

PPROFORMA FOR ANNUAL REPORT 2020(1st January-31st December2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Gandhar, Jehanabad (Bihar), PIN-804432	9431479522	-	jeahanabadkvk@gmail.com

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
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	jeahanabadkvk@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 2020)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1.	Senior Scientist& Head	Dr. (Mrs.) Shobha Rani	Sr. Scientist & Head	Home Science	37000-67000 GP- 9000 Basic- 53820	15.05.2012	Permanent	Gen
2.	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Animal Science	15600-39100 GP- 5400 Basic- 26620	16.04.2012	Permanent	Gen
3.	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Agril. Engg.	15600-39100 GP- 6000 Basic- 33620	12.11.2007	Permanent	BC
4.	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Entomology	15600-39100 GP- 5400 Basic- 26620	16.04.2012	Permanent	Gen
5.	Subject Matter Specialist	Sri Ajit Kumar Paswan	Subject Matter Specialist	Agronomy	15600-39100 GP- 5400 Basic- 26620	19.04.2012	Permanent	SC
6.	Subject Matter Specialist	-	-	-	-	-	-	-
7.	Subject Matter Specialist	-	-	-	-	-	-	-
8.	Programme Assistant	-	-	-	-	-	-	-
9.	Computer Programmer	Manoj Kumar	Programme Assistant (Comp.)	-	9300- 34800 GP- 4200, Basic- 16630	13.05.2013	Permanent	Gen
10.	Farm Manager	Ram lakhan Thakur	Farm Manager	-	9300- 34800 GP- 4200, Basic- 17130	26.10.2012	Permanent	EBC
11.	Accountant / Superintendent	Dhananjay Kumar	Assistant	-	9300- 34800 GP- 4200, Basic- 16630	15.04.2013	Permanent	Gen
12.	Stenographer	Abhay Kumar	Stenographer	-	5200- 20200, GP- 2400, Basic- 14610	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- 9830	18.05.15	Permanent	EBC
15.	Supporting staff	-	-	-	-	-	-	-
16.	Supporting staff	-	-	-	-	-	-	-

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:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					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	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	13253	Functional
Motor bike, BR01CR 8039	2015-16	60000	12604	Functional
Bolero BR 25 P 8971	2018-19	674299.82	51077	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 corcking 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 cushion)	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 Fama 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.	15.10.2020	30	Soil test should be conducted for crop related demonstrations, OFT	Being followed	
2			ICAR calendar January to December should be followed	Being followed	
3			Decision taken in last SAC meeting should be presented first	Presentation will be made accordingly	
4			SAC recommendations should be sent to SAC members officially.	Followed	
5			Use of power sprayer instead of manual sprayer in spray nozzle based OFT	In process	
6			BSDM skill training postponed during lockdown period should be started as earliest	BSDM training postponed during lockdown period have been completed	
7			Action plans on OFT Agril. Engg discipline for Rabi 2020-21 should be send to ATARI, Patna for finalization	Action plans on OFT Agril. Engg discipline has been sent and approved by ATARI, Patna	
8			Effort should be made for promotion of FPO in the district	Being done	
9			Five villages should be selected under Climate Resilient Agriculture programme	Five villages have been selected and demonstration are being carried out under CRA programme	
10			Training on zero tillage technology should be conducted	Trainings on zero tillage technology are being conducted	
11			Crop Cafeteria should be established in KVK farm.	Crop Cafeteria of wheat and paddy have been established in KVK instructional farm	
12			Training and field visit of CRA technologies	Being followed	

			to extension functionaries of district agriculture department.		
13			JEEVIKA members of district should be aware about the agricultural technologies.	In process	

** 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 (2020)

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 (2020)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	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	Khalipur	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.		Modanganj	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 Baffaloes	Water conservation, IPM, livestock management, Farm implement, IPM, Dairy
8		Modanganj	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	Tulsipur	Paddy, wheat, pulses, oilseed	Wheat sowing in residual moisture , use of ZT	Improved farm implement for resource conservation(by zero tillage)
11		Modanganj	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		Modanganj	Anatpur	Paddy, wheat, pulses, oilseed	Onion thrips, INM in Chickpea	IPM, INM
14		Modanganj	Gandhar	Paddy, wheat, pulses, oilseed	Onion thrips, FLD on paddy variety	IPM, Varietal evaluation
15		Kako	Khalispur	Paddy, wheat, pulses, oilseed	Onion thrips	IPM
16		Ghosi	Dehuni	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea	IPM
17		Modanganj	Mustafapur	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea	IPM
18		Kako	Dharampur	Paddy, wheat, pulses, oilseed	Helicoverpa in Chickpea, INM in Chickpea, Use of Adimon drug in Poultry bird	IPM, INM, Poultry management
19		Kako	Bhelawar	Paddy, wheat, pulses, oilseed, livestock	Use of Adimon drug in Poultry bird	Poultry management
20		Ghosi	Sripur	Paddy, wheat, pulses, oilseed, livestock	Use of Adimon drug in Poultry bird	Poultry management
21		Modanganj	Dhobari	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt
22		Kako	Ghatkan	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt
23		Modanganj	Mainamath	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes	Dairy disease mangt

24		Ghosi	Maulabigha	Paddy, wheat, pulses, oilseed, livestock	Heat stress in Buffaloes, use of proper Spray nozzle in paddy	Dairy disease mangt, improved implement
25		Modanganj	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
26		Modanganj	Milkipar	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
27		Modanganj	Arhit	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
28		Modanganj	Manibigha	Paddy, wheat, pulses, oilseed	FLD on DSR	RCT
29		Ghosi	Baram Sarai	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
30		Ghosi	Bhadseri	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
31		Hulasganj	Tirra	Paddy, wheat, pulses, oilseed	FLD on paddy variety	Varietal evaluation
32		Kako	Nonhi	Paddy, wheat, pulses, oilseed	FLD on paddy variety, heat stress in Buffaloes	Varietal evaluation, Dairy disease mangt
33		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
34		Modanganj	Dhamapur	Paddy, wheat, pulses	CFLD on chickpea	Resource conservation
35		Makhdumpur	Dharaut	Paddy, wheat, pulses, oilseed, poultry	Insect-pest management in different crops, improved varieties of different crops	Poultry management, vermi compost
36		Kako	Afjalpur	Paddy, wheat, pulses	CFLD ,Lentil variety, training	Pulse cultivation
37		Modanganj	Mustafapur	Paddy, wheat, pulses, oilseed	CFLD on pulses and oilseed, IPM in vegetable	Pulse cultivation, IPM
38		Jehanabad	Kumbhwa	Paddy, wheat, pulses, oilseed	CFLD on pulses and oilseed, Mushroom	Pulse cultivation, Mushroom production
39		Modanganj	Mananpur	Paddy, wheat, pulses	CFLD on oilseed, pulses	Pulse, oilseed cultivation, RCT

40		Jehanabad	Muther	Paddy, wheat, pulses	Goat farming, RCT	RCT, Goat Farming
41		Modanganj	Rukanpura	Paddy, wheat, pulses, oilseed, spice, Livestock	Dairy management, Spices (Turmeric cultivation)	Dairy management, Spices cultivation
42		Hulasganj	Sarma	Paddy, wheat, pulses, oilseed	OFT, FLD	RCT
43		Hulasganj	Ginji	Paddy, wheat, pulses, oilseed	OFT, FLD	RCT

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2020) for its development and action plan

Name of village	Block	Action taken for development
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 runnung, 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
Khalisapur	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
Waina	Modanganj	CRAP
Korma	Ghosi	CRAP
Chhapanna	Ghosi	CRAP

Pariyama	Modanganj	CRAP
Mananpur	Modanganj	CRAP

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. Summary details of target and achievement of mandatory activities by KVK during the year 2020

OFT												FLD											
No. of technologies tested:												No. of technologies demonstrated:											
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
8	12	110	10	0	0	0	122	1	132	1	133	10	10	180	24	6	0	0	139	11	163	17	180

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
150	124	3000	353	178	0	0	2364	328	2721	507	3228	5000	9627	7000	890	106	0	0	8667	774	9557	1839	10437

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
150	124	150	62	0	0	1012	59	1062	122	1084	5000	9627	116	42	0	0	390	110	152	506	658

Seed production (q)					Planting material (in Lakh)				
Target		Achievement			Target		Achievement		
450		478			0.01770		0.01770		

Livestock strains and fish fingerlings produced (in lakh)*					Soil, water, plant, manures samples tested (in lakh)				
Target		Achievement			Target		Achievement		
-		-			200		117		

* 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	6		6	8.8	5	-	-
Seminar/conference/ symposia papers	6						
Books	1						
Bulletins	6						
News letter	4						
Popular Articles	2						
Book Chapter	2						
Extension Pamphlets/ literature	5						
Technical reports	4						
Electronic Publication (CD/DVD etc)							
TOTAL							

3.1.1 Achievements on technologies assessed and refined

OFT 1: Agronomy (Ist yr.)

1.	Title of On Farm Trial	To access the suitable resource conservation technology for paddy establishment in south Bihar
2.	Problem diagnose	High labour intensive technology & and high cost of production
3.	Details of technologies selected for assessment/refinement	Farmers Practice : Transplanting 30days old seedling Technical Option 1: Direct seeding of Paddy in stale bed condition Technical Option 2: Direct seeding of Paddy in zero till condition
4.	Source of Technology	B.A.U. Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Wheat cropping system and RCT
6.	Performance of the Technology with performance indicators Technical Indicator Economic Indicator	Yield and Yield Attributes i) Cost of Cultivation ii) Net Return iii) Cost benefit ratio
7.	Final recommendation for micro level situation	TO ₃ (Direct seeding of Paddy in zero till condition) may be recommended for the farmers of Jehanabad district of Bihar.
8.	Constraints identified and feedback for research	Less mechanization
9.	Process of farmers participation and their reaction	Farmers actively participated through training and field visit..

Thematic area: RCT

Problem definition: High labour intensive technology & and high cost of production

Technology assessed:

Farmers Practice : Transplanting 30days old seedling

Technical Option 1: Direct seeding of Paddy in stale bed condition

Technical Option 2: Direct seeding of Paddy in zero till condition

Table:

Technology option	No. of trials	Yield components			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/sq m	Panicle length (cm)	Test wt. (1000 grain wt.) gm						
Farmer Practice: Transplanting 30days old seedling	08	370	22.46	37	-	41.88	36800	71196	34396	1.93
Direct seeding of Paddy in stale bed condition	08	355	21.4	37	-	36.8	35500	62560	27060	1.76
Direct seeding of Paddy in zero till condition	08	385	22	37	-	40.9	33500	69530	35030	2.07

Results: Results reveal that the (Farmer Practice) TO₁ gave highest yield 41.88 q/ha with B:C ratio (1:1.93) followed by TO₃ with yield 40.9 q/ha and highest B:C ratio(1:2.07). The lowest yield 36.8 q/ha was observed of TO₂ with the lowest B:C ratio 1.76. Therefore, TO₃ may be recommended for the farmers of Jehanabad district of Bihar.

OFT-2 Agronomy (1st yr.)

1.	Title of On farm Trial	Assessment of integrated nutrient management in chickpea
2.	Problem diagnose	Low yield of chickpea due to imbalanced/indiscriminate use of nutrients
3.	Details of technologies selected for assessment/refinement	Technology options: T1: Farmer Practice – NPK@18:46:0 kg/ha T2: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation T3: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .
4.	Source of Technology	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Gram, Thematic area-INM
6.	Performance of the Technology with performance indicators Technical Indicator Economic Indicator	Yield and Yield Attributes i) Cost of Cultivation ii) Net Return iii) Cost benefit ratio
7.	Final recommendation for micro level situation	Use of bio-fertilizers along with normal recommended dose of fertilizers results in 11.25% of yield increment and it can be recommended for the farmers of Jehanabad district.
8.	Constraints identified and feedback for research	Lack of multi crop seeder machine.
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Thematic area: INM

Problem definition: Low yield of chickpea due to imbalanced/indiscriminate use of nutrients

Technology options:

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

T2: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation

T3: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .

Table2: Economics:

Technology option	No. of trials	Yield (q/ha)	Percent increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice : NPK@18:46:0 kg/ha	07	12.5	-	30600	75000.	44400	2.45
Technical Option 1: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation	07	13.9	11.25%	30920	83400	52480	2.69
Technical Option 2: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .	07	8.4	-32.8%	25880	50400@Rs 60/kg.	24520	1.94

Results: -

Results revealed that the highest return was found in TO1 as 13.9 q yield from a one hectare area with 2.69 BC ratio, followed by Farmers practice as yield 12.5 q/ha. Use of bio-fertilizers along with normal recommended dose of fertilizers results in 11.25% of yield increment and it can be recommended for the farmers of Jehanabad district.

OFT 1: Agronomy (IInd yr. Kharif 2020)

1.	Title of On Farm Trial	To access the suitable resource conservation technology for paddy establishment in south Bihar
2.	Problem diagnose	High labour intensive technology & and high cost of production
3.	Details of technologies selected for assessment/refinement	Farmers Practice : Transplanting 30days old seedling Technical Option 1: Direct seeding of Paddy in stale bed condition Technical Option 2: Direct seeding of Paddy in zero till condition
4.	Source of Technology	B.A.U. Sabour,Bhagalpur
5.	Production system and thematic area	Rice-Wheat cropping system and RCT
6.	Performance of the Technology with performance indicators Technical Indicator Economic Indicator	Yield and Yield Attributes i) Cost of Cultivation ii) Net Return iii) Cost benefit ratio
7.	Final recommendation for micro level situation	TO ₂ (Direct seeding of Paddy in zero till condition) may be recommended for the farmers of Jehanabad district of Bihar.
8.	Constraints identified and feedback for research	Less mechanization
9.	Process of farmers participation and their reaction	Farmers actively participated through training and field visit..

Thematic area: RCT

Problem definition: High labour intensive technology & and high cost of production

Technology assessed:

Farmers Practice : Transplanting 30days old seedling

Technical Option 1: Direct seeding of Paddy in stale bed condition

Technical Option 2: Direct seeding of Paddy in zero till condition

Table:

Technology option	No. of trials	Yield components			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/sq m	Panicle length (cm)	Test wt. (1000 grain wt.) gm						
Farmer Practice: Transplanting 30days old seedling	08	330	22.6	38	-	43	38600	77400	40600	2.0
Direct seeding of Paddy in stale bed condition TO ₁	08	314	21.4	38	-	39.2	35500	70560	36500	1.98
Direct seeding of Paddy in zero till condition TO ₂	08	350	22	38	-	41.8	32900	75240	43820	2.2

Results: Results reveal that the (Farmer Practice) gave highest yield 43 q/ha with B:C ratio (1:2.0) followed by TO₂ with yield 41.8 q/ha and highest B:C ratio(1:2.2). The lowest yield 39.2 q/ha was observed of TO₂ with the lowest B:C ratio (1:1.98). Therefore, TO₂ may be recommended for the farmers of Jehanabad district of Bihar.

OFT-2 Agronomy (II nd yr. Rabi 2020-21)

1.	Title of On farm Trial	Assessment of integrated nutrient management in chickpea
2.	Problem diagnose	Low yield of chickpea due to imbalanced/indiscriminate use of nutrients
3.	Details of technologies selected for assessment/refinement	Technology options: T1: Farmer Practice – NPK@18:46:0 kg/ha T2: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation T3: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .
4.	Source of Technology	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Gram, Thematic area-INM
6.	Performance of the Technology with performance indicators Technical Indicator Economic Indicator	Yield and Yield Attributes i) Cost of Cultivation ii) Net Return iii) Cost benefit ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Lack of multi crop seeder machine.
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Thematic area: INM

Problem definition: Low yield of chickpea due to imbalanced/indiscriminate use of nutrients

Technology options:

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

T2: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation

T3: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .

