11	2000.00	Good	ICAR
P/A System	2010-11	25451.00	Good	ICAR
HD 8000HD	2015-16	222823.10	Good	ICAR
MPT Camera	2015-16		Good	ICAR
MIC	2015-16		Good	ICAR
Panasonic 47 LED	2015-16	69565.00	Good	ICAR
Dell Monitor	2015-16	62839.00	Good	ICAR
CPU	2015-16		Good	ICAR
8/16 Ethernet switch	2015-16	3194.00	Good	ICAR
Wall Mount Rack	2015-16	4259.00	Good	ICAR
Patchcord	2015-16	426.00	Good	ICAR
Patchcord (Digni Link)	2015-16	213.0	Good	ICAR
UPS 5KVA Orian	2015-16		Good	ICAR
Battery	2015-16		Good	ICAR
Rack	2015-16		Good	ICAR
Microtake UPS	2015-16	2975.00	Burned by electric Short Circuit in PC chamber.	ICAR
Video conferencing unit	2015-16	-	Working	Provided by BAU, Sabour
Mridaprikshak Soil test lab.	2015-16	75000	Working	NICRA
AC + Stablizer	2015-16	43100	Working	ICAR
RO water purifier+ Accesories	2015-16	20000	Working	ICAR
Computer System (Monitor, CPU, UPS, Laptop)	2015-16	82583	Working	Provided by BAU, Sabour

CCTV camer& DVR	2015-16	21000	Working	Provided by BAU, Sabour
LED flood light	2015-16	6500	Working	Provided by BAU, Sabour
Sound System	2015-16	30165	Working	Provided by BAU, Sabour
Video Camera (Sony)	2015-16	82871	Working	Provided by BAU, Sabour
Projector with Tripod Projector Screen (Sony)	2015-16	52000	Working	Provided by BAU, Sabour
Xerox Photo Copier cum printer	2016-17	57142.86	Working	Provided by BAU, Sabour
Xerox Drum Catrige	2016-17	20296.19	Working	Provided by BAU, Sabour
Xerox Toner Catrige	2016-17	6308.58	Working	Provided by BAU, Sabour
Trolly Photo Copier	2016-17	5502.18	Working	Provided by BAU, Sabour
Stablizer for photocopier	2016-17	4585.15	Working	Provided by BAU, Sabour
Computer Table	2016-17	3450	Working	ICAR
Water Cooler+ Euro Aqua	2016-17	59500	Working	Provided by BAU, Sabour
LED TV 32(Panasonic)	2016-17	27200	Working	Provided by BAU, Sabour
Still Photographic camera (Canon)	2016-17	29600	Working	Provided by BAU, Sabour
External hard Drive (Lenovo) 1 Tb	2016-17	5600	Working	Provided by BAU, Sabour
Vacuum Cleaner	2016-17	9950	Working	Provided by BAU, Sabour
Fire Extinguisher	2016-17	9649	Working	Provided by BAU, Sabour
Bolero	2018-19	674299.82	Working	Provided by BAU, Sabour
Bolero accessories	2018-19	25800.00	Working	Provided by BAU, Sabour
Bio metric Nitegen E (BSDM)	2018-19	5000.00	Working	Provided by BAU, Sabour
UPS	2018-19	2450	Working	Provided by BAU, Sabour
Soil testing kit including reagent	2018-19	85008.00	Working	Provided by BAU, Sabour
Fire extinguisher 6 kg	2018-19	2950.00	Working	Provided by BAU, Sabour
Gumboot for sprayer	2018-19	1514	Working	BSDM training
Delivery set (rocker) sprayer	2018-19	11536.00	Working	BSDM training
Pesticides & fertilizer equipments (25)	2018-19	834.00	Working	BSDM training
Steel almirah	2018-19	5900.00	Working	ICAR
Veterinary kit	2018-19	6812.00	Working	ICAR
Supreme turbo chair (90)	2018-19	82800.00	Working	ICAR
Visitor chair (Silk back cusion)	2018-19	24000.00	Working	ICAR
Soil Health card board (Iron)	2018-19	10920.00	Working	ICAR
Iron grill gate	2018-19	7700.00	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zerotill seed cum fert. Drill	2011-12	57750	working	NICRA, RKVY
Rotavator	2011-12	99750	working	NICRA, RKVY
M.B Plough	2011-12	20160	working	NICRA
Disc Harrow	2011-12	38325	working	NICRA
Leveller	2011-12	13125	working	NICRA
Cultivator	2011-12	25725	working	RKVY
Multicrop thresher	2011-12		working	RKVY
Conoweeder	2011-12	1850	working	ICAR
winnower	2011-12	2850	working	ICAR
M.B Plough	2006-07		working	Received from DEE, RAU Pusa
Disc Harrow	2006-07		working	
Leveller	2006-07		working	
Brush cutter	2015-16	28300	Working	ICAR
Paddy transplanter	2016-17	190000	Working	NICRA
Raised bed planter	2016-17	70000	Working	NICRA
Direct seeded rice machine	2016-17	65000	Working	NICRA
Bund Farma Disc model	2016-17	18780	Working	NICRA
Portable water lifting set	2018-19	20500	Working	NICRA
Happy Seeder	2019-20		Working	BAU, Sabour

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	29.08.2019	62	OFT should be conducted on major crops of the district.	OFT related to Wheat, Paddy, Gram crops are being carried out	
			OFT on Weed management should be conducted.	It has been included in CFLD pulses	
			Front Line Demonstration should be conducted on proven technology.	Being followed	
			In On Farm Trail on influence of nozzle parameter weed count should be replaced with weed weight.	Parameter weed count replaced with weed weight	
			Number of soil sampling should be increased.	In process	
			OFT should be designed on effect of climate change on repeat breeding of cattle.	OFT title "Mitigation of heat stress impact on buffalo reproduction and milk production during summer season" is being conducted	
			Demonstration on happy seeder should be conducted.	Demonstration on wheat sowing by Happy Seeder has been conducted in Rabi 2019-20	
			OFT (Ento) should be conducted on cluster basis.	OFT (Ento) conducted on cluster basis in village Dehuni, Ghosi and Dharampur, Kako DURING Rabi 2019-20.	
			Short duration fruit plants should be promoted in NICRA village.	Lemon, Jackfruit, Awanla has been demonstrated	
			JEEVIKA group members should be trained to update agricultural technologies related knowledge.	Members of JEEVIKA have been trained by KVK	
			Training and technical support should be provided to farmer producer organisation.	Members of two Farmers Producer Organization have been trained and technical advice	
			Keeping environmental safety in mind, training should be conducted on Crop residue management.	Training has been organized on use of paddy crop residue for making decorative items and happy seeders, Zero tillage wheat sowing in residual moisture in presence of paddy straw	
			Technical support should be provided to the district line department	Being provided in rabi & kharif abhiyan	
			KVK training calender and kisan chaupal calender action Plan should send to line department	Has been circulated	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2019-20)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy – Wheat/pulses- Moong (paddy- wheat/pulses-Moong). Also cultivation of oil seeds (Rai, Mustered), Potato, vegetables
2	Agro-climatic Zone	NARP Zone – III B: The area is alluvial plains with general slope towards North to East. The soils of the zones are classified as old alluvial. The agro climatic condition of the district offers excellent scope for plantation, medicinal and horticultural crops.
3	Agro ecological situation	Humid-hot climate: Rich in both ground and surface water resources and thus it is suitable for agriculture and fishery development
4	Soil type	Old alluvial-Clay: Hard in texture and low in organic matter contents Old alluvial – Loamy: Comparatively brittle and high in organic matter contents
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice- 26.79, Wheat-26.39.0, Chickpea-9.57, Lentil-8.70, Oilseeds-8.54Qt./ha
6	Mean yearly temperature, rainfall, humidity of the district	Mean temp. max=32.84 ⁰ min=15.62 ⁰ , Humidity Max=99% Min=26.66%, Mean Annual rainfall=1051mm
7	Production of major livestock products like milk, egg, meat etc.	Cattle average milk productivity- 9000 L/ day Population: Poultry (Desi)- 34.71 lakh, Improved poultry- 9.62 lakh, duck- 5200, Swine- 16970, goat- 72771, cow- 80090, buffalo- 1.28 lakh

Note: Please give recent data only

2.b. Details of operational area / villages (2019-20)

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.	Jehanabad	Modanganj	Jaikishunbigha	Paddy, wheat, pulses	False smut, stem borer in paddy, Drought in kharif, Supplement of Mineral Mixture with fodder seed, turmeric, Use of proper Spray nozzle in paddy	Integrated pest and disease management, Nutritional management, improved implement
2.		Kako	Keshopur	Paddy, wheat, pulses, vegetable, oilseed	Water and weed management, insect-pest management in different crops, improved varieties of different crops including vegetables, spice, FLD on paddy variety, use of proper Spray nozzle in paddy	Water and weed management, Varietal evaluation, improved implement
3.		Modanganj	Rampur charui	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, water management, FLD on DSR, use of proper Spray nozzle in paddy	Integrated pest and disease management, livestock management, RCT, Improved implement
4.		Kako	Safepur	Paddy, wheat, vegetable	False smut, stem borer, red spider mite in brinjal& okra, YVMV, Fruit & shoot borer in okra, spice turmeric, CFLD mustard, Onion thrips, use of proper Spray nozzle in paddy	Integrated pest and disease management, improved implement
5.		Kako	Khalispur	Paddy, wheat, pulses, flower	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, spice var. turmeric	Integrated pest and disease management, Weed management
6.		Ghosi	Shahpur	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, RCT, FLD on DSR	Integrated pest and disease management Weed management, water management, RCT

7.		Modangan j	Sakrorha	Paddy, wheat, pulses, oilseed, livestock	Natural Resource Management, Water management, False smut, stem borer, gandhi bug in paddy, pink borer and termite in wheat, Supplement of mineral mineral mixture & fodder seed, infertility & repeat breeding in cattle, PPR in goat, contagious disease of poultry, Nutritional deficiency in cattle, improved poultry breed, goat breed distribution, Onion thrips, heat stress in Buffaloes	Water conservation, IPM, livestock management, Farm implement, IPM, Dairy
8		Modangan j	Saistabad	Paddy, wheat, pulses, oilseed	Wheat sowing in presence of paddy straw	Improved farm implement for crop residue management (Use of Happy seeder)
9.		Ghosi	Chhapanna	Paddy, wheat, pulses, oilseed	Wheat sowing in residual moisture , use of ZT, seed drill, CFLD on mustard	Improved farm implement for resource conservation
10		Ghosi	Tulsiapur	Paddy, wheat, pulses, oilseed	Wheat sowing in residual moisture , use of ZT	Improved farm implement for resource conservation(by zero tillage)
11		Modangan j	Waina	Paddy, wheat, pulses, oilseed	Use of zero tillage for wheat sowing, CFLD on mustard	Improved farm implement for resource conservation
12		Hulasganj	Khudauri	Paddy, wheat, pulses, oilseed	Use of happy seeder for wheat sowing in presence of paddy residue	Improved farm implement for crop residue management
13						
14		Modangan j	Anatpur	Paddy, wheat, pulses, oilseed	Onion thrips, INM in Chickpea	IPM, INM
15		Modangan j	Gandhar	Paddy, wheat, pulses, oilseed	Onion thrips, FLD on paddy variety	IPM, Varietal evaluation
16		Kako	Khalisapur	Paddy, wheat, pulses, oilseed	Onion thrips	IPM
17		Ghosi	Dehuni	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea	IPM
18		Modangan j	Mustafapur	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea	IPM
19		Kako	Dharampur	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea, INM in Chickpea, Use of Adimon drug in Poultry bird	IPM, INM, Poultry management
20		Kako	Bhelawar	Paddy, wheat, pulses, oilseed, livestock	Use of Adimon drug in Poultry bird	Poultry management

21		Ghosi	Sripur	Paddy, wheat, pulses, oilseed, livestock	Use of Adimon drug in Poultry bird	Poultry management
22		Modangan j	Dhobari	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt
23		Kako	Ghatkan	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt
24		Modangan j	Mainamath	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt
25		Ghosi	Maulabigha	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes, use of proper Spray nozzle in paddy	Dairy disease mangt, improved implement
26		Modangan j	Bandhuganj	Paddy, wheat, pulses, oilseed	INM in Chickpea, BPH, False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, RCT in lentil	INM, Integrated pest and disease management, RCT
27		Modangan j	Milkipar	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
28		Modangan j	Arhit	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
29		Modangan j	Manibigha	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
30		Ghosi	Baram Sarai	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
31		Ghosi	Bhadseri	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
32		Hulasganj	Tirra	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
33		Kako	Nonhi	Paddy, wheat, pulses, oilseed	FLD on paddy variety, heat stress in Buffaloes	Varietal evaluation, Dairy disease mangt

34		Ratni Faridpur	sesamba	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, PPR in goat, infertility in cattle	Integrated pest and disease management, Nutritional management in cattle
35		Modangan j	Dhamapur	Paddy, wheat, pulses	CFLD on chickpea	Resource conservation
36		Makhdum pur	Dharaut	Paddy, wheat, pulses, oilseed, poultry	Insect-pest management in different crops, improved varieties of different crops	Poultry management, vermi compost
37		Kako	Afjalpur	Paddy, wheat, pulses	CFLD ,Lentil variety, training	Pulse cultivation
38		Modangan j	Mustafapur	Paddy, wheat, pulses, oilseed	CFLD on pulses and oilseed, IPM in vegetable	Pulse cultivation, IPM
39		Jehanabad	Kumbhwa	Paddy, wheat, pulses, oilseed	CFLD on pulses and oilseed, Mushroom	Pulse cultivation, Musroom production
40		Modangan j	Mananpur	Paddy, wheat, pulses	CFLD on oilseed, pulses, DSR	Pulse, oilseed cultivation, RCT
41		Jehanabad	Muther	Paddy, wheat, pulses	Goat farming, RCT	RCT, Goat Farming
42		Modangan j	Rukanpura	Paddy, wheat, pulses, oilseed, spice, Livestock	Dairy management, Spices (Turmeric cultivation)	Dairy management, Spices cultivation

2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Jaikishunbigha	Modanganj	CFLD on lentil, chickpea, Vermi compost production, Technology demonstration for additional income (Livestock, Kitchen Gardening), Spice cultivation (Coriander), Drought tolerant paddy (Ardhahal, S. Surbhit), Paddy cultivation by SRI method, DSR paddy, Food preservation, Short duration potato, planting materials of fruits. Participation in Kharif& Rabi KisanSammelan, soil day, exposure visit, Rabi kisanmela, kharifkisanmela,backyard poultry, participatory seed production, sankalp se sidhiprogramme, exposure visit at ICAR-RCER, Patna,BLOTP organized, OFT on Bhindi cutter etc.
Keshopur	Kako	Water and weed management, insect-pest management in different crops, improved varieties of different crops including vegetables, spice, drought tolerant paddy variety Sahbhagi, Direct sowing of paddy by paddy seeder, Mulching in okra, training, Kisan club formation and running, participation in BAU KisanMela and exhibition, soil day, participation in horticultural exhibition, Participation in Rabi Mela

