Report of the
Quinquennial Review Team (QRT)
for the period of 2011-12 to 2018-19

1	Name and location of KVK	KrishiVigyan Kendra, Gandhar, Jehanabad
2	Name of the Head of KVK with Postal address and Telephone No.	**KrishiVigyan Kendra, Gandhar, Jehanabad, PIN- 804432, Mob. No.- 9431479522**
3	Name of District and State Head Qtrs.	District- Jehanabad, Patna (Bihar)
4	Sanction order No. and date	Sanction Order F. No. 18027/960AE0I (Pt.), Date of Sanction 24.03.2006
5	Date of Establishment	24.03.2006
6	Name and Address of the Host Instt.	Bihar Agricultural University, Sabour, Bhagalpur
7	Mandate and Functions of KVKs	Mandate: Technology Assessment and Demonstration for its Application and Capacity Development Functions • On-farm testing to assess the location specificity of agricultural technologies under various farming systems. • Organize Frontline Demonstrations to establish production potential of technologies on the farmers' fields. • Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies. • To work as knowledge and resource centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district. • Provide farm advisories using ICT and other media means on varied subjects of interest of farmers

8. Staff Position (based on Sanctioned Strength) and their mobility

S N	Designation	No. of Sanctioned Post	Name of person	Present Pay scale (Rs.)	Date of Joining	Dt. of Leaving
1	Sr. Scientist & Head	1	Dr. (Mrs.) Shobha Rani	37000-67000 GP-9000 Basic- 50720	15.05.2012	Continue
2			Dr. ShailBala Dei	-	29.11.2007	08.05.2012
3	SMS(Agril Engg.)	6	Er. Jeetendra Kumar	15600-39100 GP-6000 Basic- 29950	07.04.2012	Continue
4			Er. Mrinal Verma	15600-39100 GP-6000		
5	SMS (Animal Sc.)		Dr. Dinesh Mahto	15600-39100 GP-5400 Basic- 25080	16.04.2012	Continue
6			Dr. Sanjay Kumar	15600-39100 GP-6000	18.06.2019	14.11.2011
7			Dr. Arvind Kumar Sinha	37000-67000 GP-9000		
8	SMS (Entomology)		Dr. Wajid Hasan	15600-39100 GP-5400 Basic- 25080	16.04.2012	Continue
9	SMS (Agronomy)		Sri Ajit Kumar Paswan	15600-39100 GP-5400 Basic- 25080	19.04.2012	Continue
10	Programme Assistant (Lab. Tech)	1	Sri Kundan Kumar	9300- 34800 GP-4200, Basic-16140	29.10.2012	Continue
11	Programme Assistant (Comp.)	1	Sri Manoj Kumar	9300- 34800 GP-4200, Basic-15670	08.06.2015	Continue
12			Sri Ashwani Kumar	9300- 34800 GP-4200	21.05.2013	06.06.2015
13	Farm Manager	1	Sri Ram lakhan Thakur	9300- 34800 GP-4200, Basic-16140	06.07.2015	Continue
14			Sri Mritunjay Kumar	9300- 34800 GP-4200	08.11.12	04.07.2015
15	Assistant	1	Sri Dhananjay Kumar	9300- 34800 GP-4200, Basic-15670	15-04-2013	Continue
16	Stenographer	1	Sri Abhay Kumar	5200- 20200, GP-2400, Basic-13670	09.10.2017	Continue
17			Sri Biswajit Datta	5200- 20200, GP-2400,	21.06.1014	10.10.2017
18	Driver	1	Sri Ayush Kumar	5200- 20200, GP-2000, Basic- 8990	11.05.15	Continue
19		1	Sri Vijay Kumar	5200- 20200, GP-2000, Basic- 9260	18.05.15	Continue