Table2: Economics:

Technology option	No. of trials	Yield (q/ha)	Percent increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice : NPK@18:46:0 kg/ha	08						
Technical Option 1: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation	08						
Technical Option 2: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .	08						

Results: -

OFT 3: Agronomy (Kharif 2020)

1.	Title of On Farm Trial	Head to head trials for the dtress tolerant varieties to evaluate their genetic potential
2.	Problem diagnose	Low yielding varieties exist at farmers level
3.	Details of technologies selected for assessment/refinement	Technology options: T1: Farmer Practice – T2: NPK@18:46:0 Kg/ha +PSB @ 20g/kg seed +Rhizobium @20g/kg seed as seed inoculation T3: Rhizobium @20g/kg seed +PSB @ 20g/kg seed as seed inoculation .
4.	Source of Technology	IRRI
5.	Production system and thematic area	Rice-Wheat cropping system
	Performance of the Technology with performance indicators Technical Indicator Economic Indicator	Yield and Yield Attributes

Thematic area: RCT

Problem definition: Low yielding varieties exist at farmers level

Technology:

Demo variety	Farmers variety
Rejendra Sweta	Komal
Rejendra Sweta	Arize 6444
Swarna Samridhi	Laxmi Gold
Swarna Sreya	Laxmi Gold
Sabour Harshit	Komal
DDR-44	Komal
Swarna Sreya	Super Moti
Swarna Shakti Dhan	Sonam
Sabour Harshit	Laxmi Gold
DDR-44	Sonam
Swarna Shakti Dhan	Sonam
Sabour Shree	Rajendra Mahsuri
Sabour Shree	Arize 6444
Rajendra Bhagwati	Komal
Samba Sub-1	Arize 6444
Rajendra Bhagwati	PAN 831
Rajendra Bhagwati	Arize 6444
Rejendra Sweta	Arize 6444
Swarna Samridhi	Sabour Ardhajal
Samba Sub-1	Damini
Swarna Samridhi	Super Moti
Swarna Samridhi	Super Moti
Swarna Samridhi	Sabour Ardhajal
Swarna Sub-1	PAN 831
Swarna Sub-1	Laxmi Gold
DDR-44	Laxmi Gold
Samba Sub-1	Arize 6444
Sabour Shree	MTU7029
Sabour Sampanna	MTU7029
Samba Sub-1	MTU7029
Swarna Shakti Dhan	Sita
Swarna Shakti Dhan	Komal
Swarna Shakti Dhan	Katarni
Swarna Sreya	Katarni
Swarna Sreya	Laxmi Gold
Swarna Sreya	Komal
Swarna Sub-1	Arize 6444
Sabour Harshit	PAN 831

Table: Head to head trial data, KVK Jehanabad, Kharif season 2020

S. No.	Farmer name	Village	Block	Demo variety	Transplanting date	No of irrigation	Plant height (cm)	No of tiller/hill	No of grains/panicle	Yield (t/ha)	Farmers variety	Transplanting date	No of irrigation	Plant height (cm)	No of tiller	No of grains/panicle	Yield (t/ha)
1	Yogendra Sharma	Gandhar	Modanganj	Rejendra Sweta	19.7.20	1	125.5	18	213	5.3	Komal	19.7.20	1	116	14	168	4
2	Sudhansu Kumar	Anantpur	Modanganj	Rejendra Sweta	24.7.20	2	128	16	205	5.2	Arize 6444	24.7.20	2	126	20	210	5.2
3	Albela Prasad	Korma	Ghoshi	Swarna Samridhi	14.7.20	0	114.6	23	191	4.6	Laxmi Gold	14.7.20	0	123.5	19	207	4.7
4	Avinash Kumar	Korma	Ghoshi	Swarna Sreya	12.7.20	1	124.2	16	159	3.38	Laxmi Gold	12.7.20	1	125	15	166	3.4
5	Surendra Prasad	Korma	Ghoshi	Sabour Harshit	14.7.20	1	128.4	15	214	4.5	Komal	14.7.20	1	127.5	11	159	3.5
6	Sailendra Prasad	Milkiper	Modanganj	DDR-44	23.7.20	0	117.6	16	110	4.25	Komal	23.7.20	0	126	15	141	4
7	Surendra yadav	Milkiper	Modanganj	Swarna Sreya	23.7.20	0	128	14	166	3.29	Super Moti	23.7.20	0	128.5	20	154	3.6
8	Deepak Ray	Milkiper	Modanganj	Swarna Shakti Dhan	26.7.20	0	121.5	19	120	4.2	Sonam	26.7.20	0	124	15	161	3.9
9	Gajendra Kumar	Milkiper	Modanganj	Sabour Harshit	25.7.20	0	123	18	222	5	Laxmi Gold	25.7.20	0	122.5	14	164	3
10	Bhupendra Kumar	Milkiper	Modanganj	DDR-44	21.7.20	0	119	19	101	4.46	Sonam	21.7.20	0	128	15	150	3.8
11	Akhilesh Prasad	Milkiper	Modanganj	Swarna Shakti Dhan	24.7.20	1	114	15	127	4.88	Sonam	24.7.20	1	125.5	12	146	4
12	Bijay Prasad	Modanganj	Modanganj	Sabour Shree	12.7.20	2	121.4	24	238	6.04	Rajendra Mahsuri	12.7.20	2	132	18	230	5.8
13	Umesh Prasad	Mustafapur	Modanganj	Sabour Shree	10.7.20	0	116.5	28	249	6.2	Arize 6444	10.7.20	0	126.5	17	211	5.5
14	Gajadhar Sharma	Gandhar	Modanganj	Rajendra Bhagwati	20.7.20	0	118.8	12	191	4.4	Komal	20.7.20	0	127	13	149	4
15	Arvind yadav	Mustafapur	Modanganj	Samba Sub-1	12.7.20	2	122	21	228	5.66	Arize 6444	12.7.20	2	129	18	213	5.2
16	Sachidanand Sinha	Safepur	Kako	Rajendra Bhagwati	23.7.20	0	120	15	186	4.68	PAN 831	23.7.20	0	121.5	13	177	4
17	Pankaj Kumar	Rajabigha	Makhdumpur	Rajendra Bhagwati	21.7.20	0	125.7	13	193	4.33	Arize 6444	21.7.20	0	124.5	15	205	4.9
18	Binod Kumar	Bandhuganj	Modanganj	Rejendra Sweta	16.7.20	1	124	16	210	5.3	Arize 6444	16.7.20	1	126.5	17	208	5.4

19	Madheswar Prasad	Mustafapur	Modanganj	Swarna Samridhi	22.7.20	1	112.5	17	186	4.98	Sabour Ardhajal	22.7.20	1	125	14	165	4.2
20	Karmachari Chaudhary	Mustafapur	Modanganj	Samba Sub-1	13.7.20	1	117.6	20	213	5.3	Damini	13.7.20	1	118	17	170	4
21	Chandan Kumar	Mustafapur	Modanganj	Swarna Samridhi	22.7.20	2	108	27	202	5.04	Super Moti	22.7.20	2	115	19	168	4.5
22	Deepak Kumar	Mustafapur	Modanganj	Swarna Samridhi	21.7.20	2	117	27	198	4.4	Super Moti	21.7.20	2	123	16	158	4.6
23	Sujeet Kumar	Mustafapur	Modanganj	Swarna Samridhi	22.7.20	1	115.5	25	189	4.6	Sabour Ardhajal	22.7.20	1	127	14	161	4.4
24	Raushan Kumar	Kisrampur	Modanganj	Swarna Sub-1	14.7.20	2	113	21	209	4.75	PAN 831	14.7.20	2	123.5	15	191	4
25	Nitish Kumar	Mustafapur	Modanganj	Swarna Sub-1	12.7.20	2	111	16	217	4.95	Laxmi Gold	12.7.20	2	122	13	169	3.3
26	Uday Kumar	Mustafapur	Modanganj	DDR-44	25.7.20	1	113.8	13	98	3.98	Laxmi Gold	25.7.20	1	130	17	148	3.8
27	Putush Kumar	Mustafapur	Modanganj	Samba Sub-1	15.7.20	1	120	16	219	4.9	Arize 6444	15.7.20	1	126	17	156	5.3
28	Sudhir Chaudhary	Mustafapur	Modanganj	Sabour Shree	13.7.20	1	114.4	19	232	5.88	MTU7029	13.7.20	1	112	20	200	5.7
29	Krishna Prasad	Mustafapur	Modanganj	Sabour Sampanna	20.7.20	2	130	25	216	4.8	MTU7029	20.7.20	2	113	22	222	6.2
30	Yogendra Kumar Saxena	Manibigha	Modanganj	Samba Sub-1	18.7.20	1	124	18	223	5.5	MTU7029	18.7.20	1	115	19	175	5.8
31	Arun Kumar	Mustafapur	Modanganj	Swarna Shakti Dhan	27.7.20	0	118.2	14	122	4.5	Sita	27.7.20	0	116	13	151	4.1
32	Murty Devi	Mustafapur	Modanganj	Swarna Shakti Dhan	27.7.20	0	115.5	16	126	4.15	Komal	27.7.20	0	130.5	13	158	4.4
33	Anil Kumar	Kisrampur	Modanganj	Swarna Shakti Dhan	25.7.20	1	119	16	120	4.6	Katarni	25.7.20	1	128	14	140	3.8
34	Mahendra Prasad	Manibigha	Modanganj	Swarna Sreya	22.7.20	0	126.6	12	154	3.6	Katarni	22.7.20	0	126	17	147	3.6
35	Sangita Devi	Sahpur	Ghoshi	Swarna Sreya	20.7.20	1	123	15	160	3.57	Laxmi Gold	20.7.20	1	120.5	14	168	3.7
36	Saurabh Kumar	Sahpur	Ghoshi	Swarna Sreya	20.7.20	0	131	12	158	4.2	Komal	20.7.20	0	128	11	141	3.6
37	Jitendra Kumar	Mustafapur	Modanganj	Swarna Sub-1	10.7.20	2	122.5	21	256	6.2	Arize 6444	10.7.20	2	126.5	19	156	5.8
38	Balmiki yadav	Mustafapur	Modanganj	Sabour Harshit	19.7.20	1	131	14	218	4.78	PAN 831	19.7.20	1	127	14	146	4.2

Results:

OFT-4 Entomology

1.	Title of On farm Trial	Ecofriendly Management of pod borer, <i>H. armigera</i> in chickpea
2.	Problem diagnose	<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	Technical Option 01 : Farmer practices (Chlorpyrifos 20 EC @ 1500ml/ha) Technical Option 02 : Erect Bird perches @40/ha+ Pheromone trap @20/ha Technical Option 03: Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation
4.	Source of Technology	NCIPM, New Delhi
5.	Production system and thematic area	Rice-Chickpea Integrated Pest Management
6.	Performance of the Technology with performance indicators	The infestation of <i>Helicoverpa</i> is reduced and increase yield marginally.
7.	Final recommendation for micro level situation	For Ecofriendly Management of pod borer, <i>H. armigera</i> in chickpea the technology Erect Bird perches @40/ha+ Pheromone trap @20/ha and Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation is recommended .
8.	Constraints identified and feedback for research	Assessment of other bio pesticides
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Thematic area: Integrated Pest Management

Problem definition:

Helicoverpa armigera(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

Technology assessed:

Technical Option 01 : Farmer practices (Chlorpyrifos 20 EC @ 1500ml/ha)

Technical Option 02 : Erect Bird perches @40/ha+ Pheromone trap @20/ha

Technical Option 03: Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation

Table: Economics

Technology option	No. of trials	Pod infestation (%)	Yield (q/ha)	Percent increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmer practices (Chlorpyrifos 20 EC @ 1500ml/ha)	8	12.55	14.71	-	31,000	71,711	40,711	2.31
Erect Bird perches @40/ha+ Pheromone trap @20/ha	8	11.14	14.88	1.7%	31,000	72,540	41,540	2.34
Two spray of azadirachtin 3000ppm @ 10 ml/ltr water	8	11.78	15.08	3.7%	31,000	73,515	42,515	2.37

Results: -

Results revealed that the higher yield of chickpea (15.09 q/ha) and 2.37 BC ratio with 11.78 per cent pod infestation were recorded in plots treated with Two spray of azadirachtin 3000ppm @ 10 ml/ltr water followed by plots treated with Erect Bird perches @40/ha+ Pheromone trap @20/ha the yield (14.88 q/ha) and 2.34 BC ratio with 11.14 per cent pod infestation observed. Whereas plots treated with Chlorpyrifos 20 EC @ 1500ml/ha the yield (14.71 q/ha) and 2.31 BC ratio with 12.55 per cent pod infestation were recorded.

Therefore it can be concluded that the Ecofriendly treatment (TO2 and TO3) treated plots produce marginally higher yield and reduce *Helicoverpa* infestation. For Ecofriendly Management of pod borer, *H. armigera* in chickpea the technology

Erect Bird perches @40/ha+ Pheromone trap @20/ha and Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formation is recommended.

OFT-5 Entomology

1.	Title of On farm Trial	Validation of IPM technology for onion thrips at Jehanabad
2.	Problem diagnose	<i>Trips 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	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 Azdiractin 3000ppm @ 10 ml/ltr water at 50 & 65 DAS with yellow sticky trap @ 50/ha
4.	Source of Technology	NCIPM, New Delhi
5.	Production system and thematic area	Rice-Onion Integrated Pest Management
6.	Performance of the Technology with performance indicators	The infestation of pest is reduced and increase yield marginally
7.	Final recommendation for micro level situation	Ecofriendly technology (Two spray of Azdiractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with yellow sticky trap @ 50/ha) for thrips management in Onion crops
8.	Constraints identified and feedback for research	Assessment of other IPM modules technologies

9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology
----	---	---

Thematic area: Integrated Pest Management

Problem definition: *Trips tabaci* causes significant yield loss and ability to transmit plant pathogens, and development of resistance to insecticides.

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 Azdiractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with yellow sticky trap @ 50/ha

Table Economics:

Technology option	No. of trials	% infestation	Yield (q/ha)	% increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmer practices (Acephate 20 SP @ 3 gm/ltr water)	8	33.8	190.0	-	75000	285000	285000	3.80
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	6.4	229.4	20.7	76000	344100	268100	4.53
Two spray of Azdiractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with yellow sticky trap @ 50/ha	8	7.7	230.3	21.2	76000	345450	269450	4.55

Results: -

Results revealed that the higher yield of onion (230.3 q/h), BC ration 4.55 with lowest thrips infestation (7.7%) were recoded from fields treated with Two spray of Azdiractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with yellow sticky trap @ 50/ha followed by fields treated with 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, onion yield was recorded 229.4 q/ha, BC ratio 4.53 with thrips infestation of 6.4 %. The lowest yields (190.0 q/ha), highest thrips infestation (33.8%) and lowest BC ration (3.80) were observed from treated plots with Farmer practices (Acephate 20 SP @ 3 gm/ltr water). Therefore it can be concluded that the technology option 1& 2 treated plots produce marginally higher yield and managed thrips infestation significantly. It is recommended that ecofriendly technology (Two spray of Azdiractin 3000ppm @ 10 ml/ltr water at 50 &65 DAS with yellow sticky trap @ 50/ha) for thrips management in Onion crops.

OFT-6: Agril. Engg. (Rabi 2019-2020)

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	Ploughing once by rotavator and sowing by seed drill (TO-II) performed best
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 Economics:

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
		Time taken in ploughing (hr/ha)	Time Saving (hr/ha)	Fuel consumed (l/ha)	Fuel saving (l/ha)					
TO-I: Ploughing three- four times by cultivator followed by planking and seed broadcasting (Farmers Practice)	07	24.0	-	84.0	-	35.8	34000	68915	34915	2.02
TO-II: Ploughing once by rotavator and sowing by seed drill	07	10.5	13.5	38.75	45.25	39.0	30715	75075	44360	2.44
TO-III:Ploughing once by cultivator and one pass of rotavator then sowing by seed drill	07	15.0	9.0	54.50	29.5	39.6	31845	76230	44385	2.39

Results: Results revealed that the higher yield of wheat (39.6 q/ha) and 2.39 B: C ratio was found in TOIII with fuel saving of 29.50 l/ha whereas plots of TO-II yielded 39.0 q/ha yield and B:C ratio 2.44 as compared to 35.8 q/ha yield with B:C ratio 2.02 in Farmer's practice plot.