		2019 at KVK campus, Swachha Bharat Mission programme, demo on oilseed and pulses, exposure visit, IPM in vegetable, Kitchen Gardening, participation in Agrotechprogramme, BLOTP programme, & Live telecast of Hon'ble PM addressing
Rampur charui	Modanganj	Vaccination programme, CFLD on pulses, infertility camp, OFT, FLD (Mineral Mixture, fodder grass), training, Animal Health camp, Management of milk collection. Participation in PMFBY, Kharif& Rabi KisanMela, soil day, Rabi kisanmela, kharifkisanmela, FLD on DSR, CFLD on oilseed and pulses, BLOTP organized etc.
Safepur	Kako	Promoted vegetable cultivation by training, conducting OFT on disease and pest management in wheat,paddy, Technology demonstration for extra income generation via Kitchen Gardening, Rural Youth training on Bee keeping, Kisan club, participation in BAU KisanMela,Technology demonstration to promote pulse production , Exposure visit of farmers, Kharif& Rabi KisanSammelan, soil day , Swachha Bharat Mission programme, CFLD on oilseed and pulses, participation in Agro tech Bihar, Kishanmela
Khalispur	Kako	CFLD on lentil var. HUL-57, fieldpea var. Prakash and mustard var. R suflam, FLD on late sown wheat var. HI-1563, turmeric var. Rajendra Sonia, paddy var. HI-1563, paddy var. sahbhagi, trained farmers for vermicompost production, INM in different crops, participation in kharif, rabikisansammelan, soil day, swachhbharatabhiyan, CFLD on oilseed & pulses and kisan club
Baramsarai	Ghosi	DFI Programme
Sharma	Hulasganj	DFI Programme

2.1 Priority thrust areas

S. No	Thrust area
1.	Quality seed production
2.	Crop diversification.
3.	Integrated Disease Management.
4.	Promotion of agri-enterprises i.e. Beekeeping, Vermi Compost Production, Plant Health Clinic & Mushroom Production for self-employment and income generation among rural youths
5.	Promotion of Resource conservation Technologies.
6.	Gender mainstreaming through SHG's.
7.	Integrated Pest Management.
8.	Promotion of Biofertilizers application & organic farming system.
9.	Skill up gradation in livestock management for income generation.
10.	Nutritional Management in cattle.
11.	Water management with respect to climate change.

3. TECHNICAL ACHIEVEMENTS

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

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
Crop Paddy-140 Wheat-85 Veg. pea- 3.0	Crop Paddy-146.92 Wheat-89.06 Veg. pea- 3.00	Crop Cauliflower- 0.04 Tomato- 0.127	Crop Cauliflower- 0.04 Tomato- 0.05
Total- 223.0	Total- 238.98	Total- 0.167	Total- 0.09

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	200	217

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	3	-	-	NAAS score: 4.95	-	-	-
Seminar/conference/ symposia papers	8	-	-		-	-	-
Bulletins	1	-	-		-	-	-
News letter	3	-	-		-	-	-
Popular Articles	11	-	-		-	-	-
Extension Pamphlets/ literature		-	-		-	-	-

Technical reports	MPR (English), MPR (Hindi), QPR (April-June 2019, July-Sept. 2019, Oct.- Dec. 2019) Annual Progress Report (2018-19) of KVK • Annual Action Plan (2019-20) of KVK • Annual Report (2018-19) of NICRA • Annual Action Plan (2019-20) of NICRA • Extension Council Report (April-Sept. 2019, Oct. 2018-March 2019) NICRA QPR (April-June 2019, July-Sept. 2019, Oct.- Dec. 2019, Jan.- March 2019))						
Electronic Publication (CD/DVD etc)							
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	To access the suitable resource conservation technology for paddy establishment in south Bihar
2.	Problem diagnosed	High labour intensive technology & and high cost of production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - Farmer Practice (Transplanting 30days old seedling) TO ₂ –Direct seeding of Paddy in stale bed condition TO ₃ –Direct seeding of Paddy in zero till condition
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Lentil/wheat , Thematic Area-RCT
6.	Performance of the Technology with performance indicators	Economic Indicator: Yield attributes, Net return, C: B ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: RCT

Problem definition: Scarcity of Labour and less mechanization

Technology assessed:

TO₁ - Farmer Practice (Transplanting 30days old seedling)

TO₂ –Direct seeding of Paddy in stale bed condition

TO₃ –Direct seeding of Paddy in zero till condition

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 - Farmer Practice (Transplanting 30days old seedling)	7									
TO ₂ –Direct seeding of Paddy in stale bed condition	7									
TO ₃ –Direct seeding of Paddy in zero till condition	7									

Results:

OFT-2

1.	Title of On farm Trial	Assessment of integrated nutrient management in chickpea
2.	Problem diagnosed	Low yield of chickpea due to imbalanced/indiscriminate use of nutrients

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1: Farmer Practice – NPK@18:46:0 kg/ha T2: PSB @ 20g/kg seed as seed inoculation +NPK@20:37:20 Kg/ha T3: Rhizobium @20g/kg as seed inoculation seed + NPK @20:46:20 Kg/ha
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Gram, Thematic area-INM
6.	Performance of the Technology with performance indicators	Yield Attributes, Economic Indicator:Net return, C: B ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: INM

Problem definition: Lack of reach of technological knowledge to the farmers

Technology assessed:

T1: Farmer Practice – NPK@18:46:0 kg/ha

T2: PSB @ 20g/kg seed as seed inoculation +NPK@20:37:20 Kg/ha

T3: Rhizobium @20g/kg as seed inoculation seed + NPK @20:46:20 Kg/ha

Table:

Technology option	No	Yield component	Disease/	Yield	Cost	of	Gross	Net return	BC
-------------------	----	-----------------	----------	-------	------	----	-------	------------	----

	. of trials	No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)	insect pest incidence (%)	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	(Rs./ha)	ratio
T1: Farmer Practice – NPK@18:46:0 kg/ha	8									
T2: PSB @ 20g/kg seed as seed inoculation +NPK@20:37:20 Kg/ha	8									
T3: Rhizobium @20g/kg as seed inoculation seed + NPK @20:46:20 Kg/ha	8									

Results: crop standing

OFT-3: Flowering Stage

1.	Title of On farm Trial	Ecofriendly Management of pod borer, <i>H. armigerain</i> chickpea
2.	Problem diagnosed	<i>Helicoverpa armigera</i> (Hubner) is a major and most serious one threat in chickpea production. It can damage an average 30 to 40 per cent pod. In favorable condition pod damage goes 90-95 per cent. A single caterpillar of this pest can damage 25-40 pods
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology Option- I (TO-I)Farmers Practice (FP): Chalorpyrifos 20 EC @ 1500ml/ha Technology option-II (TO-II):Erect Bird perches @40/ha+ Pheromone trap @20/ha Technology option-III (TO-III):Two spray of azadirachtin 3000ppm @ 10 ml/ltr

		water at Pre flowering and Pod formation
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	NCIPM, New Delhi
5.	Production system and thematic area	Rice-Gram, Thematic area-IPM
6.	Performance of the Technology with performance indicators	% infestation and yield attributes Economic Indicator: Net return, C: B ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: In favorable condition pod damage goes 90-95 per cent.

Technology assessed:

Technology Option- I (TO-I)Farmers Practice (FP): Chalorpyrifos 20 EC @ 1500ml/ha

Technology option-II (TO-II):Erect Bird perches @40/ha+ Pheromone trap @20/ha

Technology option-III (TO-III):Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation

Table:

Technology option	No. of trials	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Technology Option- I (TO-	8						

I)Farmers Practice (FP): Chlorpyrifos 20 EC @ 1500ml/ha							
Technology option-II (TO-II):Erect Bird perches @40/ha+ Pheromone trap @20/ha	8						
Technology option-III (TO- III):Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation	8						

Results:

OFT-4: Just Transplanted

1	Title of On farm Trial	Validation of IPM technology for onion thrips at Jehanabad
2	Problem diagnosed	<i>Thrips tabaci</i> causes significant yield loss and ability to transmit plant pathogens, and development of resistance to insecticides.
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Existing Practice: Farmer practices (Acephate 20 SP @ 3 gm/ltr water) Technical Option 02 :Spray of Spinosad 45SC @1 ml/ 3 ltr water at 50DAT followed by spray of Fipronil 5 SC @ 1ml/2 ltr water at 65 DAS Technical Option 03: Two spray of Azdiractoractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with Blue sticky trap @ 50/ha
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NCIPM, New Delhi
5	Production system and thematic area	Rice-onion, Thematic area- IPM

6 .	Performance of the Technology with performance indicators	% infestation and yield attributes Economic Indicator: Net return, C: B ratio
7 .	Final recommendation for micro level situation	
8 .	Constraints identified and feedback for research	
9 .	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Onion thrips cause yield losses upto the 50%

Technology assessed:

Technical Option 01 : Farmer practices (Acephate 20 SP @ 3 gm/ltr water)

Technical Option 02 :Spray of Spinosad 45SC @1 ml/ 3 ltr water at 50DAT followed by spray of Fipronil 5 SC @ 1ml/2 ltr water at 65 DAS

Technical Option 03: Two spray of Azdiractoractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with Blue sticky trap @ 50/ha

Table:

[illegible]

(Acephate 20 SP @ 3 gm/ltr water)										
Technical Option 02 :Spray of Spinosad 45SC @1 ml/ 3 ltr water at 50DAT followed by spray of Fipronil 5 SC @ 1ml/2 ltr water at 65 DAS	8									
Technical Option 03: Two spray of Azdiractoractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with Blue sticky trap @ 50/ha	8									

Results:

OFT-5 Agril. Engg. (Kharif 2019)

1.	Title of On farm Trial	Influence of nozzle type and spray volume on bispyribake sodium efficacy in rice weed ecosystem
2.	Problem diagnosed	Farmers uses very less volume of water with cone nozzle resulting weedicide not reaches to the target in proper amount
3.	Details of technologies selected for assessment /refinement (Mention either Assessed or Refined)	Existing Practice: Spraying recommended dose of bispyribake sodium with cone type nozzle with Knapsack sprayer using spray volume of 200 l/ha TO-I: Spraying recommended dose of bispyribake sodium with flat fan nozzle with Knapsack sprayer using spray volume of 400 l/ha, TO-II: Spraying recommended dose of bispyribake sodium with food jet nozzle with Knapsack sprayer using spray volume of 600 l/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIPFT, Gurgaon
5.	Production system and thematic area	Rice-Wheat/pulse, Thematic Area- Improved farm implement
6.	Performance of the Technology with performance indicators	Weed Wt./sq.m, yield, Net return, B: C ratio
7.	Final recommendation for micro level situation	Spraying recommended dose of bispyribake sodium with flat fan nozzle with Knapsack sprayer using spray volume of 400 l/ha performed best
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers actively participated in on farm trial

Thematic area: Improved farm implement

Problem definition: weedicide not reaches to the target in proper amount if cone type spray nozzle used

Technology assessed: TO-I: Spraying recommended dose of bispyribake sodium with flat fan nozzle with Knapsack sprayer using spray volume of 400 l/ha, TO-II: Spraying recommended dose of bispyribake sodium with food jet nozzle with Knapsack sprayer using spray volume of 600 l/ha

Existing Practice: Spraying recommended dose of bispyribake sodium with cone type nozzle with Knapsack sprayer using spray volume of 200 l/ha

Table:

Technology option	No. of trials	Performance Parameters	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weed weight (gm/sq. m)					
To-I: Spraying recommended dose of bispyribake sodium with cone type nozzle with Knapsack sprayer using spray volume of 200 l/ha (Farmer's Practice)	7	54	40.6	33000	73689	40689	2.23
TO-II: Spraying recommended dose of bispyribake sodium with flat fan nozzle with Knapsack sprayer using spray volume of 400 l/ha	7	12	43.4	33000	78771	45771	2.39
TO-III: Spraying recommended dose of bispyribake sodium with food jet nozzle with Knapsack sprayer using spray volume of 600 l/ha	7	15	43.0	33000	78045	45045	2.36

Results: Results revealed that the higher yield of paddy (43.4 q/ha) and 2.39 B:C ratio with less weed incidence were recorded in plots of TO-II followed by TO-III plots with 43.0 q/ha yield and B:C ratio 2.36 as compared to 40.6 q/ha yield with B:C ratio 2.23 in Farmer's practice plot.

OFT-6 Agril. Engg. (Rabi 2019-20)

1	Title of On farm Trial	Assessment of different implements for seed bed preparation and wheat sowing
---	------------------------	--

2 .	Problem diagnosed	Poor quality of seed bed using cultivator and sowing by broadcasting of seed. This practice takes more time, consumes more fuel and increases cost of cultivation.
3 .	Details of technologies selected for assessment /refinement (Mention either Assessed or Refined)	Technologies for assessment TO-I: Ploughing once by rotavator and sowing by seed drill TO-II: Ploughing once by cultivator and one pass of rotavator then sowing by seed drill Existing Practice: Ploughing three- four times by cultivator followed by planking and seed broadcasting (Farmers Practice)
4 .	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIAE, Bhopal
5 .	Production system and thematic area	Rice- Wheat/pulse, Thematic Area- Conservation tillage
6 .	Performance of the Technology with performance indicators	cost of cultivation, yield, Net Return, B: C ratio
7 .	Final recommendation for micro level situation	
8 .	Constraints identified and feedback for research	
9 .	Process of farmers participation and their reaction	Farmers actively participating in on farm trial

Thematic area: Conservation tillage

Problem definition: Field preparation is not upto mark if only cultivator used and sowing by broadcasting causes to put the seed either on surface or in much below depth

Technology assessed:

Farmers Practice (FP): Ploughing three- four times by cultivator followed by planking and seed broadcasting (Farmers Practice)

Technology option-I (TO-I): Ploughing once by rotavator and sowing by seed drill

Technology option-II (TO-II): Ploughing once by cultivator and one pass of rotavator then sowing by seed drill

Table:

Technology option	No.	Performance Parameters	Yield	Cost	of	Gross	Net return	BC
-------------------	-----	------------------------	-------	------	----	-------	------------	----

	of trials	Time taken in ploughing (hr/ha)	Time Saving (hr/ha)	Fuel consumed (l/ha)	Fuel saving (l/ha)	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	(Rs./ha)	ratio
TO-I: Ploughing three- four times by cultivator followed by planking and seed broadcasting (Farmers Practice)	7	24.0	-	84.0	-					
TO-II: Ploughing once by rotavator and sowing by seed drill	7	10.5	13.5	38.75	45.25					
TO-III:Ploughing once by cultivator and one pass of rotavator then sowing by seed drill	7	15.0	9.0	54.50	29.5					

Results: Crop standing

OFT-7

1.	Title of On farm Trial	Mitigation of heat stress impact on buffalo reproduction and milk production during summer season
2.	Problem diagnosed	Heat stress alleviation on physiological response, metabolic hormone profiles, milk production and composition in lactating Buffaloes during hot-dry (HD) and hot-humid (HH) seasons.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or	Farmers Practice (FP): Fogger/mist fan Ceiling fans /wallowing / washing with water /Shed covered with curtains. Technology option-I : Supplemented with Niacin (60 g/buffalo/day), yeast

	Refined)	(10 g/ buffalo/day) and mustard oil (150 g/buffalo/day) for 30 days Technology option-II : Chelated mineral Mixture (50gm/day) for 30days Technology option-III: Ovsynch treatment protocol (D0: Buserelin 10 µg, D7 : D9 PGF2α500µg; D9: Buserelin 10 µg, and D10: FTAI)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	<i>Central Institute for Research on Buffaloes, Regional Station- Bir Dosanjh, Nabha, Punjab.</i>
5.	Production system and thematic area	Calf production and Milk production, Thematic area-Nutritional management.
6.	Performance of the Technology with performance indicators	Effect of Climate (THI) Oestrus interval, Conception rate and milk production, B:C ratio
7.	Final recommendation for micro level situation	Balance feeding along with mineral mixture.
8.	Constraints identified and feedback for research	Mineral deficiency and hormonal imbalance.
9.	Process of farmers participation and their reaction	On farmers field and well

Thematic area: Nutritional management in dairy.