9. Allocation under various Heads

Budget head	Preceding plan (Utilisation-Rs in lakh) 2012-13 to 2016-17		Current plan Utilization (Rs in lakh) 2017-18 & 2018-19				
	Budget	expenditure	Budget	expenditure	Budget	expenditure	Total
Pay & All	283.13	270.53	78.30	75.66	86.5	85.22	879.34
TA	5.5	5.69	1.30	1.26	1.17	1.17	16.09
Rec. Contingency	49.65	48.58	16.20	15.78	12.33	12.29	154.83
NRC							
Works	20.70	20.69					41.39
Vehicle	9.20	9.20					18.4
							0
Equipment					3.50	3.50	7
							0
Library							0
Other, if any					1.0	1.0	2

NRC= Non- recurring contingency

10. Infrastructural facilities available at KVK

Items	Details
Land	6.00ha
Office Building	1.00ha
Farmers' Hostel	Yes
Vehicle	Bolero-1, Motorcycle- 2
Tractor	1
e-connectivity	JIOand Airtel connectivity
Demo unit etc	0.35ha
Orchard/Agro-forestry	0.276 ha
Pond	0.836 ha
Polyhouse	0.06 ha
Green House	0.008 ha
Vermicompost	0.00038 ha
Under Roads	1.46962 ha
Borewell	1 submersible

11. Budget (Rs. In lakh)

a. ICAR

Head	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	TOTAL
Recurring (Including pay & allowances)	68.43	50.90	58.56	58.72	80.80	104.50	94.50	98.83	**615.24**
Non-Recurring	2.50	-	-	-	1.20	8.00	-	4.50	**16.20**
TA	1.00	1.25	0.75	0.50	1.50	1.50	1.30	1.17	**8.97**
Others:									
NICRA	22.36	8.25	10.25	12.50	11.05	9.60	8.40	6.53	**88.94**
CFLD	-	-	-	-	6.65	7.30	4.13	6.24	**26.21**
PMFBY	-	-	-	-	1.85	-	-	-	**1.85**
Kharif Mela	-	-	-	-	0.80	-	-	-	**0.80**
Rabi Mela	-	-	-	-	0.80	0.80	-	0.80	**2.40**
Skill Development	-	-	-	-	-	2.94	4.96	7.80	**15.70**
RKVY/ ICT facility	-	-	-	-	-	4.77	-	-	**4.77**
PPV&FRA	-	-	-	-	-	-	0.80	-	**0.80**
Sankalp se sidhi	-	-	-	-	-	-	0.75	-	**0.75**
IFS Model	-	-	-	-	-	-	-	9.20	**9.20**
Swachhta Campaign	-	-	-	-	-	-	-	0.14	**0.14**
CSISA project								1.60	**1.60**
BARAHI (Jharkhand)					0.21				**0.21**
Nehru Yuva Kendra				4.03					**4.03**
Rajgir Mahotsava				0.25					**0.25**
BGREI					0.07				**0.07**
Total	**94.29**	**60.4**	**69.56**	**76**	**104.93**	**139.41**	**114.84**	**136.81**	**796.24**

b. Other than ICAR: (Rs. in lakh)

