

PROFORMA FOR ANNUAL REPORT 2021(1st January-31st December 2021)

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 2021)

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	Level 13, Basic- 156900	15.05.2012	Permanent	Gen
2.	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Animal Science	Level 10, Basic- 71100	16.04.2012	Permanent	Gen
3.	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Agril. Engg.	Level 10, Basic- 89800	12.11.2007	Permanent	BC
4.	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Entomology	Level 10, Basic- 71100	16.04.2012	Permanent	Gen
5.	Subject Matter Specialist	Sri Ajit Kumar Paswan	Subject Matter Specialist	Agronomy	Level 10, Basic- 71100	19.04.2012	Permanent	SC
6.	Subject Matter Specialist	-	-	-		-	-	-
7.	Subject Matter Specialist	-	-	-		-	-	-
8.	Programme Assistant	-	-	-		-	-	-
9.	Computer Programmer	Manoj Kumar	Programme Assistant (Comp.)	-	Level 6 , Basic- 44900	13.05.2013	Permanent	Gen
10.	Farm Manager	Ram lakhan Thakur	Farm Manager	-	Level 6 , Basic- 46200	26.10.2012	Permanent	EBC
11.	Accountant / Superintendent	Dhananjay Kumar	Assistant	-	Level 6 , Basic- 44900	15.04.2013	Permanent	Gen
12.	Stenographer	Abhay Kumar	Stenographer	-	Level 4, Basic- 39800	17.07.2013	Permanent	Gen
13.	Driver	Ayush Kumar	Driver		Level 3, Basic- 24500	11.05.15	Permanent	SC
14.	Driver	Vijay Kumar	Driver	-	Level 3, Basic- 26800	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 (up to 31-12-21)	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	14677	Functional
Motor bike, BR01CR 8039	2015-16	60000	12721	Functional
Bolero BR 25 P 8971	2018-19	674299.82	61460	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
winnowing	2011-12	2850	working	ICAR
M.B Plough	2006-07		working	Received from DEE, RAU Pusa
Disc Harrow	2006-07		working	
Leveller	2006-07		working	
Brush cutter	2015-16	28300	Working	ICAR
Paddy transplanter	2016-17	190000	Working	NICRA
Raised bed planter	2016-17	70000	Working	NICRA
Direct seeded rice machine	2016-17	65000	Working	NICRA
Bund Farma Disc model	2016-17	18780	Working	NICRA
Portable water lifting set	2018-19	20500	Working	NICRA
Happy Seeder	2019-20		Working	BAU, Sabour

E) Farm implements under CRA project

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Green Seeker	2022	Central Store, BAU, Sabour	Working	CRA
Tractor Mounted Sprayer	2022	193520	Working	CRA
Zero till Drill	2021	129000	Working	CRA
Harvester	2021	2759532	Working	CRA
Trolly	2021	151864	Working	CRA
Reaper (Self)	2021	124803	Working	CRA
Weeder & Ridger	2021	50410	Working	CRA
Laser Land leveler	2021	272321	Working	CRA
Raised Bed planter	2021	88392	Working	CRA
Agrimax Rice Wheat Seeder	2021	20000	Working	CRA
Thresher	2021	156000	Working	CRA
Tractor	2021	941756	Working	CRA
Multicrop Planter	2021	88019	Working	CRA

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.	28-08-2021	45	During Rabi Season, Crop Cafeteria should be established at KVK instructional farm.	Crop cafeteria of wheat crop established	
			Exposure visits should be conducted under CRA programme in Co-ordination with Project Director, ATMA/DAO, Jehanabad.	Proposal of exposure visits sent to Project Director, ATMA for rabi 2021-22 and one exposure visit organized by Sr. Scientist & Head at KVK premises and CRA village sponsored by ATMA, Jehanabad	
			Wherever possible mandates of CRA programme should be mentioned by making wall painting on common building in village.	Wall paintings have been made in all 5 adopted villages under CRA programme	
			Include JEEVIKA members and FPO members in exposure visit programme under CRA.	Followed	
			Training should be conducted on balanced use of fertilizers.	4 trainings on balanced use of Fertilizer conducted	

			Sri Bipin Bihari, R.A. should do the work of Soil testing at KVK, Jehanabad by properly maintaining the Soil testing laboratory of KVK.	He has left the job of R.A.	
			After Summer season, Soil testing should be done by using Soil testing Kit's.	Soil testing done through ARI, Patna	
			The FLD under ICAR head should be done on Crops/varieties other than the crops/varieties selected under CRA programme.	Being followed	
			Biofortified crop varieties should be popularized among farmers.	Biofortified crop varieties PBW1ZN, BHU-25, BHU-31 being popularized	
			Subscription of Zoom meeting for online training, meeting etc.	Online training through Video Conferencing	
			Fencing required around residential area within KVK campus	Fund arrangement for fencing is in process	
			Instructional farm farmers exposure visit- one scientist will deliver lecture for half an hour and on under Khet Pathshala- Two exposure visit/Khet Pathshala each week.	Followed & technical inputs arranged and facilitated to the farmers	
			Technical inputs arrange before 15 th September 2021.	Followed	
			Demonstration taken in CRA Program (especially for cereals) can't be taken as ICAR Demo.	Beining followed	
			Technical feed back from FPO	Technical feed is beining collected from FPO	
			Webinar, Mahila Sashaktikaran, Chaupal etc be organized under "Azadi ka Amrit Mahotsav."	Azadi ka Amrut Mahotsava organized, conducting Mahila Sahaktijkaran, training/ webinar etc.	

** 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 (2021)

Sl.No.	Items	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 (2021)

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 improved implement
3.		Modanganj	Rampur charui	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, water management, FLD on DSR, , use of proper Spray nozzle in paddy	Integrated pest and disease management, livestock management, RCT, Improved implement

4.		Kako	Safepur	Paddy, wheat, vegetable	False smut, stem borer, red spider mite in brinjal& okra, YVMV, Fruit & shoot borer in okra, spice turmeric, CFLD mustard, Onion thrips, use of proper Spray nozzle in paddy	Integrated pest and disease management, improved implement
5.		Kako	Khalispur	Paddy, wheat, pulses, flower	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, spice var. turmeric	Integrated pest and disease management, Weed management
6.		Ghosi	Shahpur	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, RCT, FLD on DSR	Integrated pest and disease management Weed management, water management, RCT
7.		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 Buffaloes	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 Baffaloes	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, Musroom 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 2021) 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, SCSP etc.
Keshopur	Kako	Water and weed management, insect-pest management in different crops, improved varieties of different crops including vegetables, spice, drought tolerant paddy variety Sahbhagi, Direct sowing of paddy by paddy seeder, Mulching in okra, training, Kisan club formation and running, participation in BAU KisanMela and exhibition, soil day, participation in horticultural exhibition, Participation in Rabi Mela 2019 at KVK campus, Swachha Bharat Mission programme, demo on oilseed and pulses, exposure visit, IPM in vegetable, Kitchen Gardening, participation in Agrotechprogramme, BLOTP programme, & Live telecast of Hon'ble PM addressing
Rampur charui	Modanganj	Vaccination programme, CFLD on pulses, infertility camp, OFT, FLD (Mineral Mixture, fodder grass), training, Animal Health camp, Management of milk collection. Participation in PMFBY, Kharif& Rabi KisanMela, soil day, Rabi kisanmela, kharifkisanmela, FLD on DSR, CFLD on oilseed and pulses, BLOTP organized etc.
Safepur	Kako	Promoted vegetable cultivation by training, conducting OFT on disease and pest management in wheat,paddy, Technology demonstration for extra income generation via Kitchen Gardening, Rural Youth training on Bee keeping, Kisan club, participation in BAU KisanMela,Technology demonstration to promote pulse production , Exposure visit of farmers, Kharif& Rabi KisanSammelan, soil day , Swachha Bharat Mission programme, CFLD on oilseed and pulses, participation in Agro tech Bihar, Kishanmela
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, rabi kisan sammelan, soil day, swachh bhara abhiyan, CFLD on oilseed & pulses and kisan club
Baramsarai	Ghosi	DFI Programme
Sharma	Hulasganj	DFI Programme, SCSP
Waina	Modanganj	CRAP
Korma	Ghosi	CRAP
Chhapanna	Ghosi	CRAP
Pariyama	Modanganj	CRAP
Mananpur	Modanganj	CRAP, SCSP
Anatpur	Modanganj	SCSP
Godsar	Ghosi	SCSP

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 year2021

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
9	9	90	1	2	0	0	79	0	9	2	9	10	12	300	96	13	-	-	3	0	39	43	44
			1						0		2				2				2	30	8	1	1

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
200	213	5000	85	34	0	0	41	44	50	78	57	500	1024	5000	13	12	-	-	54	89	6	2	8
			9	1			51	0	10	1	93				15	30			38	0	7	1	8
																					5	2	7
																					3	0	3

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
-	390	125	55	-	-	195	15	320	70	390	500	8873	101	42	0	0	330	95	431	137	568

Seed production (q)						Planting material (in Lakh)					
Target			Achievement			Target			Achievement		
150			201.5			0.06			0.095 plants		

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

* 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							
Seminar/conference/ symposia papers	4						
Books	1						
Bulletins	5	4000					
News letter	3	3000					
Popular Articles	3						
Book Chapter	6						
Extension Pamphlets/ literature	0						
Technical reports	8						
Electronic Publication (CD/DVD etc)	2						
TOTAL	29						

3.1.1 Achievements on technologies assessed and refined

OFT-1 (Agronomy)

1.	Title of On farm Trial	Effect of micro nutrients 'zinc' on Rice in Rice-Wheat cropping System
2.	Problem diagnosed	Low yield of rice and wheat due to no application of Zinc sulphate.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer's practice: No application of Zn and RDF TO-1: RDF+ Zinc sulphate 25 Kg/ha (Basal) TO-2: RDF + 50% Zinc sulphate 12.5 Kg /ha (Basal) & application of zinc sulphate (spray) before flowering @1kg/ha.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IARI. New Delhi
5.	Production system and thematic area	Rice-wheat cropping system
6.	Performance of the Technology with performance indicators	Yield attributes Net return, C: B ratio
7.	Final recommendation for micro level situation	TO-2: RDF + 50% Zinc sulphate 12.5 Kg /ha (Basal) & application of zinc sulphate (spray) before flowering @1kg/ha.
8.	Constraints identified and feedback for research	Lack of awareness among farmers
9.	Process of farmers participation and their reaction	Active participation and ready for adoption

Technology Assessed:

Technology option	No. of farmers	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
Farmer's practice: RDF+No application of Zn	08	296	20	37	-	38.4	40200	76800	36600	1.83
TO-1: RDF+ Zinc sulphate 25 Kg/ha (Basal)	08	322	23	37	-	40	41850	80000	38150	1.91
TO-2: RDF + 50% Zinc sulphate 12.5 Kg /ha (Basal) and spray of zinc sulphate@1kg/ha before flowering	08	302	21	37	-	41.9	41855	83800	41945	2.0

Results: Results reveal that the TO₂ gave highest yield 41.9 q/ha with highest B:C ratio (1:2.0) followed by TO₁ with yield 40 q/ha and B:C ratio(1:1.91). The lowest yield 38.4q/ha was observed of Farmers practice with the lowest B:C ratio (1:1.83). Therefore, TO₂ may be recommended for the farmers of Jehanabad district of Bihar.