Problem definition: Infertility due to heat stress and imbalance nutritional feeding of Buffaloes.

Technology assessed: Supplementation of minerals and hormonal are improve oestrus cycle & normal reproductive system in Buffaloes.

Farmers Practice (FP): Fogger/mist fan Ceiling fans /wallowing / washing with water /Shed covered with curtains.

Technology option-I : Supplemented with Niacin (60 g/buffalo/day), yeast(10 g/ buffalo/day) and mustard oil (150 g/buffalo/day) for 30 days

Technology option-II:Chelated mineral Mixture (50gm/day) for 30 days

Technology option-III: Ovsynch treatment protocol (D0: Buserelin 10 µg, D7 : D9 PGF2α 500µg; D9: Buserelin 10 µg, and D10: FTAI)

Table:

Technology option		Yield component Pre & Post treatments	Gross	Gross	Net	
-------------------	--	---------------------------------------	-------	-------	-----	--

	No. of trials	Pre treatment	Post treatment	Occurrence of heat period	Conception rate (%)	Average Milk production	Cost of animals feeding /medicine /Mineral mixture (Rs.)	return (Rs @:calf/ Milk(30/ lit)	return (Rs.)	B :C ratio
		Irregular heat and Anoestrus	Oestrus occurrence	hours		(Lit)				
Farmer practice: Fogger/mist fan Ceiling fans /wallowing / washing with water /Shed covered with curtains.	10	Anoestrus	3	24-26	+ve(2)	Continue				
T.O.-I. Supplemented with Niacin (60 g/buffalo/day), yeast (10 g/ buffalo/day) and mustard oil (150 g/buffalo /day) for 30 days.	10	Anoestrus	5	24-27	+ve(3)	Continue				
T.O.-II. Cheated Mineral mixture (Dose: 50gl/day for 30 days ,orally	10	Anoestrus	7	24-28	+ve(4)	Continue				
T.O.-III: Ovsynch treatment protocol (D0 : Buserelin 10 µg, D7 : PGF2α 500µg; D9 : Buserelin 10 µg, and D10 : FTAI).	10	Anoestrus	8	24-25	+ve(5)	Continue				

Results:

OFT-8

1.	Title of On farm Trial	Validation of Ovsynch and Heat synch protocol in post partum anoestrus cows
2.	Problem diagnosed	Anoestrus in dairy cattle occurs due to nutritional, hormonal imbalance, infection and environmental stress agents also.

3.	Details of technologies selected for assessment/refinement(Mention either Assessed or Refined)	Supplementation of minerals and hormonal drugs are improve normal reproductive system and milk production in cattle
4.	Source of Technology(ICAR/AICRP/SAU/Other, please specify).	<i>Pursley,J.R.,Mee,M.O.,Wiltbank,M.C.,1995.Synchronization of ovulationPGF2 alpha and GnRH .Theriogenology 44:915-923.Stevenson ,J.S.,Tffany,S., Lucky M.C.,2004. Use of Estradiol cypionate as a substitute for GnRHin dairy cattle .J.Dairy Sci. 87:3298-3305.</i>
5.	Production system and thematic area	Calf production, Milk production & Disease management
6.	Performance of the Technology with performance indicators	Oestrus symptom ,Number of animal show heat ,& conception rate
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Mineral deficiency and hormonal imbalance.
9.	Process of farmers participation and their reaction	On farmers field and well

Thematic area: nutritional management

Problem definition: Infertility due to hormonal imbalance of cows.

Technology assessed: Supplementation of minerals and hormonal are improve oestrus cycle & normal reproductive system in cows.

Result table:

Technology option	No. of trials	Yield component Pre & Post treatments					Gross Cost of animals feeding /medicine /Mineral mixture (Rs.)	Gross return (Rs @:calf/ Milk(30/lit)	Net return (Rs.)	B :C ratio
		Pre treatment	Post treatment	Occurrence of heat period	Conception rate (%)	Average Milk production				
		Post partum anoestrus	Oestrus occurrence	hours		(Lit)				

Farmer practice : Dewormer (Fenbendazole 3g) + Phosphorus 80 mg i/m + fed multi-mineral bolus @ 1 bolus orally for 7 days	10	Post partum anoestrus	4	18-20	+ve(2)	Continue				
TO I:D0: GnRH(Buserelin) 10 µg, D7 : D9(PGF2α) 500 µg; D9: GnRH(Buserelin)10 µg, and D10: Fixed time AI. (Ovsynch)	10	Post partum anoestrus	8	18-20	+ve(6)	Continue				
TO II:D0: GnRH(Buserelin)10 µg; D7:(PGF2α) 500 µg; D8 : Oestradiol 1 mg; D10: Fixed timeAI.(Heatsynch)	10	Post partum anoestrus	8	18-20	+ve(5)	Continue				

Results:

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration										Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Paddy	RCT	Direct Sowing of Paddy var. R. Sweta	4.0	4.0	0	0	0	0	10	0	10	0	10		
2.	Paddy	Improved Variety	Improved variety given by IRRI, Cuttack i.e. CR Dhan 201, CR Dhan- 300, CR Dhan 307, CR 3516 (IET-27112), CR 3561 (IET-26961), CR	2.55	2.55	0	0	0	0	13		13	0	13		

			3549 (IET-24347)														
3.																	

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 ₂ O ₅	K ₂ O					
Paddy	Kharif	Irrigated									
Paddy	Kharif	Irrigated									

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	RCT	Direct Sowing of Paddy	10	4.0													
Paddy	Improved Variety	Improved variety given by IRRI, Cuttak i.e. CR Dhan 201, CR Dhan 307, CR 3516 (IET-27112), CR 3561 (IET-26961), CR 3549 (IET-24347)	13	2.55													
	Total		23	6.55													

Livestock

[illegible]

* 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

[illegible]

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			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery Agril. Engg. (Rabi 2019-20)

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									
Zero Till seed cum Fert. Drill.	Wheat var. HD 2967	Use of Zero till seed cum ferti drill machine in wheat sowing	13	5.0			Crop Standing								
Happy Seeder	Wheat var. HD 2967	Wheat sowing by Happy Seeder	16	8.5			Crop Standing								

*** 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

[illegible]

[illegible]

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy	Farmers are willing to spread the technology & they have demanded for quality seed in time
2	Wheat	Wheat crop is standing in farmers field
3		

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	24.01.2019 23.01.2019 07.01.2019 09.01.2019 31.01.2019 16.02.2019 02.02.2019 17.02.2019	8	103	Farmers were enthusiastic to observe the crop performance
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries	22.10.19	3	101	Extension functionaries of district line department were trained

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2019 and Rabi 2019:

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.	Avg.	D	S	P
1.	Lentil	Local variety PL639					IPL 406, Technology Demonstrated: Seed@40kg/ha Pendimethalin: @3L/ha as Pre-emergence for weed management Seed Treatment:	25	10						

						Carbendazim @ 2.5g/kg of seed for disease prevention PSB: @ 20g/kg of seed to solublize fixed phosphorus of the soil. Rhizobium: @ 20g/kg of seed to fix atmospheric nitrogen into the root zone.								
2.	Chick pea	Local variety JG14				GCP-105, Technology Demonstrated: Seed@80kg/ha Seed Treatment: Carbendazim @ 2.5g/kg of seed for disease prevention. PSB: @ 20g/kg of seed to solubilize the fixed phosphorus of the soil. Rhizobium:@ 20g/kg of seed to fix atmospheric nitrogen into the root zone.	25	10						
3.	Field Pea					IPFD 10-12, Technology Demonstrated: Seed@80kg/ha Seed Treatment: Carbendazim @	25	10						

						2.5g/kg of seed for disease prevention PSB: @ 20g/kg of seed to solubilize fixed phosphorus of the soil. Rhizobium:@ 20g/kg of seed to fix atmospheric nitroge into the root zone.								
4.	Mustard					R. Suflam, Technology Demonstrated: Seed @ 5kg/ha Variety Demonstrated: Rajendra Suflam Seed Treatment: Carbendazim @ 2.5 g/kg of seed Weedicide: Pendimethalin @ 3 L/ha PSB: @ 20g/kg of seed to solublize fixed phosphorus of the soil Sulphur: @20kg/ha to enhance oil content Thiomethoxam : @134g/ha twice for aphid control Micronutrient (6 elements)- Dhanbarsha	375	150						

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	Lentil								
2	Chickpea								
3	Field Pea								
4	Mustard								

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/household)
1	Lentil							
2	Chickpea							
3	Field Pea							
4	Mustard							

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	Mustard						

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Mustard			

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day/Field visit	19.03.19, Surdaspur	19
	Field day/Field visit		
	Field day/Field visit		
	Field day/Field visit		
	Field day/Field visit		

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.)
Lentil	i) Critical input	81,000	55,588	25,412
	ii) TA/DA/POL etc. for monitoring	9000	7000	2000
	iii) Extension Activities (Field day)			

	iv)Publication of literature			
	Total	90,000	62,588	27,412

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Chickpea	i) Critical input	81,000	80,820	180
	ii) TA/DA/POL etc. for monitoring	9000	6000	3000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	90,000	86,820	3,180

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Fieldpea	i) Critical input	81,000	78,570	2,430
	ii) TA/DA/POL etc. for monitoring	9000	6000	3000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	90,000	84,570	5,430

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard (150 ha)	i) Critical input	8,10,000	6,51,078	1,58,922
	ii) TA/DA/POL etc. for monitoring	90,000	27,000	63,000
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	9,00,000	6,78,078	2,21,922

4 Farmers and farm women (on campus)

[illegible]

[illegible]

[illegible]

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 fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
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	36	660	228	887	149	119	8	276	8	0	8	817	355

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	2	93	2	95	2	2	4	0	0	0	95	4	99
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	7	123	0	123	6	0	6	11	0	11	140	0	140
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	3	7	87	5	0	5	0	0	0	89	7	96	80
Sheep and goat rearing	4	74	0	74	25	4	29	0	0	0	99	4	103

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
Quail farming													
Piggery													
Rabbit farming													
Poultry production	2	31	0	31	8	2	10	0	0	0	39	2	41
Disease management	1	20	0	20	1	0	1	0	0	0	21	0	21
Ornamental fisheries													
Enterprise development													
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	2	40	0	40	15	0	15	0	0	0	55	0	55
Tailoring and Stitching													
Rural Crafts													
Medicinal and aromatic plant	1	7	16	23	2	1	3	0	0	0	9	17	26
IPM	1	29	0	29	4	0	4	0	0	0	33	0	33
IDM	1	24	0	24	2	0	2	0	0	0	26	0	26
Nutritional Management	2	56	22	78	5	10	15	0	0	0	61	32	93
Mushroom Production	2	24	17	41	6	5	11	0	0	0	30	22	52
TOTAL	28	528	144	583	76	29	100	11	0	100	615	177	769

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible][illegible]

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Crop production	1	18	25	33	1	0	1	0	0	0	19	25	44
IWM	1	42	0	42	4	0	4	0	0	0	46	0	46
IPM	2	67	0	67	9	0	9	0	0	0	76	0	76
Micro irrigation	1	15	0	15	0	0	0	0	0	0	15	0	15
Design & development of nutritive food	1	10	3	13	4	3	4	0	0	0	14	6	20
TOTAL	16	393	70	453	50	15	62	0	0	0	443	85	528

F) Extension Personnel (Off Campus)

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	6	355	26	381	77	15	92	0	0	0	432	41	473
Integrated Nutrient management	2	117	4	121	22	0	22	0	0	0	139	4	143
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	2	101	11	112	7	3	10	0	0	0	108	14	122
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
IWM	3	91	3	94	1	1	2	0	0	0	92	4	96
Micro irrigation	3	225	36	259	24	33	57	0	0	0	249	69	318
Nutritional management	2	38	6	44	1	1	2	0	0	0	39	7	46
Disease management	1	18	0	18	3	0	3	0	0	0	21	0	21
Post harvest technology	2	52	0	52	11	0	11	0	0	0	63	0	63
Value Addition	2	40	4	44	12	4	16	0	0	0	52	8	60
Storage & loss minimization techniques	1	21	4	25	6	4	10	0	0	0	27	8	35

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
TOTAL	24	105 8	94	115 0	16 4	61	22 5	0	0	0	122 2	15 5	1377

i. Farmers & Farm Women

[illegible]

[illegible]

[illegible]

[illegible]

iii. Extension Personnel (On and Off Campus)

[illegible]

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			
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	101	11	112	7	3	10	0	0	0	108	14	122
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
IWM	3	91	3	94	1	1	2	0	0	0	92	4	96
Micro irrigation	3	225	36	259	24	33	57	0	0	0	249	69	318
Nutritional management	2	38	6	44	1	1	2	0	0	0	39	7	46
Disease management	1	18	0	18	3	0	3	0	0	0	21	0	21
Post harvest technology	2	52	0	52	11	0	11	0	0	0	63	0	63
Value Addition	2	40	4	44	12	4	16	0	0	0	52	8	60
Storage & loss minimization techniques	1	21	4	25	6	4	10	0	0	0	27	8	35
TOTAL	24	1058	94	1150	164	61	225	0	0	0	1222	155	1377