Head	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	TOTAL
Mushroom Unit, Veg. Processing Unit	**8.84**	-	-	-	-	-	-	-	**8.84**
ATMA Jehanabad	**1.00**	-	**2.00**	-	-	-	-	-	**3.00**
Salahkar training	**8.55**	-	-	-	-	-	-	-	**8.55**
Post harvest tech	**0.42**	-	-	-	-	-	-	-	**0.42**
Sprinkler system	**0.95**	-	-	-	-	-	-	-	**0.95**
MMMP	-	**0.26**	-	-	-	-	-	-	**0.26**
WDC	-	**0.38**	-	-	-	-	-	-	**0.38**
Ground nut project	-	**0.15**	-	-	-	-	-	-	**0.15**
IRRI-NFSM	-	-	**1.10**	-	-	-	-	-	**0.15**
NHM	-	-			**1.00**	-	-	-	**1.00**
CSISA	-	-	-	-	-	-	-	**1.60**	**1.60**
Rajgir Mahotsava	-	-	-	-	**0.25**	-	-	-	**0.25**
NYK	-	-	-	-	**4.03**	**1.73**	-	-	**5.76**
NIAM Jaipur	-	-	-	-	-	**0.48**	-	-	**0.48**
BARAHI, Jharkhand	-	-	-	-	-	**0.21**	-	-	**0.21**
BSDM	-	-	-	-	-	-	**4.96**	-	**4.96**
STRC	-	-	-	-	-	-	**0.20**	-	**0.20**
Seed hub	-	-	-	-	-	-	**0.90**	-	**0.90**
Sale of bolero	-	-	-	-	-	-	-	**0.76**	**0.76**
Total	**19.76**	**0.79**	**3.1**		**5.28**	**2.42**	**6.06**	**2.36**	**39.77**

12. Agro climatic zone and jurisdiction (District/State Boundaries): Zone IIIB

a. Climate: Humid-hot climate
b. Traditional crops: Paddy – Wheat
c. Cropping system/situation: Paddy – Wheat/pulses- Moong (paddy- wheat/pulses-Moong). Also cultivation of oil seeds (Rai, Mustered), Potato, vegetables
d. Any other: Fishery, Dairy etc.

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy – Wheat/pulses- Moong (paddy- wheat/pulses-Moong). Also cultivation of oil seeds (Rai, Mustered), Potato, vegetables
2	Agro-climatic Zone	NARP Zone – III B: The area is alluvial plains with general slope towards North to East. The soils of the zones are classified as old alluvial. The agro climatic condition of the district offers excellent scope for plantation, medicinal and horticultural crops.
3	Agro ecological situation	Humid-hot climate: Rich in both ground and surface water resources and thus it is suitable for agriculture and fishery development
4	Soil type	Old alluvial-Clay: Hard in texture and low in organic matter contents Old alluvial – Loamy:Comparatively brittle and high in organic matter contents
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice- 26.79,Wheat-26.39.0, Chickpea-9.57, Lentil-8.70, Oilseeds-8.54*Qt./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

13. Major Activities Undertaken

- Training,
- Front Line Demonstration,
- On Farm Trial,
- Cluster Front Line Demonstration (CFLD),
- Skill Development Training (ICAR, BSDM),
- Seed Production,
- Field Day,
- Diagnostic Visit,
- Clinical Visit,
- Kisan Chaupal,
- Kisan Mela,
- Farmer- Scientist interaction programme
- Rabi workshop, kharif workshop
- Pre Kharif/Rabi Mela,
- Video conferencing,
- Technology week,
- Celebration of important days,
- Activities under NICRA Project,

- Activities under NIFTD Project,
- Survey work under CSISA Project,
- STCR Trial
- SAC Meeting

14. SWOT (Strengths, Weakness, Opportunities and threats) Analysis of KVKs

Strengths

- Hard working and devoted staff members
- Strong technological & infrastructural support from the host institution
- Regular & timely fund release from the host institution
- Good infrastructure development
- Good linkage with line departments, NGOs, NABARD and other agencies of allied areas
- Well connected with road, railway and national high way for easy communication
- Existence of Seed production farm and instructional farm
- Existence of Seed processing unit

Weakness

- Long distance from the university Headquarter
- KVK not centrally located in the district but situated at one end of the district
- Erratic rainfall
- Less availability of water due to low rainfall
- Low land of farm creates problem for rabi seed production and vegetable planting material production
- Work load of varying nature is increasing day by day on the KVK but No. of staff is limited
- Limited storage facility (60 ft x 34 ft) Godown
- Limited budget
- Limited manpower
- Lack of Boundary
- Lack of Security guard
- Lack of regular electricity
- High speed internet connection is lacking which creates difficulties in online reporting