OFT-7: Agril. Engg. (Kharif 2020)

1.	Title of On farm Trial	Assessment of fertilizer broadcaster machines for top dressing of Urea in rice
2.	Problem diagnose	Hand broadcasting of fertilizer is time and labour consuming and it results improper distribution and stripped broadcasting of fertilizer
3.	Details of technologies selected for assessment/refinement	Farmers Practice (FP): Hand broadcasting of recommended dose of Urea Technology option-I (TO-I): Use of fertilizer broadcaster with 2.5 m spacing between two passes for application of recommended dose of Urea Technology option-II (TO-II): Use of fertilizer broadcaster with alternate spacing of 2.5 m and 1.0 m between two passes for application of recommended dose of Urea
4.	Source of Technology	DRPCA, Pusa
5.	Production system and thematic area	Rice-Wheat, Repair & maintenance of farm machineries and implement
6.	Performance of the Technology with performance indicators	Field capacity, Time taken, Yield, B:C Ratio
7.	Final recommendation for micro level situation	Use of fertilizer broadcaster with alternate spacing of 2.5 m and 1.0 m between two passes for application of recommended dose of Urea
8.	Constraints identified and feedback for research	Lack of machine.
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Thematic area: Repair & maintenance of farm machineries and implement

Problem definition: Improper spreading of fertilizer results in poor spatial distribution of fertilizer over the crop if hand broadcasting method is applied

Hypothesis: Application efficacy increases with fertilizer broadcaster

Objective(s): Effective application of urea in rice

Technology assessed:

Farmers Practice (FP): Hand broadcasting of recommended dose of Urea

Technology option-I (TO-I): Use of fertilizer broadcaster with 2.5 m spacing between two passes for application of recommended dose of Urea

Technology option-II (TO-II): Use of fertilizer broadcaster with alternate spacing of 2.5 m and 1.0 m between two passes for application of recommended dose of Urea

Table Economics:

Technology option	No. of trials	Field Capacity (ha/hr)	Time taken (hr)	Yield (q/ha)	% increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice (FP): Hand broadcasting of recommended dose of Urea	8	0.3	3.3	41.5	-	37800	76775	38975	2.03
Technology option-I (TO-I): Use of fertilizer broadcaster with 2.5 m spacing between two passes for application of recommended dose of Urea	8	1.0	1.0	44.2	6.5	36800	81770	44970	2.22
Technology option-II (TO-II): Use of fertilizer broadcaster with alternate spacing of 2.5 m and 1.0 m between two passes for application of recommended dose of Urea	8	0.8	1.25	42.5	2.4	37200	78625	41425	2.11

OFT-8 Agril. Engg. (Rabi 2020-21)

10.	Title of On farm Trial	Assessment of different method of sowing in wheat for higher germination, growth and yield
11.	Problem diagnose	Poor germination despite of applying high seed rate by sowing of wheat through broadcasting method
12.	Details of technologies selected for assessment/refinement	Farmers Practice (FP): Broadcasting of wheat seed Technology option-I (TO-I): Line sowing of wheat behind plough Technology option-II (TO-II): Wheat sowing by seed cum fertilizer drill at sowing depth 4-5 cm Technology option-III (TO-III): Wheat sowing by zero till seed cum fertilizer drill at sowing depth 4-5 cm
13.	Source of Technology	CIAE, Bhopal, BAU, Sabour
14.	Production system and thematic area	Rice-Wheat, Repair & maintenance of farm machineries and implement
15.	Performance of the Technology with performance indicators	Soil moisture %, seed rate, plant density/sq. m, no. of tillers/heal, no. of spikes or ear/sq.m, no. of grains/ear or spikes, test weight of grain, Yield, Net return, B:C Ratio
16.	Final recommendation for micro level situation	continue
17.	Constraints identified and feedback for research	Lack of machine
18.	Process of farmers participation and their reaction	Actively participated

Thematic area: Repair & maintenance of farm machineries and implement

Problem definition: Poor germination and less yield is seen despite of using high seed rate due to non-uniform seed placement if broadcasting method is used

Hypothesis: Sowing by proper implement at proper depth will improve germination as well wheat yield

Objective(s): Wheat sowing by suitable method at proper depth by using improved implement for better germination, uniform seed placement and improved yield

Technology assessed:

Farmers Practice (FP): Broadcasting of wheat seed

Technology option-I (TO-I): Line sowing of wheat behind plough

Technology option-II (TO-II): Wheat sowing by seed cum fertilizer drill at sowing depth 4-5 cm

Technology option-III (TO-III): Wheat sowing by zero till seed cum fertilizer drill at sowing depth 4-5 cm

Table Economics:

Technology option	No. of trials	Seed Rate (Kg/ha)	Yield (q/ha)	% increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice (FP): Broadcasting of wheat seed	8	160						
Technology option-I (TO-I): Line sowing of wheat behind plough	8	120						
Technology option-II (TO-II): Wheat sowing by seed cum fertilizer drill at sowing depth 4-5 cm	8	100						
Technology option-III (TO-III): Wheat sowing by zero till seed cum fertilizer drill at sowing depth 4-5 cm	8	100						

Results: Continue

OFT-9. (Animal Sc. 2019-20)

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 Refined)	Supplementation of minerals and UMMB are improve growth & normal reproductive system in cattle
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 & Milk and Nutritional management
6.	Performance of the Technology with performance indicators	Effect of Climate (THI) Oestrus interval, Conception rate and milk production te
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

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.

Result table:

Technology option	No. of trials	Yield component Pre & Post treatments					Gross Cost of animals feeding /medicine /Mineral mixture (Rs.)	Gross return (Rs@1000 0/calf& Milk(60/lit)	Net return (Rs.)	B :C ratio
		Pre treatment	Post treatment	Occurrence of heat period	Conception rate (%)	Average Milk production				
		Irregular heat and Anoestrus	Oestrus occurrence	hours		Avg(Lit)				
Farmer practice: Fogger/mist fan Ceiling fans /wallowing / washing with water /Shed covered with curtains.	10	Anoestrus	3	24-26	+ve(2)20%	6.4	49300	135200	85900	2.7
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)30%	6.6	50635	148800	98165	2.9
II. Cheated Mineral mixture (Dose: 50gl/day for 30 days ,orally	10	Anoestrus	7	24-28	+ve(4)40%	7.4	50900	173200	122300	3.4
III: Ovsynch treatment protocol (D0: Buserelin 10 µg, D7 : PGF2α 500 µg; D9: Buserelin 10 µg, and D10: FTAI).	10	Anoestrus	8	24-25	+ve(5)50%	7.7	49711	188600	138889	3.7

Results: Ovsynch protocol (TO III) treatment is better than that of other groups due to more occurrences of oestrus (8/10), conception rate (50%) and milk production (7.7lit) along with B:C ratio (3.7).

OFT-10 (2019-20)

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 @12000/ 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) 20%	7.5	40850	91500	50650	2.2
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) 60%	8	40452	144000	103548	3.5
TO II: D0: GnRH (Buserelin)10µg; D7 : PGF2α (500 µg); D8 : Oestradiol /Diethylstilbestrol :10 mg; D10: Fixed time A.I.(Heat synch)	10	Post partum anoestrus	8	18-20	+ve(5) 50%	7.9	40447	131100	90653	3.2

Results: Ovsynch protocol (TO I) treatment is better than that of other groups due to more occurrences of oestrus(8/10) ,conception rate (60%)and milk production (8lit) along with B:C ratio (3.5).

OFT 11: Animal Science (2020-21)

1.	Title of On farm Trial	Efficacy of double injection buserelin in oestrus repeats breeding crossbred cows.
2.	Problem diagnosed	Hormonal Imbalance and delayed ovulation or anovulation
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>Guru Angad Dev Veterinary and Animal Sciences University, Ludhaina, Punjab 141 004 /ndia</i>
5.	Production system and thematic area	Calf production, Milk production & Disease management
6.	Performance of the Technology with performance indicators	Reproductive performance, conception rate ,Milk production and B:C ratio
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: Disease 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 (lit)	Net return (Rs.)	B :C ratio
		Repeat breeding cross bred cows	Occurrence of heat period	Insemination	Conceived	Average Milk production				
		Time	hours	Natural /AI		(Lit)				
Farmer practice : Dewormer (Fenbendazole 3g) and Mineral mixture	10	2 to 5	18-25	Inseminated	2 +ve					
TO I: Single injection):- injection Buserelin 20 µg (5 ml) I/M, 6 h before the AI.	10	2 to 5	18-25	Inseminated	4 +ve					
TO II: (Double injection):-1 st injection of Buserelin 20 µg (5 ml) I/M , 6 h before the AI and 2 nd on day 12 after last insemination..	10	2 to 5	18-25	Inseminated	5 +ve					

Results:CONTINUE

OFT-12 Animal Science (2020-21)

1.	Title of On farm Trial	Comparative study of sorted and non-sorted semen straw after AI in Heifer under field conditions.
2.	Problem diagnosed	Less used of Male calf and high demand of female calf
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).	NDRI, Karnal, Haryana. And Bodmer M ¹ , Janett F, Hässig M, den Daas N, Reichert P, Thun R, Theriogenology. 2005 Oct 15;64(7):1647-55
5.	Production system and thematic area	Desired sex (male or female Calf) and Milk production.
6.	Performance of the Technology with performance indicators	Conception rate, Desired sex (male or female Calf), Milk production. and 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	On farmers field and well

Thematic area: Pest

Problem definition: Less used of Male calf and high demand of female calf

Technology assessed:

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 (lit)	Net return (Rs.)	B :C ratio
		Age of Heifer	Occurrence of heat period	Insemination	Conceived	Average Milk production				
		Months	hours	Natural/AI		(Lit)				
Farmer practice : Natural /Artificial insemination	10	14 to 20	18-25	Inseminated						
TO I: Artificial insemination using frozen female sex- sorted semen	10	14 to 20	18-25	Inseminated						
TO II: Artificial insemination using frozen non sex- sorted semen	10	14 to 20	18-25	---						

Results:CONTINUE

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Crop Production	INM in Chickpea	2	8	7
		RCT	2	8	2
		Varietal Trial	2	38	12
2.	Entomology	IPM in chickpea	2	8	3
		IPM in Onion	2	8	4
3.	Livestock	Disease Management in cow	2	10 (17 cows)	17
		Nutritional Management in Buffalo (Milk production)	2	10 (18buffalos)	18
4.	Implement	Repair & maintenance of farm machinery & implement	5	16	5

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

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	IPM	Fipronil 0.3G @ 20 kg per ha to manage stem borer	5	5	3	0			16	1	19	1	20	
2.	Paddy	Stress tolerant variety	Sabour Ardhajal	5	5	0	0	0	0	10	0	10	0	10	
3.	Paddy	Repair and maintenance of Farm Implement	DSR Paddy var. R.Sweta	6	6	3	1	0	0	10	2	13	3	16	
4.	Paddy	Small tool and implements	Use of flat fan nozzle for herbicide application in paddy	8	8	1	0	0	0	19	0	20	0	20	
5.	Wheat	Crop Residue management	Wheat sowing by Happy seeder	5	5	4	0	0	0	7	2	11	2	13	

		implements														
6	Wheat	Nutritional enhancement	Bio fortified (Zinc) varieties of wheat demonstration (BHU-31, BHU-25, WB-02)	1	1	0	0	0	0	10	0	10	0	10		
7	Wheat	Reduction of terminal heat stress in wheat	Application of potassium nitrate (0.5 %) at flag leaf stage (var. HD-2733)	2.5	2.5	2	0	0	0	8	0	10	0	10		
8	Maize	Hybrid maize	Demonstration of hybrid maize var. MRM-3777	3.0	3.77	1	1	0	0	9	0	10	1	11		

Details of farming situation

Sl. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P ₂ O ₅	K ₂ O					
	Paddy	Kharif										
	Paddy	Kharif										

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

B. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

[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

Other crops

[illegible]

Maize (Summer 2019)	Hybrid maize	Demonstration of hybrid maize var. MRM-3777	11	3.6	45	40.5	11.25	-	-	29950	63000	33050	1:2.10	27400	52650	25250	1:1.92
Total																	

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy (2019-20)	Feeding management	Control of mineral deficiency	50	100	8.93	8.66	0.27 lit	-	-	60000	103920	47065	1.73	60095	107160	43920	1.78
	Disease management	Dewormer (Fenbendazole)															
Goats (2019-20)	Disease management	Dewormer (Fenbendazole)	25	200	Average body wt. 17.25kg/buck after 6 months	Average body wt. 16.45 kg/buck after 6 months	0.8kg	-	-	3270	6900	3630	2.1	3200	6580	3380	2
	Feeding management	Control of mineral deficiency															
Cow																	
Buffalo																	
2020																	
Poultry 1.kadaknath	Poultry management	Backyard poultry farming for Dual purpoSe	10	100	Eggs & meat	continue											
2.vanraja	Poultry management	Backyard poultry farming for Dual purpoSe	60	750	Eggs & meat	continue											
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (Pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration (Avg Kg)	Check (Avg kg)		Demons Ration(ql/ha)	Check(ql/a)	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Poultry(SC/SP) (vanraja:750)	poultry farming	Backyard poultry farming (van raja)	88	88	Average body wt.1 kg/bird at 6 months ,3% motility	Average body wt..0.6 kg/bird at 6 months days 15% motility	12% motility	-	-	71290	182000	111480	2.5	62340	95700	33360	1.5
Quail /Batter (NICRA)(500)	Poultry farming	Backyard poultry farming	10	10	170g after 6 months, 5% mortality	-----	5% motility			24875	34160	9285	1.3	----	----	----	----

* 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,

Desi/van raja chicks @ 35. Chick & sale of birds @250/kg

Quail chicks @45/chick & sale of quail birds @80/quail

*Initial Avg. body wt. of goat 11.7 kg , rate of meat live wt@ 400/kg.

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology	No. of Farmer	No. of units	Major parameters	% change in major	Other parameter	*Economics of demonstration (Rs.) or Rs./unit	*Economics of check (Rs.) or Rs./unit
----------	------------------------	---------------	--------------	------------------	-------------------	-----------------	---	---------------------------------------

	demonstrated			Demons ration	Check	parameter	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

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)			
					Demons ration	Check									

[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

Demonstration details on crop hybrids

[illegible]

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy (Fipronil 0.3G @ 20 kg per ha to manage stem borer)	Granular pesticide easy to broadcast in field as compare to other formulation as said by farmers and adopted

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	02.11.2020	1	15	
		13.11.2020	1	13	
		18.11.2020	1	11	Direct paddy sowing by DSR Machine
		06.2.2020	1	8	Wheat sowing by Zero Tillage
		07.02.2020	1	9	Wheat sowing by Happy Seeder
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Chickpea	Local variety	11.2	193 (a-b)	38 (a-c)	880 (d-a)	GCP 105 Carbendazim, Rhizobium and PSB	25	10	15.6	7.4	13.6	3.60	17.44	32
2	Lentil	Local variety	7.0	410 (a-b)	325 (a-c)	1300 (d-a)	IPL-406, Carbendazim, Pendimethalin, Rhizobium+PSB	25	10	12	5.8	8.2	35.36	25	143

3	Field pea	Local variety	3.8	533 (a-b)	649 (a-c)	1620 (d-a)	IPFD 10-12, Carbendazim, Rhizobium and PSB	25	10	6.2	2.8	4.4	55.75	60.73	79.8
4	Mustard	Local variety	10.5	557 a-b	188 a-c	393 d-a	Rajendra Sufalam	50+325	20+130	16.4	7.6	12.6	27.53	1.78	58.73

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	GCP 105, Carbendazim, Rhizobium and PSB	28780	56000@5000/q	27220	1.95	31300	68000	36700	2.17
2	IPL-406, Carbendazim, Thiomethoxam, Pendimethalin, Rhizobium+PSB	24200	28700@4100/q	4500	1.18	24720	33620	8900	1.36
3	IPFD 10-12, Carbendazim, Rhizobium and PSB	25720	13300@3500/q	-12420	1:0.51	26140	15400	-10740	1:0.59
4	Seed (R. Sufalam)+Sulphur+Thiomethoxam+PSB+Carbendazim	20450	<u>42000</u>	21550	2.05	22250	50400	28150	2.26

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	GCP105 Carbendazim, Rhizobium and PSB	13600 (from 10 ha area of the total demo)	490 (90% of the produce sold)	5000	32 for one acre area	32	To meet family needs	12
2	IPL-406, Carbendazim, Thiomethoxam, Pendimethalin,	8200 (from 10 ha area of the total demo)	300 (Approx 90% of the produce sold)	4100	28	None	To meet family needs	12

	Rhizobium+PSB							
3	IPFD 10-12, Carbendazim, Rhizobium and PSB	4400 (from 10 ha area of the total demo)	144 (90% of the produce sold)	3500	32 for one acre area	NIL	To meet family needs	12
4	Mustard Seed (R. Sufalam)+ Sulphur+ Thiomethoxam+PSB+ Carbendazim	189000 (from (20+130) ha area of the total demo)	1100	3500	5	Not decided for 155 kg	To meet family needs	12

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	GCP 105, Carbendazim, Rhizobium and PSB	(Rice-Chickpea) Yes	Liked by farmers as It bears good yield potential.	Affordable	Rainfall in rabi season reduced the yield of chick pea	Yes	Micro-irrigation facility needed.
2	IPL-406, Carbendazim, Thiomethoxam, Pendimethalin, Rhizobium+PSB	(Rice-Lentil) Yes	Variety is good.	Affordable	Rainfall reduced the yield of lentil.	Yes	Micro-irrigation facility needed.
3	IPFD 10-12, Carbendazim, Rhizobium and PSB	(Rice-Fieldpea) Yes	Liked by farmers as It bears good growth and vigour	Affordable	Rainfall in rabi season reduced the yield of field pea	Yes	Micro-irrigation facility needed.
4	Seed (R. Sufalam)+ Sulphur+	(Rice-Mustard)	Liked by farmers as It	Affordable	Lack of irrigation	Yes	Micro-irrigation facility needed.