OFT-2 (Entomology)

1.	Title of On farm Trial	Ecofriendly Management of pod borer, <i>H. armigerain</i> chickpea
2.	Problem diagnose	<i>Helicoverpaarmigera</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. armigerain</i> chickpea the technology Erect Bird perches @40/ha+ Pheromone trap @20/haand Two spray of azadirachtin 3000ppm @ 10 ml/ltr water at Pre flowering and Pod formationis 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

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	10.82	15.0	-	31,000	73,125	42,125	2.36
Erect Bird perches @40/ha+ Pheromone trap @20/ha	8	10.86	14.9	2.0%	31,000	71893	40893	2.32
Two spray of azadirachtin 3000ppm @ 10 ml/ltr water	8	10.60	15.7	4.67%	31,000	76,538	76,538	2.47

Results: -

Results revealed that the higher yield of chickpea (15.7 q/ha) and 2.47 BC ratio with 10.60 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 (14.9 q/ha) and 2.32 BC ratio with 10.86 per cent pod infestation observed. Whereas plots treated with Chlorpyrifos 20 EC @ 1500ml/ha the yield (15.0 q/ha) and 2.36 BC ratio with 10.82 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-3 (Entomology)

1.	Title of On farm Trial	Insecticide molecule against sucking pest of Okra
2.	Problem diagnose	The sucking pest complex consisting of aphids, leaf hoppers, whiteflies and thrips are major pests and cause 17.46 per cent yield loss in okra
3.	Details of technologies selected for assessment/refinement	Technical Option 01 : Farmer practices (Profenophos 50 EC @ 2 gm/ltr water) Technical Option 02 : Thiamthoxam 25 wg @ 0.35 gm/L at 20 Days after sowing at 10 days interval three times Technical Option 03: Imidacloprid 70 WG @ 0.3 gm/L at 20 Days after sowing at 10 days interval three times
4.	Source of Technology	Bihar Agricultural University, Sabour, Bihar
5.	Production system and thematic area	Rice-okra Integrated Pest Management
6.	Performance of the Technology with performance indicators	The infestation of sucking pest complex is reduced and increase yield marginally.
7.	Final recommendation for micro level situation	For management of sucking pest complex in okra the both (TO1 and To2) is recommended.
8.	Constraints identified and feedback for research	Assessment of other molecule
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Table: Economics

Technology option	No. of trials	White fly N&A /3 leaves	Jassids N&A /3 leaves	Aphids N&A /3 leaves	Yield (q/ha)	Percent increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmer practices (Profenophos 50 EC @ 2 gm/lt water)	8	2.50	2.25	2.25	170	-	40,000	2,29,500	1,89,500	5.7
Thiamthoxam 25 wg @ 0.35 gm/L water	8	1.30	0.63	0.75	210	19.0	40,500	2,83,500	2,43,000	7.0
Imidacloprid 70 WG @ 0.3 gm/L water	8	0.75	0.75	1.00	208	18.3	40,500	2,80,800	2,40,300	6.9

Results: -

Results revealed that the higher yield of okra (210 q/ha) and 7.0 BC ratio with mean 1.30 whitefly, 0.63 jassids, 0.75 aphid nymph & adults per 3 randomly selected leaves of okra were recorded in plots treated with Thiamthoxam 25 WG @ 0.35 gm/L at 20 Days after sowing at 10 days interval three times followed by plots treated with Imidacloprid 70 WG @ 0.3 gm/L at 20 Days after sowing at 10 days interval three times, the yield (208 q/ha) and 6.9 BC ratio with mean 0.75 whitefly, 0.75 jassids, 1.00 aphid nymph & adults per 3 randomly selected leaves of okra observed. Whereas plots treated with Farmer practices (Profenophos 50 EC @ 2 gm/lt water), the yield (170 q/ha) and 5.7 BC ratio with mean 2.50 whitefly, 2.25 jassids, 2.25 aphid nymph & adults per 3 randomly selected leaves of okra were recorded.

Therefore it can be concluded that the treatment TO2 and TO3 treated plots produce marginally higher yield and reduced the infestation of sucking pest complex in okra. TO2 and TO 3 are recommended to manage the sucking pest complex in okra.

OFT-4 (Entomology)

1.	Title of On farm Trial	Management of sheath blight in Paddy
2.	Problem diagnose	Five- to six-week-old leaf sheaths are highly susceptible. The presence of several large lesions on a leaf sheath usually causes death of the whole leaf, and in severe cases all the leaves of a plant may be blighted in this way. A yield loss of 25% was reported if the flag leaves are infected.
3.	Details of technologies selected for assessment/refinement	Technical Option 01 : Farmer practices (Dense transplanting & use of Carbendazim@ 2g/litre) Technical Option 02 : Avoid dense transplanting (Not more than 2-3 seedling per hill) and spray of Validamycin 3 L @ 2ml/liter of water (45 days after transplanting) Technical Option 03: Avoid dense transplanting (Not more than 2-3 seedling per hill) and Spray of Thifluzamide 24% SC @ 1ml /liter of water (45 days after transplanting)
4.	Source of Technology	ICAR - National Rice Research Institute, Cuttack
5.	Production system and thematic area	Rice-Wheat Integrated Disease Management
6.	Performance of the Technology with performance indicators	The incidence of disease is reduced and increase yield marginally.
7.	Final recommendation for micro level situation	For management of sheath blight in Paddy the both (TO2 and To3) is recommended.
8.	Constraints identified and feedback for research	Assessment of other molecule
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

Table: Economics

Technology option	No. of trials	%RLH	Yield (q/ha)	Percent increase	Cost of cultivation(Rs. /ha)	Gross return (Rs/ha)	Net return (Rs. /ha)	BC ratio
Farmer practices (Dense transplanting)	8	9.6	37.4	-	36000/-	70125/-	34125/-	1.95
Avoid dense transplanting (Not more than 2-3 seedling per hill) and spray of Validamycin 3 L @ 2ml/liter of water (45 days after transplanting)	8	2.7	40.2	7.5	36500/-	75375/-	38875/-	2.07
Avoid dense transplanting (Not more than 2-3 seedling per hill) and Spray of Thifluzamide 24% SC @ 1ml /liter of water (45 days after transplanting)	8	2.3	40.4	8.0	36500/-	75750/-	39250/-	2.08

Results: -

Results revealed that the higher yield of paddy (40.4 q/ha) and 2.08 BC ratio with mean %Relative Lesion Hight (RLH) 2.3 were recorded in plots treated with Technical Option 03: Avoid dense transplanting (Not more than 2-3 seedling per hill) and Spray of Thifluzamide 24% SC @ 1ml /liter of water (45 days after transplanting) followed by plots treated with Technical Option 02 : Avoid dense transplanting (Not more than 2-3 seedling per hill) and spray of Validamycin 3 L @ 2ml/liter of water (45 days after transplanting), the yield (40.2 q/ha) and 2.07 BC ratio with mean %Relative Lesion Hight (RLH) 2.3 observed. Whereas plots treated with Farmer practices (Dense transplanting), the yield (37.4 q/ha) and 1.95 BC ratio with mean %Relative Lesion Hight (RLH) 9.6 were recorded.

Therefore, it can be concluded that the treatment TO2 and TO3 treated plots produce marginally higher yield and reduced the infestation of sheath blight in Paddy. TO2 and TO 3 are recommended to manage the sheath blight in Paddy.

OFT-5: Agril. Engg. (Kharif 2021)

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	Lack of machine.

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

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	0.25	4.0	42.2	-	38500	81868	43368	2.12
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	0.8	1.25	45.1	6.87	37300	87494	50194	2.34
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	0.65	1.53	43.6	3.31	37900	84584	46684	2.23

Results: Results depicted that maximum yield of 45.1 q/ha was marked in TO-1 with B:C ratio of 2.34 followed by 43.6 q/ha yield with B:C ratio of 2.23 in TO-2 as compared to 42.2 q/ha yield and B:C ratio of 2.12 in farmers practice plots.

OFT-6 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	Use of zero till seed cum fert. Drill machine found best suitable for sowing of wheat for higher germination, growth and increased yield
17.	Constraints identified and feedback for research	Less number of machine
18.	Process of farmers participation and their reaction	Actively participated

Table Economics:

Technology option	No. of trials	Soil moisture %	Seed Rate (Kg/ha)	Plant Density per sq. meter	No. of tillers/heal	No. of spikes or ear/sq.m	No. of grains/ ear or spikes	Test weight of grain	Yield (q/ha)	% increase in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice (FP): Broadcasting of wheat seed	8	20.8	160	389	4.9	377	35.8	36.8	36.2	-	35800	69685	33885	1.94
Technology option-I (TO-I): Line sowing of wheat behind plough	8	20.8	120	385	5.1	380	37.1	38.7	38.4	6.0	37200	73920	36720	1.98
Technology option-II (TO-II): Wheat sowing by seed cum fertilizer drill at sowing depth 4-5 cm	8	20.8	100	387	5.5	381	39.5	40.2	40.6	12.15	35500	78155	42655	2.20
Technology option-III (TO-III): Wheat sowing by zero till	8	23.6	100	387	5.8	383	41.4	41.8	41.5	14.64	30700	79888	49188	2.60

seed cum fertilizer drill at sowing depth 4-5 cm														
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Results: Results revealed that higher yield of wheat (41.5 q/ha) with B:C ratio 2.60 was observed in TO-III whereas TO-II yielded 40.6 q/ha with B:C ratio 2.20 and TO-I yielded 38.4 q/ha with B:C ratio of 1.98 as compared to 36.2 q/ha yield with B:C ratio 1.94 in farmers practice plot.

OFT-7 (Animal Science) (2020-21 & 2021-22)

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 <i>Bodmer M¹, Janett F, Hässig M, den Daas N, Reichert P, Thun R, Theriogenology. 2005 Oct 15;64(7):1647-55</i>
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	Balance feeding along with mineral mixture for proper production of reproductive hormones
8.	Constraints identified and feedback for research	Mineral deficiency and sorted semen straw for production of female calf
9.	Process of farmers participation and their reaction	On farmers field and well

Result table:

Technology option	No. of trials	Yield component Post treatments						Gross Cost of animals feeding /medicine/straws /Mineral mixture (Rs.)	Gross return (Rs 5000 male & 15000female calf) and Milk 30/ lit	Net return (Rs.)	B :C ratio
		Age of Heifer	Occurrence of heat period	Insemination	Conceived	Calf	Milk production				
		Months	hours	Natural/AI		(male /Female)	(Arg in Lit)				
Farmer practice : Natural /Artificial insemination	10	14 to 20	18-25	Inseminated	5	2male / 3 female	6.0	62250	105400	43150	1.6
TO I: Artificial insemination using frozen female sex-sorted semen	10	14 to 20	18-25	Inseminated	8	8female	6.5	72250	174600	102350	2.4
TO II: Artificial insemination using frozen non sex- sorted semen	10	14 to 20	18-25	Inseminated	7	4male/ 3female	6.1	62550	116240	53690	1.8

Results: Results: TO I treatment is better than that of other groups due to more occurrences conception rate of sorted semen (80%)and female calf (8) & milk production (6.5 lit) and BC ratio(2.4).

OFT-8 (Animal Sc.)

1.	Title of On farm Trial	Efficacy of GnRH and hCG administration on day 5 post-AI in repeat breeder cows
2.	Problem diagnosed	Hormonal Imbalance and delayed ovulation or anovulation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO :Fenbendazole 3g and Mineral mixture(50-100g) (Farmer Practice) TO I: TO+ GnRH @ 10 mcg , I/M route on day 5 post-AI TO II: TO+hCG @ 2000 IU , I/M route on day 5 post-AI
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	<i>Department of Animal Reproduction, Gynaecology and Obstetrics, College of Veterinary and Animal Sciences, Parbhani-431 402</i>
5.	Production system and thematic area	Calf & Milk production and 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	Balance feeding along with mineral mixture for proper production of reproductive hormones
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

Table:

Technology option	No. of trials	Yield component Pre & Post treatments					Gross Cost of animals feeding /medicine /Mineral mixture (Rs.)	Gross return (Rs10,000/calf) & Milk (30/lit)	Net return (Rs.)	B :C ratio
		Repeat breeding cows	Occurrence of heat & heat period	Insemination	Occurrences of heat/Conceived /	Average Milk production				
		Time	hours	Natural /AI		(Lit)				
Farmer practice : Fenbendazole 3g and Mineral mixture(50-100g)	10	2 to 5	6 & 18-25 hrs	Inseminated	4 +ve (40%)	8.7	78300	85050	6750	1.0
TO I: TO+ GnRH(Gynarich) @ 10 mcg , I/M route on day 5 post-AI	10	2 to 5	8 & 18-25hrs	Inseminated	6+ve (60%)	9.5	75350	95500	20150	1.26
TO II: TO II: TO+hCG (Lutalyse) @ 2000 IU , I/M route on day 5 post-AI	10	2 to 5	8 & 18-25hrs	Inseminated	7+ve (70%)	9.7	75550	97300	21750	1.28

Results: TO II treatment is better than that of other groups due to more occurrences of estrus (8/10), conception rate (70%) and milk production (9.7 lit) along with B:C ratio (1.18).

OFT-9: SC/SP (Animal Sc.)

1.	Title of On farm Trial	Effect of feeding different hydroponic fodder on growth performance of the goats.
2.	Problem diagnosed	No land are available to produce green fodder and alternative feed costs are high (profitable application in intensive large scale goat farming.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO : Open grazing (Farmer Practice) TO I: FP+ Hydroponic fodder of wheat TO II: FP+ Hydroponic fodder of maize TO II: FP+ Hydroponic fodder of oats
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	<i>Tamil Nadu Veterinary and Animal Sciences University, Chennai, Tamil Nadu, India</i>
5.	Production system and thematic area	Kids growth rate and nutritional management
6.	Performance of the Technology with performance indicators	Conception rate, and kid growth rate ,
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Table:

Technology option	No. of trials	Yield component Pre & Post treatments					Gross Cost of animals feeding (Rs.)	Gross return (Rs)	Net return (Rs.)	B :C ratio
		Insemination	No of Conceived	Average body weight gain	Average body weight gain at	Increase d body wt. gain				
		Natural/AI	%	Pre-treat. at 7 th months of age (kg)	Post-treat. after month of age (kg)					
Farmer practice:Open grazing .	10	Natural	10	8.5	9.5	1.1	4250	4850	600	1.1
TO I: FP+ Hydroponic fodder of wheat	10	Natural	10	8.6	9.7	1.1	4425	4950	525	1.11
TO II: FP+ Hydroponic fodder of maize	10	Natural	10	8.5	9.7	1.2	4410	4950	540	1.12
TO III: FP+ Hydroponic fodder of oats	10	Natural	10	8.5	9.7	1.2	4400	4950	550	1.12

Results: TO II &III treatment is better than that of other groups due to increased bodyweight gain along with B:C ratio (1.12).