Opportunities

- Scope of quality seed production due to very fertile soil suitable to paddy and wheat
- Market is easily available being near to Patna & Gaya.
- Very good communication networking through train and bus transport
- Comparatively smaller size of district results into easy & fast dissemination of technology
- Scope of income generation through animal husbandry (Goatry, poultry, dairy) due to large no. of livestovk.
- Good Linkage with line departments, JEEVIKA, Banks etc.
- Linkages with other research units of University & ICAR institutes like ARI (Patna),BRS (Islampur), CPRS (Patna), ICAR-RCER (Patna) .
- Scope for crop diversification.
- Scope of dairy farming due to availability of large number of pure breed of cows and buffaloes for higher milk production

Threats

- Effect of climate change resulted into drought like situation year by year
- Underground water level is depleting ((water level decreased by 10-12 ft)
- High temperature during summer at terminal stages affects crop growth
- Veterinary facilities are limited
- Lack of local structured marketing system leads to poor price of agriculture produce
- Job satisfaction level is low among staffs of KVK
- Small land holdings of district
- Unleveled land holdings
- 7^{th} Pay not implemented till date
- lack of service security and retirement benefits facility for KVK staffs

15. Brief account of progress made towards modernization of office, equipments, staff amenities, Transport, O& M reforms etc.

Modernization of office:

- Administrative Building
- Farmers Hostel
- Staff Quarters (6)
- Threshing floor
- Farm godown
- Fencing ($2650ft^{2)}$
- Mushroom production unit
- Shade house
- Seed Processing Unit
- Veg. Processing Unit
- Video conferencing unit
- PFMS
- Bio-metric system
- Vacuum Cleaner
- Fire extingusher
- Steel almirah
- LED flood light
- Xerox Photo Copier cum printer
- Water Cooler+ RO water purifier

AV Aids

- LCD Projector & Accessories
- Multimedia Projector
- P/A System,Sound System
- MPT Camera
- Panasonic 47 LED TV
- Computer System (Monitor, CPU, UPS, Laptop)
- CCTV camer & DVR

Equipments/ Farm Implements

- Mridaprikshak Soil test lab.

- Veterinary kit
- P.P Cap Sealing Machine
- Crown corcking machine
- Lug Cap sealer
- Heavy Duty Mixture Grinder
- Pulper
- Fruit mill junior
- Dehydrator Electrical
- Vacuum Filer
- Vegetable Juicer
- Tractor (MF1035DI)
- Power Reaper
- Zerotill seed cum fert. Drill
- Rotavator
- M.B Plough
- Disc Harrow
- Leveller
- Cultivator
- Multicrop thresher
- Conoweeder
- Paddy transplanter
- Raised bed planter
- Direct seeded rice machine
- Bund Farma Disc model
- Portable water lifting set
- Brush cutter
- Pesticides & fertilizer equipments

Transport

- Motor bike (2 units)
- Bolero

16. Efforts and achievements made in the last eight years towards upgradation of knowledge and skills of staff of KVK i.e. Human Resource Development (Training of Staff in Trainers' Training Centres and other Institutes etc).

Sl. No.	Year	Name of Programme	Name of KVK personnel and designation	From	To	Organized by
1.	2012	Engineering Interventions in conservation Agriculture for enhancing Agricultral productivity and climate change Mitigation	Er. Jeetendra Kumar	22-06-12	12-07-12	CIAE Bhopal
2.	2012	Training Programme on KVK & KVK net	Dr. Dinesh Mahto	18-12-2012	18-12-2012	B.A.U., Sabour
3.	2012	Training cum workshop on Farm Mechanization at ZPD0II, Kolkata.	Er. Jeetendra Kumar	21.12.2012	22.12.2012	ZPD0II, Kolkata.