	Thiomethoxam+ PSB+ Carbendazim	Yes	bears good yield potential		facility and seed sowing machines.		
--	--------------------------------------	-----	-------------------------------	--	--	--	--

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a-vis Local Check	Farmers Feedback
High yield of chickpea with small size seed in normal climatic condition.	Average Yield 13.6 q/ha	The per cent yield increase over local check is 21.42%	Farmers are on the benefit side with this performance of the variety in normal climatic condition.
Its high yielder variety liked by farmers and nutrient and weed management practices enhance the performance of the variety.	Average Yield 8.2 q/ha	The per cent yield increase over local check is 17.14%.	Growth was good but at the time fruiting rainfall damaged the crop. Farmers are still happy with the vigour of the variety.
High yield of chickpea with small size seed in normal climatic condition.	Average Yield 13.6 q/ha	The per cent yield increase over local check is 15.78%	Farmers viewed the crop growth and vigour indicates its higher yield but the rainfall at fruiting hampered and reduced the yield.
High yielding and suitable for late sown condition.	Average Yield 15 q/ha	The per cent yield increase over local check is 20%.	Farmers are on the benefit side with late sowing suitability of the variety.

F. Extension activities under FLD conducted:

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.)
Chickpea	i) Critical input	34830	76320	41490
	ii) TA/DA/POL etc. for monitoring	3870	4500	630
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	38700	80820	42120

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input	34830	47587	12757
	ii) TA/DA/POL etc. for monitoring	3870	8000	4130
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	38700	55587	16887

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Fieldpea	i) Critical input	34830	72320	37490
	ii) TA/DA/POL etc. for monitoring	3870	8750	4880
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	38700	81070	42370

Crop	Items	Budget	Budget	Balance
------	-------	--------	--------	---------

(provide crop wise information)		Received (Rs.)	Utilization (Rs.)	(Rs.)
Mustard	i) Critical input	537300	253608	283692
	ii) TA/DA/POL etc. for monitoring	59700	18570	41130
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	597000	272178	324822

A) Farmers and farm women (on 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
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
Fish management													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	86	86	0	49	49	0	0	0	0	135	135
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	2	42	0	42	6	0	6	0	0	0	48	0	48
Enterprise development													
Value addition	2	0	33	33	0	11	11	0	0	0	0	44	44
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction	1	23	0	23	2	0	2	0	0	0	25	0	25

[illegible]

C) Extension Personnel (on campus)

[illegible]

[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
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
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	53	929	45	974	178	34	212	0	0	0	1107	79	1186

E)RURAL YOUTH (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
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	3	43	3	46	7	2	9	0	0	0	50	5	55

F) Extension Personnel (Off Campus)

[illegible]

i. Farmers & Farm Women

[illegible]

[illegible]

[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
processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	0	19	19	0	5	5	0	0	0	0	24	24
Enterprise development													
Others if any (ICT application in agriculture)													
INM	1	30	0	30	0	0	0	0	0	0	30	0	30
Farming system	1	40	0	40	0	0	0	0	0	0	40	0	40
IPM	1	29	0	29	8	0	8	0	0	0	37	0	37
Crop production	1	19	0	19	2	0	2	0	0	0	21	0	21
Disease management	2	34	0	34	6	0	6	0	0	0	40	0	40
Nutritional gardening	1	20	1	21	2	0	2	0	0	0	22	1	23
TOTAL	31	563	70	633	74	22	96	0	0	0	637	92	729

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	35	0	35	5	0	5	0	0	0	40	0	40
Integrated Pest Management	2	70	1	71	9	0	9	0	0	0	79	1	80
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1	34	0	34	4	0	4	0	0	0	38	0	38
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	129	10	139	13	4	17	1	1	2	146	15	161
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	17	0	17	3	0	3	0	0	0	20	0	20

Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	28	0	28	7	0	7	0	0	0	35	0	35
Gender mainstreaming through SHGs													
Crop intensification													
Soil & soil profile	1	40	0	40	0	0	0	0	0	0	40	0	40
Micro irrigation	1	80	4	84	6	2	8	0	0	0	86	6	92
Water conservation	1	19	0	19	1	0	1	0	0	0	20	0	20
Nutrition gardening	3	0	44	44	0	14	14	0	0	0	0	58	58
Mushroom production	1	12	1	13	2	1	3	0	0	0	14	2	16
TOTAL	15	464	60	524	50	21	71	1	1	2	518	82	600

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
27-31 Jan 2020	PF	Vermicompost production techniques	1	On	9	18	27	0	2	2
24.02.2020	PF	Production techniques of oilseeds (Rapeseed & Mustard)	1	Off	22	0	22	8	0	8
02.06.2020	PF	Package of practice of soyabean	1	Off	43	0	43	2	0	2
12.06.2020	PF	Method of soil sampling	1	Off	12	0	12	0	0	0
19.06.2020	PF	method of nursery raising of paddy	1	Off	13	0	13	0	0	0
25.08.2020	PF	Package of practice of maize & red gram	1	Off	18	0	18	0	0	0
29.09.2020	PF	Vermicompost production, importance and its management in rainy season	1	Off	14	0	14	1	0	1
22-23 Oct 2020	PF	production technology of vermicompost	1	Off	15	0	15	4	0	4
05.11.2020	PF	production techniques of chickpea & lentil	1	On	13	0	13	2	0	2
06.11.2020	PF	Production techniques of wheat	1	On	9	0	9	0	0	0
07.11.2020	PF	Zero tillage sowing of wheat, lentil & chickpea	1	On	12	0	12	0	0	0
12.12.2020	PF	Wheat sowing through happy seeder machine under combined harvested paddy field	1	On	25	0	25	2	0	2
14.12.2020	PF	Crop straw management	1	On	95	2	97	16	1	17
10.09.2020	RY	Farming system	1	On	40	0	40	0	0	0

		according to agroecological situation								
27-31 jan 2020	RY	production techniques of vermicompost	5	On	9	18	27	0	2	2
05.12.2020	RY	Integrated nutrient management in wheat	1	On	30	0	30	0	0	0
18.09.2020	EF	Importance of soil testing and study of soil	1	Off	40	0	40	0	0	0
14.09.2020	EF	Vermicompost crop	1	Off	35	0	35	7	0	7
Entomology										
19.02.2020	PF	Soil testing and its importance	1	Off	44	20	64	14	4	18
20.02.2020	PF	INM in rabi crops	1	On	65	0	65	12	0	12
08.06.2020	PF	Pest management in paddy	1	Off	18	0	18	1	0	1
15.06.2020	PF	IPM in paddy (Nursery)	1	Off	19	0	19	2	0	2
17.08.2020	PF	Pest management in paddy	1	Off	17	0	17	2	0	2
24.08.2020	PF	Pest management in kharif oilseeds & pulses	1	Off	18	0	18	4	0	4
07.09.2020	PF	Seed treatment in rabi crops	1	Off	17	0	17	4	0	4
31.10.2020	PF	Seed treatment in rabi crops	1	Off	17	0	17	4	0	4
21.12.2020	PF	Blight management in potato	1	off	20	0	20	3	0	3
18.12.2020	PF	Blight management in potato	1	Off	15	0	15	2	0	2
31.12.2019 to 04.01.2020	RY	IPM	5	On	37	0	37	8	0	8
20-23 jan 2020	RY	Crop production	4	On	21	0	21	2	0	2
01-14 March 2020	RY	Bee keeper	28	On	28	1	29	0	0	0
24.09.2020	EF	IPM and nutrient management in crops	1	Off	40	0	40	0	0	0
10.02.2020	EF	Pest management in rabi pulse crops	1	Off	39	1	40	9	0	9
12.11.2020	EF	Seed production & cultivation	1	Off	40	0	40	5	0	5
Agril. Engg.										
09.01.2020	PF	Operation & care of sprinkler irrigation system	1	Off	21	1	22	1	1	2
28.01.2020	PF	Improved equipments for crop harvesting	1	Off	34	2	36	6	2	8
07.02.2020	PF	Effect of mulch in happy seeder sown wheat	1	Off	16	3	19	1	1	2
19.02.2020	PF	Methods of improving water holding capacity of soil	1	Off	18	23	41	4	13	17
20.02.2020	PF	Fertigation technique through drip system	1	On	46	1	47	4	1	5
27.02.2020	PF	Crop harvesting equipments	1	on	10	0	10	1	0	1
13.03.2020	PF	Use of plastic mulch for moisture conservation	1	Off	15	4	19	1	1	2
05.05.2020	PF	Techniques of water	1	Off	50	0	50	12	0	12

		storage and its judicious use								
22.05.2020	PF	Rooftop water harvesting	1	Off	13	0	13	2	0	2
10.06.2020	PF	Use and repair of improved tillage and sowing implements	1	Off	18	0	18	1	0	1
18.06.2020	PF	Techniques of in-situ moisture and rain water conservation	1	Off	21	0	21	2	0	2
25.08.2020	PF	On farm water and weed management in paddy	1	Off	17	0	17	2	0	2
27.08.2020	PF	Water and weed management in paddy	1	On	13	0	13	0	0	0
31.08.2020	PF	Improved weeding implements and tools	1	Off	16	0	16	1	0	1
29.09.2020	PF	Water Conservation Techniques	1	Off	14	0	14	2	0	2
08.09.2020	PF	causes & ill effect of declining of ground water and its control measures	1	Off	63	1	64	7	1	8
03.09.2020	PF	Supplemental irrigation in paddy using water harvesting structures	1	Off	10	0	10	1	0	1
3.10.2020	PF	Modern equipments for crop harvesting and threshing	1	Off	15	0	15	1	0	1
07.10.2020	PF	Operation and maintenance of crop harvesting machines	1	Off	17	5	22	3	2	5
05.11.2020	PF	Operation and calibration of zero tillage machine for pulses sowing	1	On	13	0	13	2	0	2
6.11.2020	PF	Calibration of zero tillage machine for wheat sowing	1	On	9	0	9	0	0	0
07.11.2020	PF	Use of ZT machine for sowing of Rabi crops	1	On	12	0	12	0	0	0
24.11.2020	PF	Operation and maintenance of zero tillage machine	1	On	14	0	14	2	0	2
02.12.2020	PF	Calibration of ZT machine	1	Off	13	3	16	2	2	4
12.12.2020	PF	wheat Sowing by Happy seeder	1	On	25	0	25	2	0	2
14.12.2020	PF	Operation and calibration of happy seeder for crop residue management	1	On	95	2	97	16	1	17
18.12.2020	PF	repair, care and precaution in use of farm machineries	1	Off	15	0	15	2	0	2
21.12.2020	PF	Water management in Rabi crops	1	Off	20	0	20	3	0	3
11.12.2020	PF	Sowing of wheat by ZTT	1	On	21	0	21	1	0	1
13-16 Jan 2020	RY	Improved machines for crop sowing and	1	On	2	18	20	0	6	6

		harvesting								
18.03.2020	RY	Improved crop harvesting machineries	1	Off	14	2	16	2	1	3
02.07.2020	RY	Operation of tillage and sowing implements	1	Off	11	3	14	2	1	3
11.11.2020	RY	Repair & maintenance of crop residue management machines	1	On	15	0	15	1	0	1
13-16 Jan 2020	RY	Improved machines for crop sowing and harvesting	1	On	2	18	20	0	6	6
10.12.2020	RY	Repair, maintenance & calibration of happy seeder machine	1	On	20	0	20	2	0	2
15.12.2020	RY	Repair, maintenance & calibration of ZT implement	1	On	26	0	26	4	0	4
05.09.2020	EF	In Situ management of wheat straw	1	Off	56	7	63	5	2	7
13.01.2020	EF	Equipments for crop residue management and micro irrigation	1	Off	90	8	98	8	2	10
27.01.2020	EF	Care, maintenance and use of micro irrigation system	1	Off	86	6	92	6	2	8
05.10.2020	EF	Modern irrigation system	1	Off	20	0	20	1	0	1
Animal Sc.										
14.01.2020	PF	Poultry management	1	On	34	0	34	4	0	4
23.01.2020	PF	management of cattle in winter season	1	On	13	0	13	5	0	5
10.02.20 to 04.04.20	PF	Animal Health Worker	1	On	20	0	20	3	0	3
14.02.2020	PF	Fish farming	1	On	18	0	18	2	0	2
20.02.2020	PF	Management of goat disease	1	On	20	0	20	3	0	3
05.05.2020	PF	Feeding & disease of animals during COVID-19	1	Off	50	0	50	12	0	12
11.05.2020	PF	Feeding & disease of animals during COVID-19	1	Off	50	0	50	12	0	12
20.06.2020	PF	Dairy farming	1	Off	17	1	18	1	0	1
23.06.2020	PF	Goat farming	1	Off	15	0	15	2	0	2
26.08.2020	PF	Disease management of poultry	1	Off	16	0	16	1	0	1
11.09.2020	PF	Breed improvement & AI techniques	1	Off	35	0	35	10	0	10
29.09.2020	PF	Disease of poultry	1	Off	35	0	35	10	0	10
05-17 oct. 2020	PF	Animal health Worker	1	On	20	0	20	3	0	3
20-22 Oct 2020	PF	Dairy farming/ management	1	On	15	7	22	1	1	2
02.12.2020	PF	Fish cum poultry farming	1	On	18	2	20	1	0	1
21.12.2020	PF	Feeding management of livestock	1	Off	20	0	20	3	0	3
1-4 July 2020	RY	Dairy management	1	On	19	1	20	4	0	4
8-10 Sept.	RY	Goat farming	1	On	18	0	18	2	0	2

2020										
15-17 Sept. 2020	RY	Dairy management	1	On	20	0	20	0	0	0
21-23 Sept. 2020	RY	Dairy management	1	On	20	0	20	0	0	0
24-26 Sept. 2020	RY	Dairy management	1	On	19	0	19	2	0	2
28-30 Sept. 2020	RY	Goat farming	1	On	25	0	25	5	0	5
13-17 Jan 2020	RY	Dairy managemnet	1	On	29	2	31	5	0	5
03-07 Feb. 2020	RY	IFS	1	On	27	0	27	2	0	2
10-14 Feb. 2020	RY	Disease management	1	On	20	0	20	3	0	3
2-14 March 2020	RY	Animal Health Worker	1	On	20	0	20	3	0	3
14-18 Dec 2020	RY	Poultry farm management	1	On	34	1	35	10	0	10
18-20 Aug. 2020	RY	Pashu palan	1	On	21	0	21	1	0	1
05.10.2020	EF	Bio diversity	1	Off	17	0	17	3	0	3
Home Sc.										
09.01.2020	PF	Value addition	1	Off	21	1	22	0	5	5
01.02.2020	PF	Making tomato sauce	1	On	0	24	24	0	6	6
17.03.2020	PF	making green mango squash	1	On	0	20	20	12	0	12
05.05.2020	PF	processing of turmeric & pulses	1	Off	50	0	50	2	0	2
22.05.2020	PF	Kisan club/ SHG formation	1	Off	13	0	13	2	4	6
08.06.2020	PF	Kmaking of green mango squash	1	Off	8	10	18	5	0	5
29.08.2020	PF	Safe grain storage (pulse)	1	On	27	0	27	5	0	5
28.08.2020	PF	Food processing (Pulses & spices)	1	On	21	0	21	0	18	18
17.09.2020	PF	Nutrition Garden	1	On	0	51	51	0	22	22
21.09.2020	PF	Nutrition Garden	1	On	0	69	69	0	9	9
25.09.2020	PF	Nutri Thali	1	On	0	15	15	0	37	37
15.10.2020	PF	Mushroom production	1	On	0	49	49	0	5	5
05-15 Feb 2020	RY	Scenery making out of paddy straw	1	On	0	24	24	0	5	5
18.03.2020	RY	Mushroom production	1	Off	14	2	16	2	1	3
07-12 oct 2020	RY	Mushroom production	1	On	25	0	25	3	0	3
06-10 Nov. 2020	RY	Mushroom production	1	On	16	0	16	3	0	3
17.09.2020	RY	Nutrition Garden	1	Off	0	25	25	0	7	7
17.09.2020	RY	Nutrition Garden	1	On	0	9	9	0	2	2
18.03.2020	RY	Mushroom production	1	Off	14	2	16	2	1	3
14.01.2020	RY	value addition of fruits & vegetables	1	Off	38	0	38	4	0	4
6.10.2020	RY	Nutrition Garden	1	On	0	24	24	0	5	5
05.10.2020	EF	Preparation of district bio diversity registered	1	On						