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
<u>Agronomy</u>										
31.01.2019	PF	Production technique of maize	1	Off	17	1	18	2	0	2
15.02.2019	PF	Nutrient & weed management in wheat	1	On	27	8	35	6	4	10
05.03.2019	PF	Production techniques of summer moong	1	Off	15	0	15	1	0	1
24.04.2019	PF	Package of practice of summer sesame	1	Off	20	0	20	0	0	0
02.05.2019	PF	Methods of soil sampling	1	Off	13	3	16	1	0	1
30.05.2019	PF	Cultivation	1	Off	91	2	93	10	0	10

		techniques of DSR								
10.06.2019	PF	Water saving technology in Betevine cultivation for higher water use efficiency	1	Off	27	0	27	0	0	0
01.06.2019	PF	Cultivation techniques of pigeon pea	1	Off	94	3	97	1	0	1
07.06.2019	PF	Cultivation techniques of maize	1	Off	90	2	92	3	0	3
06.06.2019	PF	INM in paddy	1	Off	138	5	143	4	0	4
25.06.2019	PF	Nuresery management in paddy	1	On	25	0	25	1	0	1
07.04.2019	RY	Seed & seed production	1	Off	40	0	40	0	0	0
08.06.2019	RY	IWM in paddy	1	Off	46	0	46	4	0	4
14.05.2019	EF	INM in paddy for sustainable production	1	Off	119	1	120	21	0	21
30.09.2019	PF	Cultivation techniques of fodder crops	1	Off	24	2	26	4	1	5
14.10.2019	PF	Scientific method of wheat seed production	1	Off	13	4	19	1	0	1
23.10.2019	PF	package of practice of lentil	1	Off	69	10	79	9	10	19
25.10.2019	PF	Weed management in pulse crops, wheat	1	Off	88	5	93	10	5	15
31.10.2019	PF	Nutrient management in wheat and pulses	1	Off	79	7	86	7	3	10
13.08.2019	EF	Integrated weed management in paddy	1	Off	17	4	21	1	1	1
20.08.2019	EF	Integrated nutrient management in paddy	1	Off	20	3	23	1	0	1
22.10.2019	EF	Balance use of fertilizer and soil health card	1	Off	88	5	93	10	5	10
30.10.2019	EF	Weed identification and weed management system	1	Off	40	0	40	0	0	0
24.10.2019	EF	Stress management	1	Off	35	0	35	0	0	0
18.11.2019	PF	production techniques of rapeseed & mustard	1	On	19	2	21	0	0	0
19.11.2019	PF	production techniques of field	1	On	16	2	18	3	0	3

		pea								
22.11.2019	PF	production technique of lentil	1	On	14	0	14	0	0	0
25.11.2019	PF	production technique of chick pea	1	On	7	6	13	0	0	0
05.12.2019	PF	Nutritional element management	1	On	24	28	52	2	8	10
09-12 Dec 2019	RY	Medicinal & Aromatic plant	4	On	9	17	26	2	1	3
11.12.2019	RY	Seed production	1	Off	64	31	95	2	0	2
31.12.2019	RY	Crop production	1	Off	19	25	44	1	0	1
Ento.										
07.01.2019	PF	Disease management in potato	1	Off	28	4	32	2	0	2
17.01.2019	PF	INM in wheat	1	On	23	0	23	4	0	4
22.01.2019	PF	Artificial	1	On	23	10	33	15	0	15
23.01.2019	PF	IPM in rai vegetables	1	Off	14	4	18	0	0	0
03.02.2019	PF	Classification of pesticide	1	Off	40	0	40	5	0	5
21.02.2019	PF	Pest management in veg. crop	1	On	25	0	25	6	0	6
22.02.2019	PF	Pest management in rabi crops	1	On	41	1	42	9	0	9
10.02.2019	PF	Pest management in wheat	1	On	30	0	30	6	0	6
09.03.2019	PF	Pest management in wheat in storage	1	On	26	0	26	4	0	4
01.03.2019 to 02.04.2019	RY	Bee keeper	30	On	25	4	29	2	2	4
22.02.2019	EF	IPM	1	Off	41	1	42	9	0	9
24.04.2019	PF	Mosaic management in moong	1	Off	20	0	20	5	0	5
26.05.2019	PF	Soil testing: Methods & importance	1	On	26	0	26	5	0	5
29.05.2019	PF	Pest & disease management in kharif crops	1	Off	94	8	102	11	3	14
31.05.2019	PF	Pest & disease management in kharif crops	1	Off	80	5	85	10	3	13
23.06.2019	PF	Pest management in toria, saron, moong and arhar	1	Off	25	0	25	3	0	3
25.06.2019	PF	IPM in paddy	1	On	25	0	25	1	0	1
09.07.2019	PF	Pest management in paddy	1	On	26	0	26	5	0	5
12.07.2019	PF	Pest management in paddy	1	On	24	0	24	5	0	5
05.05.2019	RY	Diagonosis of pest	1	Off	40	0	40	5	0	5

		& disease								
26.05.2019	RY	package and practices of wheat, paddy, maize and bajra	1	Off	36	0	36	4	0	4
06.07.2019	RY	Pest management in kharif pulses	1	On	33	0	33	4	0	4
10.07.2019	RY	Seed treatment, seed type & seed germination	1	On	26	0	26	2	0	2
15.05.2019	EF	Pest & disease management in kharif crops	1	Off	160	20	180	40	11	51
12.09.2019	PF	Pest & disease management in vegetable crops	1	Off	16	6	22	0	0	0
30.09.2019	PF	Seed treatment in rabi crops	1	Off	28	2	30	4	1	5
16.10.2019	PF	Wilt management in lentil & chickpea	1	Off	14	4	18	2	1	3
28.10.2019	PF	Wilt management in lentil & chickpea	1	Off	104	0	104	13	0	13
24.10.2019	PF	Wilt management in lentil & chickpea	1	Off	64	0	64	14	0	14
30.10.2019	PF	Management in early blight in potato	1	Off	65	0	65	13	0	13
19.08.2019	EF	Pest management in paddy	1	Off	22	3	25	0	0	0
10.10.2019	EF	management of fall army worm	1	Off	89	6	95	14	1	15
22.10.2019	EF	IPM in rabi crops	1	Off	103	7	110	13	2	15
05.12.2019	PF	INM	1	On	24	28	52	2	8	10
17.12.2019	PF	IPM	1	On	18	0	18	0	0	0
20.12.2019	PF	IDM	1	On	24	2	26	5	1	6
24.12.2019	RY	Bee keeping	1	On	70	0	70	0	0	
Agril. Engg.										
07.01.2019	PF	Method of sprinkler irrigation in rabi crops	1	Off	28	4	32	2	0	2
16.01.2019	PF	Use & operation of crop harvesting machineries	1	Off	36	0	36	8	0	8
23.01.2019	PF	Irrigation techniques in rabi pulses	1	Off	14	4	18	0	0	0
24.01.2019	PF	On farm water management in ZT wheat	1	Off	19	1	20	3	0	3
31.01.2019	PF	Irrigation management in wheat	1	Off	17	1	18	2	0	2
01-02 feb	PF	Working of	2	OFF	33	3	36	3	2	5

19		improved tillage and sowing implements								
05.02.2019	PF	Mulching technology for moisture conservation	1	On	18	0	18	1	0	1
15.02.2019	PF	Crop residue managment by machines	1	On	27	8	35	6	4	10
08.03.2019	PF	Women friendly small tools and equipments for income generation	1	On	0	73	73	0	25	25
19.03.2019	PF	Drip irrigation technique	1	Off	13	2	15	1	0	1
28.03.2019	PF	Soil moisture conservation through plastic mulching	1	off	12	2	14	2	0	2
11-12 Feb 19	RY	Custom hiring of agricultural implements	2	Off	38	0	38	4	0	4
17.01.2019	EF	Care & maintenance of irrigation equipments	1	off	110	6	116	6	2	8
08.04.2019	PF	Working of reaper for wheat harvesting	1	Off	11	1	12	0	1	1
22.04.2019	PF	Water conservation methods	1	Off	14	6	20	4	3	7
02.05.2019	PF	Wheat harvesting machines	1	Off	13	3	16	1	0	1
15.05.2019	PF	Moisture conservation methods	1	On	16	3	19	4	1	5
08.06.2019	PF	use of improved tillage/ sowing implements	1	Off	46	0	46	4	0	4
24.06.2019	PF	Rain water conservation techniques	1	Off	23	0	23	1	0	1
16.07.2019	PF	Working of sowing/ planting implements	1	On	4	8	12	1	3	4
20.07.2019	PF	Drip and sprinkler method of irrigation	1	Off	89	6	95	20	2	22
18.07.2019	PF	Water harvesting through pond	1	Off	17	0	17	2	0	2
22.07.2019	PF	Use & operation of sprinkler irrigation system	1	Off	20	6	26	3	4	7
9-10 may	RY	Improved tillage	2	ON	20	0	20	2	0	2

2019		implements								
25.06.2019	RY	Use of improved tillage implements	1	Off	17	0	17	2	0	2
17.07.2019	RY	Improved, sowing/ planting implements	1	On	13	0	13	0	0	0
18.07.2019	EF	Use, operation and maintenance of micro irrigation system	1	Off	74	54	128	14	28	42
24.07.2019	EF	Operation & maintenance of drip irrigation system & modern sowing implements	1	Off	65	9	74	4	3	7
03.09.2019	PF	Water conservation through sprinkler and drip irrigation	1	Off	36	25	61	8	16	24
30.09.2019	PF	Improved weeding implements	1	Off	28	2	30	4	1	5
17.09.2019	PF	Plantation and rain water availability	1	On	37	4	41	3	2	5
12.09.2019	RY	Farm mechanization	1	Off	28	0	28	0	0	0
18.09.2019	RY	Installation and management of sprinkler and drip irrigation system	1	Off	15	0	15	0	0	0
25.09.2019	RY	Custom hiring of farm implements	1	Off	28	0	28	2	0	2
01.10.2019	RY	Hands on experience in handling farm implements and equipments	1	On	28	0	28	2	0	2
14.08.2019	EF	Modern implements for tillage and sowing	1	Off	17	4	21	1	1	2
22.10.2019	EF	Operation and calibration of ZTT	1	Off	91	10	101	6	2	8
04.11.2019	PF	use of modern paddy harvesting and threshing machine	1	Off	10	1	11	1	1	1
26.11.2019	PF	use of machine for crop residue management	1	On	9	23	32	2	15	17
03.12.2019	PF	use of seed cum ferti drill for sowing of rabi seeds	1	On	16	0	16	4	0	4
23.12.2019	PF	Irrigation scheduling in rabi crops	1	On	12	15	27	1	7	8
09.12.2019	PF	On farm water	1	Off	15	1	16	2	1	3

		management in wheat								
20.12.2019	PF	use of sprinkler system for wheat irrigation	1	Off	20	1	21	2	0	2
25-28 Nov. 2019	RY	Repair, maintenance and calibration of ZT machine	4	On	20	0	20	2	0	2
03.12.2019	RY	Operation & calibration of zero tillage machine	1	On	15	0	15	3	0	3
04-07 Dec. 2019	RY	Operation, repair, care maintenance and calibration of happy seeder & ZT	4	On	24	0	24	4	0	4
16-19 Dec. 2019	RY	Improved implements for wheat sowing without tillering in presence of crop residue	4	On	20	0	20	4	0	4
Ani. Sc.										
03.01.2019	PF	Fish Farming	1	On	15	3	18	1	2	3
07.01.2019	PF	Disease management of livestock	1	Off	28	4	32	2	0	2
10.01.2019	PF	Infections disease of poultry	1	On	16	2	18	2	0	2
23.01.2019	PF	Fodder management of livestock	1	Off	14	4	18	0	0	0
24.01.2019	PF	Nutritional management of livestock	1	Off	19	1	20	3	0	3
13.02.2019	PF	Value addition of milk by products (NABARD)	1	Off	55	0	55	10	0	10
15.02.2019	PF	Infectious disease of livestock, poultry and its control	1	On	27	8	35	6	4	10
22.02.2019	PF	Nutritional management of cattle	1	Off	15	3	18	1	0	1
26.02.2019	PF	Important of vaccination in goat	1	Off	12	38	50	10	16	26
05.03.2019	PF	Nutritional management of dairy	1	Off	14	0	14	0	0	0
08.03.2019	PF	Role of women in livestock	1	On	0	73	73	0	25	25
11.03.2019	PF	Disease management of livestock	1	Off	20	0	20	2	0	2

28.03.2019	PF	Housing & feeding management of cattle	1	On	19	0	19	2	0	2
14-18 Jan 2019	RY	Goat farming	5	On	31	0	31	4	0	4
11.02.2019	RY	Broiler poultry farm management	1	Off	16	0	16	2	0	2
14.03.2019	RY	Pig farming	1	Off	15	2	17	15	2	17
25-29 March 19	RY	A.I. & dairy management	5	On	30	2	32	3	0	3
15.03.2019	EF	Advance A.I. technique for dairy cattle	1	Off	21	0	21	3	0	3
	PF	Importance of vaccination in cattle/ livestock	1		101	59	160	25	34	59
	PF	Recent echi of backyard poultry farming	1		11	1	12	0	1	1
	PF	Disease management of dairy cattle	1		15	5	20	0	0	0
02.05.2019	PF	Housing & feeding management of poultry	1	Off	13	3	16	1	0	1
15.05.2019	PF	Feeding management of goat	1	Off	18	0	18	2	0	2
07.06.2019	PF	Housing & feeding management of cattle	1	Off	17	0	17	1	0	1
02.07.2019	PF	Nutritional management of poultry	1	Off	18	0	18	2	0	2
18.07.2019	PF	Poultry cum fish farming	1	Off	17	0	17	2	0	2
21-24 may 2019	RY	Goat farming	4	On	13	1	14	4	1	5
10-14 June 2019	RY	Poultry farming	5	On	17	2	19	3	2	5
08-12 July 2019	RY	Goat farming	5	On	32	1	33	9	1	10
11.09.2019	PF	Control of infectious disease of livestock	1	On	110	20	130	35	10	45
12.09.2019	PF	Nutritional management of livestock	1	Off	16	6	22	0	0	0
30.09.2019	PF	Nutritional management of dairy animal	1	Off	28	2	30	4	1	5
14.10.2019	PF	Nutritional managemnet of dairy cattle	1	Off	13	3	16	1	0	1
16.10.2019	PF	Disease	1	Off	14	4	18	2	1	3

		management of dairy cattle								
2-6 Sept. 2019	RY	Dairy managemnet	5	On	46	5	51	1	0	1
14.08.2019	EF	IFS model	1	Off	17	4	21	1	1	2
19.08.2019	EF	IFS model	1	Off	22	3	25	0	0	0
11.09.2019	PF	Control of infectious disease of livestock	1	On	110	20	130	35	10	45
12.09.2019	PF	Nutritional management of livestock	1	Off	16	6	22	0	0	0
30.09.2019	PF	Nutritional management of dairy animal	1	Off	28	2	30	4	1	5
14.10.2019	PF	Nutritional managemnet of dairy cattle	1	Off	13	3	16	1	0	1
16.10.2019	PF	Disease management of dairy cattle	1	Off	14	4	18	2	1	3
04.12.2019	PF	Dairy management	1	Off	36	26	62	16	11	27
05.12.2019	PF	Fodder management	1	On	24	28	52	2	8	10
2-6 Sept. 2019	RY	Dairy managemnet	5	On	46	5	51	1	0	1
4-8 Nov. 2019	RY	Goat farming	5	On	23	2	25	8	2	10
18-22 Nov 2019	RY	Poultry farming	5	On	22	0	22	5	0	5
26.12.2019	RY	Disease nmanagement	1	On	21	0	21	1	0	1
20.12.2019	RY	Dairy managemnet	1	On	13	0	13	1	0	1
Home Sc.										
07.01.2019	PF	Nutritional gardening	1	Off	28	4	32	2	0	2
23.01.2019	PF	Nutritious milk products preparation	1	Off	14	4	18	0	0	0
24.01.2019	PF	Wheat processing	1	Off	19	1	20	3	0	3
31.01.2019	PF	Vegetable preservation	1	Off	17	1	18	2	0	2
15.2.2019	PF	SHG formation	1	On	20	40	60	10	20	30
28.02.2019	PF	Mushroom production	1	Off	36	9	45	6	4	10
24.02.2019	PF	Mother & child care	1	Off	50	20	70	20	10	30
08.03.2019	PF	Women & child care	1	On	0	73	73	0	25	25
21.03.2019	PF	Mushroom production	1	off	30	0	30	10	0	10
20.02.2019	RY	PHT	1	On	30	0	30	10	0	10
21.02.2019	RY	PHT	1	On	25	0	25	5	0	5
19.03.2019	RY	Value addition	1	Off	13	2	15	1	0	1
15.02.2019	RY	Mushroom	30	On	30	0	30	6	0	6