4.	2012	Orientation cum Training Programme for Newely recqerited SMS,s & P.C	Dr. Shobha Rani	22.7.2012	26.7.2012	B.A.U., Sabour
5.	2012	Orientation cum Training Programme for Newely recqerited SMS,s & P.C	Dr. Wajid Hasan Dr. Dinesh Mahto Mr. Ajit Kr. Paswan	22.7.2012	28.7.2012	B.A.U., Sabour
6.	2013	Mobile Seminar on flower production at BAU, Sabour	Mr. Ajit Kr. Paswan	12-01-13	12-01-13	B.A.U., Sabour
7.	2013	Training for Farm Manager at BAU	Mr.Mritunjay Kumar	6.2.2013	8.2.2013	BAU, Sabou DEE, BAU, Sabour Bhagalpur
8	2013	Training on Managerial skill for KVK Scientist	Dr. Wajid Hasan	6.2.2013	8.2.2013	ARI, Patna
9	2013	Brain storming of Agricultural extension	Dr. Shobha Rani, Programme co-ordinator	26-4-2013	26-4-2013	BAU, Sabour
10	2013	Climate change & Indian horticulture	Dr. Shobha Rani, Programme co-ordinator	25-05-2013	27-05-2013	BAU, Sabour
11	2013	Innovative fodder production system	Sri Ajit Kumar Paswan, SMS (Agro.)	14-10-2013	21-10-2013	IGFRI, Jhansi
12	2013	Recent advances in stored grain insect pest management on water school	Dr. Wajid Hasan, SMS (Ento.)	13-11-2013	03-12-2013	TNAU, Coembatore
13	2014	HRD Training programme on Double entry system.	Assistant	12.06.2014	14.06.2014	BAU, Sabour
14	2014	Training on Aam –jaiw wiwidhata, utpadan,katae uprant prabandhan yawam niryat	Dr. Wajid Hasan, SMS(Ento.)	09.06.2014	11.06.2014	BAU, Sabour
15	2014	Training on agriculture marketing	Dr. Shobha Rani, Programme co-ordinator	28-01-2014	29-01-2014	NIAM, Jaipur
16	2014	Training on agriculture marketing	Dr. Dinesh Mahto, SMS (Animal Sc.)	30-01-2014	31-01-2014	NIAM, Jaipur
17	2014	HRD Training	Mr. Ashwani Kumar	29-01-14	30-01-13	BCKV, Nadia, Kalyani, Kolkata
18	2016	training programme on DSR	Ajit Kumar Paswan, SMS (Agro.)	28.05.2016	28.05.2016	BAU, Sabour, Bhagalpur
19	2016	Trainingon contingency crop plan	Dr. Shobha Rani, Programme Co-ordinator	30.05.2016	30.05.2016	ICAR-RCER, Patna
20	2016	Trainingon Development of KVK Website	Sri Manoj Kumar, Programme Assistant (Comp.)	24.6.2016	29.6.2016	BAU, Sabour, Bhagalpur
21	2016	Trainingon Women Empowerment & Gender Mainstreaming	Dr. Shobha Rani, Programme Co-ordinator	23.8.2016	25.08.2016	BAU, Sabour