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	
production of organic inputs	production of organic inputs	production techniques of vermicompost	5	9	18	27	Vermicompost pit	2	2	1
IPM	IPM	Development of Bio pesticides for Livelihood security	5	37	0	37				
Crop production	Crop production	Production techniques of oilseed	4	21	0	21				
Bee Keeper	Bee Keeper	Bee Keeper	30	28	1	29	Apiary	8	12	0
Implement	Repair & maintenance of farm implements	Repair & maintenance of farm implements	4	2	18	20	Zero till cultivation	1	2	
Dairy management	Dairy management	Dairy management	4	19	1	20	Dairy unit	11	5	2
Goat farming	Goat farming	Goat farming	3	18	0	18	Gaotry unit	5	1	1
Dairy management	Dairy management	Dairy management	3	20	0	20	Dairy unit	10	3	1
Dairy management	Dairy management	Dairy management	4	20	0	20	Dairy unit	10	1	1
Dairy management	Dairy management	Dairy management	3	19	0	19	Dairy unit	6	2	1
Goat farming	Goat farming	Goat farming	3	25	0	25	Gaotry unit	6	3	1
Dairy management	Dairy management	Dairy management	5	29	2	31	Dairy unit	10	5	2
IFS	IFS	IFS	5	27	0	27	IFS model	5	1	1
Disease management	Disease management	Disease management	5	20	0	20	Health care	7	1	1
Animal Health	Animal Health	Animal Health	9	20	0	20	Animal health care	15	1	1

Worker	Worker	Worker								
Poultry farm management	Poultry farm management	Poultry farm management	5	34	1	35	Poultry unit	16	3	1
Pashu palan	Pashu palan	Pashu palan	3	21	0	21	Dairy unit	7	2	2
Rural crafts	Rural crafts	Scenery making out of paddy straw	10	0	24	24	Scenery making unit	2	2	-
Mushroom production	Mushroom production	Mushroom production	6	25	0	25	Mushroom production	15	10	3
Mushroom production	Mushroom production	Mushroom production	5	16	0	16	Mushroom production	9	7	1

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl .	Title	Thema tic area	Mo nth	Duratio n (days)	Cl ient	No. of courses	No. of Participants										Sponsori ng Agency
					PF /R Y/ EF		Male			Female			Total				
							Others	SC	S T	Others	S C	ST	Others	S C	ST	To tal	
1	The ory and prac tical clas s und er DA ESI prog ram me	Crop produc tion	De c.	1	PF	1	37	3	-	40	-	-	37	3	-	40	ATMA

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	9	25	4	29	7	0	0	0	25	4	29
KisanMela	2	-	-	Mass							
Kisan Chaupal (Ghosthi)	4			Mass							
Exhibition											
Film Show	1	28	5	33	5	0	0	0	28	5	33
Method Demonstrations											
Farmers Seminar											
Workshop	2	-	-	2	-	-	-	-	-	-	2
Group meetings											
Lectures delivered as resource persons											
Advisory Services	5542	5122	420	5542	11	0	0	0	5122	420	5542
Scientific visit to farmers field	340	261	79	340	12	0	0	0	261	79	340

Farmers visit to KVK	624	582	42	624	12	0	0	0	582	42	624
Diagnostic visits	54	54	0	54	9	0	0	0	54	0	54
Exposure visits	2	40	0	40	20	0	0	0	40	0	40
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp	3										Mass
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
Mahila Mandals Conveners meetings											
Special Programmes (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	22			Mass							
Video conferencing	7			108							
Human chain during Jal Jiban Hariyali	1			Mass							
Horticulture exhibition at Raj Bhawan, Patna	1	5	0	5	0	0	0	0	5	0	5
Agro Bihar 2020	1			Mass							Mass
Mask distribution during Corona pandemics	3	77	27	104	9	0	0	0	77	27	104
Foundation laying of IFS model in KVK farm	1			Mass							Mass
Virtual Webinar/ meeting/ Special programmes	25	67	22	89	8	0	0	0	67	22	89
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	29
Radio talks	3
TV talks	2
Popular articles	5
Extension Literature	-
Other, if any	

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26 th Jan.)	1	19	5	24	5	0	0	0	19	5	24
International Women's Day (8 th Mar.)	1	0	51	51	8	0	2	2	0	53	53
Ambedkar Jayanti (14 th Apr.)	1										
International Yoga Day (21 st Jun.)	1			Mass							Mass
Independence Day (15 th Aug.)	1	25	4	29	8	0	0	0	25	4	29
Parthenium Awareness Week (16 th to 22 nd Aug.)	1										
Hindi Diwas (14 th Sep.)											
Gandhi Jayanti (2 nd Oct.)	1										
Mahila Kisan Diwas (15 th Oct.)	1	0	55	55		3	0	3	3	55	58
World Food Day (16 th Oct.)	1										
Vigilance Awareness Week (27 th Oct. to 2 nd Nov.)	1	28	5	33	14	0	0	0	28	5	33

National Unity Day (31 st Oct.)	1	23	7	30	25	0	0	0	23	7	30
World Science Day (10 th Nov.)	1										
National Education Day (11 th Nov.)	1										
National Constitution Day (26 th Nov.)	1	23	0	23	10	0	0	0	23	0	23
National Dairy Day (26 th Nov.)	1	24	0	24	5	0	0	0	24	0	24
World Soil Day (5 th Dec.)	1	55	0	55	0	0	0	0	55	0	55
Kisan Diwas (23 rd Dec.)	1	33	1	34	16	0	0	0	33	1	34
National Consumer Day (24 th Dec.)	1	25	0	25	8	0	0	0	25	0	25
World environment day (05 th July)	1	46	5	51	11	0	0	0	46	5	51
Jehanabad jila srijan diwas	1	12	0	12	0	0	0	0	12	0	12

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	25.12.2020	Interaction of Hon'ble PM with Farmers (Kisan Samman Nidhi programme)	PM	112	11	0	133
2	14.12.2020	Inauguration of CRA programme & Live demo. On Happy Seeder	CM	100	12	3	115
3	26.01.2020	Foundation laying of IFS model in KVK farm	-	-	-	-	Mass
4	29.08.2020	Inauguration of Academic and Administrative Building of Rani Lakshmi Bai Central Agricultural University Jhansi	PM	25	12	0	37
5	10.09.2020	Foundation laying of various academic facilities and inauguration in Dr. Rajendra Prasad Central Agricultural University, Samastipur	PM	21	13	0	34
6	18.09.2020	Inauguration of International Hostel at BAU, Sabour by Shri. Narendra Singh Tomar, Hon'ble Minister of Agriculture & Farmers Welfare and Rural Development	AM	24	12	0	36

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 (Rabi 2019-20)	HD- 2967 (F/S)	65.0	260000	32		130	162
	S. Nirjal (F/S)	21.0	84000	8		44	52
Paddy (Kharif 2020)	R. Sweta (F/S)	130.0					
	(Unprocessed)						
	S. Ardhjal (F/S)	23.0					

		(Unprocessed)					
Grand Total		239	344000 +kind				

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	Hybrid	1070	535	1		4	5
Cabbage							
Tomato	Hybrid	700	350	1		4	5
Brinjal							
Chilli							
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
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 2020						
Rabi 2020						

Summer/Spring 2020						
--------------------	--	--	--	--	--	--

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
	Mitigation strategies to enhance carbon sink potential in climate vulnerable districts of eastern India	Dr. Shobha Rani As Co-author	Climate & development, DOI.. 10.1080/17565529.2020.1780190	
Research paper	New Record of Convolvulus Hawk-Moth <i>Agrius Convolvuli</i> (Linnaeus, 1758), (Sphingidae) from Jehanabad, Bihar with its Synonymy, Distribution, Host Plants and Control Measures.	Akhlaq Husain and Wajid Hasan	J. Exp. Zool. India 23(2): 1597-1602.	
	Effect of Different Inflow Cutoff Ratio on Irrigation Water Saving, Yield, WUE and Economics of Wheat Cultivation	Jeetendra Kumar, A.K. Paswan, W. Hasan, S. Rani, V. Kumar and R.K. Sohane.2020	Indian Journal of Extension Education, 56 (1):23-27	
	Derivation of Crop Coefficient Model of Wheat and Maize Using Growing Degree Days to Mitigate Climatic Variability	Jeetendra Kumar, U. N. Umesh and A. K. P. Singh.2020	Int.J.Curr.Microbiol.App.Sci., 9(10): 2915-2924	
	Effect of Material Parameters and Machine Parameters on Physical Property of Extrudates Prepared from Different Blends of Sattu and Kodo	Dr. D. Kumar and Dr. Shobha rani	International Journal of Chemical studies,8(3):2505-2509	
Seminar/conference/ symposia papers	Assessment of different methods of direct paddy sowing	Jeetendra Kumar, W. Hasan, A. K. Paswan, S.Rani and R.K. Sohane	1st Indian Rice Congress – 2020, Rice Research and Development for Achieving Sustainable Development Goals, December 8-9, 2020, ICAR-NRRI, Cuttack:581-582	
Books				
	Climate Smart Agriculture.	Wajid Hasan , Huma Naz, P.C. Chanyal,	BIOTECH BOOKS® New Delhi. ISBN: 978-81-7622-	

		Sanjay Swami and Harikesh Singh 2020.	474-1.	
Bulletins	Lkgtu% ,d lqiw.kZ vkgkj	MkW- 'kksHkk jkuh] bZ- thrsUnz dqekj] Jh vrgy dqekj	NICRA Project, KVK, Jehanabad	
	Lkw[kkM+ dh fLFkr esa vuqdwy /kku ds mUur izHksn	MkW- 'kksHkk jkuh] bZ- thrsUnz dqekj] Jh vrgy dqekj	NICRA Project, KVK, Jehanabad	
	Nr ds ikuh dk ,d=hdj.k ,oa HkwtY ,oa iquHkZj.k	bZ- thrsUnz dqekj] MkW- 'kksHkk jkuh] Jh vrgy dqekj	NICRA Project, KVK, Jehanabad	
News letter	Krishak Samachar (Quarterly) newsletter tuojh ls ekpZ 2020	MkO 'kksHkk jkuh] bZ thrsUnz dqekj] MkW okftn glu] Jh vftr dqekj ikloku, Dinesh Mahto	Krishak Samachar (Quarterly) newsletter , KVK, Jehanabad	1000
Popular Articles	Jal Sanrakshan ke Liye Muhim.	Jeetendra Kumar & Shobha Rani	Krishak sandesh, January 2020, Year 8, Vol. 8 :10-13 BAU, Sabour, Monthly Magzine, ISSN 2320-6950	
	Backyard poultry farming for meat and egg production: rural enterprise	Dinesh Mahto	<i>International Journal of Agricultural and Applied Sciences</i> , 1(1): 52-55.	
	Perosomus Elumbis in Sahiwal Calf: A Case Report	Dinesh Mahto and Shobha Rani	The Indian Journal of Animal Reproduction (accepted).	
Abstract	Assessment of different composition of Pashu Chocolates on dairy cattle for milk production. 2nd national conference of society of krishi vigyan ,	Dinesh Mahto and Shobha Rani (2020)	Advances in sustainable agriculture(web-conference),26-28,Sept, 2020 .	
	Disease prevalence in cross-breed cattle of bihar in middle indo-gangetic plains.	Pankaj Kumar, Rama Krishna Roy, Dinesh Mahto, Bidya Shankar Sinha, Rashmi Rekha Kumari and Abhay Kumar(2020)	<i>Astha Foundation, Meerut in Collaboration with CSAUAT, Kanpur; IGKV, Raipur; BAU, Sabour; UAHS, Shivamogga; B AU Ranchi; SKRAU, Bikaner & SSDAT, Meerut (UP) India. Page no 23</i>	
	Use of ICT for Rural Youth Empowerment	Dr. Shobha Rani	Souvenir of National Webinar on Motivation of Youth towards Agri-entrepneurship and Innovative Farming, JNKVV, Jabalpur, Ganjbasoda, MP, 2020	
	Entrepreneurship development among Rural Youth through Agro- processing	Dr. D. Kumar & Dr. Shobha Rani	Souvenir of National Webinar on Motivation of Youth towards Agri-entrepneurship and Innovative Farming, JNKVV, Jabalpur, Ganjbasoda, MP, 2020	
	Global warming and it's effect on Indian agriculture	Jeetendra Kumar, A. Kumar, S. Rani and W. Hasan	Souvenir Proceeding National webinar on Approaches towards development of rural and agriculture sector in the present scenario, 8-9 May 2020:307	
	Rural development through sustainable agricultural extension system	Jeetendra Kumar	Souvenir Proceeding National webinar on Approaches towards development of rural and agriculture sector in the present scenario, 8-9 May 2020:397	
Book Chapter	Sametkit Krishi Pranali Dwara Sansadhan Prabandhan.	Shobha Rani, Jeetendra Kumar and	Jalwayu ke Anukul Krishi Taknikon Dwara Khadya	