		Production								
15.01.2019	EF	Storage loss minimization techniques	1	Off	27	8	35	6	4	10
30.01.2019	EF	Fruit & vegetable preservation	1	Off	27	8	35	6	4	10
08.04.2019	PF	Turmeric & yam processing	1	Off				0	1	1
28.05.2019	PF	Nutritional gardening	1	On				6	0	6
24.06.2019	PF	Green mango squash	1	Off				1	0	1
25.06.2019	PF	PHT	1	On	11	1	12	1	0	1
28.06.2019	PF	Mushroom production with Paan	1	Off	27	0	27	8	0	8
10.07.2019	PF	Scientific grain storage	1	On	23	0	23	2	0	2
22.07.2019	PF	Production of mango preservatives	1	Off	25	0	25	3	4	7
09.07.2019	PF	PHT in Paddy	1	On	45	0	45	5	0	5
12.07.2019	PF	Mushroom production	1	On	26	0	26	5	0	5
22.04.2019	RY	Preparation of ragi products	1	Off	14	6	20	4	3	7
07.08.2019	PF	Mushroom production	1	Off	20	0	20	5	0	5
26.08.2019	PF	Scientific storage practice	1	off	40	0	40	15	0	15
18.09.2019	PF	Nutritional gardening	1	Off	17	25	42	8	15	23
11.09.2019	PF	Health hygiene	1	On	0	40	40	0	22	22
04.10.2019	PF	Scientific grain storage	1	Off	15	7	22	7	2	9
11.10.2019	PF	Preparation of ragi products	1	Off	7	13	20	3	4	7
27.11.2019	PF	Mushroom production	1	On	22	8	30	7	4	11
12/04/2019	PF	Nutrition gardening	1	Off	36	26	62	16	11	27
12/09/2019	PF	Nutrition gardening	1	Off	15	1	16	2	1	3
12/11/2019	PF	Making of coriander, besan and sattu	1	Off	14	31	45	2	0	2
20-12-19	PF	Fruit and vegetable preservation	1	Off	20	1	21	2	0	2
03.09.2019	RY	Mushroom production	1	Off	14	19	33	4	10	14
17.09.2019	RY	Nutrition gardening	1	On	37	4	41	3	2	5
19-23 Nov. 2019	RY	Mushroom production	5	On	0	22	22	0	5	5
05.12.2019	RY	Nutritional gardening	1	On	24	28	52	2	8	10
24.10.2019	EF	Post harvest	1	Off	28	0	28	2	0	2

		machinery for income generation								
11/06/2019	EF	Post harvest techniques	1	Off	35	0	35	9	0	9
15-11-19	EF	Value addition	1	Off	25	0	25	6	0	6

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	-
Goat	Goat Management	Goat Management	5	31	0	31	self	4	4	-
Dairy management	Dairy management	Modern AI Techniques for cows & buffalows	4	30	2	32	self	8	8	-
Goat	Goat Management	Goat Management	4	13	1	14	self	5	5	-
Poultry farming	Poultry farming	Poultry farming	5	17	2	19	self	4	4	-
Goat Farming	Goat Farming	Goat Farming	5	32	1	33	self	12	12	-
Dairy management	Dairy management	Dairy management	5	42	5	47	self	14	14	-
Dairy management	Dairy management	Dairy management	3	95	69	164	self	21	21	-
Mushroom production	Mushroom production	Mushroom production	5	0	22	22	Oyster & button mushroom	5	5	-
Wheat	Improved agri. implements	Repair & maintenance, calibration of ZT machine	4	20	0	20	self	6	6	-
Goat	Goat	Goat farming	5	24	3	27	self	7	7	-

farming	farming									
Poultry farming	Poultry farming	Poultry farming	5	22	0	22	self	5	5	-
Production techniques of medicinal & aromatic plant	Production techniques of medicinal & aromatic plant	Production techniques of medicinal & aromatic plant	4	9	17	26	self	2	2	-
Improved Implements	Improved agri. implements	Improved implements for Wheat sowing without tilling in presence of crop residue	4	20	0	20	self	7	6	-
Improved Implements	Improved agri. implements	Operation, repair, care maintenance and calibration of happy seeder & ZT	4	24	0	24	self	8	2	-

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S l. N o	Titl e	Them atic area	M ont h	Durati on (days)	Clie nt PF /R Y/ EF	No. of cours es	No. of Participants										Sponsor ing Agency
							Male			Female			Total				
							Other s	SC	S T	Othe rs	SC	ST	Othe rs	SC	ST	To tal	
1	PHT	Wheat Processi ng	Ma rch	1	PF	1	21	3	0	0	0	0	21	3	0	24	Dr. Reddy Foundatio n, Patna
2	Irrigati on Man age ment	Irrigatio n Man agement in Wheat	Ma rch	1	PF	1	21	3	0	0	0	0	21	3	0	24	Dr. Reddy Foundatio n, Patna
3	Stora ge Loss Mini miza tion Tech nolo gy	Wheat Storage	Ma rch	1	PF	1	22	4	0	0	0	0	22	4	0	26	Dr. Reddy Foundatio n, Patna
4	Integ rated Pest Man age ment	Insects Man agement in Wheat Store Grain	Ma rch	1	PF	1	22	4	0	0	0	0	22	4	0	26	Dr. Reddy Foundatio n, Patna
5	Irrigati on Man age ment in	Irrigatio n Man agement in Wheat	Ma rch	1	PF	1	12	6	0	0	0	0	6	0	0	24	Dr. Reddy Foundatio n, Patna

6	Disease Management	Artificial Insemination Technology	March	1	RY	1	10	4	0	0	0	0	7	0	0	21	COMFED Jehanabad
7	PHT	PHT	February	1	RY	1	23	0	0	0	0	0	4	3	0	30	Dr. Reddy Foundation, Patna
8	PHT	PHT	February	1	RY	1	20	5	0	0	0	0	20	5	0	25	Dr. Reddy Foundation, Patna
9	Mushroom Production	Mushroom Production	February	1	PF	1	18	12	0	9	6	0	27	18	0	45	ATMA, Jehanabad
10			February	1	PF	1	21	8	0	0	0	0	21	8	0	29	Dr. Reddy Foundation, Patna
11	Soil Health Management	Soil Health Management	February	1	RY	1	28	5	0		12	0	40	5	0	45	BAMETI(DAESI)
12	IPM	Disease & Insect Management in Rabi Crops	February	1	PF	1	22	8	0	0	0	0	22	8	0	30	Dr. Reddy Foundation, Patna
13	IPM	Insect Management in Vegetables crops	February	1	PF	1	20	5	0	0	0	0	20	5	0	25	Dr. Reddy Foundation, Patna
14	Storage loss Minimization Technology	Scientific Technology of Grain Storage	January	1	EF	1	21	11	0	6	2	0	27	13	0	40	ATMA, Jehanabad
15	Storage loss Minimization Technology	Scientific Technology of Grain Storage	January	1	PF	1	15	5	0	0	0	0	15	5	0	20	Dr. Reddy Foundation, Patna
16	Value addition	Fruit & Vegetables Preservation	January	1	PF	1	28	7	0	0	0	0	28	7	0	35	Dr. Reddy Foundation, Patna
17	Water Conservation	Irrigation Management in Wheat	January	1	PF	1	16	4	0	0	0	0	16	4	0	20	Dr. Reddy Foundation, Patna

18	INM & IW M	Integrated nutrient Management in Wheat & Lentil & Weed management	January	1	PF	1	32	8	0	0	0	0	32	8	0	40	Dr. Reddy Foundation, Patna
19	INM	Integrated nutrient Management in Wheat	January	1	PF	1	17	6	0	0	0	0	17	6	0	23	Dr. Reddy Foundation, Patna
20	Household food Security by Kitchen Garden	Nutritional Gardening	May	1	PF	1	21	6	0	0	0	0	21	6	0	27	Dr. Reddy Foundation, Patna
21	PH T	Food processing	June	1	PF	1	24	1	0	0	0	0	24	1	0	25	Dr. Reddy Foundation, Patna
22	Community Nursery	Paddy community nursery management	June	1	PF	1	24	1	0	0	0	0	24	1	0	25	Dr. Reddy Foundation, Patna
23	Mushroom production	Mushroom cultivation along with betel vine production	June	1	PF	1	37	8	0	0	0	0	37	8	0	45	Dr. Reddy Foundation, Patna
24	PH T	PHT in paddy		1	PF	1	21	5	0	0	0	0	21	5	0	26	Dr. Reddy Foundation, Patna
25	Mushroom production	Mushroom production techniques		1	PF	1	19	5	0	0	0	0	19	5	0	24	Dr. Reddy Foundation, Patna

26	Crop production	Paddy transplanting & fertilizer management	1	PF	1	21	5	0	0	0	0	21	5	0	26	Dr. Reddy Foundation, Patna
27	Nutrient management	Vermi composting & nutrient management	1	PF	1	24	0	0	0	0	0	24	0	0	24	Dr. Reddy Foundation, Patna
28	Dairy management	Dairy management	3	RY	1	15	80	0	20	49	0	35	129	0	164	ATMA, Jehanabad

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	8	81	22	103	19.0				81	22	103
KisanMela	4	562	262	824	17.0				562	262	824
Kisan Chaupal (Ghosthi)	35	1362	420	1782	17				1362	420	1782
Exhibition	4	562	262	824	18				562	262	824
Film Show	2	103	166	269	16				103	166	269
Method Demonstrations											
Farmers Seminar	2	78	0	78	12				78	0	78
Workshop											
Group meetings											
Lectures delivered as resource persons	12	240	0	240	9				240	0	240
News paper	32	0	0	32	-				0	0	32
Advisory Services	4431	4066	365	4431	24				4066	365	4431
Scientific visit to farmers field	226	198	28	226	18				198	28	226
Farmers visit	611	326	285	611	19				326	285	611

to KVK											
Diagnostic visits	71	55	16	71	17				55	16	71
Soil testing	217	217	0	217	9				217	0	217
Exposure visits	3	98	5	103	11				98	5	103
Ex-trainees Sammelan	1	20	0	20	8				20	0	20
Soil health Camp											
Vaccination programme	5	772	64	1016	23				772	64	1016
Animal Health Camp	1	60	25	85					60	25	85
Agri mobile clinic											
Soil test campaigns	1	64	6	70					64	6	70
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	1	14	1	15		0	0	0	14	1	15
Mahila Mandals Conveners meetings	1	0	28	28					0	28	28
Celebration of important days (International Women Day, International Environmental Day, International Yoga Day, ICAR foundation day, World Earth Day, National Milk Day, Sabidhan Diwas, District Foundation Day, Mahila Kisan Diwas, 12 th establishment day of Bihar Rajya Apda	13	302	92	394					302	92	394

Prabandhan pradhikaran, World soil day, Vishwa Tobacco, Nishedh Diwas)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	56	1766	421	2187	14				1766	421	2187
Videoconferen cing	6	72	58	130	9				72	58	130
District level Kharifmahotsav	1			-							-
Block level Rabi/kharifmah otsav	1	130	35	165	13						-
Kharif/Rabi Sammelan cum mela	1	351	85	436	11						-
DAESI Programme	3			-							-
Krishi Yantrikaran Mela	2	395	15	410	8				395	15	410
Brihad Briksha Ropan Abhiyan	1	99	34	133	16				99	34	133
Rashtriya Poshan Maah	1	36	6	42	8				36	6	42
Fertilizer Application Awareness Programme	1	82	11	93	12				82	11	93
Vigilance Awareness week	1	74	12	86	14				74	12	86
Sonpur Mela cum kisan gosthi	1	-	-	Mass					-	-	Mass
Kisan Mela cum Gosthi Sakrorha village	1	477	49	326	21				477	49	326
Live telecast of Hon'ble PM	1	21	109	130	16				21	109	130
Pradhan Mantri Kisan Samman Nidhi Programme live telecast	1	82	51	139	12				82	51	139
Awareness	1	59	7	66	13				59	7	66

cum training programme on crop residue management at Utkramit vidyalaya, Dhamapur											
Swachh Bharat Abhiyan and Poshan Vatika Karyakaram	1	93	22	115	17				93	22	115

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	32
Radio talks	5
TV talks	1
Popular articles	11
Extension Literature	
Other, if any	

3.5 a. Production and supply of Technological products:

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	HD-2967	83.86	30010	20	0	220	240
Wheat	S. Nirjal	5.20	23400	15	0	45	60
Paddy	R. Sweta	146.92	478850	40	0	410	450
Veg. pea	KashiAgeti	3.0	69000	150	0	350	500
Grand Total		238.98	601260	225	0	1025	1250

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Early Barkha	4000	2000	8	0	72	80
Cabbage							
Tomato	Hybrid F1	12700	6350	50	0	204	254
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		16700	8350	58	0	276	334