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	Cropping system	1	1	8
		Integrated Pest Management	2	2	16
		Integrated Disease Management	1	1	8
2.	Livestock	Milk production	1	1	16
		Disease management	1	1	22
		Nutritional management	1	1	6
3.	Enterprises				
4.	Women Empowerment				
5	Implements	Repair & maintenance of farm machineries and implement	2	2	16

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	IDM	Management of false smut in paddy using Propiconazole 25EC @1.5 ml per litre water	10	12.5	3	1	-	-	26		29	1	30		
2	Rice	Yield increment	Demonstration of paddy variety Sabour Harshit Dhan under upland medium condition.	2.5	2.5	1	0	0	0	9	0	10	0	10		
3	Wheat	Terminal heat Stress management	HD-2733	2.5	2.5	0	0	0	0	10	0	10	0	10		
4	Wheat var. 2733	Crop Residue Management	Wheat sowing by Happy Seeder	5.0	5.0	2	0	0	0	11	0	13	0	13		

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					

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

B. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

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

[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

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Dem o	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	IDM	Propiconazole 25EC @1.5 ml per litre water	30	12.5	42.2	41.5	1.7	3.5	8.7	35000	79125	44125	2.26	34500	73663	39163	2.14
Wheat	Terminal heat Stress management	HD 2733	10	2.5	36.5	34.8	4.9	-	-	32825	69350	36525	2.11	32150	66120	33970	1:2.05
Paddy	Demonstration of suitable paddy variety for upland medium condition.	Sabour Harshit	10	05	41	38.4	6	-	-	40200	82000	41800	2.03	40200	76800	36600	1.91
	Total																

Ornamental fishes																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demons Ration M. yield Kg /bag	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																
Button Mushroom kit distribution under SCSP (Dec 21)	Mushroom Production	20	20	2.5	-		-	-	100/bag	300/bag	200/bag	3	-	-	-	
Vermicompost																
Sericulture																
Apiculture																
Vegetable kit distribution under SCSP	Kitchen Gardening	80	80	Improvement observed in the health status of farm families												
Vegetable kit for Nutrition garden	Kitchen Gardening	30	30													
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					

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check						Demo	Check	Saving	
Happy Seeder (Rabi 2020-21)	Wheat var. 2733	Wheat sowing by Happy Seeder	13	5.0	41.8	36.5	14.52	6				31200	35600	4400	

** BCR= GROSS RETURN/GROSS COST

[illegible]

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

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	29.10.2021, 15.11.2021	4	90	
2.	Farmers Training	22.11.2021, 30.10.2021	5	92	
3.	Media coverage				
4.	Training for extension functionaries				

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

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	Lentil	Local variety	12.45	135	244	755	HUL 57, Carbendazim, Pendimethalin, Rhizobium+PSB	25	10	16.2	8.8	13.9	25.22	38.86	30.5
2	Chickpea	Local variety	13	58 (a-b)	213 (a-c)	700 (d-a)	PG 186, Carbendazim, Rhizobium and PSB	26	10	19.2	10.5	16	28.82	47.19	20
3	Fieldpea	Local variety	12.2	193 (a-b)	38 (a-c)	880 (d-a)	IFP 04-09, Carbendazim, Rhizobium and PSB, Thiometoxam	25	10	17.5	10.8	15	14.24	29.53	25
4	Mustard	Local variety Rajendra rai Pachheti	11.8	427	110	820	RGN-73	75	30	15.6	10.2	13.5	15.99	04.65	32.5

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	HUL 57, Carbendazim, Pendimethalin, Rhizobium+PSB	24500	59760@Rs. 4800/kg	35260	2.43	25150	66720	41570	2.65
2	PG 186, Carbendazim, Rhizobium, thiomethoxam and PSB	32500	62400@4800/q	29900	1.92	33700	76800	43100	2.27
3	IFP 04-09, Carbendazim, Rhizobium and PSB, THIOMETHOXAM	32500	54900@4500/q	22400	1.68	33200	67500	34300	2.03
4	RGN73+THIO-METHOXAM, PSB, Sulphur, Carbendazim, Pendimethalin	22300	56640@Rs 4800/kg	34340	2.53	23700	64800	41100	2.91

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	Crop- Lentil Variety- HUL 57	13900 (from 10 ha area of the total demo)	222 kg (40% of the produce sold)	48	25	Farmer consumes the rest quantity	To meet family needs	12
2	PG 186, Carbendazim, Rhizobium and PSB	16000 (from 10 ha area of the total demo)	512 (80% of the produce sold)	4800	32 for one acre area and 96 kg for own consumption	Not decided	To meet family needs	12
3	Fieldpea var. IFP 04-09,	15000 (from 10 ha	1200 (80% of the	4500	32 for one acre area	32	To meet family needs	12

	Carbendazim, Rhizobium and PSB, Thiomethoxam	area of the total demo)	produce sold)					
4	Mustard RGN73	40500 (from 30 ha area of the total demo)	216 (40% of the produce sold)	48	2	40	To meet family needs	12

D. Lentil 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.	HUL 57, Carbendazim, Pendimethalin, Rhizobium+PSB	(Rice-Lentil) Yes	Liked by farmers as It bears good yield potential and small seed.	Affordable	Lack of micro-irrigation facility	Yes	Micro-irrigation facility needed weed control molecules

Chickpea 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.	PG 186, Carbendazim, Rhizobium and PSB	(Rice-Chickpea) Yes	Liked by farmers as It bears good yield potential.	Affordable	Lack of irrigation facility and seed sowing machines.	Yes	Micro-irrigation facility needed.

Fieldpea 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.	Fieldpea var. IFP 04-09, Car bendazim, Rhizobium and PSB, Thiomethoxam	(Rice-Fieldpea) 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.

Fieldpea 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.	RGN73+THIO-METHOXAM,PSB, Sulphur, Car bendazim, Pendimethalin	(Rice-Mustard) Yes	Liked by farmers as It bears good yield potential	Affordable	Lack of irrigation facility.	Yes	Micro-irrigation facility needed.

B. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding and small seeded variety liked by farmers and nutrient management and weed management practices enhance the performance of the variety.	Average Yield 13.9 q/ha	The per cent yield increase over local check is 11.64%.	Farmers are on the benefit side with this variety.

High yield of chickpea with medium sized seed.	Average Yield 16 q/ha	The per cent yield increase over local check is 23.07%	Farmers are on the benefit side with this performance of the variety.
High yield of Fieldpea with small size seed in normal climatic condition.	Average Yield 15 q/ha	The per cent yield increase over local check is 22.95	Farmers are on the benefit side with this performance of the variety in normal climatic condition.
High yielding	Average Yield 13.5q/ha	The per cent yield increase over local check is 14.4%.	Farmers are on the benefit side with this potential new variety.

C. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day/Field visit	07.01.2021 Khalispur Kako	14
2	Field day/Field visit	10.03.2021 Pitambarpur, Modanganj	27
3	Field day/Field visit	04.01.2021, Vill- Khalispur	12
4	Field day/Field visit	01.03.2021, Vill- Gandhar	14
5	Training/Field day/Field visit	05.03.2021 fieldpea (CFLD)	23
6	Field day/Field visit	05.03.2021, Vill- Dehuni	23
7	Field day/Field visit	10.03.2021, Vill- Pitambarpur	27
8	Field day/Field visit	16.03.2021, Vill- Mahmadpur	67

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



E. Farmers' training photographs

F. Quality ActionPhotographs of field visits/field days and technology demonstrated.



J. Details of budget utilization

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

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
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition	2	19	0	19	8	4	12	0	0	0	27	4	31
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	3	65	8	73	5	1	6	0	0	0	70	9	79
Feed management	1	41	0	41	0	15	15	0	0	0	41	15	56
Production of quality animal products													
Others, if any Goat farming	1	23	3	26	9	0	9	0	0	0	32	3	35
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	11	6	17	2	24	26	0	0	0	13	30	43
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	2	47	5	52	9	4	13	0	0	0	56	9	65

[illegible]

B) Rural Youth (on campus)

[illegible]

C) Extension Personnel (on campus)

[illegible]

[illegible]

[illegible]

[illegible]

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	2	33	1	34	13	0	13	0	0	0	46	1	47
Integrated farming	1	17	0	17	0	0	0	0	0	0	17	0	17

F) Extension Personnel (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
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	1	67	11	78	11	1	12	0	0	0	78	12	90
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Direct seeded rice	1	64	5	69	4	1	5	0	0	0	68	6	74
Bee Keeping	1	35	0	35	7	0	7	0	0	0	42	0	42
Value Addition	1	18	9	27	8	3	11	0	0	0	26	12	38
TOTAL	5	251	36	287	41	6	47	0	0	0	292	42	334

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production	16	299	18	317	3	8	38	0	0	0	320	35	355
Weed Management	7	101	33	134	3	17	50	0	0	0	134	50	184
Resource Conservation Technologies	3	78	0	78	1	0	17	0	0	0	95	0	95
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs	2	28	1	29	1	0	1	0	0	0	29	1	30
Others, (cultivation of crops)													
TOTAL	28	506	52	558	8	25	106	0	0	0	578	86	664

[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
application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL	1	15	0	15	0	0	0	0	0	0	15	0	15
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	166	3169	322	3491	673	278	901	0	0	0	3818	626	4444

ii. RURAL YOUTH (On and Off Campus)

[illegible]

iii. Extension Personnel (On and Off Campus)

[illegible]

Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others DSR	1	64	5	69	4	1	5	0	0	0	68	6	74
Bee Keeping	1	35	0	35	7	0	7	0	0	0	42	0	42
TOTAL	5	251	36	287	41	6	47	0	0	0	292	42	334

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										
12.01.2021	PF	Production techniques of lentil & chickpea	1	On	20	0	20	1	0	1
15.01.2021	PF	production techniques of rabi maize	1	On	25	3	28	1	0	1
01.02.2021	PF	Production techniques of chickpea & lentil	1	On	12	1	13	0	0	0
02.02.2021	PF	Production techniques of rabi maize	1	On	18	0	18	0	0	0
05.02.2021	PF	INM in chickpea & lentil	1	On	19	2	21	0	0	0
02.03.2021	PF	maize sowing through raised bed machine	1	Off	12	33	45	2	15	17
06.03.2021	PF	Weed management in raised bed maize	1	Off	12	18	30	1	3	4
22.04.2021	PF	Method of soil Sampling	1	Off	12	0	12	0	0	0
30.05.2021	PF	Mehtod of soil sampling and importance	1	Online	16	0	16	3	0	3
31.05.2021	PF	Direct seeded rice	1	Online	22	0	22	5	0	5
16.06.2021	PF	Production system of raised bed maize	1	Online	19	0	19	4	0	4
18.06.2021	PF	Balanced used of fertilizer	1	On	54	0	54	8	0	8
21.06.2021	PF	Production system of raised bed Arhar	1	On	16	0	16	2	0	2
28.07.2021	PF	Integrated weed management in rice	1	Online	23	0	23	4	0	4

31.07.2021	PF	Importance of maintenance of vermicompost unit in rainy season	1	On	14	1	15	1	0	1
10.08.2021	PF	Intercropping of maize and pigeon pea	1	Online	13	0	13	0	0	0
11.08.2021	PF	Intergrated nitrient management in pigeon pea	1	Online	14	1	15	0	0	0
02.08.2021	PF	Weed management in maize	1	On	25	1	26	4	0	4
04.08.2021	PF	Weed management in pigeon pea	1	On	16	1	17	2	0	2
05.08.2021	PF	Weed management in rice	1	On	27	0	27	6	0	6
13.08.2021	PF	Nutrient management in maize	1	Off	30	0	30	1	0	1
16.08.2021	PF	production and use of vermicompost	1	Off	15	0	15	0	0	0
18.08.2021	PF	Nutrient management in maize	1	Off	19	1	20	0	1	1
03.09.2021	PF	Production technique of Garden pea	1	Off	28	0	28	0	0	0
06.09.2021	PF	Mehtod of soil sampling and importance	1	Off	17	6	23	2	1	3
07.09.2021	PF	Disease pest management in DSR	1	On	21	4	25	3	1	4
01.09.2021	PF	Weed management in DSR	1	On	24	6	30	10	2	12
29.10.2021	PF	production technique of wheat	1	Off	21	0	21	3	0	3
30.10.2021	PF	Production technique of rapeseed & Mustard	1	Off	22	0	22	4	0	4
20.11.2021	PF	Lentil sowing by zero tillage	1	Off	14	0	14	0	0	0
22.11.2021	PF	Chickpea sowing by Zero tillage	1	Off	19	4	23	4	0	4