		Dinesh Mahto	Suraksha evam Kisan Samridhi: Chunautiyan evam Samadhan, Smarika of Kisan Mela 2020, ISBN No. 978-93-89907-08-7: 175-180	
	Insect pest of pulse crop and their management	Sunil Kumar Yadav, Shweta Patel and Wajid Hasan 2020.	<i>In: Integrated Pest Management — A Holistic Approach for Pest Risk Management. Edited: BIOTECH BOOKS® New Delhi. ISBN:978-81-7622-461-1, PP 217-230.</i>	
	Chhote Kheto me Jalwayu Anukul Nami Vatavaran ke Liye kam Dab Drip Sinchai Taknik, , Smarika of Kisan Mela	Jeetendra Kumar, A.K. Paswan, Wajid Hasan & Shobha Rani	Jalwayu ke Anukul Krishi Taknikon Dwara Khadya Suraksha evam Kisan Samridhi: Chunautiyan evam Samadhan, Smarika, BAU, Sabour, Feb. 2020, ISBN No. 978-93-89907-08-7: 175-180:365-368	
	Jalwayu Anukul Krishi ke liye Fasal Awashe Prabandhan hetu upyogi machine	Jeetendra Kumar	Jalwayu ke Anukul Krishi Taknikon Dwara Khadya Suraksha evam Kisan Samridhi: Chunautiyan evam Samadhan, Smarika, BAU, Sabour, Feb. 2020, ISBN No. 978-93-89907-08-7: 175-180:358-364	
Extension Pamphlets/ literature				
Technical reports	MPR (English), MPR (Hindi), QPR (Jan-March 2020, April-June 2020, July-Sept. 2020, Oct.- Dec. 2020) Annual Progress Report (2019) of KVK - Annual Action Plan (2020) of KVK - Annual Progress Report (2019-2020) of NICRA - Annual Action Plan (2020-21) of NICRA - Extension Council Report (April- Sept. 2020, Oct. 2019- March 2020) NICRA QPR (Jan.- March 2020, April-June 2020, July-Sept. 2020, Oct.- Dec. 2020)	Dr. Shobha Rani ¹ , Er. J. Kumar ² 1Sr. Scientist & Head, KVK, Jehanabad, B.A.U., Sabour 2 Scientist (Agril. Engg.), KVK Jehanabad		
Electronic Publication (CD/DVD etc)	Video film shooting on various interventions in NICRA village Sakrorha	Dr. Shobha Rani ¹ , Er. J. Kumar ² 1Sr. Scientist & Head, KVK, Jehanabad, B.A.U., Sabour 2 Scientist (Agril. Engg.), KVK Jehanabad		
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 and designation	Date and Duration	Organized by
1.	International Web Conference	<i>Perspective on Agricultural and Applied Sciences in COVID-19 Scenario</i> (PAAS-2020)	Dr. Wajid Hasan, as Chief-Organizing Secretary	04.10.2020 to 06.10.2020	AETDS, US Nagar, Uttarakhand
2.	10 Days National Level Training	Recent Advances in Entomology- New Dimensions to Invigorate the Insect Pest management	Dr. Wajid Hasan, SMS (Entomology)	07.12.2020 to 18.12.2020	Department of Entomology, UHS, Bangalkot, College of Horticulture, Bidar, Karnataka
3.	Webinar	Webinar on 3 Farm Acts: implications for Indian Farmers	Dr. Shobha Rani, Sr. Scientist & Head	31.10.2020, 1 day	SAST and NMIMS Univesity
4.	Webinar	International Webinar on Urban & Peri Urban Agriculture for Livelihood	Dr. Shobha Rani, Sr. Scientist & Head	29-30 July 2020, 2 days	DRASS & ICAR-CAZRI, Rajasthan
5	Webinar	National Webinar on Motivation of Youth towards Agri-entripreneurship and Innovative Farming	Dr. Shobha Rani, Sr. Scientist & Head	04-05 July 2020, 2 days,	JNKVV, Jabalpur, Ganjbasoda, MP
6	Webinar	National Web Conference on Sustainable Fodder production for Improving the livelihood of Small and marginal Farmers	Dr. Dinesh mahto	26.11.2020	BAU, Sabour
7	Webinar	Sensitization workshop on transforming Animal Husbandry	Dr. Dinesh mahto	28.11.2020	ICAR, New Delhi
8	Webinar	National webinar on Exploration of underutilized fruit crops for health and nutritional security for future generation	Dr. Shobha Rani, Sr. Scientist & Head	10.09.2020	University of Horticulture Sciences, Bagalkot
9	Webinar	A decade of conservation agriculture in India- Challenges and opportunities	Jeetendra Kumar, SMS (Agril. Engg.)	04.06.2020	BAU, Sabour
10	Webinar	Approaches towards development of rural and agriculture sector in the present scenario	Jeetendra Kumar, SMS (Agril. Engg.)	8-9 May, 2020	JNKVV, CoA, Tikamgarh
11	Webinar	1st Indian Rice Congress – 2020, Rice Research and Development for Achieving Sustainable Development Goals]	Jeetendra Kumar, SMS (Agril. Engg.)	December 8-9, 2020	ICAR-NRRI, Cuttack
12	Webinar	Impact of water stress on crop productivity: its mitigation and adaptation strategies	Jeetendra Kumar, SMS (Agril. Engg.)	24-26 Nov. 2020	DRPCA, Pusa
13	Virtual meeting	Programme on Rashtriya Poshan Maah	Dr. Shobha Rani, Sr. Scientist & Head	11.09.2020	ATARI, Patna
14	Training	Creating impact through wider date sharing	Sri Ajit Kumar Paswan	-	CSISA & CABI
15	Meeting	ZREAC	Dr. Shobha Rani, Sr. Scientist & Head	03.10.2020	BAU, Sabour

16	Meeting	SAC	Dr. Shobha Rani, Sr. Scientist & Head and all scientist and staffs of KVK	15.10.2020	KVK, jehanabad
17	Virtual Meeting	Extension Council Meeting	Dr. Shobha Rani, Sr. Scientist & Head and all scientist and staffs of KVK	19.10.2020	Virtual
18	Training	Review meeting on skill development training programme on domain and RPL of BSDM	Dr. Shobha Rani, Sr. Scientist & Head and Sri Manoj Kumar, Prog. Asst. (Comp.)	28.12.2020	BAMETI, Patna
19	Training	Soft skill development on application of basics of remote sensing & gis in nutritional crops	Jeetendra Kumar, SMS (Agril. Engg.)	16-20 Jul. 2020	CSAUA&T, Kanpur
20	Training	Conservation agriculture based crop management technologies in climate smart agriculture	Jeetendra Kumar, SMS (Agril. Engg.)	18-20 May. 2020	MPKV, Rahuri

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

IQyrk dh dgkuh : 1

Jh vfHk"ksd dqekj] iq=& LoxhZ; ukxs'oj izlkn] xzke gofYyiqj] iksLV&eksnuxat] Fkkuk&?kks"kh] ftyk&tgkukckn ds fuoklh gSa os bfrgkl esa Lukrd gSa rFkk rhu HkkbZ;ksa esa lcls cM+s gSa buds firkt ,d ikbZosV Ldwy esa f'k{k d FksA lu~ 2017 esa buds firkt dk nsgkar gks x;k tks fd ,dek= ?kj esa dekus okys O;fDr Fks] muds ikl [ksrh dh tehu Hkh ugha gSA csjksxkj gksus ds dkj.k dk;Z dh ryk'k esa budk iwjk ifjokj xkao NksM+dj tgkukckn 'kgj dks pyk vk;kA mlds ckn vfHk"ksd th us iVuk ds ,d gksVy esa yxHkx ,d lky dk;Z fd;k ftlls muds ifjokj dk dk;Z fdlh rjg pyrk jgk blh chp mudh 'kknh gks xbZA ysfdu HkkbZ;ksa dh i<+kbZ Bhd <ax ls ugha gks ik jgh Fkha rks mUgksaus x;k 'kgj ls pqM+h ykdj tgkukckn esa QqVikFk ij cSBdj cspuk 'kq: fd;k ftlls mudk ifjokj fdlh rjg pyus yxkA yxHkx nks lky mUgksaus bl dk;Z dks fd;kA blh chp ekpZ 2020 esa dksjksuk egkekjh vkus ds dkj.k mudk pqM+h cspus dk dk;Z can gks x;k ftlls mudh vkfFkZd fLFkfr [kjkc gks xbZA dksjksuk dky esa gh mUgsa irk pyk fd d'f'k foKku dsUnz] xa/kkj] tgkukckn esa izoklh etnwjksa dks Lojksxkj gsrq izf'k{k.k nsus dk dk;Z fd;k tk jgk gS rks mUgksaus d'f'k foKku dsUnz] xa/kkj vkdj laidZ fd;k rFkk crk;k fd gesa Hkh de ykx esa jksxkj izklr djuk gS rks mUgsa ojh; oSKkfud vkSj i?kkzu us crk;k x;k fd e'k:e mRiknu dj Lojksxkj djds iks"k.k lqj{kk ds lkFk&lkFk vk;&vtZu Hkh fd;k tk ldrk gSA blds lk'pkr mUgksaus e'k:e mRiknu fo"k; ij d'f'k foKku dsUnz esa izf'k{k.k fy;k rFkk viuk jksxkj izkjaHk dj fn;kA

loZizFke mUgksaus vks;LVj e'k:e dk mRiknu 50 cSx ykdj fd;k] ftlls e'k:e mRiknu gksus ds ckn [kqn Hkh [kk;k vkSj vkl&ikl ds yxsxksa dks f[kykjd bldk egRo crk;k rFkk yxsxksa dks cspuk 'kq: fd;kA fQj mUgksaus eglwl fd;k fd;k fd cktj esa vks;LVj e'k:e dh vis{kk cVu e'k:e dh ekax T;knk gS

rks mUgksaus igys 01 fdyksxszke Hkwlk ls daiksLV cukdj cVu e'k:e dk mRiknu fd;k mlls yxHkx 30 fdyksxszke cVu e'k:e izklr gqvk ftlls mUgsa cVu e'k:e dk mRiknu djds dkQh vkfFkZd ykHk gqvk D;ksafd vks;LVj e'k:e dh vis{kk cVu e'k:e dk dhEkr T;knk fey jgk FkkA nwljh ckj mUgksaus 10 fdyksxszke Hkwlk ls daiksLV rS;kj fd;k rFkk cSx cukdj e'k:e dk mRiknu fd;k ftlls yxHkx izR;sd fnu 3 ls 4 fdyksxszke e'k:e fudyus yxkA bl rjg ls og e'k:e ds nksuksa izHksnksa $\frac{1}{4}$ vk;LVj ,oa cVu $\frac{1}{2}$ dk mRiknu IQyrkiwoZd dj jgs gSa rFkk ftls os utnhd ds lCth eaMh esa csp jgs gSaA bls os vc mUgsa yxHkx izR;sd eghus 10 gtkj ls 12 gtkj vkenuh gks jgh gSA og vc cM+s iSekus ij vius dk;Z dks c $+$ kus dks rS;kj gSA og ifjokj ds lnL;ksa ds lkFk feydj e'k:e ds fofHkUu mRiknksa tSlS e'k:e dk vkpkj] lq[kkSrk] bR;kfn Hkh rS;kj dj jgs gSa rFkk muds foi.ku dh fn'kk esa Hkh dk;Z dj jgs gSaA viuh vkenuh ls [kq'k gksdj og vc nwljs yksxksa dks Hkh tks csjgstxkj gSa mUgsa e'k:e mRiknu djus dh lykg ns jgs gSaA





Success Story- 2 Broiler Poultry farming

Name of farmer	Arbind Kumar
Address	Rukum Pura, Block-Modanganj, Distt.- Jehanabad, Bihar
Contact details (Phone, mobile, email Id)	9973341947
Landholding (in ha.)	2500 Broiler Poultry
Name and description of the farm/ enterprise	Broiler Poultry Farm works
Economic impact	2500 Broiler Poultry & 3% Mortality & 4 lot Annually Production Broiler Poultry Total Income = 194000/-
Social impact	Broiler Poultry farming along with dairy fishry, and Agriculture like Paddy, Wheat, Pulse and oily seed production
Environmental impact	
Horizontal/ Vertical spread	



Success story 3: Sustainable Bee Keeping

Name of farmer	Suman Kumar
Address	Jairam Bigha, Jehanabad, Bihar
Contact details (Phone, mobile, email Id)	9135931494
Landholding (in ha.)	20 Bee Boxes
Name and description of the farm/ enterprise	Sustainable Bee Keeping: Mr Suman Kumar is a small farmer having 0.8 acre of land, is a progressive bee keeper and has starting bee keeping as enterprises from 2019 with 20 bee boxes after getting training on Bee keeper under BSDM from KVK Jehanabad. He is a first successful bee keeper

	in Jehanabad District. He is a hard working man, showing keen interest in bee keeping for income generation. In the starting his bee boxes affecting by plume moth, swarming, lizards and yellow wasp. Mr. Kumar has been take action against these problems to protect his bees. Some bee boxes affected with swarming and absconding, he collect those bees from trees and again introduce in bee boxes. In the season 2019-20, he extract 410 kg honey and sale it in local market @ 150-250/kg. The total income of Mr. Kumar from bee keeping was 60,000 during 2019-20, season. He has expertise to produce queen bees, increase his bee boxes from 10 to 22 in his apiary.
Economic impact	Before- 1.1 lakh, after- 1.5 lakh, change in income- 0.4 lakh
Social impact	In the season 2019-20, he extract 410 kg honey and sale it in local market @ 150-250/kg. The total income of Mr. Singh from bee keeping was 60,000 during 2019-20, season. He has expertise to produce queen bees, increase his bee boxes from 10 to 22 in his apiary
Environmental impact	Some bee boxes affected with swarming and absconding, he collect those bees from trees and again introduce in bee boxes
Horizontal/ Vertical spread	Mr Kumar happy and will expend his entrepreneur as 50 boxes in 2020-2021. After Mr. Kumar successful, there are 6 rural youth has enrolled in BSDM training to start their entrepreneur.



Success story 4: Mustard var. Rajendra Sufalam

Name of KVK	KVK, Gandhar, Jehanabad
Crop & variety	Mustard, Rajendra Sufalam
Farmers Name & Address	Amresh Kumar, S/O- Sri Mangal Prasad, Vill- Chhapanna, Block- Ghosi, Dist- Jehanabad.
Background Information	2. Brief description of the farm/enterprise: Sri Amresh Kumar is a progressive farmer. Farming situation is medium upland condition. Rice-Mustard/wheat/Lentil is major cropping

	system in his village. During rabi season, wheat is prominent crop followed by mustard/Lentil. He came in contact with Krishi Vigyan Kendra, Jehanabad where he got technical guidance and training by Scientist (Agronomy) on scientific cultivation of mustard and he got mustard seeds var. Rajendra Sufalam and pesticide (Thio-methoxam) for aphid control under CFLD Project along with seed treatment fungicide carbendazim for disease prevention and use of PSB for utilization of phosphorus present in the soil in complex form.. This technology increased in yield of mustard by 20% over local check variety and resulted in net gain of Rs. 43350/ha which is Rs. 9140 more than the check variety.
Technology Demonstrated	Rajendra Sufalam+Carbendazim+PSB+Thio-methoxam+Sulphur
Institutional Involvement	Inputs were mustard seed variety Rajendra Sufalam with Pesticide for aphid (Thio-methoxam) were supplied to the farmer under Cluster Frontline Demonstration Program along with fungicide and bio-fertilizers as seed treatment. and regular visit to the farmers field and technical suggestions for the problems.
Success Point	Improved seed variety and Thio-methoxam for aphid control along with seed treatment with carbendazim for disease prevention and use of PSB for utilization of phosphorus present in the soil in complex form.
Outcome Yield (q/ha) -Demonstration -Potential Yield of variety/technology District average (Previous year) State average (previous year)	16.4 20 16.7 12.38

Performance of technology vis-à-vis local check(Increase in productivity and return)

Practice used	Yield q/ha	Total cost of cultivation	Gross income	Net income	Cost benefit ratio	%Increase
Farmers Practice	13.67	20450	54680	34230	2.7	-
Package Demonstration	16.4	22250	65600	43350	2.9	20

Quality Photographs:



Success story 5: Use of Happy Seeder for wheat sowing without paddy straw burning

1. Name and address of the farmer:-Deepak Kumar ,
Vill- Saistabad, Block- Modanganj, Distt.-Jehanabad
3. Contact no.: 7717754291
4. Age:.34 yr
5. Holding size (in ha): 6.4
6. Educational qualification: Graduate (BCA)
7. Experience in farming: 12 Years
8. Brief description of the farm/enterprise:Mr. Deepak Kumar is a progressive farmer of village Saistabad, Block-Modanganj. Rice-wheat is major cropping system in his village. During rabi season, wheat is prominent crop. He sow wheat after 3-4 ploughing followed by planking and broadcast seed and fertilizer, which causes delay in wheat sowing and involved high cost of cultivation also. After paddy harvesting though combine harvester, ample quantity of paddy straw remains in the field that created problem in field preparation and sowing of wheat. He came in contact with KrishiVigyan Kendra, Jehanabad where he got technical training by Scientist (Agril. Engg.) on use of happy seeder for wheat sowing in this condition. He used 9 rows happy seeder machine for sowing wheat var. HD 2967 by zero tillage technology without paddy straw burning. Happy Seeder saved Rs. 4600/- per ha in cost of cultivation of wheat including saving in ploughing cost, saving in labour cost due to non-burning of paddy straw as well as saving of irrigation water. This technology advanced wheat sowing by 8-10 days and caused a yield increase of 18 % as well less weed infestation.

9. Quote of the farmer: This technology lowered cost of cultivation, straw act as mulch material and helps in minimizing irrigation water and gave better yield.

10. Economics of the farm:

Crop/Livestock/ Fish/Enterprise	Area (ha)/No.	Cost of Production *(per unit)	Return (Rs. Per unit)	Net Income (Rs. per unit)	Total Income (Rs.)
Paddy	6.4	33400	72600	39200	250880
Wheat (Happy Seeder)	4	29600	80850	51250	205000
Chickpea	0.8	30000	60937	30937	24749.6
Lentil	0.8	24000	50400	26400	21120
Mustard/rapeseed	0.8	20500	46462	25962	2076.9
					503827

*includes cost of input, labour and others including marketing and transport of the products.