22	. 2016	Trainingon statistical method for data analysis in agriculture	Er. Jeetendra Kumar, SMS (Agril. Engg.)	30.08.2016	03.09.2016	BAU, Sabour
23	2017	ToT training	Sri Ajit Kr. Paswan	28.12.2017	31.12.2017	BAU, Sabour
24	2017	Training (BSDM)	Dr. Shobha Rani, Dr. Wajid Hasan, Sri Ajit Kr. Paswan,	01.11.2017	01.11.2017	BAMETI, Patna
25	2017	Training	Dr. Shobha Rani	05.07.2017	05.07.2017	ICAR, RCER, Patna
26	2017	ToT training	Dr. Wajid Hasan	24.04.2017	03.05.2017	BAU, Sabour
27	2017	Training on skill development organized under ASCI norms	Dr. Shobha Rani, Programme Co-ordinator, Dr. Dinesh mahto, Scientist (Ani. Sc.) and Sri Manoj Kumar, Programme Assistant (Comp.)	06.1.2017	08.1. 2017	GBPUAT, Pantnagar
28	2017	Trainingon Extension Management	Dr. Dinesh mahto, Scientist (Ani. Sc.), Sri Kundan Kumar, Prog. Assit., Sri Ramalakhan Thakur, Farm Manager	023.2017	06.3.2017	BAU, Sabour
29	2018	Training on PFMS	Dr. Shobha Rani, Sr. Scientist & Head and Sri Dhananjay Kumar, Assistant	7.8.2018	8.8.2018	BAU, Sabour
30	2018	ToT programme	Dr. Dinesh Mahto, SMS (Ani. Sc.)	12.09.2018	18.09.2018	BAU, Ranchi
31	2018	Training of ToT (Bee keeper)	Sri Ajit Kumar Paswan, SMS (Agronomy)	03.8.2018	06.08.2018	BAU, Sabour
32	2018	Training on PFMS	Dr. Shobha Rani, Sr. Scientist & Head	03.06.2018	03.06.2018	STPI, Patliputra
33	2018	Training of Trainer programme on Forecast application for risk management in agriculture (FARM)	Jeetendra Kumar, SMS (Agril. Engg.)	23.4.2018	27.4.2018	BAU, Sabour
34	2018	Training on business module of paddy nursery	Sri Ajit Kumar Paswan, SMS (Agronomy)	26.4.2018	27.04.2018	VKSCOA, Dumraon
35	2018	Forecast application for risk management in agriculture (FARM) school training	Dr. Shobha Rani	7.3.2018	8.3.2018	RIMES Bankok, IMD N. Delhi & BAU, Sabour

36	2018	CAFT training	Dr. Wajid Hasan,	02.02.2018	22.02.2018	GBPUA&T, Pantnagar
37	2018	CAFT training	Er. Jeetendra Kumar	4.01. 2018	24.01.2018	BAU, Sabour
38	2019	Training programme on GeM portal	Dr. Wajid Hasan, SMS (Ento)	14.03.2019	14.03.2019	BAU, Sabour
39	2019	Winter School	Sri Ajit Kumar Paswan, SMS (Agronomy)	03.01.2019	23.01.2019	BAU, Sabour

17. Details of technology refined / generated during the period under review

a) Agriculture, b) Horticulture, c) Livestock,d) Poultry, e) Fishery, f) Any other

Technology	Relevance	Status of transfer
2011-12		
SRI- Method of paddy transplanting	Paddy transplanting	42%
Drudgery reduction of farm women in maize shelling	Drudgery reduction	Adopted by 40 % in maize growing area
2012-13		
Line sowing of wheat seed using seed drill	Broad casting of wheat and fertiliser leads to loss of inputs and hence lesser yield.	31%
Assessment of technology (croping system) developed by AICRP on IFS	Rice- wheat cropping system leads to lesser yield	Recommended and suggested to district level line department for wide spread demonstration
FIR+ Trichoderma into soil at the time of sowing (@1Kg +100 FYM) for wilt management in Lentil	Wilt incidence was 42%	36%
Desi cow urine(100ml) + Camphore (10g) for Sustainable control of external parasite in goats.	External parasite creates so many problem Skin all age groups of goats.	15%
Agrimin forte 30 gms. per day per cow for 60 days for supplementation of Phosphorus to reduce anestrous in dairy milch cattle.	Anestrous in milch cattle	45%
Grazing + Supplement feeding (Maize + Gramchuni + Ground nut cakes) @ 100gm per day per kid for 2 months from 10 months of age + Deworming	Poor body weight in desi Bengal goats (castrated male)	35%
Sowing of lentil by zero tillage	Higher cost of cultivation in lentil	15 % adoption, Recommended and suggested to district level line department for wide spread demonstration
2013-14		
Spray of Fipronil @50 gm a.i. /ha for management of Brownplant hopper (BPH) and Whitebacked plant hopper (WBPH) in rice	The affected field gives a burn appearance, known as 'hopper burn'. BPH is also a vector of grassy stunt virus.Infestation was 35%	41%
Spray of cow urine decoction (CUD) of neem @ 10% for eco friendly management of *Lipaphis erysimi* Kalt., a key pest of Rapeseed-Mustard	Infestation was 75%	42%
Wheat irrigation with 5 m width boarder	Consumption of more irrigation water and time in wheat.	72%
Use of Feed conc (2kg) + Urea treated dry fodder(6kg) (75%),+green fodder(2kg) ., (25%) for increased milk yield of local buffaloes.	Low palatability, deficiency of phosphorus in feed & fodder and intestinal Worm load	30%