24.11.2021	PF	Wheat sowing by zero tillage	1	Off	10	5	15	3	2	5
25.11.2021	PF	Mustard sowing by zero tillage	1	Off	12	1	13	1	0	1
26.11.2021	PF	Zero tillage techniques in wheat sowing	1	Off	12	3	15	1	2	3
20.12.2021	PF	Nutrient management in rabi maize	1	ON	31	2	33	7	1	8
22.12.2021	PF	Weed management in ZT wheat	1	ON	7	24	31	6	12	18
12.03.2021	RY	production of Aromatic & Medicinal plant	1	ON	16	4	20	2	4	6
17.06.2021	RY	Seed production technology of rice	1	On	23	0	23	3	0	3
23-27 Aug. 2021	RY	production, use & importance of vermicompost	5	On	8	0	8	0	0	0
04.10.2021	RY	Soil test and its importance & weed management	1	ON	28	0	28	2	0	2
06.10.2021	RY	Nutrient management & seed certification	1	ON	28	0	28	2	0	2
03.06.2021	EF	Training on DSR	1	Online	68	6	74	4	1	5
21.10.2021	EF	production techniques of wheat & rabi pulses	1	Off	78	12	90	11	1	12
Entomology										
13.01.2021	PF	IPM & IDM in rabi crops	1	Off	70	0	70	5	0	5
02.02.2021	PF	Management of Helicorva in chickpea	1	Off	26	0	26	26	0	26
25.02.2021	PF	IPM in rabi crops	1	Off	22	9	31	5	3	8
25.03.2021	PF	Pest management in summer crops	1	Off	40	0	40	5	0	5
14.04.2021	PF	IPM in Summer vegetables	1	Off	31	14	45	6	10	16
04.05.2021	PF	IPM in paddy (Nursery stage)	1	Online	23	1	24	2	0	2
06.05.2021	PF	IPM in paddy (Nursery stage)	1	Online	28	1	29	5	0	5
12.05.2021	PF	Pest & disease management in summer vegetable crops	1	Online	27	0	27	6	0	6

[illegible]

13.01.2021	PF	Irrigation scheduling in rabi crops	1	Off	60	0	60	4	0	4
12.01.2021	PF	Water management in zero till sown wheat	1	On	20	0	20	1	0	1
15.01.2021	PF	How to do water management in ZT wheat	1	On	25	3	28	1	0	1
22.01.2021	PF	Moisture conservation through mulching	1	Off	16	2	18	1	0	1
01.02.2021	PF	Green gram sowing by zero tillage	1	On	12	1	13	0	0	0
02.02.2021	PF	Method of green gram sowing by ZTT	1	On	18	0	18	0	0	0
05.02.2021	PF	Irrigation scheduling in ZT wheat	1	Off	19	2	21	0	0	0
24.02.2021	PF	Cultivation in wheat mustard intercropping by ZT	1	On	25	7	32	2	3	5
25.02.2021	PF	rabi crop cultivation through ZTT	1	Off	22	9	31	5	3	8
02.03.2021	PF	wheat cultivation by Zero tillage techniques	1	Off	12	33	45	2	15	17
06.03.2021	PF	Pulses cultivation by Zero tillage technique	1	Off	4	26	30	1	11	12
15.03.2021	PF	Maize cultivation by raised bed planter	1	On	16	0	16	1	0	1
18.03.2021	PF	Wheat - mustard intercropping by zero tillage technique	1	On	28	0	28	4	0	4
17.03.2021	PF	Water management in fodder crops	1	On	9	2	11	5	2	7
26.04.2021	PF	Water use efficiency and Appropriate crops	1	On	18	0	18	2	0	2
06.05.2021	PF	Techniques of water conservation	1	Online	16	0	16	1	0	1
11.05.2021	PF	Modern methods	1	Online	15	0	15	1	0	1

		of water application								
15.06.2021	PF	Improved implements for direct seeding of rice	1	Online	17	0	17	3	0	3
18.06.2021	PF	water application methods for increasing water and nutrient use efficiency	1	On	54	0	54	8	0	8
17.06.2021	PF	Paddy cultivation through DSR	1	On	23	0	23	3	0	3
23.07.2021	PF	Water management in rice	1	Online	21	0	21	2	0	2
30.07.2021	PF	Improved weeding implements	1	Online	19	0	19	1	0	1
31.07.2021	PF	Water harvesting and field bunding in rice	1	On	14	1	15	1	0	1
02.08.2021	PF	Water management techniques for maize	1	On	25	1	26	4	0	4
07.08.2021	PF	Alternate, wet and dry irrigation in rice	1	On	15	0	15	1	0	1
12.08.2021	PF	Water conservation methods of rice	1	Online	18	0	18	2	0	2
13.08.2021	PF	Water management in direct seeded rice	1	Off	30	0	30	1	0	1
18.08.2021	PF	rain water harvesting through bunding in rice	1	Off	19	1	20	0	1	1
04.08.2021	PF	techniques for enhancing water productivity in rice	1	On	16	1	17	2	0	2
05.08.2021	PF	Improved tools & implements for weed management	1	On	27	0	27	6	0	6
01.09.2021	PF	Water management in rice planting through drums seeder	1	On	12	18	30	2	4	6
03.09.2021	PF	Alternate, wetting, drying irrigation method for water	1	Off	28	0	28	0	0	0

		management in rice								
06.09.2021	PF	Use of implements for vegetable pea sowing	1	Off	17	6	23	2	1	3
07.09.2021	PF	Implements suitable for climate resilient agriculture technologies	1	On	21	4	25	3	1	4
16.09.2021	PF	Different climate resilient technologies for rice production	1	On	15	0	15	1	0	1
20.09.2021	PF	Resource conservation through direct seeded rice	1	On	22	1	23	2	0	2
21.09.2021	PF	Lathyrus sowing by Zero tillage technology	1	On	25	0	25	4	0	4
16.10.2021	PF	Use of improved implements for food security	1	On	21	3	24	6	2	8
22.10.2021	PF	Care & maintenance of sowing implements	1	Off	20	0	20	1	0	1
30.10.2021	PF	Techniques for using water use efficiency of wheat	1	Off	32	0	32	6	0	6
08.11.2021	PF	Operation of modern crop harvesting equipments	1	Off	9	1	10	1	0	1
09.11.2021	PF	Working of threshing machines	1	Off	17	0	17	0	0	0
12.11.2021	PF	Operation, maintenance & calibration of zero tillage machine	1	Off	32	2	34	2	0	2
20.11.2021	PF	Lentil sowing by zero tillage	1	Off	14	0	14	0	0	0
22.11.2021	PF	Chickpea sowing by Zero tillage	1	Off	19	4	23	4	0	4
24.11.2021	PF	Wheat sowing by zero tillage	1	Off	10	5	15	3	2	5
25.11.2021	PF	Mustard sowing by zero tillage	1	Off	12	1	13	1	0	1
26.11.2021	PF	Zero tillage techniques in	1	Off	12	3	15	1	2	3

		wheat sowing								
01.12.2021	PF	Operation of ZT machine for wheat sowing	1	ON	12	2	14	2	2	4
03.12.2021	PF	calibration of ZT machine	1	ON	4	8	12	2	2	4
08.12.2021	PF	lentil cultivation by ZT techniques	1	ON	36	1	37	34	1	35
10.12.2021	PF	Use of happy seeder for wheat sowing	1	ON	9	4	13	8	4	12
20.12.2021	PF	Rai cultivation by ZT techniques	1	ON	31	2	33	7	1	8
22.12.2021	PF	Irrigation management in Rabi crops	1	ON	8	13	20	6	12	18
28.01.2021	RY	Operation, repair and maintenance of crop harvesting equipments	1	On	20	0	20	2	0	2
09.02.2021	RY	Repair and maintenance of improved tillage and sowing implements	1	ON	18	0	18	3	0	3
16.03.2021	RY	Operation and maintenance of improved sowing implements	1	On	18	0	18	2	0	2
08.04.2021	RY	Repair and maintenance of improved tillage and sowing implements	1	On	18	0	18	3	0	3
9-10 Aug. 2021	RY	Repair & maintenance of improved sowing implements	2	On	15	0	15	2	0	2
08-09 Sept. 2021	RY	repair and maintenance of modern sowing and harvesting machine	2	On	12	3	15	1	3	4
10.09.2021	RY	Repair & maintenance of sprayers and its precautions	1	Online	16	0	16	2	0	2
06-07 Oct. 21	RY	Equipments for seed processing & grading operation, precaution & maintenance of	2	ON	28	0	28	2	0	2

		farm machines related to seed produciton								
21.10.2021	EF	Operation, care, maintenance & caliberation of ZT, happy seeder and planters	1	Off	78	12	90	11	1	12
Animal Sc.										
18.01.2021	PF	Poultry farming	1	Off	0	21	21	5	16	21
21.01.2021	PF	Poultry farm management	1	Off	20	0	20	20	0	20
23.01.2021	PF	poultry farming	1	Off	18	2	20	18	2	20
02.02.2021	PF	Poultry disease management	1	Off	26	0	26	26	0	0
13.03.2021	PF	Disease management of goat	1	Off	17	35	52	10	20	30
24.03.2021	PF	Disease management of livestock	1	Off	55	12	67	25	6	31
07.05.2021	PF	Disease managemnet of goats	1	Online	17	1	18	1	0	1
12.05.2021	PF	Housing & disease management of dairy cows	1	Online	17	2	19	2	0	2
24.05.2021	PF	Murgi Palan	1	Online	16	1	17	0	0	0
01.06.2021	PF	Clean milk production	1	Online	21	0	21	2	0	2
01.06.2021	PF	Reproductive disorder in cattle	1	Online	60	15	75	12	5	17
15.06.2021	PF	Care & management of infectious disease in dairy cattle	1	Online	19	0	19	3	0	3
18.06.2021	PF	Vaccination schedule of goat	1	Online	17	1	18	2	0	2
29.06.2021	PF	Fish cum poultry farming	1	Online	15	0	15	0	0	0
07.07.2021	PF	Dairy Farm Management	1	Online	17	0	17	3	0	3
26.07.2021	PF	Rearing/ Brooding of chicks	1	Off	18	1	19	16	1	17
21.08.2021	PF	Disease management of dairy cattle	1	On	33	5	38	1	0	1
23.08.2021	PF	Feeding management of cattle	1	Off	19	0	19	4	0	4
26.08.2021	PF	Food and nutritional value of	1	On	41	15	56	0	15	15

		dairy by product								
13-14 Sept. 2021	PF	Goat farm Management	2	On	32	3	35	9	0	9
15.09.2021	PF	Infertility problem in dairy cattle	1	Off	65	0	65	5	0	5
04.10.2021	PF	Housing management of cattle shed	1	ON	16	0	16	1	0	1
06.10.2021	PF	Cleaning of cattle shed and vaccination schedule	1	Off	25	0	25	5	0	5
22.10.2021	PF	Clean milk production and disease management	1	off	20	0	20	0	0	0
25.10.2021	PF	Goat farm Management	1	off	175	30	205	25	10	35
29.10.2021	PF	Balanced nutritional management for dairy cattle	1	off	164	3	167	15	0	15
01.11.2021	PF	Backyard Poultry	1	Off	60	20	80	15	5	20
26.11.2021	PF	Vaccination of livestock	1	Off	18	4	22	1	3	4
27-30 Jan 2021	RY	Dairy management	4	On	24	7	31	1	0	1
22-26 Feb 2021	RY	Goat farming	5	On	24	9	33	3	2	5
12-16 July 2021	RY	Goat farming	5	On	26	5	31	4	3	7
20.07.2021	RY	Feeding management of dairy cattle	1	Off	16	2	18	0	0	0
09-13 Aug. 2021	RY	Fish cum Poultry farming	5	On	30	1	31	1	0	1
01-03 Sept. 2021	RY	backyard poultry farming	3	On	17	18	35	3	18	21
06-10 Sept. 2021	RY	Dairy farm management	5	On	35	4	39	2	0	2
16-20 Sept. 2021	RY	Nutritional management of dairy cattle	5	On	35	2	37	9	0	9
07.10.2021	RY	Fodder seed production for dairy cattle	1	On	28	0	28	2	0	2
8.10.2021	RY	Importance of fodder seed for livestock and marketing	1	On	28	0	28	2	0	2
21.10.2021	RY	Housing and nutritional	1	Off	17	0	17	0	0	0