Production of Bio-Products

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

Total						
-------	--	--	--	--	--	--

Production of livestock materials

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

3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

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

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Impact of Nutrition Training on Knowledge of rural women,	Rani Shobha and Kumar Devendra and Kumari, M. (2019)	Buttetin of Environment, pharmacology and life Science, 8(3):96-98. (International Journal of Pure & Applied Bioscience).	
	Incidences of Repeat-Breeding at Organized Dairy Farms in Cattle	Dinesh Mahto, and M.P. Sinha (2019)	<i>Int. Arch. App. Sci. Technol; Vol 10 [4]: 154-157.</i>	
	Incidence of Repeat Breeding in cattle at Organized Dairy Farms.	Dinesh Mahto and Shobha Rani (2019).	<i>J Krishi Vigyan</i> , 8(1) : 166-916.	
Seminar/conference/ symposia papers	Crop diversification as an approach for sustainable agriculture in climate change	Rani S., Kumar, J. and Kumar, A.	Proceedings of National Seminar on Recent advances in agriculture for sustainable	

scenario		rural development (RAASRD), VKSCOA, Dumraon (Buxer), 15-17 March 2019: 156-159 Extended Abstract	
Incidences of repeat- breeding of animal at organized farms at Ranchi, Jharkhand .,	Dinesh Mahto ,M. P. Sinha and Shobha Rani (2019).	<i>3rd International Conference</i> Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE- 2019) at Conference Hall, Tribhuvan University, Kathmandu, Nepal on dated 16-18 June, 2019,p 75.	
Biological weed management through Rice-Duck farming .	Ajit kumar Paswan and Dinesh Mahto (2019).	<i>3rd International Conference</i> Global Initiatives in Agricultural and Applied Sciences for Eco-Friendly Environment (GIASE- 2019) at Conference Hall, Tribhuvan University, Kathmandu, Nepal on dated 16-18 June, 2019,p 420.	
Effect of Immunomodulator in growth performance of broiler chicks.	Dinesh Mahto (2019).	<i>International Conference, Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)</i> , UGC-HRDC Hall, Kumaun University, Nainital, UK, India on dated 1-2 December, 2019. Vol:1, Page no:110.	
Assessment of different mulching materials and methods of plastic mulch laying in okra cultivation	Jeetendra kumar, shobha rani, b. k. sharma, wajid hasan, a.k.paswan, v.kumar1, a. kumar and r.k. sohane2	<i>International Conference on Global perspective in agricultural and applied sciences for food and environmental security (gaafes-2019)</i> , ugc-hrdc hall, kumaun university, nainital, uk, india on dated 1-2 december, 2019: pp 579	
Effect of wheat- legume intercropping on weed biomass	Ajit kumar paswan, wajid hasan, jeetendra kumar, atul kumar and shobha rani	<i>International Conference on Global perspective in agricultural and applied sciences for food and environmental security (gaafes-2019)</i> , ugc-hrdc hall, kumaun university, nainital, uk, india on dated 1-2 december, 2019: pp 566	
Performance of different sources of sulphur on growth & yield of mustard in middle Gangetic plains of bihar	V. Kumar1, s. Prasad1, a. Kumar, j. C. Chandola1, j. Kumar, s. K. Singh, m. Kumar, & b. Shahi	3rd international conference global initiatives in agricultural and applied sciences for eco friendly environment (giase- 2019), june 16-18, conference hall, tribhuvan university, kathmandu, nepal: pp 317	
Assessment of different levels	Jeetendra kumar,	3rd international conference	

	of water application for wheat irrigation	wajid hasan, shobha ran, a.k. Paswan, vijay kumar, atul kumar ¹ , and R.k. Sohane	global initiatives in agricultural and applied sciences for eco friendly environment (giase- 2019), june 16-18, conference hall, tribhuvan university, kathmandu, nepal:pp316-17	
Books	Souvenir cum lead/ abstract proceeding book	Shobha Rani As Editor	International conference on FSSA, ISBN: 978-93-84113-92-6	
Bulletins	xjhcksadk , -Vh-, e-% cdjhiky,	Dinesh Mahto , Shobha Rani and Jeetender Kumar	Khetibari, Bameeti, Patna.	
	Guide book related to PPV- FRA	Shobha Rani	13/2017-18, KVK, Jehanabad	
	Sahjan(Munga) ki paushtik mahatta evam utapadan vidhi	Shobha Rani, Ajit kr. Paswan evam Jeetendra Kumar	1/2019-20	
News letter	Krishak Samachar (Quarterly) newsletter tuojh ls ekpZ 2019	Mk0 'kksHkk jkuh] bZ0 thrsUnz dqekj] MkW okftn glu] Jh vftr dqekj ikloku, Dinesh Mahto	KrishakSamachar (Quarterly) newsletter , KVK, Jehanabad	1000
	Krishak Samachar (Quarterly) newsletter vizSy ls twu 2019	Mk0 'kksHkk jkuh] bZ0 thrsUnz dqekj] MkW okftn glu] Jh vftr dqekj ikloku, Dinesh Mahto	KrishakSamachar (Quarterly) newsletter , KVK, Jehanabad	1000
	Krishak Samachar (Quarterly) newsletter October to December 2019	Mk0 'kksHkk jkuh] bZ0 thrsUnz dqekj] MkW okftn glu] Jh vftr dqekj ikloku, Dinesh Mahto	KrishakSamachar (Quarterly) newsletter , KVK, Jehanabad	1000
Popular Articles	Poshan Suraksha me Soyabean ki Upyogita	Shobha Rani, Jeetendra Kumar and R. K. Sohane	Krishaksandesh, August 2019, pg 3-5	
	Dhan me keet evam Rog Prabandhan	Wajid Hasan	Krishaksandesh, August 2019, pg 17-18	
	Gramin Kshetron me kaise Karen varsa jal sanchayan taki ho bhu- jal sambharan	Jeetendra Kumar, Shobha Rani, Atul kumar and R.K. Sohane	Krishaksandesh, August 2019, pg 19-23	
	Sabji Faslon me kharpatwar prabandhan	Ajit kr. Paswan	Krishaksandesh, August 2019, pg 29-30	
	Parwal ki unnat kismet evam vaigyanik khedi	Sangita kri, Shobha Rani, Rajesh kr evam kavita	Krishaksandesh, August 2019, pg 36-38	
	Mushroom beej utpadan takneek	Ramlakhan thakur, atul kr evam Shobha Rani	Krishaksandesh, August 2019, pg 41-43	
	Pashuon me sankramak rog aur unki roktham	Dinesh Mahto	Krishaksandesh, August 2019, pg 47-48	
	Adhunik Bhandharan Dhanche ke madhyam se surakshit ann bhandharan	Jeetendra kumar, Wajid Hasan, Ajit kr. Paswan, Shobha Rani evam R.K. Sohane	Krishaksandesh, April- June 2019, pg 11-13	
	Fasal Awasheshon ke sangrahan hetu unnat yantra	Jeetendra Kumar evam Ashok Kumar	Krishaksandesh, October 2019, pg 31-32	
	Fasal Awasheshon ka Punahchakran	Jeetendra Kumar, Shobha Rani, Ajit kr. Paswan, Wajid Hasan	Krishaksandesh, October 2019, pg 40-41	

		evam R.K. Sohane		
	Sahjan(Munga) ki paushtik mahatta evam utapadan vidhi	Shobha Rani, Ajit kr. Paswan evam Jeetendra Kumar	Krishaksandesh, July 2019, pg 42-43	
	Krishi Vigyan Kendra, Jehanabad ki Uplabdhia	Shobha Rani	Srijan-2019, District admn. Page-63	
	Grih Vatika- Surakshik Poshan Ka Aadhar	Shobha Rani	Krishaksandesh, August 2019 page 12-14	
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	MPR (English), MPR (Hindi), QPR (April-June 2019, July-Sept. 2019, Oct.- Dec. 2019) Annual Progress Report (2018-19) of KVK - Annual Action Plan (2019-20) of KVK - Annual Report (2018-19) of NICRA - Annual Action Plan (2019-20) of NICRA - Extension Council Report (April- Sept. 2019, Oct. 2018- March 2019) NICRA QPR (April-June 2019, July-Sept. 2019, Oct.- Dec. 2019, Jan.- March 2019)	Dr. Shobha Rani ¹ , Er. J. Kumar ² Sr. Scientist & Head, KVK, Jehanabad, B.A.U., Sabour 2 Scientist (Agril. Engg.), KVK Jehanabad		
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.	Meeting	KVK Review meeting	Dr. Shobha Rani, Sr. Scientist & Head	22.01.2019	BAMETI, Patna
2.	Winter School	Advances in higher agriculture education for quality assurance and vocational opportunity	Sri Ajit Kumar Paswan, SMS (Agronomy)	03-23 Jan 2019	BAU, Sabour
3.	Workshop	OFT Finalization	Sri Ajit Kumar Paswan, SMS (Agronomy)	18-19 Feb 2019	BAU, Sabour
4.	Workshop	OFT Finalization	Dr. WajidHasan, SMS (Ento)	22.02.2019	BAU, Sabour
5.	Meeting on Doordarshan Salahkar Samiti	Doordarshan Salahkar Samiti	Dr. Shobha Rani, Sr. Scientist & Head	27.02.2019	Doordarshan Kendra, Patna
6.	OFT workshop	OFT workshop	Sri Ajit Kumar Paswan, SMS (Agronomy)	18-19 Feb, 2019	BAU, Sabour
7.	Workshop	OFT finalization	Dr. Wajid Hasan, SMS (Ento.)	16-17 Feb. 2019	BAU, Sabour
8	Meeting	RRPC meeting	Dr. Shobha Rani, Sr. Scientist & Head	09.03.2019	ARI, Patna
9.	Meeting	ZRPC meeting	Dr. Shobha Rani, Sr. Scientist & Head	11.03.209	ARI, Patna

10.	Workshop	Training programme cum OFT finalization	Dr. Dinesh Mahto, SMS (Aimal Sc.)	02.03.2019	BAU, Ranchi
11	Training Programme	Training programme cum OFT finalization	Er. Jeetendra Kumar, SMS (Agril. Engg.)	1-2 March 2019	BAU, ranchi
12	Training programme	GeM portal	Dr. Wajid Hasan, SMS (Ento)	14.03.2019	BAU, Sabour
13	National Seminar	Crop diversification as an approach for sustainable agriculture in climate change scenario	Dr. Shobha Rani, Sr. Scientist & Head, Er. Jeetendra Kumar, SMS (Agril. Engg.) & Sri Atul Kumar, SRF, NICRA project	15-17 March 2019	VKSCOA, Dumraon
14	Workshop	Action Plan Finalization Workshop	Dr. Shobha Rani, Sr. Scientist & Head	16-17 April 2019	ICAR-RCER, Patna
15	Workshop	OFT finalization	Sri Ajit Kumar Paswan, SMS (Agronomy)	16.04.2019	ICAR-RCER, Patna
16	Workshop	NICRA review	Dr. Shobha Rani, Sr. Scientist & Head	15.05.2019	KVK, Supaul
17	Meeting	ICDS	Dr. Shobha Rani, Sr. Scientist & Head	16.05.2019	Patna
18	Meeting	Extension Education meeting and submitted the progress report of NICRA project	Dr. Shobha Rani, Sr. Scientist & Head, Er. Jeetendra Kumar, SMS (Agril. Engg.)	30.05.2019	BAU, Sabour
19	Annual Workshop	Presented the report on NICRA from 2012-13 to 2018-19 and report of NICRA 2019-20	Er. Jeetendra Kumar, SMS (Agril. Engg.)	04-06 June 2019	CRIDA, Hyderabad
20	Workshop	SREP orientation workshop	Dr. Shobha Rani, Sr. Scientist & Head, Er. Jeetendra Kumar, SMS (Agril. Engg.)	27.06.2019	BAMETI, Patna
21	Workshop	Brain Storming	Dr. Dinesh Mahto, SMS (Ani. Sc.)	05.07.2019	Bihar Veterinary Collage, Patna
22	Training	CAFT training	Sri Ajit Kumar Paswan, SMS (Agronomy)	05-25 Sept. 2019	MPUAT, Udaipur
23	National Seminar	Women Empowerment through SHG	Dr. Shobha Rani, Sr. Scientist & Head	18-19 Sept. 2019	Patna Womens College
24	Training	SREP	Dr. Shobha Rani, Sr. Scientist & Head	20.09.2019	BAMETI, Patna
25	International Seminar	International conference on crop residue management	Dr. Shobha Rani, Sr. Scientist & Head, Er. Jeetendra Kumar, SMS (Agril. Engg.)	14-16 Oct 2019	Gyan Bhawan, Patna
26	ICCRM meeting	Storage committee meeting	Dr. Shobha Rani, Sr. Scientist & Head	10.10.2019	Patna Sachiwalaya
27	workshop	Fall Army Kit roktham management	Dr. Wajid Hasan, SMS (Ento.)	10.10.2019	BAMETI, Patna
28	Review meeting	Review meeting on oilseed crop	Sri Ajit Kumar Paswan, SMS (Agronomy)	28.10.2019	BAMETI, Patna
29	Meeting	Custom hiring centre meeting	Er. Jeetendra Kumar, SMS (Agril. Engg.)	28.10.2019	Jila karyalaya, Jehanabad
30	Programme	Farmer Award Ceremany Programme	Dr. Dinesh Mahto, SMS (Ani. Sc.)	22.10.2019	ICAR, New Delhi
31	National Seminar of	Socio-Digital	Er. Jeetendra Kumar, SMS (Agril. Engg.)	20-22 Nov. 2019	Chaudhari Charan Singh

Indian Society of Extension Education	Approaches for Transforming Indian Agriculture		Haryana Agricultural University, Hisar
---------------------------------------	--	--	--

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

Name of farmer	Sanjeet Kumar, S/o Ravindra yadav
Address	Village- Mustafapur, Modanganj
Contact details (Phone, mobile, email Id)	8789337614
Landholding (in ha.)	0.50 ha
Name and description of the farm/ enterprise	Vegetable cultivation (Tomato, potato, brinjal, Okra etc.)
Economic impact	Mr. Sanjeet Kumar has earned gross income of Rs. 180000 annually from his small land by growing vegetable of all seasons
Social impact	By doing vegetable production with high B:C ratio, he easily secured his livelihood
Environmental impact	He used FYM as well as biopesticide to save the environment
Horizontal/ Vertical spread	Inspired by Mr. Kumar, there are 20% farmers/ rural youth doing vegetable production
	

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

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 (Qtl.)	No. of farmers involved	Market available (Y/N)
1	Tomato	0.0125	6.2	2	Y

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	A. PRA.	1. Need assessment
2	B. Survey using (Questionnaires & Schedule)	2. Designing of action plan based on the needs
3	C. Meeting-Discussion.	3. To find out availability of local resources
4	D. Observation (Participant & Non Participant observation)	

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshak Mini soil testing kit	2

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			
217	0	217	217	24	-

3.11.c. Details on World Soil Day: 05.12.2019

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Training, farmers scientist interaction, quiz on soil test and soil conservation & distribution of Soil Health Card	71	1	Dr. Shobha Rani	71	71

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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
26	3	6	1032	2

26.11. Technology week celebration

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

26.11. RAWE/ FETprogramme– is KVK involved? (Y/N)

No of student trained	No of days stayed
ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
29.08.2019	Dr. Anjani kumar, Director, ATARI, Zone-IV, ICAR, Patna	SAC Meeting
	Dr. R.N. Singh, Associate Director, Ext. Edu., BAU, Sabour	
	Sri Arvind Kumar, Project Director, ATMA, Jehanabad	
	Sri Rakesh Kumar, Deputy Project Director, ATMA, Jehanabad	
	Md. Jamsheer, Sr. Manager, LDM Office, Jehanabad	
	Sri Sambhu Kumar, District Fishery Officer, Jehanabad	
	Sri Kumar Ritesh, DDM, NABARD, Jehanabad	
	Sri Ravi Kumar, Branch Manager, DBGB, Bandhuganj	
13.08.2019, 17.09.2019	Sri Shiv Shankar Gautam, Deputy Pramukh, Modanganj Block	Extension Functionaries training, Tree plantation programme
15.02.2019	Smt. Abha Rani, Chairman, Jila Parishad, Jehanabad	Rabi Mela and BSDM training on Mushroom Grower
	Smt. Suneeta Kumari, Member, Jila Parishad, Jehanabad	
	Smt. Sita Devi, Member, Jila Parishad, Modanganj	
	Sri Rakesh Kumar, Deputy PD, ATMA, Jehanabad	
04.12.2019	Sri Sunil Kumar, DAO, Jehanabad	Kisan Mela NICRA Village