11. Income level before adopting such farming technology:

Enterprise	Area (ha)/No.	Cost of Production*(per unit)	Return (Rs. Per unit)	Net Income*(per unit)	Total Income (Rs.)
Wheat (Broadcastin g method)	4	34200	67375	33175	132700

Suitable action photographs



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	No. of farmers involved	Market available (Y/N)

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
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		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
0	117	117

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

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil	117	18	117	-
2.	Water	-	-	-	-
3.	Plant	-	-	-	-
4.	Fertilizers	-	-	-	-
5.	Manures	-	-	-	-
6.	Food	-	-	-	-
7.	Others (if any)	-	-	-	-

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Training, farmers scientist interaction , quiz on soil test and soil conservati on & distributio n of Soil	61	-	-	5	55

	Health Card					
--	-------------	--	--	--	--	--

3.12. Activities of Rain Water Harvesting structure and micro irrigation system

No of training programme	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)
4	2	-	68	2

3.13. Technology week celebration

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

3.14. RAWA/ FET programme - is KVK involved? (Y/N): Y

No of student trained	No of days stayed
3	180

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
26.01.2020	Sri Jai Kumar, Hon'ble Minister, Science & Technology, Govt. of Bihar	Put the milestone of IFS model
	Sri Navin Kumar, DM, Jehanabad	
	Sri Sunil Kumar, DAO, Jehanabad	
	Sri Rakesh Kumar, Deputy PD, ATMA and line department official	
15.10.2020	Dr. R.N. Singh, ADEE, BAU, Sabour	SAC meeting
	Dr. Amrendra Kumar, Principal Scientist, ATARI, Zone-IV, Patna	
	Sri Arvind Kumar Singh, Deputy Director, Plant Protection, Jehanabad	
	Md. Ragib Hussain, Fishery Extension Officer, Jehanabad	
	Sri Aviran Kumar Singh, JEEVIKA representative	
	Dr. Manoj Kumar Sinha, District Animal Husbandry Officer	
	Sri Pankaj Kumar, Block Horticulture Officer, Jehanabad	
	Kumar Ritesh, DDM, NABARD, Jehanabad	
14.12.2020	Smt. Sonika Mandilwar, CDPO, Modanganj	Virtual Inuaguration of CRA programme by Hon'ble Chief Minister of Bihar & live demo. of wheat sowing by Happy Seeder at KVK, farm
	Sri Sunil Kumar, DAO, Jehanabad	
	Sri Rakesh Kumar, Deputy PD, ATMA and line department official	

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	74	10000	180000
Dairy farmer (entrepreneurship)	20	70	5000	20000
Animal Health Worker	20	80	-	60000
Mushroom Grower	70	65	0	6000
Bee Keeper	75	55	0	24000
Pesticides & fertilizer applicator	30	90	2000	22000

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Backyard Poultry	35
Dairy	50
Goatry	34
Value addition in paddy straw	46
Mushroom Production	38
Zero tillage	18

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	78%
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	72%
4	Income generating activities Like, poultry, dairying, goatry, processing (%)	Mainly small and medium farm families are involved	51%
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	1050
9	Bee Keeping (%)	For income generation	32%
10	Mushroom Production (%)	Nutrition security and income	48

		generation	
11	Pulse crop coverage (Lentil, chickpea, field pea, pigeonpea), ha	CFLD	16974
12	Oilseed crop coverage (Musturd, Linseed), ha	CFLD	1634
13	Drought Tolerant Paddy (Sahabhagi), ha	Higher adoption	310
14	Medium Duration Paddy(R.Sweta, S. Ardhjal), ha	Higher adoption	2400
15	SRI Paddy, ha	In areas of assured irrigation	640
16	Community Nursery (Paddy), ha	For intervention by community basis	35
17	Green Manuring (Green Gram, dhaincha), ha	Organic farming	3400
18	No. of Pheromon trap used in paddy	IPM	200

4.4. Details of innovations recorded by the KVK

Thematic area	Disease management
Name of the Innovation	Control of prolapse in cattle
Details of Innovator	Sri Ranjeet Kumar
Back ground of innovation	Dairy farmer
Technology details	Kacha papaya + Tulsi leaves, Dose- 2-2.5 kg /day orally for 10 days
Practical utility of innovation	Control of prolapse in pregnant cattle

Thematic area	Milk production
Name of the Innovation	Milk let down in dairy cattle
Details of Innovator	Sri Shiv Narayan Yadav
Back ground of innovation	Dairy farmer
Technology details	Dudhiya grass, 1-1.5 kg/ day
Practical utility of innovation	Milk let down in cattle

4.5. Details of entrepreneurship development

Entrepreneurship development				
Name of the enterprise	IFS model			
Name & complete address of the entrepreneur	Sachhidanand Singh, village- Shahapur ,Jehanabad Block			
Role of KVK with quantitative data support:	Technical support			
Timeline of the entrepreneurship development	Technical support alongwith training by KVK, Jehanabad			
Technical Components of the Enterprise	Pond, plant, fish, duck, dairy, banana, papaya, mango			
Status of entrepreneur before and after the enterprise	Crops	Area/variety	Production	Annual Income
	Paddy	8 Acre, (Rajendra Mansuri, sweta,sonam)	250 qt.(500 man)	3,50,000.00
	Wheat	3 Acre, (HD 2733, Lok-1 etc.)	50 qt.	1,50,000.00
	Dalhan	4 Acre, (moong ,	50 qt.	1,00,000.00

		lentil,)		
	Telhan	1 Acre(mustared ,linseed)	12 qt	50,000.00
	Fisheries (3 ponds)	0.5 Acre(Rahu , cattla, Mirgal, jasar)	50 qt.	5,00000.00
	Dairy (10 cows)	0.25 Acre(sahiwal Gir &cross)	1500liters	6,00000.00
	Green fodder	0.25 Acre(Berseem jai maize ,sorghum &cow pea)		Only for use
	Horticultural crops	Mango(150), Guava, Banana,Teeks(100), mahogani (150),mahuwa,Lemon & jamun .		Growing stage
	Total Income			17,50,000.00
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):		Raw material easily available from nearby area as well labour availability in nearby villages. Mr. Sachidanand Kumar sell the products at Jehanabad and Patna city		
Horizontal spread of enterprise		10 farmers interact and adopt the component of IFS model		

Entrepreneurship development	
Name of the enterprise	IFS model
Name & complete address of the entrepreneur	Arbind Kumar, Father name- Awadhesh Ram, Vill-Rukunpura, Post- Jaitipur Kurwa, Block- Modanganj, P.S.- Ghosi Jehanabad
Role of KVK with quantitative data support:	Skill development training by KVK, Daily advice from KVK scientist, Training
Timeline of the entrepreneurship development	Technical support alongwith training by KVK, Jehanabad
Technical Components of the Enterprise	Pond, Poultry farm, Cow shed, Fodder production
Status of entrepreneur before and after the enterprise	Before, His income is around 7000/- per month by private job, after entering into the IFS, he earn about 48000 to 50000 per month
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Pond, Poultry farm, Cow shed, Fodder production
Horizontal spread of enterprise	3 farmers of his village interact and adopt the component of IFS model

4.6. Any other initiative taken by the KVK

- Advisory on different agricultural technology and allied practices including handling of crop harvesting equipments and distribution of mask among farmers during lockdown period due to COVID-19
- Running Climate Resilient Agriculture programme in 05 adopted villages
- 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 Gandhar Agro. Tech farmers producer company limited, Modanganj, Jehanabad and Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad

5. 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 2020 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NICRA village Sakrorha	Component demonstration on climate resilient technologies	Jan-Dec. 2020	ICAR	-
Animal Health Camp	Animal Health Camp	26.02.2020	Bihar Govt.	-
Rashtriya Poshan Maah	Inauguration cum orientation workshop of National Nutrition month under the CHairmanship of Hon,ble DM, Jehanabad	07.09.2020 08.09.2020 17-9-2020 21.09.2020 25.09.2020	ICAR	-
	Distribution of planting material (Mango) for nutrition garden			
	Training-cum-awareness programme & Nutri garden kit distribution			
	Training-cum-awareness programme & Nutri garden kit distribution			
Kisan Mela	Mela and exhibition	23-25 Feb, 2020	BAU, Sabour	17000
District level Krishi task force	Meeting	01.12.2020	DM Office	

Virtual meeting on proposed training programme on fisheries	Virtual meeting	22.12.2020	ICAR & Dept. of Fisheries, Govt. of India	-
Virtual (live) telecast of CRA programme in the presence of Hon'ble CM of Bihar and farmers in KVK Farm	Virtual (live) telecast of CRA programme	14.12.2020	Bihar Govt.	-
Meeting on IISF agriculture scientist meet	Meeting	23-24 Dec. 2020	ICAR	-
Awareness among farmers and farm women under Swachta Pakhwara (16 th Dec. to 31 st Dec.)	Swachta Pakhwara	16 th Dec. to 31 st Dec.	ICAR	-
Wheat, lentil and chickpea were sown under CRA programme by ZTT methods in the selected villages Korma, Chappanna, Mananpur, Waina & pariyama	Sowing by ZTT method	-	Bihar Govt.	
Assessment of training Animal Helath Worker	Assessment	10.11.2020	ASCI, India	
Assessment of training Mushroom Grower	Assessment	11.11.2020	ASCI, India	
Demonstration of chickpea & lentil	NICRA village	Nov.	ICAR	
Project Unnati Stakeholders	Meeting	22.09.2020	Bihar Govt.	
Kisano ki baat Krishi Mantri ke sath	Virtual programme	24.09.2020	Bihar govt.	
Interaction with farmers on the topic Krishi main gandhiwadi darshan on the eve of 150 th Gandhi Jayanti	Awareness programme	28-30 Sept. 2020	-	
Seed council meeting	Meeting	30.09.2020	BAU, Sabour	
OFT finalization workshop	Workshop	30.09.2020	ICAR	
Study, practical, field visit & survey in villages of students of RAWE programme	RAWE programme	-	ICAR	

Under CRA programme wheat, lentil and chickpea seeds were sown by Zero tillage methods in selected villages	CRA programme	-	Bihar Govt.	
---	---------------	---	-------------	--

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

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Live telecast of Hon'ble PM	Creating awareness among farmers community	25.12.2020 14.12.2020 26.01.2020 29.08.2020 10.09.2020 18.09.2020	ICAR	
Swachh Bharat Abhiyan and Poshan Vatika Karyakaram	Training	25.09.2020, 26.09.2020, 27.09.2020, 30.09.2020	ICAR	
Workshop on CFLD	CFLD	08-10 feb 2020	ICAR	
DAESI Programme	DAESI Programme	Jan- Dec. 2020	ATMA	-
OFT finalization	OFT finalization	04-05 March 2020	ICAR	
District level Rabi mahotsav	Training	22.10.2020	ATMA, Jehanabad	-
Krishi Yantrikaran Mela	Mela & exhibition	13-14 Jan. 2020	DAO, Jehanabad	-
Soil health card Mela	Demonstration cum Mela	19.02.2020	DAO, Jehanabad	
Agro, Bihar(State level Agricultural Mechnization Fair)	Mela & exhibition	14-15 Feb 2020	ICAR	-
Vigilance Awareness week	Awareness	27 Oct to 02 Nov. 2020	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 /breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom Unit	2013	75 (Sq. mt)	Oyster	Oyster Mushro om	17.1 kg	-	1710	
				Mushro om (Spawn)	Mushro om (Spawn)	50	-	5000	
2.	Vermi Compos t Unit	2014	144 sq. ft.	Vermi compost	Vermi compost	-	-	-	Used in KVK farm
	Total					67.1		6710.00	

6.2.Performance of Instructional Farm (Crops)

Name	Date of	Date of	☞ ☜	Details of production	Amount (Rs.)	Remark
------	---------	---------	-----	-----------------------	--------------	--------

Of the crop	sowing	harvest							s
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	19.12.2019	21.04.2020	4.6	HD2967	F/S	65.0	144084.0	242	
Wheat	20.12.2019	21.04.2020	1.0	S. Nirjal	F/S	21.0		916	
Paddy	16.06.2020	01.12.2020	4.6	R. Sweta	F/S	135.0	227296.0	Storage in godown	
Paddy	24.06.2020	01.12.2020	1.0	S. Ardhjal	F/S	23.0			
Wheat	08.06.2020	-	4.0	HD2967	F/S	-			
Wheat	10.06.2020	-	1.0	S. Shretha	F/S	-			
Veg. Pea	29.11.2029	17.03.2020	0.4	Kashi Ageti	F/S	2.0	11490.0		

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.	Vermicompost				

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.							

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)
10.02.2020-17.10.2020	20	43	Break due to lockdown dring COVID-19
06.02.2020-07.03.2020	20	30	-
02.03.2020-23.01.2021	30	28	Break due to lockdown dring COVID-19
Total :	70		

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staffquarters: 6

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Jan-Dec. 2020	✓	✓	✓	✓		

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	-	597000	-	272178	324822

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2020
	Kharif	Rabi	Kharif	Rabi	
Chickpea	-	38700	-	80820	42120
Lentil	-	38700	-	55587	16887
Fieldpea	-	38700	-	81070	423710

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	10000000	10000000	9832146
2	Traveling allowances	100000	100000	100000
3	HRD	25000	25000	19000
4	Contingencies			
A	Stationery, OE, POL etc.	500000	500000	500000
B	Training of farmers	270000	270000	269956
C	OFT	95000	95000	85150
D	FLD	70000	70000	69917
E	Maintenance of building	25000	25000	24197
F	Extension activities	25000	25000	25000
G	SCSP General	50000	50000	50000
H				
I				
J	Swachhta Expenditure	30000	30000	25660
TOTAL (A)		11190000	11190000	11001026
B. Non-Recurring Contingencies				
1	SCSP capital	30000	30000	30000
2				
3				
4				
TOTAL (B)		30000	30000	30000
C. REVOLVING FUND		949931	949931	464393.40
GRAND TOTAL (A+B+C)		12169931	12169931	11495419.40

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
2019	5707026.79	590819.00	361289.10	5936554.69+kind
2020	5707026.79	949931.00	480393.40	6176564.39

7.6. (i) Number of SHGs formed by KVKs: 5

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: 56

- Milk.
- Vegetable production.
- Goatry.
- Mushroom production.
- Agarbatti Making
- Decorative items making by use of Paddy straw
- Dairy
- Poultry
- agro processing
- Apiary

(iii) Details of marketing channels created for the SHGs:

- Mahila Bank,
- Gramin Bank,
- Local market Patna, Gaya, Nalanda,
- Magadh dairy Co-operative Gaya
- Agricultural Institutions

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			✓
Annual health Camp	01	Rabi	✓		
Kharif workshop	01	Kharif			✓
Rabi workshop	01	Rabi			✓
Soil health awareness programme	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

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 YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	435	625891
Livestock	89	131067
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	5	7360
Training information	5	7360
Other	-	-
Total	534	814678

9.4. KVK Portal and Mobile App

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

9.5 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
---------	------------	-------------------	------------------------	----------------

1.				
2.				
3.				
4.				
5.				