		management								
15-17 Nov. 21	RY	Goat farming	3	On	28	12	40	10	2	12
22-25 Nov. 21	RY	Dairy farm management	4	On	37	3	40	3	0	3
01-04. Dec 21	RY	backyard poultry farming	4	ON	37	3	40	6	0	6
06-08 Dec 21	RY	Dairy management	3	ON	32	8	40	3	1	4
13-16 Dec. 21	RY	Goat farming	4	ON	37	3	40	9	0	9
20-22 Dec 21	RY	Goat farming	3	ON	18	22	40	18	22	40
Home Sc.										
13.01.2021	PF	Tomato preservation	1	Off	18	12	30	4	2	6
01.02.2021	PF	carrot processing	1	On	13	0	13	1	0	1
02.02.2021	PF	Pulse processing	1	On	18	0	18	0	0	0
05.02.2021	PF	Pulse processing	1	Off	21	0	21	2	0	2
24.02.2021	PF	Scitific pulse storage	1	On	25	7	32	2	3	5
02.03.2021	PF	Food processing	1	Off	12	33	45	2	15	17
06.03.2021	PF	Pulse processing	1	Off	4	26	30	1	11	12
15.03.2021	PF	Food preservation	1	On	16	0	16	1	0	1
17.03.2021	PF	Use of small farm equipments	1	On	9	2	11	5	2	7
18.03.2021	PF	Mushroom production	1	On	28	0	28	4	0	4
26.04.2021	PF	Health and hygiene	1	On	18	0	18	2	0	2
18.06.2021	PF	Health and hygiene	1	On	51	3	54	8	1	9
23.07.2021	PF	Mushroom production	1	Online	0	21	21	0	2	2
02.08.2021	PF	Mushroom production	1	On	25	1	26	4	0	4
04.08.2021	PF	Popularization & health benefits of millets	1	On	16	1	17	2	0	2
05.08.2021	PF	Popularization & health benefits of millets	1	On	27	0	27	6	0	0
13.08.2021	PF	Popularization & health benefits of millets	1	Off	30	0	30	1	0	0
16.08.2021	PF	maize processing & production	1	Off	15	0	15	0	0	0
01.09.2021	PF	CRA practices for higher crop production	1	On	12	18	30	2	4	6
16.09.2021	PF	Mushroom production	1	On	15	0	15	1	0	1

		techniques								
20.09.2021	PF	CRA practices	1	On	25	0	25	4	0	4
03.09.2021	PF	Use of ICT in Agriculture	1	Off	28	0	28	0	0	0
21.09.2021	PF	Potato production & processing	1	Off	25	0	25	4	0	4
01.12.2021	PF	Value addition	1	ON	12	2	14	2	2	4
03.12.2021	PF	Nutrition gardening	1	ON	4	8	12	2	2	4
08.12.2021	PF	Mushroom production	1	ON	36	1	37	34	1	35
10.12.2021	PF	Post harvest technology	1	ON	9	4	13	8	4	12
20.12.2021	PF	Loss minimization techniques during storage	1	ON	31	2	33	7	1	8
22.12.2021	PF	Rural craft	1	ON	7	13	20	6	12	18
22.12.2021	PF	Nutrition gardening	1	ON	9	22	31	0	22	22
06-09 Jan 2021	RY	Mushroom production	4	On	26	4	30	5	0	5
21-24 Jan 2021	RY	Mushroom production	4	On	19	7	26	5	3	8
09.02.2021	RY	Mushroom production	1	On	3	15	18	3	0	3
08.04.2021	RY	Health and hygiene	1	On	18	0	18	3	0	3
30.07.2021	RY	Making guava Jelly	1	Online	0	22	22	0	4	4
16.07.2021	RY	making squash	1	Online	0	18	18	0	5	5
16-19 Aug. 2021	RY	Mushroom production	4	On	10	0	10	1	0	1
23.12.2021	RY	Mushroom Production	1	ON	32	3	35	32	3	35
03.06.2021	EF	Preserved products of Mango for Income generation	1	Off	26	12	38	8	3	11

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	Importance of vermicompost	Production, use & importance of verm	5	8	0	8				

		icom post								
Bee Keeper	Bee Keeper	Bee Keep er	30	25	0	25				
Bee Keepin g	Bee Keepin g	Bee Keep ing	6	18	7	25				
Bee Keepin g	Bee Keepin g	Susta inabl e bee keepi ng	5	24	1	25				
Bee Keeper	Bee Keeper	Bee Keep er	10	30	0	30				
Dairy manage ment	Dairy manage ment	Dairy mana geme nt	4	24	7	31				
Goat farming	Goat farming	Goat farmi ng	5	24	9	33				
Goat farming	Goat farming	Goat farmi ng	5	26	5	31				
Fish cum Poultry farming	Fish cum Poultry farming	Fish cum Poult ry farmi ng	5	30	1	31				
backyar d poultry farming	backyar d poultry farming	back yard poult ry farmi ng	3	17	18	35				
Dairy farm manage ment	Dairy farm manage ment	Dairy farm mana geme nt	5	35	4	39				
Nutritio nal manage ment of dairy cattle	Nutritio nal manage ment of dairy cattle	Nutri tiona l mana geme nt of dairy cattle	5	35	2	37				
Dairy farm manage ment	Dairy farm manage ment	Dairy farm mana geme nt	4	37	3	40				
backyar d poultry farming	backyar d poultry farming	back yard poult ry farmi ng	4	37	3	40				
Dairy manage	Dairy manage	Dairy mana	3	32	8	40				

ment	ment	geme nt								
Goat farming	Goat farming	Goat farmi ng	4	37	3	40				
Goat farming	Goat farming	Goat farmi ng	3	18	22	40				
Mushro om product ion	Mushro om product ion	Mush room prod uctio n	4	26	4	30				
Mushro om product ion	Mushro om product ion	Mush room prod uctio n	4	19	7	26				
Mushro om product ion	Mushro om product ion	Mush room prod uctio n	4	10	0	10				

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

I) Sponsored Training Programmes

Sl .	Title	Thema tic area	Mo nth	Duratio n (days)	Cli ent	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	Kris hak Vai gya nik Vart a	Cattle manag ement	Jan 21	1	PF	1	55	15	0	0	0	0	55	15	0	70	ATMA, Jehanaba d
2	Care and mai nten anac e of cattl e in sum mer seas on	Diseas e manag ement	Ma rch	1	PF	1	35	5	0	0	0	0	35	5	0	40	ATMA, Jehanaba d

3	Preservation of mango products for income generation	Value addition	June 21	1	EF	1	64	4	0	5	0	0	69	4	0	73	ATMA, Jehanabad
4	Direct sowing of paddy	DSR Techniques	June	1	EF	1	64	4	0	5	0	0	69	4	0	73	ATMA, Jehanabad

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	10	675	45	720	9	0	0	0	675	45	720
KisanMela	4	-	-	Mass							
KisanGhoshthi	4			Mass							
Exhibition											
Film Show	1										1
Method Demonstrations											
Farmers Seminar											
Workshop	10	-	-	10	-	-	-	-	-	-	10
Group meetings											
Lectures delivered as resource persons											
Advisory Services	5960	5632	328	5960	12	0	0	0	5632	328	5960
Scientific visit to farmers field	372	284	88	372	10	0	0	0	284	88	372
Farmers visit to KVK	456	361	105	456	11	0	0	0	361	105	456
Diagnostic visits	67	67	0	67	8	0	0	0	67	0	67
Exposure visits	10	393	0	393	20	0	0	0	393	0	393
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp	4										Mass
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
MahilaMandals Conveners meetings											
Special Programmes (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	41			Mass							
Rabi Maha Abhiyan	2	230	42	272	7	0	0	0	230	42	272
AMrit Mahotsava	1	164	3	167	10	0	0	0	164	3	167
Awareness programme for balanced use of	1	54	0	54	6	0	0	0	54	0	54

fertilizer											
Plantation cum awareness programme (Har Med Par Ped)	1	40	12	52	7	0	0	0	40	12	52
Virtual Training programme on Bio Char conducted by BAU, Sabour	1										-
Webinar on Severe acute malfunction	1										-
Online training programme on Software sponsored by ICAR (IASRI), New Delhi	1										-
Krishak Gosthi cum awareness programme on food & nutrition for farmers 75 th Azadi ke Amrut Mahotsava	1	75	26	101	10	0	0	0	75	26	101
Poshan Maha Abhiyan and Tree Plantation Campaign	1	85	143	228	9	0	0	0	85	143	228
Exposure visit at CRA village	2	283	0	283	10	0	0	0	283	0	283
Krishak Gosthi	1										228
Farmer Scientist Interaction programme & Live telecast of PM address about Millets crops	1	98	32	130	9	0	0	0	98	32	130
Within state exposure visit under CRA	1	40	0	40	0	0	0	0	40	0	40
Meeting	31										31
Total	6984	7831	783	8614	136	0	0	0	7831	783	8873

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	34
Radio talks	4
TV talks	5
Popular articles	3
Extension Literature	1
Research paper	1
Research abstract	1

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	4	0	0	0	19	5	24
International Women's Day (8 th Mar.)	1	0	53	53	6	0	0	0	0	53	53
Ambedkar Jayanti (14 th Apr.)	1	16	29	45	8	0	0	0	16	29	45
World Bee Day (20 th May)	1	29	16	45	9	0	0	0			
World Milk Day (1 st June)	1	60	15	75	10	0	0	0	60	15	75
International Yoga Day (21 st June)	1	Online									
ICAR foundation Day (16 th July)	1	40	12	52	7	0	0	0	40	12	52
Independence Day (15 th Aug.)	1	12	6	18	0	0	0	0	12	6	18
Parthenium Awareness Week (16 th to 22 nd Aug.)	1	21	8	28	8	0	0	0	21	8	28
Hindi Diwas (14 th Sep.)	-										
Gandhi Jayanti (2 nd Oct.)	-										
Mahila Kisan Diwas (15 th Oct.)	-										
World Food Day (16 th Oct.)	1	21	3	24	6	0	0	0	21	3	24
Vigilance Awareness Week (27 th Oct. to 2 nd Nov.)	1	4	18	22	0	0	0	0	4	18	22
National Unity Day (31 st Oct.)	-										
World Science Day (10 th Nov.)	-										
National Education Day (11 th Nov.)	-										
National Milk Day (26 th Nov.)	1	20	2	22	0	0	0	0	20	2	22
National Constitution Day (26 th Nov.)	1	20	2	22	0	0	0	0	20	2	22
World Soil Day (5 th Dec.)	1	72	10	82	11	0	0	0	72	10	82
Kisan Diwas (23 rd Dec.)	1	31	2	33	5	0	0	0	31	2	33

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	16.12.2021	Natural farming (Zero budget Natural Farming)	Hon'ble PM	380	12	0	392
2	23.11.2021	Inauguration of newly constructed administrative building of ATARI, Patna	Hon'ble AM	15	12	0	27
3	17.09.2021	Poshan Vatika maha abhiyan & vriksharopan programme	Hon'ble AM	221	12	99	332
4	28.09.2021	Farmers scientists interaction	Hon'ble PM	130	4	0	134

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	HD 2967 (F/S)	70.0	329000				
	S. Shrestha (F/S)	11.5	540501				
Paddy	R. Sweta (F/S)	110.0	470000 (Raw seed)				
	S. Harshit (F/S)	10.0	42000 (Raw Seed)				
Grand Total			845050				

0.6 ha paddy crop threshing is going on

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		200+ 500=700	350.00	-	-	2	2
Cabbage							
Tomato		400	200.00	-	-	1	1
Brinjal		4800+400= 5200	2600.00	-	-	2	2
Chilli		3200	1600.00	-	-	1	1
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						
Others, please specify. Vermicompost	15883.33	95300.00	-	-	1	1
Total	15883.33	95300.00	-	-	1	1