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)
SKILL TRAINING (200 hrs)				

Poultry farm worker	20	70	10000	160000
Dairy farmer (entrepreneurship)	20	68	5000	18000
Mushroom Grower	50	62	0	6000
Bee Keeper	23	54	0	21000

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

26.11. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Backyard Poultry	35
Dairy	48
Goatry	32
Value addition in paddy straw	45
Mushroom Production	35
Zero tillage	16

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Single seedling transplanting of paddy (%)	High adoption	77%
2	Vermicompost production (no.)	Kacha and pakka units	1530 units
3	Use of improved farm implements (%) (ex :Rotavator, combined harvester etc)	Farmers use these implements for land preparation and paddy, wheat harvesting	69%
4	Income generating activities Like, poultry, dairying, goatry, processing (%)	Mainly small and medium farm families are involved	48%
5	Participation of Farm women in agril. Programme	Mainly in paddy production	75%
6	Seed replacement rate (%) in the adopted villages (paddy, wheat, rai, gram, lentil, moong etc.)	With regard to crops like paddy, wheat, rai, gram, lentil, moong etc.)	88%
7	Participation of NGO's in KVK-activities (no.)	Technical guidance	12
8	Area under ZTT (acre)	Wheat crop	962
9	Bee Keeping (%)	For income generation	30%
10	Mushroom Production (%)	Nutrition security and income generation	35
11	Pulse crop coverage (Lentil, chickpea, field pea, pigeonpea), ha	CFLD	16520
12	Oilseed crop coverage (Musturd, Linseed), ha	CFLD	1550
13	Drought Tolerant Paddy (Sahabhagi), ha	Higher adoption	280
14	Medium Duration Paddy(R.Sweta, S. Ardhjal), ha	Higher adoption	2000
15	SRI Paddy, ha	In areas of assured irrigation	600
16	Community Nursery (Paddy),	For intervention by community	30

	ha	basis	
17	Green Manuring (Green Gram, dhaincha), ha	Organic farming	3250
18	No. of Pheromon trap used in paddy	IPM	180

4.4. Details of innovations recorded by the KVK

Thematic area	Bee Keeping/ Disease Management
Name of the Innovation	Use of Ajwain powder against Varroa mite in bee
Details of Innovator	Mr. Shankar Singh, Vill: Gandhar, Modanganj, Jehanabad, Bihar
Back ground of innovation	For pest and disease management farmers generally used synthetic chemicals such as antibiotics, sulfur etc. Chemicals contaminate the honey and other byproducts. He used Ajwain powder @5 gm/ hive at 15 days interval.after 4 months the incidence of mite reduced from 36 percent to 11 percent.
Technology details	Ajwain purchased from local market and prepared its powder for application.
Practical utility of innovation	Ajwain is available in local market and easy to use it powder.

Thematic area	Disease management in cattle
Name of the Innovation	Use of coriander leaf at post parturation swelling of udder
Details of Innovator	Mr. Narayan Sharma, Vill- Jaikishunbigha, Block- Modanganj
Back ground of innovation	After calving cow swelling of udder and surrounding area of navel cord area.
Technology details	Farmers used feeding of coriander leafs @ 250 gram per day for one week for the control of swelling
Practical utility of innovation	It is easily available in market

Thematic area	Mushroom Production
Name of the Innovation	Button Mushroom production in low cost portable bamboo basket
Details of Innovator	Venkatesh Sharma, Okari, Modanganj
Back ground of innovation	Button mushroom production is a highly sensitive technology which requires utmost care in terms of humidity & temperature moisture and safe handling during production process
Technology details	The compost prepared for button mushroom production is kept into bamboo basket (Tokri) and spawning is done. The Tokri are shifted time to time depending upon the availability of suitable temperature & humidity in the room. Thus, mushroom can be produced & harvested by this smaller farmers who don't have adequate space for its production
Practical utility of innovation	Therefore, its production in portable bamboo basket is easier for smaller farmers because it require less space and can be easily shifted from one place to other depending upon suitability, humidity & temperature. Besides, the baskets are perforated allowing proper aeration & excess water drainage. Besides, it is a low cost technology.

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Suman Kumar, Vill: Jairam bgha, Block- Modanganj, Distt.- Jehanabad, Bihar

Role of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since September 2019 with 20 bee box. He extracted 250 kg honey in a short duration of 8 months.
Timeline of the entrepreneurship development	Since 1 year he is doing Beekeeping
Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.30000/year before starting beekeeping now his annual net income is Rs.58000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. a. Sufficient flower fauna available in the locality during 8 months in a year. b. Related work done by his family members. c. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

4.6. Any other initiative taken by the KVK

- Organization of "KrishakChoupal".
- Conducted PRA survey in 5 selected villages for Doubling Farmer's income upto 2022
- Provision of Technical bulletins, KrishakSamachar, Krishak Sandesh, vegetable seedlings to the participating farmers in selected villages
- ODK Survey work for paddy & wheat (CSISA Project)
- 5 Farmers' Clubs have been formed and running in collaboration with NABARD in the adopted villages
- Two FPOs were formed in collaboration with NABARD namely GandharAgro. Tech farmers producer company limited, Modanganj, Jehanabad and Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad

26. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
DAO	Diagnostic survey, joint implementation and training
ICARDA	Demonstration, Training, Seed Production.
DHO	Participation in meetings and training.
ATMA	Training, Demonstration and Refinement of technology (OFT)
Bank	Coordination for Farmers club and SHG formation & functioning.
COMFED	Marketing & Training.
DRDA	Training and Demonstration.
ICAR-RCER, Patna	Animal health camp along with vaccination
Bihar Veterinary College, Patna	Infertility camp
Magadh Dairy, Gaya	Animal health camp along with vaccination, Training of AI workers, PashuMela
NABARD	Farmer's club formation
BAU, Sabour	Training, workshop, administration, financial, kisanmela, seed production etc.
Dr. Reddy Foundation	Training
IFFCO	Demonstration, Field day

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

26) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Parthenium Awareness Week		16-22.08.2019	ICAR	-
Swachhta hi Sewaprogramme	Awareness on cleanliness, hygiene, waste management	15.02.2019 09.03.2019, 24, 25, 26, 27, 28 and 30 September 2019	ICAR	6940
Swachhta hi Sewaprogramme	Awareness on cleanliness, hygiene, waste management	16-31 Dec. 2019	ICAR	-
NICRA village Sakrorha	Component demonstration on climate resilient technologies	Jan-Dec. 2019	ICAR	696490
District level Kharifmahotsav	Training	May 2019	ATMA, Jehanabad	-
Block level Kharifmahotsav	Training	30.05.2019	ATMA, Jehanabad	-
District level Rabi mahotsav	Training	22.10.2019	ATMA, Jehanabad	-
Block level Rabi mahotsav	Training	23,24,25,28,30,31Oct- Nov. 2019	ATMA, Jehanabad	-
Kharif/Rabi Sammelan cum mela	Training	15.02.2019	ICAR	78130
DAESI Programme		03.01.2019,05.01.2019, 06.11.2019, 15.11.2019	ATMA, Jehanabad	-
Krishi Yantrikaran Mela		02.02.2019		-
Agro, Bihar		12.02.2019	ICAR	-
Vaccination programme		14.02.2019, 26.02.2019, 01.04.2019, 07.06.2019, 19.07.2019, 25.11.2019	Jila Pashupalan, Bihar	-
Animal Health Camp		25.09.2019	Bihar Govt.	-
Jal Shakti Abhiyan Programme (Jal Jivan Hariyali)		04.07.2019, 13.07.2019, 11.07.2019, 18.07.2019, 19.07.2019, 20.07.2019, 27.07.2019, 29.07.2019, 21.08.2019, 03.09.2019, 02.10.2019 (On the eve of Mahatma Gandhi Jayanti)	ICAR	204159
Brihad Briksha Ropan Abhiyan	700 Plant has been distribute about 133 farmers	17.09.2019	ICAR	13755
Paudharopan Karyakarm		08.07.2019	ICAR	-

Rashtriya Poshan Maah		18.09.2019	ICAR	-
Fertilizer Application Awareness Programme		22.10.2019	ICAR	-
Farmer Award Ceremany Programme		22.10.2019	ICAR	-
Vigilance Awareness week		31.10.2019	ICAR	-
Sonpur Mela cum kisan gosthi		27.11.2019	ICAR	-
Kisan Mela cum Gosthi Sakrorha village		04.12.2019	ICAR	-
DAESI Programme			ICAR	-
KSHAMATA programme		04.05.2019	ICAR	-
Kisan Mela		23-25, Feb, 2019	BAU, Sabour	17000
Udhan Pradarshini		22.02.2019	ICAR	-
Commissionery level Awareness Programme, Gaya	Awareness Programme	16.10.2019		-
Fertilizer applicator awareness programme	awareness programme	22.10.2019	ICAR	519
Live telecast of Hon'ble PM	NADCP for FMD and Brucellosis and A.I. Programme through live telecast	11.09.2019	ICAR	6100
Pradhan Mantri Kisan Samman Nidhi Programme live telecast	Live telecast	24.02.2019	ICAR	5560
Lead Kisan Samman Programme sponsored by Dr. Reddy	Lead Kisan Samman Programme	30.01.2019	Dr. Reddy	-
Awareness cum training programme on crop residue management at Utkramit vidyalaya, Dhamapur	Awareness cum training programme on crop residue management at Utkramit vidyalaya, Dhamapur	29.11.2019	ICAR	-
Swachh Bharat Abhiyan and Poshan Vatika Karyakaram	Training	25.09.2019, 26.09.2019, 27.09.2019, 30.09.2019	ICAR	177
Hon'ble Chief Minister Program at Amthua, Kako	Exhibition on climate resilient agriculture	18.12.2019	ICAR	-

(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.)
International Women Day	Training, Awareness	08.03.2019	ICAR	2920
International Environmental Day	Training, Awareness on environmental conservation	05.06.2019	ICAR	2000
International Yoga Day	Awareness	21.06.2019	ICAR	-
ICAR foundation day	Training, Awareness	16.07.2019	ICAR	480
World Earth Day	Training, Awareness	22.04.2019	ICAR	-

National Milk Day	Training and awareness on dairy management	26.11.2019	ICAR	-
Sabidhan Diwas	Training and awareness programme	26.11.2019	ICAR	320
District Foundation Day	Training and awareness programme	01.08.2019	ICAR	-
12 th establishment day of Bihar Rajya Apda Prabandhan pradhikaran	Training and awareness	06.11.2019	ICAR	-
World soil day	Training, farmers scientist interaction, quiz on soil test and soil conservation & distribution of Soil Health Card	05.12.2019	ICAR	2600
Vishwa Tobacco Nishedh Diwas	Training and awareness programme	31.05.2019	ICAR	-

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/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom Unit	2013	75 (Sq. mt)	Oyster	Oyster Mushr oom	50 kg	-	5000	
2.	Vermi Compost Unit	2014	144 sq. ft.	Vermi compost	Vermi comp ost	18 qtl	-	-	Used in KVK farm
	Total							5000	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Re marks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	21.06.2018	6.12.2018	5.0	R. Sweta	c/s	146.92	202835	478850	
Wheat	10.12.2018	01.05.2019	5.5	HD 2967	F/S	83.86	185510	350010	
Wheat	10.12.2018	01.05.2019	0.5	Sabour Nirjal	F/S	5.20	-	23400	
Vegetabl e pea	12.12.2018	25.03.2019	0.33	Kashi Ageti	F/S	3.0	13700	69000	

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

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

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

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

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Feb 2019	11	55	
March 2019	8	44	
Total :	19	99	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
April 2014 onwards	✓	✓	✓	✓		

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving A/C	PNB (Main)	Kako, jehanabad	231000100338968
Saving A/C	SBI (Main)	BVCC, Patna	11435538045
Saving A/C	PNB (R/F)	Kako, Jehanabad	2321000100338977
Saving A/C	SBI (R/F)	BVCC, Patna	30777637395

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Mustard (Normal)				39305	(39305)
Mustard (Special)				230450	(230450)

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st Jan 2020
	Kharif	Rabi @ 43%	Kharif	Rabi	
Chickpea		38700		80820	(42120)
lentil		38700		55588	(16888)
Fieldpea		38700		81070	(42370)

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	9520000	8092000	6798285
2	Traveling allowances	100000		76186
3	Contingencies			
A	HRD	25000	819000	17500
B	Stationery, OE, telephone, postage etc.	300000		283901
C	Training of farmer	270000		283901
D	Frontline demonstration	70000		99088
E	On Farm Testing	95000		49000
F	Maintenance of building	25000		49402
G	Extension activities/ exhibition, mela	25000		19400
H				283
I	SC-SP- General	50000	50000	-
J	Swachhta Expenditure	0		
TOTAL (A)				
B. Non-Recurring Contingencies				
1	SC-SP	30000	30000	-
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2016-17	3506781.67	1171469.00	408918.93	4269329.74
2017-18	4269329.74	1014314.00	358961.55	4924682.19 + kind
2018-19	4924682.19	1313304.00	530959.40	5707026.79+kind
2019	5707026.79	590819.00	361289.10	5936554.69+kind

7.6. (i) Number of SHGs formed by KVKs: 3

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities:85 (Dairy, Poultry, Goatry, Agarbati, Apiary, Mushroom)

(iii) Details of marketing channels created for the SHGs

Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.