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
16-31 Dec 2020/ 16 days	1. Oath taken by KVK, Staffs				
	2. Cleaning of office corridor & premises, Cleaning & maintenance of stock office				
	3. Swachta awareness programme about crop residue management				
	4. Sanitation and SWM, Cleanliness and sanitation drive with campuses and surrounding including residential colonies, farm and demonstration units				
	5. Use of compost, home waste material and promoted clean and green technologies including organic farming in kitchen garden established in residential area of KVK Farm				
	6. Campaign on recycling of waste water, water harvesting for agriculture				
	7. Cleaning drive in office premises				
	8. Kisan Day celebration				
	9. Swachhata awareness at village level				
	10. Celebration of Hon'ble Vajpaiji Birthday and Awareness camp on cleanliness				
	11. Organise quiz competition on cleanliness				
	12. Awareness on waste management and utilization of organic waste				
	13. Campaign on cleaning of sewerage and water lines, Application of home waste in kitchen garden				
	14. creating awareness among the farmers for safe disposal of bio-degradable and non bio-degradable waste				
	15. Awareness camp on cleanliness				
	16. Awareness camp on cleanliness and plantation at KVK campus	12	474	0	486

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	4	-
2. Basic maintenance	6	-
3. Sanitation and SBM	1	-
4. Cleaning and beautification of surrounding areas	2	5000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1	1000
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	5	-
8. Swachhta Workshops	1	-
9. Swachhta Pledge	3	-
10. Display and Banner	4	1000
11. Foster healthy competition	2	-
12. Involvement of print and electronic media	6	-
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	14	-
15. No of VIP/VVIPs involved in the activities	2	-
16. Any other specific activity (in details)	-	-
Total		7000

9.7. Observation of National Science day

Date of Observation	Activities undertaken

9.8. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.9. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.10. Details of 'Pre-Rabi Campaign' Programme

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

9.11. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness on Gandhian Philosophy in agriculture, organic farming, swachhata programme	2	68	-	-

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness among farm women	6	34	0	0

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Shankar Singh	Vill.- Gandhar, Modanganj	Progressive
2	Sachidanand Sharma	Vill.-Shahpur pinjora, Block-Jehanabad	Progressive
3	Bhushan Sharma	Vill.- Jaikishunbigha, 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. Sunita Kumari	Vill.-Tehta, Makhdumpur, Jehanabad	Innovative
18	Sri Shivnarayan Yadav	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. Indu Kumari	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

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Interest	392084.00	Bank Balance
2.	Krishak Sandesh	12000	Sale of Krishak Sandesh

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	NICRA	NICRA	CRIDA	780195	-
2	BGREI	BGREI	BAU, Sabour	10000	-
3	ASCI	Skill development	ICAR	268646	-
4	STCR	STCR	ICAR	20000	-
5	Jal Shakti Abhiyan	Jal Shakti Abhiyan	ICAR	300000	-
6	PKVY	PKVY	ICAR	50000	-
7	ASCI (Mushroom Grower)	Skill Development	ICAR	179985	-
8	Plantation Programme	Plantation	ICAR	10000	-
9	NADCA	NADCA	ICAR	15000	-

9.16. Performance of Automatic Weather Station in KVK

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

9.17. Contingent crop planning

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

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

- a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2020

Sl.	Activities	Physical Achievement	
		No. of Trainings/Demos	No. of beneficiaries
1)	Trainings		
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		

f.	Testing of Soil, water, plant, manures samples (Nos.)	
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

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

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

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

d. Location and Beneficiary Details during 2017-18

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

12.Details of SCSP

Sl.	Activities	Physical Achievement	
		No. of Trainings/Demos	No. of beneficiaries
1)	Trainings		
a.	Farmer	27	153
b.	Women	27	124
c.	Rural Youths	12	50
d.	Extension Personnel	10	65
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		-
c.	Production of Planting material (No. in lakh)		-
d.	Production of Livestock strains (No. in lakh)		-
e.	Production of fingerlings (No. in lakh)		-
f.	Testing of Soil, water, plant, manures samples (Nos.)		

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted										Remarks
				SC		ST		Other		Total				
In-situ moisture conservation practices				M	F	M	F	M	F	M	F	T		
Bund strengthening in paddy(Sahbhagi)	8	8	7	2				6		8	-	8		
Land leveling of paddy field (Sabour Ardhjal)	6	6	3	1				5		6		6		
8 Ponds Renovated earlier in previous years	8	92	124	2				6		8		8		
8 chekdams constructed earlier in previous years	8	135	122	25	10			70	30	95	40	135		
10 units of 5 % model pond Renovated earlier in previous years	10	10	2	2				8		10		10		
Construction of (2) Ground water rechargeable Bore well in existing pyne in previous year	75	75	-	15	10			30	20	45	30	75		
Construction of (2) Roof water harvesting cum rechargeable structure (2800 sq.ft)	2	2	-					2		2		2		
Use of Rotavator in paddy field prep.	1	1	12	5	2			31	7	36	9	45		
Zero Tillage Technology, wheat (S. Nirjal)	8	8	5	2				6		8		8		
Happy Seeder, Wheat HD 2967	10	10	9.5	2				8		10		10		

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												
Elephant Footyam(var. R. Sonia)	6.80	6	5			14	15	20		40		
Lentil (var.HUL-57)	12.5	1 4	4			30	7	44	1 1	57		
Chickpea(Var.PG-186)	6.25	1 6	2			32	3	48	5	53		
Coriander(Var. P. Haritima)	2.10									22		
Fenugreek(var. R. Kanti)	1.50									14		
Contingency crop planning												
Pegeonpea as alternate crop for uplands(Var. LRG-41	5.0	6				12	1	18	1	19		
Crop diversification Turmeric(var.R.Sonia)	0.80	6	2			12	5	18	7	25		
Drought tolerant varieties												
Short duration, drought tolerant paddy(Var. Sahbhagi, S. Ardhjal)	1						4	-		4		
Water saving paddy	1						3			3		

cultivation methods (SRI Var. R. Suvasani)											
Location specific intercropping systems with high sustainable yield index											
Linseed (5%) + Chickpea (95%)	12.5	8	5			10	2	18	7	25	
Lentil (80%) + Mustard (20%)	14	6	3			9	2	15	5	20	
Chickpea (80%)+ Coriander(20%)	8.5	6	4			12	2	18	6	24	
Water saving paddy cultivation methods (SRI, aerobic, direct seeding var. Prabhat,Sahbhagi)	4.5	2				10		12		16	
Community Nursery for delayed monsoon											
Use of pond Water (Paddy Var. R.Sweta, Sahabhagi, chandan. Komal)	2.75	5	4			28	8	33	1 6	45	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Management of fish ponds / tanks during water scarcity and excess water in renovated pond(Fish farming)													
Goat vaccination	82		65	10	5			52	15	62	20	82	
Mud based Shelter Bamboo+Paddystraw+mud+ one side brick wall for cattle	66		54	8	4			45	9	53	13	66	
Improved shelters for poultry brick + bamboo+mud+straw	106		90	18	6			72	10	90	16	106	
Silage making using silage bags													
Fodder demonstration, Sorghum (csh-24,csv-33)	15		14	2				9	4	11	4	15	
Oat var. kent	4			10	8			15	5	22	13	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		95	20	4			73	11	93	15	108	
Mechanization through custom hiring for timely planting		25.5	3				21	2			26	

Fodder bank		0.6	4	2			26	6	30	8	38	
Seed bank		0.4									14	
Community nursery		2.75	5	4			28	8	33	16	45	
Nutritional garden		0.2	2	1			7	4	9	5	14	
Community irrigation		19									17	
Seed bank	Sahbhagi	16	0		2	2	10	2	12	4	16	
Custom hiring centres for timely planting (Rotavator, Leveller, disk harrow, Reaper, M.B. Plough, DSR, Bund former)	Paddy	35	45									
Collective marketing	Milk	260 L/Day	8 Unit									
Climate literacy through a village level weather station	Paddy & pulses	45	-									

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Training on Rooftop water harvesting	1	2				11		13	-	13
Kisan club / SHG formation& functioning	1	2				11		13	-	13
Making green mango squash	1					8		8	-	8
Used of DSR machine for paddy sowing	1					8		8	-	8
Scientific grain storage	1	1				11		12	-	12
Judicious use of surface water in Paddy	1	1				11		12	-	12
Nutritional Gardening	1	1				9		10	-	10
Supplemental irrigation in paddy using water harvesting structures	1	1				9		10	-	10
Nutritional Gardening.	1	3	2			14	3	17	5	22
Operation and maintenance of crop harvesting machines.	1	3	2			14	3	17	5	22
Feeding management of dairy cattle.	1	3	2			14	3	17	5	22
Use of metallic bin for scientific grain storage.	1	2	0			12	0	14		14
Operation and maintenance of Zero tillage machines.	1	2	0			12	0	14		14
Green fodder management	1	2	0			12	0	14		14
Scientific grain storage	1	2	2			11	1	14	3	17
Calibration of Zero Tillage machine	1	2	2			11	1	14	3	17
Clean milk production	1	2	2			11	1	14	3	17

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	13					82		82		82
Agro advisory Services	6	18	7			68	8	86	15	101
Popular extension literature	3									3
NICRA Review Workshop	2					1	1	1	1	2
Scientist visit to field	12									

Detailed report should be provided in the circulated Performa

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

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose
1	Best KVK scientist Award :2020	2 nd National conference of society of krishi vigyan, Ludhiyana	Certificate	2 nd National conference of society of krishi vigyan
2	Global Academic Award :2020	Pashu Parharee, Tata	Certificate	Pashu Parharee

b) Award received by Farmers in year 2020

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
	Ist Prize in Flower Garland Making	Sri Umesh Bhagat					State level Flower Exhibition, Gyan Bhawan, Patna, 06-08 Feb. 2020	State level Flower Exhibition, Patna
	Ist prize in White melon (Bhatua)	Prabhat Kumar (Guddu Kr.)					State level Vegetable Exhibition cum Competition Patna, 17-19 Jan 2020	State level Vegetable Exhibition cum Competition Patna
	3rd prize in Bitter Gourd	Prabhat Kumar (Guddu Kr.)					State level Vegetable Exhibition cum Competition Patna, 17-19 Jan 2020	State level Vegetable Exhibition cum Competition Patna

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Gandhar Agrotech			Need based / Demand of	paddy ,wheat ,	156		Timely available

	farmers producer company limited			rabi and Kharif seed	lantil chickpea, seed and fertilizer			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, Jaikishunbi gha		150212443, NABARD				0.05	
6	Pragatishee IKrishak Club, Keshopur		150212431, NABARD				0.05	

17. Integrated Farming System (IFS)

A) Details of KVK Demo. Unit

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

B) Activities under IFS

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

18. Technologies for Doubling Farmers' Income

Sl.	Name of	Brief Details of	Net	No. of	One high resolution 'Photo' in 'jpg'
-----	---------	------------------	-----	--------	--------------------------------------

No .	the Technology	Technology (3- 5 bullet points)	Return to the farmer (Rs.) per ha per year due to adoption of the technology	farmers adopted the technology in the district	format for each technology
1	Bee Keeping	- Honey production - Queen bee production - Bee wax production - Bee colony multiplication and sell	60,000 unit/yr	20	
2	Goat farming	- Stall feeding - Control kid mortality - Deworming & vaccination	500000 per year	50 (Goat No. 20-50)	
3	Poultry farming	- Backyard poultry farming - Egg & meal purpose i.e. Jharsim, vanaraja & gram priya	40000 per year	70 (Poultry No. 50-100)	
4	Dairy farming	- tail to tail housing system - Control of heat stress - Regular deworming & vaccination - Computation of ration (Feed block & UMMB)	500000 per year	85 (10-20 cows)	

5	Fish farming	• IFS model • Fish raring	550000 per year	150	
6	Mushroom production	• Spawn production, • Mushroom marketing, • processing of mushroom, • Preservation of mushroom as pickles, dry power	100000 unit/yr	90	
7	Pig farming	• Desi pig	150000 per year	20	

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

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

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

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
26.01.2020	Sri Jai Kumar Singh	Science & Technology & Nodal Minister of Jehanabad, Govt. of Bihar	Inauguration of IFS system

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

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17	Bee keeper	Dr. Wajid Hasan	02.02.2017	10.03.2017	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	
2019	Mushroom Grower	Dr. Shobha Rani, Sri Kundan Kumar Sri ,Ramlakhan Thakur,	22.11.2018	16.12.2018	20	Y	165185.00
	Dairy farmer	Dr. Dinesh mahto	16.11.2018	10.12.2018	20	Y	154046.00
	Mushroom Grower (BSDM)	Dr. Shobha Rani, Sri Kundan Kumar, Sri ,Ramlakhan Thakur,	15.02.2019	26.03.2019	30	Y	
	Bee keeper (BSDM)	Dr. Wajid Hasan	01.03.2019	02.04.2019	25	Y	
2020	Animal Health Worker	Dr. Dinesh Mahto, SMS (Animal Sc.)	10.02.2020	17.10.2020	20	Y	
	Mushroom Grower	Dr. Shobha Rani, Sr. Scientist & Head	06.02.2020	07.03.2020	20	Y	
	Bee Keeper (BSDM)	Dr. Wajid Hasan	02.03.2020	24.01.2021	30	-	

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

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

22. Information of NARI Project(if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project
Dr. Shobha Rani	-	-	-	9		

Progress Information of NARI Project

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Maulabigha, Sakrorha, Ghanshyam Bigha, anatur, Modanganj	Backyard/Kitchen garden	15	20X5=100 60X3=180 50X3=150 40X3=120 15X5=75 25X5=125 30X6=180 22X5=110 30X7=210 32X9=288 45X5=225 18X7=126 25X9=225 20X6=120	15 families
2.	-	Community level	-	-	-
3.	-	Terrace Garden	-	-	-
4.	-	Vertical Garden	-	-	-
TOTAL					

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

Name of Nutri-Smart Village	Season	Activity (FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others)	Name of Crop	Variety	Area (ha)	No. of beneficiaries
Tilkai, Nauru, Shaistabad, Sakrorha, Shahpur, Bhadsari, Khalispur, Gandhar, Mananpur	Rabi 2020-21	1	Cereal	Wheat	BHU-31 BHU-25 WB 02	3.4	14

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of	Name of Value	Activity	No. of farmers/
-----------------------------	---------	---------------	----------	-----------------

	Crop/veg./fruits/other	added product	(OFT/FLD)	beneficiaries
Maulabigha, Sakrorha, Ghanshyam Bigha, anatur, Modanganj	Tomato, Mango, Potato, Guava, Awanla, Papaya, Turmeric, Bengal Gram, Mushroom	Sauce, ketchup, Chipps, Pickles, Jelly, Jam, Squash, Turmeric Powder, Bengal Gram Flour, Roasted Gram Flour, Mushroom Products	FLD	154

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No. of courses	No. of beneficiaries
Maulabigha, Sakrorha, Ghanshyam Bigha, anatur, Modanganj	Value Addition, Nutrition gardening, Food processing, Post harvest technology, Mushroom production, Fruit & vegetable preservation, Drudgery reduction, Nutrition education	13	400

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Maulabigha, Sakrorha, Ghanshyam Bigha, anatur, Modanganj	Training, demonstration, Kisan gosthi, Field day, important days celebration, Nutrition week	15	298

Celebration of poshan Maah:

Date	Name of Event	Type of participants (farmer/ farm women/ anganwadi workers, etc)	Venue	Total No. of participants
07.09.2020	Inauguration cum orientation workshop of National Nutrition month under the CHairmanship of Hon,ble DM, Jehanabad	Hon'ble DM, Jehanabad, DDC, Jehanabad, DPO, Jehanabad All line department officials, CDPO of all 7 blocks Lady Supervisors, DPM, JEEVIKA	District Collectrorate, Jehanabad	35
08.09.2020	Distribution of planting material (Mango) for nutrition garden	Farmers & farm women of NICRA village, Sakrorha	KVK Campus	42
17-9-2020	Training-cum-awareness programme & Nutri garden kit distribution	Up- Pramukh, Modanganj (Public representative), District Programme Officer (DPO), ICDS, Child Development Project Officer (CDPO) (6 Block) Ghosi, Ratni Faridpur, Hulashganj, Kako, Jehanabad, Modanganj Area Officer, IFFCO, Jehanabad, Chairman, PACS, Jehanabad, JEEVIKA represetative-1, Lady Supervisor-17	KVK Campus	89
21.09.2020	Training-cum-awareness programme & Nutri garden kit distribution	Pramukh, Kako (Public representative) Child Development Project Officer (CDPO) (1 Block) Hulashganj Lady Supervisor-2	KVK Campus	82

23.09.2020	Layout of nutrition garden and training on preparation of Nutritional Value added products	Farm Women	KVK campus	15
25.09.2020	Training-cum-awareness programme & Nutri garden kit distribution	Anganwadi worker & farm women	KVK Campus	15
26.09.2020	Training on Nutri Garden, Nutri Thali & Bio-fortified crop varieties	farmers & Farm women of NICRA village, Sakrorha	Off Campus	22
30.09.2020	Training on Nutri Garden, Nutri Thali & Bio-fortified crop varieties	farmers & Farm women of NICRA village, Sakrorha	Off Campus	23

23. Activities under KSHAMTA

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

24. Activities under MGMG:

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

25. Activity information of Farmer FIRST Programme (FFP)

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

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

Krishi Kalyan Abhiyan- I/II

A. Training

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

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

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

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											

Krishi Kalyan Abhiyan- III

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

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

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

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