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		64.5 kg		
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 2021						
Rabi 2021						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2019				
2020				
2021				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers	Climate resilient agricultural technologies suitable for rainfed/drought conditions-experiences under NIICRA Project	Shobha Rani, Jeetendra Kumar, Ajit Kumar Paswan	5 th international agronomy congress 2021	
	Progressive development of irrigation potential in India	Jeetendra Kumar	International conference on Global Initiative in Agricultural, Forestry and Applied Sciences for Food Security, , Environmental safety and sustainable development, 17-18 Oct., 2021, Dehradun	
Books	Krishak sandesh, September , 2021	Shobha Rani, Jeetendra Kumar, Dinesh Mahto, Wajid Hasan, Ajit Kr. Paswan	September , Year 9 issue 19, KVK, Jehanabad, ISBN 2320-6950	1000
	Implications for Climate Smart Agriculture	Wajid Hasan , Sachin G. Mundhe, Abdul Majid Ansari and Shivani Kumari	BIOTECH BOOKS® New Delhi. ISBN:978-81-7622-501-4. Pages 353.	
	Solanum melongena: Production, Cultivation and Nutrition.	Abdul Majid Ansari, Wajid Hasan and M. Prakash	Nova Science Publishers, Inc. NY, USA, ISBN: 978-1-68507-311-4. Pages 490.	
Bulletins	Sukhad ki sthiti me vaikalpic krishi takniik	Dr. Shobha Rani, Er. Jeetendra Kumar and Atul Kumar	KVK, Jehanabad, Technical Bulletin No.01/2020-21	500
	Dalhani Faslon me sprinkler vidhi se sinchai	Jeetendra Kumar	KVK, Jehanabad, Technical Bulletin No.02/2020-21	500
	Rai avam Sarso ki Vaigyanik kheti	Dr. Shobha Rani, , Sri Ajit Kr. Paswan	KVK, Jehanabad, Technical Bulletin No.03/2020-21	1000
	Chana ki Unnat kheti	Dr. Shobha Rani, , Sri Ajit Kr. Paswan	KVK, Jehanabad, Technical Bulletin No.04/2020-21	1000
	Masoor ki Unnat kheti	Dr. Shobha Rani, , Sri Ajit Kr. Paswan	KVK, Jehanabad, Technical Bulletin No.05/2020-21	1000
News letter	Krishak Samachar Oct.-Dec. 2021	Dr. Shobha Rani, Er. Jeetendra Kumar, Dr. Dinesh Mahto, Dr. Wajid Hasan, Sri Ajit Kr. Paswan	Oct.- Dec. 2021, KVK, Jehanabad	1000
	Krishak Samachar July-Sept. 2021	Dr. Shobha Rani, Er. Jeetendra Kumar, Dr. Dinesh Mahto, Dr. Wajid Hasan, Sri Ajit	July-Sept. 2021,, KVK, Jehanabad	1000

		Kr. Paswan		
	Krishak Samachar Jan-March 2021	Dr. Shobha Rani, Er. Jeetendra Kumar, Dr. Dinesh Mahto, Dr. Wajid Hasan, Sri Ajit Kr. Paswan	Jan-March 2021, KVK, Jehanabad	1000
Popular Articles	Gajar Ghas-Roktham. Krishak sandesh,	Ajit Kr. Paswan, Jeetendra Kumar, Wajid Hasan and Shobha Rani (2021)	September, Year 9 issue 19, KVK, Jehanabad, BAU, Sabour, ISSN 2320-6950: 34-35.	
	Behtar Karya Kshamata ke Liye Tractor ke Vibhinn Pranaliyon ka swa-Nirikshan evam Dekhbhal.	Jeetendra Kumar	Krishak sandesh, January 2021, Year 9 issue 11, KVK, Munger, ISSN 2320-6950: 18-19.	
	Sanrakshit Kheti ke Madhyam se Behtar Sinchai Prabandhan evam Jal Sanchayan	Jeetendra Kumar	Krishak sandesh, September 2021, Year 9 issue 19, KVK, Jehanabad, BAU, Sabour, ISSN 2320-6950: 14-15.	
Book Chapter	Drip sinchai pranali ka dhekbhal evam aavadhil nirikshan.	Kumar, J., Rani, S., Paswan, A.K. and Mahto, D. (2021).	Unnat Pradyogiki dwara Yuva Sasaktikaran, Smarika of Kisan Mela 2021, DEE, BAU, Sabour: page 204-206	
	Integrated Phytoparasitic Nematodes Management in Eggplant (<i>Solanum melongena</i> L.).	Rashid Pervez, Rajkumar and Wajid Hasan	<i>In: Solanum melongena: Production, Cultivation and Nutrition.</i> ISBN: 978-1-68507-311-4. Editors: Abdul Majid Ansari, Wajid Hasan and M. Prakash. 2021. Nova Science Publishers, Inc. NY, USA, Pages 490	
	S. Lekha Priyanka, R. NagasriNavya, M. Chandrasekaran and Wajid Hasan	Role of Secondary Plant Metabolites against Insects. P 325-340.	<i>In: Hi-tech Crop Production and Pest Management.</i> ISBN: 978-81-7622-500-7 Editors: Wajid Hasan , Md. MotiarRohman, Mehjabeen and PayelPanja. © 2021 BIOTECH BOOKS® New Delhi.	
	Sunil Kumar Ghosh and Wajid Hasan	Red Spider Mite (<i>Tetranychusurticae</i> Koch) Infestation on Brinjal/ Eggplant (<i>Solanum melongena</i> L.) and Environmental Sustainability. P 299-312.	<i>In: Hi-tech Crop Production and Pest Management.</i> ISBN: 978-81-7622-500-7 Editors: Wajid Hasan , Md. MotiarRohman, Mehjabeen and PayelPanja. © 2021 BIOTECH BOOKS® New Delhi.	
	S.G. Mundhe, Wajid	Mitigation and	<i>In: Implications for</i>	

	Hasan and Trisha Manna	Adaptation Strategies for Doubling the Farmers Income under Climate Smart Agriculture. P 293-310	Climate Smart Agriculture. ISBN: 978-81-7622-501-4 Editors: Wajid Hasan, Sachin G. Mundhe, Abdul Majid Ansari and Shivani Kumari. © 2021 BIOTECH BOOKS® New Delhi.	
	Gramin Yuwaon ke liye pashpalan me rojgar ke awsar.	Mahto, D., Rani, S. and Kumar, J. (2021).	Unnat Pradyogiki dwara Yuva Sasaktikaran, Smarika of Kisan Mela 2021, DEE, BAU, Sabour: page 93-96.	
Extension Pamphlets/ literature				
Technical reports	• MPR (English), MPR (Hindi) • Annual Report of KVK, Jehanabad (Jan-December 2020) • Extension Council Report (Oct.2020-March 2021) • Extension Council Report (April-September 2021) • SAC Report 2021	Dr. Shobha Rani ¹ , Er. Jeetendra Kumar ² , Dr. Dinesh Mahto ³ , Dr. Wajid Hasan ⁴ , Sri Ajit Kr. Paswan ⁵ 1 Sr. Scientist & Head, KVK, Jehanabad, B.A.U., Sabour 2,3,4,5 Subject Matter Specialist, KVK Jehanabad		
	• Annual Report of NICRA Project (April 2020-March 2021) • NICRA QPR (Jan.-March 2021) • Compile Report 2011-2021 of NICRA Project	Dr. Shobha Rani ¹ , Er. Jeetendra Kumar ² 1Sr. Scientist & Head, KVK, Jehanabad, B.A.U., Sabour 2 Subject Matter Specialist (Agril. Engg.), KVK Jehanabad		
Electronic Publication (CD/DVD etc)	Short Video film recording on Interventions demonstrated in Rabi season including Groundwater recharge borewell, Open well renovation, Zero tillage wheat, Goat farming, Fodder (Oat) seed production, portable goatryshed, Lentil-mustard & Chickpea-Linseded intercropping etc - Recorded by	Dr. Shobha Rani, Er. Jeetendra Kumar	NICRA Project, KVK, Jehanabad	

	Media lab of BAU, Sabour			
	Short Video film recording on ZT Wheat under CRA Programme.- Recorded by Media lab of BAU, Sabour	Dr. Shobha Rani, Er. Jeetendra Kumar	CRA Project, 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 personnel and designation	Date and Duration	Organized by
1.	Training	11 th advance course on "Conservation Agriculture" gateway for productive and sustainable cropping system	Sri Ajit Kumar Paswan, SMS (Agronomy)	06- 18 th December, 2021	BISA, CYMMYT
2.					
3.					
4.					

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

Name of farmer	Jh lw;Z çdk'k
Address	vk;ZiFk] eYykgpd tgkukckn
Contact details (Phone, mobile, email Id)	9006889063
Landholding (in ha.)	0.2
Name and description of the farm/ enterprise	pvk;kZ e'k:e QkeZP Jh lw;Z çdk'k ,d tks'khyk] deZB tgkukckn esa eYykgpd dk jgus okyk f'kf{kr ukStoku fdlku gSA mlds eu esa 'kq: ls gh dqN u;h&u;h rduhdksa dks lh[kdj mls viukus dh ftKklk jgrh gSA blh Øe esa mlus o"kZ 2019&20 esa —f'k foKku dsUæ] xa/kkj] tgkukckn esa e'k:e mRiknu dk çf'k{k.k çklr fd;kA dsUæ ls çf'k{k.k çklr djus ds mijksr e'k:e mRiknu dks ,d O;olk; ds :i esa 'kq: djus dk Bku fy;kA igys mlus vkj;LVj e'k:e dk mRiknu fd;k vkSj cspkA vk;LVj e'k:e mRiknu esa lQyrk çklr djus ds i'pkr~ mlus cVu e'k:e mRiknu djus dk fu'p; fd;kA blds fy, loZçFke vius ?kj esa gh nks dejs esa ftldk lkb 14 X 12 QhV gS mlesa cVu e'k:e mRiknu 'kq: fd;k gS bu nksuksa dejksa esa mlus rkieku fu;a=.k ds fy, ,j&daMh'ku Hkh yxk j[kk gSA tgkj 200 cSx ls djhc 450 fdyksxzke cVu e'k:e dk

	mRiknu djds fn[kk;kA fQj tc blesa lQyrk feyh rks mls cM+s Lrj ij djus dk eu cuk fy;kA vkt og tgtkukckn ftyk ds djksuk xzke esa ,d cM+s gkWYy esa ftldk lkbT 55 QhV X 45 QhV gS mlesa ,d cM+k e'k:e bdkbZ Þvk;kZ e'k:e QkeZÞ ds uke ls pyk jgk gS ftlesa djhc 450 cSx ,oa nks csM esa og cVu e'k:e dk mRiknu dj jgk gSA mldk vkSlr mRiknu 2&2-5 fdyksxzke çfr cSx gSA og ekSle esa 100 fdyksxzke çfrnu cVu e'k:e dk vkSlr mRiknu dj jgk gSA ftls og cktkj esa 150 :i;s çfrfdyks ds fglkc ls csprk gSA orZeku esa bl O;olk; ls mls dqy feykdj 7.50 yk[k :i;s dh dqy vkenuh gks jgh gSA mldk 'kq:vkrrh ykxr 2.0 yk[k :i;s yxk FkKA blfy, mldks 5.50 yk[k :i;s dh 'kq) vkenuh orZeku esa gks jgh gSA vkxs pydj mldh vkenuh vkSj vf/kd c<+sxh pqfd bdkbZ fuekZ.k esa yxk;h x;h 'kq:vkrrh iw;th vkxs ugha yxkuh iM+sxhA og cVu e'k:e mRiknu ds fy, vko';d dEiksLV dk fuekZ.k [kqn gh ikbi fof/k ls djrk gSA ftlds fy, mlus ,d etnwj j[kk gSA fQj dslhax esVsfj;y Hkh og [kqn gh rS;kj djrk gSA og dEiksLV vkSj dslhax esVsfj;y nwljs fdlkuksa dks csprk Hkh gSA ftys esa vU; fdlkuksa ds fy, og ,d mnkgj.k is'k dj jgk gSA Hkfo"; esa vk;kZ e'k:e QkeZ esa Hkh ,;jdaMh'ku yxk dj lkyksHkj mRiknu djus dh mldh ;kstuk gS lkFk gh e'k:e çlaLdj.k dh fn'kk esa Hkh og vkxs c<uk pkgRk gSA
Economic impact	,d cM+s gkWYy esa ftldk lkbT 55 QhV X 45 QhV gS mlesa ,d cM+k e'k:e bdkbZ Þvk;kZ e'k:e QkeZÞ ds uke ls pyk jgk gS ftlesa djhc 450 cSx ,oa nks csM esa og cVu e'k:e dk mRiknu dj jgk gSA mldk vkSlr mRiknu 2&2-5 fdyksxzke çfr cSx gSA og ekSle esa 100 fdyksxzke çfrnu cVu e'k:e dk vkSlr mRiknu dj jgk gSA ftls og cktkj esa 150 :i;s çfrfdyks ds fglkc ls csprk gSA orZeku esa bl O;olk; ls mls

	dqy feyk dj 7.50 yk[k :i;s dh dqy vkenuh gks jgh gSA mldk 'kq:vkrh ykxr 2.0 yk[k :i;s yxk Fkka blfy, mldks 5.50 yk[k :i;s dh 'kq) vkenuh orZeku esa gks jgh gSA vkxs pydj mldh vkenuh vkSj vf/kd c<+sxh pqfd bdkbZ fuekZ.k esa yxk;h x;h 'kq:vkrh iwjth vkxs ugha yxkuh iM+sxhA
Social impact	og cVu e'k:e mRiknu ds fy, vko';d dEikSLV dk fuekZ.k [kqn gh ikbi fof/k ls djrk gSA ftlds fy, mlus ,d etnwj j[kk gSA fQj dslhax esVsfi;y Hkh og [kqn gh rS;kj djrk gSA og dEikSLV vkSj dslhax esVsfi;y nwljs fdlkuksa dks csprk Hkh gSA ftys esa vU; fdlkuksa ds fy, og ,d mnkgj.k is'k dj jgk gSA Hkfo"; esa vk;kZ e'k:e QkeZ esa Hkh ,jdaMh'ku yxk dj lkykSHkj mRiknu djus dh mldh ;kstuk gS lkFk gh e'k:e çlaLdj.k dh fn'kk esa Hkh og vkxs c<uk pkgrk gSA
Environmental impact	□□□□ □□ □□□□ □□□□ □□□□□□ □□ □□□ □□□□□□ □□
Horizontal/ Vertical spread	og dEikSLV vkSj dslhax esVsfi;y nwljs fdlkuksa dks csprk Hkh gSA ftys esa vU; fdlkuksa ds fy, og ,d mnkgj.k is'k dj jgk gSA