- a. Milk.
- b. Vegetable production.
- c. Goatry.
- d. Mushroom production.
- g. Agarbatti Making
- h. Decorative items making by use of Paddy straw

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
Kharif Maha Abhiyan	01	Kharif			✓
Rabi Maha Abhiyan	01	Rabi			✓
Within district exposure visit	01	Rabi	✓		
Annual health Camp	01	Rabi	✓		
Kharif workshop	01	Kharif			✓
Rabi workshop	01	Rabi			✓
Soil health day	01	Rabi			✓
Farmers scientist interaction programme	01	Kharif/Rabi		✓	
Extension functionaries Training	01	Rabi	✓		
Krishi Yantrikaran Mela	02	Rabi			✓

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)
Wilt disease complex	Lentil	Rabi season	100	20	Advice for seed treatment and soil treatment

8.2. Prevalent diseases in Livestock/Fishery: **No any disease were out break during 2019**

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	425	625891
Livestock	89	131067
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	5	7360
Training information	5	7360
Other	-	-
Total	524	771678

9.4. KVK Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
10.08.2019,17.08.2019,24.08.2019,31.08.2019,07.09.2019,14.09.2019,21.09.2019,28.09.2019,19.10.2019,26.10.2019,09.11.2019,16.11.2019,23.11.2019,30.11.2019,07.12.2019,14.12.2019,21.12.2019,28.12.2019, 11-30 Sept., 16-31 Dec. 2019	Cleanliness awareness, Training, Kisan Chaupal, awareness on residue management, waste management

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	1	0
2. Basic maintenance	240	-
3. Sanitation and SBM	38	8000
4. Cleaning and beautification of surrounding areas	24	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1800 kg	2000
6. Used water for agriculture/ horticulture application	20	-
7. Swachhta Awareness at local level	49	-
8. Swachhta Workshops	12	-
9. Swachhta Pledge	12	-
10. Display and Banner	20	-
11. Foster healthy competition	8	-
12. Involvement of print and electronic media	16	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	-
14. No of Staff members involved in the activities	15	-
15. No of VIP/VVIPs involved in the activities	8	-
16. Any other specific activity (in details)	-	-
Total	1656	8000

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Modanganj	24.09.2019	Modanganj	Nutritinal gardening, Swachhata awareness
Shahpur	25.09.2019	Ghosi	Swachhata awareness
Saistabad,	26.09.2019	Modanganj block	Nutritinal gardening, Swachhata awareness
Kako	27.09.2019	Kako	Nutritinal gardening, Swachhata awareness
Chhapanna	30.09.2019	Ghosi	Nutritinal gardening, Swachhata awareness
Dhamapur,	29.11.2019	Modanganj block	Awareness on prevention of crop residue burning
Sakrorha,	30.09.2019,04.12.2019	Modanganj block	climate resilient agriculture
Okari	18.10.2019	Modanganj block	Swachhata awareness

Give good quality 1-2 photograph(s)

9.9. Details of 'Pre-Rabi Campaign' Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
15.02.2019	0	0	0	0	1	0	1	359	2	363	No	No

9.10. Details of Swachhta Hi Sewarogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness on composting of parthenium grass	5	94		
2	Krishakchaupal cum awareness on agri residue management and vermicompost production	20	887		
3	Awareness on waste	5	44		

	management including utilization of organic waste and generation of wealth from waste by vermi composting, composting of kitchen & home waste materials				
4	Awareness on crop residue management at Dhamapur, Modanganj	1	42		
5	Organized KisanDiwas at KVK, campus	1	27		
6	Waste management using organic waste and generation of wealth from waste, composting of kitchen and home waste materials to promote organic farming among farmers at KVK	4	206		
7	Krishakchaupal cum awareness on non burning of crop residue	20	887		
		56	2187		

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1					

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	Shankar Singh	Vill.- Gandhar, Modanganj	Progressive
2	Sachidanand Sharma	Vill.-Shahpur pinjora, Block-Jehanabad	Progressive
3	Bhushan Sharma	Vill- Jaikishunbiga, Modanganj	Progressive
4	Shyam Narayan Singh	Vill.- Bandhuganj, Modanganj	Progressive
5	Yogendra Sharma	Vill- Gandhar, Modanganj	Progressive
6	Sudhir Kumar	Vill- Muther, Jehanabad	Progressive
7	Nagendra Singh	Vill.- Muther, Jehanabad	Progressive
8	Vinay Kumar	Vill.- Mananpur, Modanganj	Progressive
9	Ganesh Prasad	Vill.-Keshopur, Kako, Jehanabd	Progressive
10	Manoj Kumar	Vill.- Dhongra, Hulashganj	Progressive

11	Rajdeo Prasad	Vill.- Gaurapur, Jehanabad	Progressive
12	Sri SachidanandSinha	Vill.-Sahpur, Block- Jehanabad	Progressive
13	Ganesh Prasad	Vill.- Keshopur, Kako	Progressive
14	Girijanandan Prasad	Vill.-Khalispur, Kako	Progressive
15	Albela Prasad	Vill.- Korma, Ghosi	Progressive
16	Reshma Devi	Vill.-Sripur, Ghosi	Progressive
17	Sudhirkumar	vill- Muther, Block- Jehanabad	Progressive
	Smt. SunitaKumari	Vill.-Tehta, Makhdumpur, Jehanabad	Innovative
18	Sri ShivnarayanYadav	Vill.- Lohgarh, Makhdumpur	Innovative
19	Gourav Raj	Vill.- Tira, Hulasganj	Innovative
20	Arvind Kumar Malviya	Vill. -Bandhuganj, Modanganj, Jehanabad	Innovative
21	Kamla Sharma	Vill.- Rampur Charui, Modanganj	Innovative
22	Badhan Prasad	Vill.- Dhamapur, Modanganj	Lead
23	Mrs. InduKumari	Vill.-Tehta, Makhdumpur, Jehanabad	Lead
24	Kaushal Sharma	Vill.- Sakrorha, Modanganj	Lead
25	Laxmikant Azad	Vill.- Jaikishunbigha, Modanganj	Lead
26	Pramila Devi	Vill.- Bandhuganj, Modanganj	Lead
27	Prem Kumar	Vill.- Kurua, Modanganj	Lead
28	Sant Kumar Sinha	Vill.- Sakrorha, Modanganj	Lead
29	Surendra Prasad Singh	Vill.- Saistabad, Modanganj	Lead
30	Rama Niwas	Vill.- Dehuni, Ghosi	Lead
31	Manoj Kumar	Vill.- Babhana, Jehanabad	Lead
32	Baidyanath Sharma	Vill.-Afjalpur, Kako, Jehanabad	Lead
33	Ranju Devi	Vill- Maulabigha, Modanganj	Lead
34	Sachidanand Prasad	Vill.-safepur, Kako	Lead

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Revolving fund	1313304.00	KVK
2.			
3.			

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Skill Development training programme	Hostel rent	ASCI- ICAR	32000.00	
2	BSDM skill development training programme	Hostel Rent	BSDM- BAMETI	34560.00	

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:

b) Introduction / General Information:

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

11. Details of TSP :NA

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

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

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

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

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

d. Location and Beneficiary Details during 2017-18

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

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

Natural Resource Management

Name of intervention undertaken	Number s under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
In-situ moisture conservation practices				M	F	M	F	M	F	M	F	T	
Bund strengthening in paddy	4	4	5	1				3		4		4	
Land leveling of paddy field	4	4	2	1				3		4		4	
Plastic Mulching in Okra	10	10	8						2	8		10	
Straw Mulching in Bitter guard	6	6	0.60					6		6		6	
Straw Mulching in Cauliflower	6	6	0.5	1				5				6	
Conservation tillage where appropriate													
Use of Rotavator in paddy field prep.	5	5	2.5					4		4		5	
Zero Tillage Technology, wheat	20	20	16.25	2				14	4	16	4	20	
Happy Seeder, Wheat HD 2967	7	7	4					7		7		7	
Water harvesting and recycling for supplemental irrigation													
8 Pond Renovation	8	76	25	12								76	
Construction of 8 Check dam	8	135	70	28	5			106	10	68	15	135	
Construction and use of 10 miniature pond in paddy fields	10	10	1.32					10		10		10	
Ground water recharge													
Renovation of 3 open wells	3	3	3					3		3		3	
Micro irrigation systems													
Sprinkler System in Wheat	1	4	6					4		4		4	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC	ST			Other		Total			
		M	F	M	F	M	F	M	F	T	
Advancement of planting dates of rabi crops in areas with terminal heat stress											
Low water requiring crop Wheat var. Sabour Nirjal	5.2	3				11	4	14	3	18	
Elephant Footyam(var. R.	6.25	4				26	2	30	2	34	

Sonia)											
Lentil (var.HUL-57)	15	10	5			40	8	50	13	63	
Chickpea(VAR.GCP-105)	6.25	5	4			26	6	31	10	41	
Coriander(Var. P. Haritima)	3.0	5				7	6	12	6	18	
Fenugreek(var. R. Kanti)	0.8	2				6	2	8	2	10	
Contingency crop planning											
Pegeonpea as alternate crop for uplands(var.Bahar)	5.0	2	2			8	3	10	5	15	
Maize(var.saktiman-5)	3.75	2				6	1	8	1	9	
Crop diversification Turmeric(var.R.Sonia)	0.6	4	2			12	4	16	6	22	
Drought tolerant varieties											
short duration, drought tolerant paddy(var. Susksamrat)	0.6	1				5		6		6	
short duration, drought tolerant paddy(var. SwarnaSreya)	0.6	2				4		6		6	
short duration, drought tolerant paddy(var.Sahbhagi)	42	15	5			30	8	45	13	58	
Location specific intercropping systems with high sustainable yield index											
Linseed (5%) + Chickpea (95%)	12	3				12	5	17	3	20	
Lentil (80%) + Mustard (20%)	15	8	1			20	3	28	4	32	
Chickpea (80%)+ Coriander(20%)	14	5				25	6	30	6	36	
Water saving paddy cultivation methods (SRI, aerobic, direct seedingvar. Prabhat,Sahbhagi)	4	2				10		12		12	
Community Nursery for delayed monsoon											
Use of pond Water (Paddy Var. R.Sweta, Sahabhagi, chandan. Komal)	2.75	5	4			28	8	33	16	45	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Are a (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Animal health check up camp	82	82	65	10	5			52	15	62	20	82	
Breed up gradation	66	66	54	8	4			45	9	53	13	66	
De-worming in livestock	106	106	90	18	6			72	10	90	16	106	
Improved shelters for reducing heat stress in livestock													
Insurance coverage for livestock	15		14	2				9	4	11	4	15	
Lively hood security													
Mitigation of mineral deficiencies in animals	74		70	12	4			45	13	57	17	74	
Popularization of backyard poultry	80		4	15	5			54	6	69	11	80	
Popularization of duck farming	20		4	4				16		20		20	
Preventive vaccination	140		90									140	
Management of fish ponds/ tanks during water scarcity and excess water	0.2		1									0.2	
Other intervention (pl specify)													
Hygienic Milk production	35		15	5				24	6	29	6	35	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Climate literacy through a village level weather station	1	95	20	4			73	11	93	15	108	
Mechanization through custom hiring for timely planting	12	25.5	3				21	2			26	
Fodder bank	1	0.6	4	2			26	6	30	8	38	
Seed bank	1	0.4									14	
Community nursery	6	2.75	5	4			28	8	33	16	45	
Nutritional garden	14	0.2	2	1			7	4	9	5	14	
Community irrigation	6	19									17	
Fruit Plant	300	300	55	40			135	72	190	102	300	
Kisan Mela	1	335	60	53			142	80	202	113	335	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
use of metallic bin for scientific grain storage	1		1			11		11	1	12
Fruit preservation technique	1					17	1	17	1	18
Mushroom production technology	1	1	1			9		10	1	11
Nutritional gardening	1	2	1			13		15	1	16

Ragi preparation	1	2				18	1	20	1	21
Disease management of livestock	1	2	1			12	3	14	4	18
Green fodder management	1	2	2			10	3	12	5	17
Clean milk production	1	1	1			9	2	10	3	13
Livestock management for income generation	1	60	53			142	80	202	113	335

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Exposure visit of farmers	2					6				6
Integrated farming system	1					1				1
Field days	3					22		22		
Agro advisory Services	4	15	5			54	6	69	11	80
Method demonstrations	9									
Awareness										
Farmers day	1									
Campaign (swachhta)	1									
Popular extension literature										
Animal Health Camp	2									
KishanGosthi	1	60	53			142	80	202	113	335
Woman health and nutrition										
NICRA Review Workshop at Supaul, Review Workshop at CRIDA hydrabad	2					1	1	1	1	2
Scientist visit to field	6									

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
1					

Award received by Farmers from the KVK district

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

1	Ist Prize in Flower Garland Making	Sri Umesh Bhagat	2019-20	State level Flower Exhibition, Patna		State level Flower Exhibition, Gyan Bhawan, Patna, 06-08 Feb. 2020
2	Ist prize in White melon (Bhatua)	Prabhat Kumar (Guddu Kr.)	2019-20	State level Vegetable Exhibition cum Competition Patna		State level Vegetable Exhibition cum Competition Patna, 17-19 Jan 2020
3	3rd prize in Bitter Gourd	Prabhat Kumar (Guddu Kr.)	2019-20	State level Vegetable Exhibition cum Competition Patna		State level Vegetable Exhibition cum Competition Patna, 17-19 Jan 2020

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Gandhar Agrotech farmers producer company limited			Need based / Demand of rabi and Kharif seed	paddy ,wheat , lantil chickpea, seed and fertilizer	156		Timely available of seed and fertilizers for farmers.
2	Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad			Production and marketing of agriculture and allied products	paddy ,wheat , lantil chickpea, seed and poultry	250		
3	Pragatishil Kisan Club, Safepur		150212454, NABARD				0.05	
4	Maa kali Krishak Club, Rampur Charue		150212453, NABARD				0.05	
5	Pragatishee IKisan Club,		150212443, NABARD				0.05	

	Jaikishunbi gha							
6	Pragatishee IKrishak Club, Keshopur		150212431, NABARD				0.05	

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 adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Goat farming	- Stall feeding - Control kid mortality - Deworming & vaccination	525000 per year	35 (Goat No. 20-50)	
2	Poultry farming	- Backyard poultry farming - Egg & meal purpose i.e. Jharsim, vanaraja & rampriya	45000 per year	65 (Poultry No. 50-100)	

3	Dairy farming	• tail to tail housing system • Control of heat stress • Regular deworming & vaccination • Computation of ration (Feed block & UMMB)	510000 per year	75 (10-20 cows)	
4	Fish farming	• IFS model • Fish rearing	600000 per year	90	
5	Mushroom production	• Spawn production, • Mushroom marketing, • processing of mushroom, • Preservation of mushroom as pickles, dry power	100000 unit/yr	80	

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

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

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

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

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

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17	Bee keeper	Dr. Wajidhasan			20	Y	127130.00
	Broiler poultry farm worker	Dr. Dinesh mahto	06.02.2017	28.03.2017	20	Y	152114.00
2017-18	Pesticides & fertilizer applicator (BSDM)	Sri Ajit Kumar Paswan	15.12.2017	19.01.2018	30	Y	
2018-19	Mushroom Grower	Dr. Shobha Rani, Sri Kundan Kumar Sri ,Ramlakhan Thakur,	22.11.2018	16.12.2018	20	Y	165185.00
2018	Dairy farmer	Dr. Dinesh mahto	16.11.2018	10.12.2018	20	Y	154046.00
2018	Mushroom Grower (BSDM)	Dr. Shobha Rani, Sri Kundan Kumar, Sri ,Ramlakhan Thakur,	15.02.2019	26.03.2019	30	Y	
2018	Bee keeper (BSDM)	Dr. WajidHasan	01.03.2019	02.04.2019	25	Y	

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Mushroom Grower (BSDM)	Mushroom Grower	240	3	2	0	0	24	1	27	3	30	314214.0
Bee keeper (BSDM)	Bee keeper	240	2	1	0	0	19	3	21	4	24	155411.0

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

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

22. Information on KrishiKalyanAbhiyan Phase- I/ Phase-II/ Phase-III, if applicable: NA

KrishiKalyanAbhiyan- I and II

A. Training

[illegible]

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

[illegible]

C. Livestock and Fishery related activities

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

D. Other activities

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

KrishiKalyanAbhiyan- III

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

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

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