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

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

1	Value addition in paddy straw by making decorative crafts	Smt. Suneeta Kumari	Different types of scenary, mementos and other decorative wall hanging are made out of paddy straw (Crop residue)
2	Straw bale making for use as feed block	Sri Suryavanshi Sharma	After Paddy harvesting by combine harvester the left straw utilized to make straw bale by straw baler machine and use for feeding to animals which helped in crop residue management and timely sowing of rabi crops

- 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
	A. PRA. B. Survey using (Questionnaires & Schedule) C. Meeting-Discussion. D. Observation (Participant & Non Participant observation)	1. Need assessment 2. Designing of action plan based on the needs 3. To find out availability of local resources

- 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
-	82	82

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

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

- 3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Awareness programme cum training	82	0	0	0	82
2	Soil card distribution					
3	Quiz					

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.)
22	-	-	368	-

3.13. Technology week celebration

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

3.14. RAWF/ FET programme – is KVK involved? (Y/N)

No of student trained	No of days stayed
2	120 days

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
13.02.2021	Dr. A.K. Singh, Director, ATARI, Patna	NICRA Zonal Workshop
	Dr. R.N. Singh, ADEE, BAU, Sabour	
	Dr. Amrendra Kumar, ATARI, Patna	
01.03.2021	Dr. R.K. Sohane, Hon'ble V.C., BAU, Sabour	Review of KVK
12.04.2021	Dr. R.N. Singh, ADEE, BAU, Sabour	Review of KVK
22.06.2021	Dr. A.K. Singh, Director, ATARI, Patna	Concluding meeting of NICRA
	Dr. R.N. Singh, ADEE, BAU, Sabour	
	Dr. Amrendra Kumar, ATARI, Patna	
03.08.2021	Dr. S.B. Singh, RD, ARI, Patna	Review of KVK
28.08.2021	Dr. R.N. Singh, ADEE, BAU, Sabour	SAC Meeting
17.09.2021	Hon'ble Ex- MP, Dr. Jagdish Sharma	Poshan Vatika Maha Abhiyan and tre plantation
	Sansad Pratinidhi, Jehanabad, Sri Bablu Kumar	
	DPO, Jehanabad	
	CDPO, Jehanabad	

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 (BSDM) (Bee Keeper)	105	55	0	24000
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	105	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	42
Zero tillage	35

Give information in the same format as in case studies

4.2. Details of 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 generation	48
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 (Sahabhangi), 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	Value Addition
Name of the Innovation	Value addition in paddy straw by making decorative crafts
Details of Innovator	Name- Smt. Suneeta Kumari Vill- Tehta, Block- Makhdumpur, Distt.- Jehanabad
Back ground of innovation	Different types of scenery, mementos and other decorative wall hanging are made out of paddy straw (Crop residue)
Technology details	Value addition in paddy straw by making decorative crafts
Practical utility of innovation	Low cost technology and helped in Income generation

Thematic area	Crop Residue Managemnet
Name of the Innovation	Straw bale making for use as feed block
Details of Innovator	Name- Sri Suryavanshi Sharma Vill- Waina, Block- Modanganj, Distt.- Jehanabad
Back ground of innovation	After Paddy harvesting by combine harvester the left straw utilized to make straw bale by straw baler machine and use for feeding to animals which helped in crop residue management and timely sowing of rabi crops
Technology details	Straw bale making for use as feed block
Practical utility of innovation	Low cost technology, crop residue management and timely sowing of rabi crops

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Bee Keeper
Name & complete address of the entrepreneur	Hareram Kumar S/o Ramchandra Singh Village: Mirganj, Block: Ratni Faridpur, Jehanabad-804429 Mob: 9973545438
Role of KVK with quantitative data support:	Krishi Vigyan Kendra, Jehanabad motivate and trained to Mr. Ram. By motivation, he done wonderful work for livelihood security.
Timeline of the entrepreneurship development	He has working in bee keeping enterprises since last five years.
Technical Components of the Enterprise	Bees, Bee boxes, Training, Crops
Status of entrepreneur	In the season 2019-20, he extracts 200,00 kg honey and sale it in local market @ 150-

before and after the enterprise	250/kg. The total income of Mr. Kumar from bee keeping was Rs. 24,00,000 during 2019-20, season. While In the season 2020-21, he extracts 220,00 kg honey and sale it in local market @ 150-250/kg. The total income of Mr. Kumar from bee keeping was Rs. 27,00,000 during 2020-21, season. He has earned total of Rs. 6, 00,000 by selling Bee Boxes with bee colony during 2020-2021. He has expertise to produce queen bees, increase his bee boxes from 20 to 500 in his apiary. He has trained to 42 rural youth in his locality. Among them total 12 started bee keeping. He has generated employment to 4 people.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Mr Hareram is a farmer having 2 acres of land, is a progressive bee keeper and has starting bee keeping as enterprises from 2015 with 20 bee boxes after getting training on Bee keeper from KVK Jehanabad. He is a successful bee keeper in Jehanabad District having 500 bee boxes. He is a hardworking 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. Ram has been taking action against these problems to protect his bees. Some bee boxes affected with swarming and absconding, he collects those bees from trees and again introduce in bee boxes.
Horizontal spread of enterprise	He has trained to 50 rural youth in his locality. Among them total 12 started bee keeping. He has generated employment to 4 persons.



Entrepreneurship development	
Name of the enterprise	Kshiras Dairy project
Name & complete address of the entrepreneur	Sri Santosh Kumar, Malahchak, Jehanabad
Role of KVK with quantitative data support:	Training & technological support

Timeline of the entrepreneurship development	Kshiras Dairy project for long term
Technical Components of the Enterprise	Dairy, fresh paneer, cow ghee, Dahi and milk
Status of entrepreneur before and after the enterprise	Income increased by 40%
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	After starting entrepreneurship, 4-5 labours, marketing in Jehanabad, Patna, Gaya & online and home delivery
Horizontal spread of enterprise	Development of milk and milk by- product



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 5 adopted villages
- 5 Farmers' Clubs have been formed and running in collaboration with NABARD in the adopted villages
- 5 FPOs were formed in collaboration with NABARD namely Gandhar Agro. Tech farmers producer company limited, Modanganj, Jehanabad, Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad, Cervam Kako Agro Producer Company Ltd., Kako, Jehanabad (2020), Barabar producer Co. Ltd, makhdumpur, Jehanabad (CSS Scheme) 2021 and Prayatan Producer, Co. Ltd, , Jehanabad (CSS Scheme) 2021
- KVK-FPO coordination for custom hiring of farm machineries (Combine harvester)
- KVK-FPO coordination for Agro- processing by women group for sattu, haldi, Besan making

- Making feed block of paddy straw & supply to COMFED, Jehanabad
- Button mushroom production besides Oyster mushroom by SHG under technical guidance of KVK

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.
IFFCO	Demonstration, Field day
IRRI, Varanasi	Demonstration, OFT, Crop Cafeteria, Field day
NIAM, Hyderabad	STRY training
Bihar Govt.	Demonstration (Crop Resilient Agriculture)
BAMETI, Patna	Domain and RPL training

5.2. List of special programmes undertaken during 2021 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
CRA programme	Crop Resilient Agriculture	Kharif & Rabi Season	Bihar Govt.
Animal Health Camp	Animal Health Camp		Bihar Govt.
Rashtriya Poshan Maah	Inauguration cum orientation workshop of National Nutrition month under the Chairmanship of Hon,ble DM, Jehanabad Distribution of planting material (Mango) for nutrition garden Training-cum-awareness programme & Nutri garden kit distribution Training-cum-awareness programme & Nutri garden kit distribution	September, 2021	ICAR
Kisan Mela	Mela and exhibition	February	BAU, Sabour

District level Krishi task force	Meeting	Monthly	DM Office
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(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
Krishak Vaigyanik Varta	Krishak Vaigyanik Varta	27.03.2021	ATMA
Animal Health Camp and PPR Vaccination programme	Animal Health Camp and PPR Vaccination programme	24.03.2021	Bihar Govt.
E- Mahila Sasaktikaran Chaupal	E- Mahila Sasaktikaran Chaupal	08.03.2021	BAU, Sabour
Kisan Mela	Kisan Mela	20-22 Feb 2021	BAU, Sabour
Udhan Pradarshini	Udhan Pradarshini	13.02.2021	ICAR
National Horticulture Mela	National Horticulture Mela	10.02.2021	ICAR
College Level Assessment of RAWE Students DKAC, Kishanganj	College Level Assessment of RAWE Students DKAC, Kishanganj	02.02.2021	ICAR
District level Kharif workshop cum Mahaabhiyan (Online)	District level Kharif workshop cum Mahaabhiyan (Online)	03.06.2021	ATMA
Awareness programme for balanced use of fertilizer	Awareness programme for balanced use of fertilizer	18.06.2021	ICAR
Plantation cum awareness programme (Har Med Par Ped)	Plantation cum awareness programme (Har Med Par Ped)	16.07.2021	ICAR
Virtual Training programme on Bio Char conducted by BAU, Sabour	Virtual Training programme on Bio Char conducted by BAU, Sabour	02.08.2021	BAU, Sabour
Webinar on Severe acute malfunction	Webinar on Severe acute malfunction	12.08.2021	ICAR
Online training programme on Software sponsored by ICAR (IASRI), New Delhi	Online training programme on Software sponsored by ICAR (IASRI), New Delhi	19.08.2021	ICAR
Krishak Gosthi cum awareness programme on food & nutrition for farmers 75 th Azadi ke Amrut Mahotsava	Krishak Gosthi cum awareness programme on food & nutrition for farmers 75 th Azadi ke Amrut Mahotsava	26.08.2021	ICAR
Poshan Maha Abhiyan and Tree Plantation Campaign	Poshan Maha Abhiyan and Tree Plantation Campaign	17.09.2021	ICAR
Krishak Gosthi	Krishak Gosthi	15.09.2021	ICAR
Exposure visit at CRA village	Exposure visit at CRA village	15.09.2021, 23.09.2021	Bihar, Govt.
Krishak Gosthi	Krishak Gosthi	15.09.2021	ICAR
Farmer Scientist Interaction programme & Live telecast of PM address about Millets crops	Farmer Scientist Interaction programme & Live telecast of PM address about Millets crops	28.09.2021	ICAR
Within state exposure visit under CRA	Within state exposure visit under CRA	30.09.2021	Bihar, Govt.

Rabi Maha Abhiyan cum Amrut Mahotsava	Rabi Maha Abhiyan cum Amrut Mahotsava	25.10.2021	ICAR
Vigilance Awareness Week	Vigilance Awareness Week	26.10.2021	ICAR
Rabi Maha Abhiyan cum Amrut Mahotsava	Rabi Maha Abhiyan cum Amrut Mahotsava	01.11.2021	ICAR
Inauguration of ATARI, Patna building	Inauguration of ATARI, Patna building	23.11.2021	ICAR
Krishak Vaigyanik Varta	Krishak Vaigyanik Varta	01.12.2021	ATMA, Jehanabad

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 Mushroom	17.1 kg	-	1710	
				Mushroom (Spawn)	Mushroom (Spawn)	50 kg	-	5000	
2.	Vermi Compost Unit	2014	144 sq. ft.	Vermi compost	Vermi compost	15883.33 kg	-	95300.00	
	Total					67.1		6710.00	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	10.12.2020 to 19.12.2020	15.04.2021	4.8	HD2967 S. Shretha	F/S F/S	81.5	173500	383050	-
Paddy	10.07.2021 to 30.07.2021	03.12.2021	5.12	R. Sweta S. harshit	F/S F/S	120.0	Raw Seed		0.6 ha paddy crop threshing is going on

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.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
02.03.2020-23.01.2021	30	28	Break due to lockdown during COVID-19
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters: 6

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	Q IV	Q V	Q VI
Jan-Dec. 2021	✓	✓	✓			

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Main A/c	PNB	Kako, Jehanabad	2321000100338968
KVK main A/c	SBI	BVC, Patna	-
KVK R/F A/c	PNB	Kako, Jehanabad	2321000100338979
KVK R/F A/c	SBI	BVC, Patna	-

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

Item	Released by ICAR		Expenditure		Unspent balance as on – 31.12.2021
	Kharif	Rabi	Kharif	Rabi	
Mustard	-	96000	-	25000	71000

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2013
	Kharif	Rabi	Kharif	Rabi	

7.4. Utilization of KVK funds during the year 2021(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	10979400	9881100	9262197
2	Traveling allowances	66000	62000	20204
3	Contingencies			
A	Stationary, O.E., POL, Telephone etc.	500000	470000	258582
B	Training Material, Training of farmers	200000	188000	188690
C	FLD	100000	94000	70258
D	OFT	75000	70500	45532
E	Maintenance of building	50000	47000	3870
F	Extension activities, kisan mela	50000	47000	-
G	SCSP- General	110000	103000	50355
H				
I				
J	Swachhta Expenditure	23000	NIL	11350
TOTAL (A)		12153400	10962600	9911038
B. Non-Recurring Contingencies				
1	SC-SP Capital	80000	72000	-
2				
3				
4				
TOTAL (B)		80000	72000	-
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		12233400	11034600	9911038

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)
2019	5711026.79	949931.00	464393.40	6196564.39
2020	6196564.39	1072887.00	452544.22	6816907.17
2021	6816907.17	863036.00	296734.00	7383209.17 + 944000 (Kind) Paddy + Wheat = 8327209.17

7.6. (i) Number of SHGs formed by KVKs- 6

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

- Agroprocessing (Sattu, Besan, haldi)
- Vegetable production.
- Goatry.
- Mushroom production.
- Agarbatti Making
- Decorative items making by use of Paddy straw
- Dairy
- Poultry
- Herbal pesticides & dhoopbatti
- Apiary
- Pickles making

(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
- FPO

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			✓
Animal 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)
False smut	Paddy	-	800 ha	Qualitative loss- upto 20%	130 ha
Wilt disease complex	Lentil	-	530 ha	Upto 20 %	140 ha

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
Lymphy skin disease	Crossbred Cow	October-November 2021	10-15%	No	

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

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	5200
3.	Mobile Apps developed by KVK	-
4.	Name of the App	<i>Kisan Sarathi App</i>
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.	Agronomy	4800	4800	5960
2.	Entomology	1321	1321	1565
3.	Agril Engg.	1251	1251	1530
4.	Animal Sc	1196	1196	1489
5.	Home Sc.	1032	1032	1376

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 &	16	645	0	645

	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 Awareness camp on cleanliness and plantation at KVK campus				

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	3	-
2. Basic maintenance	5	-
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 (Lok Sabha/Rajyasabha) participated							
No. of State Govt. Ministers							
	Participants (No.)						
	MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total
	Coverage by Door Darshan (Yes/No)						
	Coverage by other channels (Number)						

9.11. Details of Swachhta Hi Sewaprogramme 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	79	-	-

9.12. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness among farm women	8	94	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. SunitaKumari	Vill.-Tehta, Makhdumpur, Jehanabad	Innovative
18	Sri ShivnarayanYadav	Vill.- Lohgarh, Makhdumpur	Innovative

19	Gourav Raj	Vill.- Tira, Hulasganj	Innovative
20	Arvind Kumar Malviya	Vill. -Bandhuganj, Modanganj, Jehanabad	Innovative
21	Kamla Sharma	Vill.- Rampur Charui, Modanganj	Innovative
22	Badhan Prasad	Vill.- Dhamapur, Modanganj	Lead
23	Mrs. InduKumari	Vill.-Tehta, Makhdumpur, Jehanabad	Lead
24	Kaushal Sharma	Vill.- Sakrorha, Modanganj	Lead
25	Laxmikant Azad	Vill.- Jaikishunbigha, Modanganj	Lead
26	Pramila Devi	Vill.- Bandhuganj, Modanganj	Lead
27	Prem Kumar	Vill.- Kurua, Modanganj	Lead
28	Sant Kumar Sinha	Vill.- Sakrorha, Modanganj	Lead
29	Surendra Prasad Singh	Vill.- Saistabad, Modanganj	Lead
30	Rama Niwas	Vill.- Dehuni, Ghosi	Lead
31	Manoj Kumar	Vill.- Babhana, Jehanabad	Lead
32	Baidyanath Sharma	Vill.-Afjalpur, Kako, Jehanabad	Lead
33	Ranju Devi	Vill- Maulabigha, Modanganj	Lead
34	Sachidanand Prasad	Vill.-safepur, Kako	Lead

9.14. Revenue generation: NIL

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

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	BSDM	Skill training	BAMETI, Patna	3.93221	
2	CRA programme	CRA programme	Bihar Govt.	59.45807	
3	STRY	STRY	NIAM	0.42	
4	IRRI	OFT.Demo., Crop Café.	IRRI	1.50	
5	Short term research/ demo. And F.S. interation	Short term research/ demo. And F.S. interation	ATMA, Jehanabad	0.95	
6	Training cum exposure visit	Training cum exposure visit	ATMA, Nalanda	0.448	

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 2021

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	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	1	8
b.	Women	4	120
c.	Rural Youths	1	17
d.	Extension Personnel	-	-
2)	OFT	No. of OFTs	No. of beneficiaries
		1	6
3)	FLD	No. of FLDs	No. of beneficiaries
		5	268
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		120	630
5)	Other activities		
a.	Participants in extension activities (No.)		356
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.)		12

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Detailed report should be provided in the circulated Performa

14.a) Awards/Recognition received by the KVK in year 2021

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

b) Award received by Farmers in year 2021

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

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Gandhar Agrotech farmers producer company limited			Need based supply of rabi and Kharif seed and fertilizer	paddy ,wheat , lantil chickpea, seed and fertilizer	156		Timely available of seed and fertilizers for farmers.
2	Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad			Production and marketing of agriculture and allied products, agro processing	paddy ,wheat , lantil chickpea, seed and poultry, haldi, besan, sattu & herbal products	250		

3	Cervam Kako Agro Producer Company Ltd., Kako, Jehanabad (2020)			Production and marketing of agriculture and allied products	paddy ,wheat , lantil chickpea, seed and poultry			
4	Barabar producer Co. Ltd, makhdumpur, Jehanabad (CSS Scheme) 2021			Pulse production & processing	Pulse production & processing			
5	Prayatan Producer, Co. Ltd, , Jehanabad (CSS Scheme) 2021			Pulse production & processing	Pulse production & processing			
6	PragatishilKisan Club, Safepur		150212454, NABARD	Vegetable production	Okra, brinjal, radhish and haldi		0.05	
7	Maa kali Krishak Club, Rampur Charue		150212453, NABARD	Dairy and milk production	Milk and milk products		0.05	
8	PragatisheelKisan Club, Jaikishunbigha		150212443, NABARD	Cereal production	Rice & wheat		0.05	
9	PragatisheelKishak Club, Keshopur		150212431, NABARD	Vegetable production	Okra, brinjal, radhish and Tomato, cauliflower		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
	Mushroom Vermicompost, Azola						

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.	Mushroom	1	1 unit	1	9	20	218
2.	Vermicompost	1	1 unit	-	5	-	96

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Dairy Farming	Commercial Dairy Farming	3-4 lakh	221	
2	Goat farming	Commercial Goat farming	2-3 lakh	150	
3	Poultry farming	Backyard poultry farming, Broiler two layer farming	3 lakh	315	

4	Mushroom Production	Oyster and button mushroom	2.5 lakh	112	
5	Fishery	Bio Floc	4 lakh	15	
6	Bee Keeping		1 lakh	10	
7					

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 15.03.2020)	35	200	July 2021	Dr. Dinesh mahto Dr. Wajid Hasan Sri A. K. Paswan	Advisory service, awareness programme and training
II (up-to 24.04.2021)	150	5300			
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)

21. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019, 2020 and 2021

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	Dr. Dinesh	06.02.2017	28.03.2017	20	Y	152114.00

	poultry farm worker	mahto					
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	-	
2021	Bee Keeper (RPL)	Dr. Wajid Hasan	27.12.2021	10.12.2021	30	N	

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs.**, if any) if undertaken during 2021

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	
Capacity building programme for livestock management	Commercial dairy farming	3 days (6 hr/ day)	3	0	0	0	31	6	34	6	40	Rs. 40000.00
	Commercial goat farming	24 (6 hr/ day)	10	2	0	0	27	1	37	3	40	Rs. 40000.00

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	-	-	110	6	31	-

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.	Gandhar Pashchim Dhobari Dakshin Surdaspur Chotki Akauna Maulabigha banchilali	Backyard/Kitchen garden	6	42 X 15 30 X 30 35 X 10 40 X 30 10 X 5 50 X 30	130
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/pulses/oilseed/fruits & veg./others)	Name of Crop	Variety	Area (ha)	No. of beneficiaries
Waina, Chhapanna, Mananpur, Korma	Rabi	FLD	Cereal	Wheat	BHU-25, BHU-31 & PBW-1 Zn	3.0	8

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/veg./fruits/other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/beneficiaries
Mananpur & Chhotki Akauna	Mushroom, Tomato, Guava, Carrot, Awala and Payaya	Mushroom Product, JAM, Jelly, Sauce	FLD and Training	37

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Gandhar	Nutrition Gardening	1	12
Pashchim Dhobari	Preservation	1	21
Dakshin Surdaspur	Nutrition Gardening	1	07
Mananpur	Mushroom Production	1	13
Maulabigha	Nutrition Gardening	1	25

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Pashchim Dhobari	Krishak Choupal	1	30

23. Activities under KSHAMTA

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

24. 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 benefitted								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

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

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	

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

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

a) Demonstration of Zinc Fortified Wheat varieties under Harvest plus

Crop	Thematic area	Technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Wheat	Zinc fortified variety	BHU 25	06	1	34.4	31.8	8.17	32200	61920	29720	1.92	31800	57240	25440	1.8
Wheat	Zinc fortified variety	BHU 31	06	1	35.2	32.5	8.30	32200	63360	31160	1.96	31800	58500	26700	1.83
Wheat	Zinc fortified variety	WB 02	06	1	32.6	31	5.16	32200	58680	26480	1.82	31800	55800	24000	1.75

b) Trial under IRRI

Crop	Variety (5) (Provided by IRRI)	Area (ha)	No. of Farmers
Paddy	Swarna Samridhi, Sabour Shree, DRR-50, BRRI-69, Samba Sub-1	7.5	30

c) FLD (Dealers Demonstration-IRRI)

Crop	Variety (6)(Provided by IRRI)	Area (ha)	No. of Farmers	Status
Paddy	Swarna Sub-1, Ranjeet Sub-1, Bina Dhan-11, DRR-44, DRR-48, RP BIO-226	1.5	6	Maximum growth stage

d) Crop Cafeteria-IRRI

Crop	30 variety (Provided by IRRI)	Area (ha)
Paddy	Crop cafeteria (30 variety) CR-505, Sabour Deep, DRR-51, Swarna Sub-1, CR-508, bahadur Sub-1, Dubraj Selection-1, Sabour Sampann, NDR-2065, Sabour Harshit, DRR- 45, Rajendra Sweta, Samba Mahsuri sub-1, DRR-48, Sabour Ardhjal, Bina Dhan-11, Swarna Sreya, Sahbhagi, Rajendra Nilam, DRR-47, Rajendra Bhagawati, DRR-42, HUR-1309, MTU-1156, Rajendra Saraswati, MTU-1153, MTU-1010, BRRI-75, Zinco Rice MS	0.38 (Provided by IRRI)

e) Crop Calendar of Rabi- 2021 (Crop Resilient Programme)

Sl. No.	Crop	Variety	Technical Intervention	Sown Area (acre)
1	Wheat	HD-2967	Zero tillage	360
2	Wheat	S. Shrestha	Climate Resilient Variety	52.34
3	Lentil	IPL-316	Zero tillage	60
4	Chickpea	RVG-203	Zero tillage	45
5	Rabi Maize	Bahubali	Raised bed planting	25
6	Vegetable pea	Early giant	Line sowing/ Crop diversification	4.25
7	Linseed	Ruchi	Crop diversification	6.25
8	Lathyrus	Ratan	Zero tillage	5
9	Potato	Kufri Jyoti	Potato based farming system	0.16
10	Wheat+ Mustard	HD-2967+ RGN 73	Intercropping by ZT	10
11	Coriander (	Rajendra Dhanla 1	Crop diversification	5
12	Mustard	RGN 73	Zero Tillage	10
13	Nutrient expert/ INM/ Green Seeker based Wheat	. HD- 2967	Nutrient Management	20
14	Community irrigation		-	20

f) Demonstration under Climate Resilient Programme (Kharif 2021)

Crop	Technology	Demonstration (Acre)	No. of participants
Rice	DSR (Dry)	35	35
	DSR (Wet)	12	12
	Transplanting (R.Sweta)	123	123
	Climate Resilient Paddy var. S. Ardhjal	220	220
	Alternate wetting and drying	60	60
	Water harvesting and field bunding	40	40
	INM/ Nutrient expert/ Green Seeker based nutrient management	25	25
Ragi	Raised bed	20	32
Arhar	Raised bed	10	23
Maize	Raised bed	30	30
Total		575	600

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