Use of hormonal drugs as Feed conc (2kg) + green fodder(2kg) + Fenbendazole(1.5 g)+ Vitamin A (10 ml, I.M.)+ Receptal, (5ml) ,I.M. at time of A.I. /natural mating of repeat breeding cross bred cows	Early embryonic Mortalities & failure of fertilization	40%
Open Grazing + Kitchen waste material+ Barseem leaves + Fenbendazole, (150mg) for better growth and reproductive performance of Black Bengal & cross goats	low meat production	45%
Wheat straw + Hot Water treatment + Spawn as substrate for oyster Mushroom Production.	Diversification of substrate medium	25-30 % adoption
Feed conc. (300gm) + kitchen waste	Poor growth rate and egg production	25%.
2014-15		
One spray of azadirachtin @ 0.05% at 30 DAS followed by three spray of Thiamethoxam @ 0.005% at40 DAS, 55 DAS and 70 DAS for management of YVMV vector in okra	Infection rate may reaches upto 100% but in yield losses ranges between 50 and 94% depending on the stage of growth	38%
Chlorantranilprole 18.5% SC @ 25 gm a.i./ha for management of fruit and shoot borer, *Earias vitella* (Fab.) in bhendi	Fruit and shoot borer, *Earias vitella* (Fab.) is a major insect pest of okra , which cause 18-73% fruit infestation depending upon the season.	43%
Spinosad 45 SC @ 75 gm a.i./ha for management of pod borer (*Helicoverpaarmigera* Hub.) in chickpea	The pod borer (*Helicoverpaarmigera* Hub.) is a key pest of chickpea. It cause damage to crop up to 90%.	71%
Seed treatment with Imidacloprid 70 WG @0.5 gm/kg seed followed by spray of Imidacloprid 17.8 SL @400 ml/ha for management of aphids in wheat crop	Damage to 3% wheat production	24%
Summer moong var. Pusa Vishal & HUM-16 for higher grain yield	Low yield of Moong bean	28 % adoption, Recommended and suggested to district level line department for wide spread demonstration
spray of mixture of Pretillachlor (50EC @1.5 lt/ha) + Bispyribac sodium (@25 g ai/ha) or Pyrazosulfuron ethyl (@20 g ai/ha)+Bispyribac sodium (@25 g ai/ha)for weed control in Transplanted rice.	Low yield of paddy due to weed infestation	41%
Mixture of Sulfosulfuron +Metsulfuron methyle (30+2) can be used to control *Phlaris minor* and broad leaved weeds in wheat	Low yield of wheat due weed infestation	71%
Use of drum seeder for direct sowing of paddy saves sowing cost, irrigation	Non availability of seedling due to erratic & deficient rainfall.	36%, Recommended and suggested to district level line department for wide spread demonstration
Flat bed laying of plastic mulch for moisture conservation in Okra cultivation	Low productivity due to moisture stress.	Recommended and suggested to district level line department for wide spread demonstration, 20 % adoption in adopted villages
Feed conc .(2kg) + dry fodder(4kg)+green forage (Makhana/Cow Pea) (ad.lib) for increased milk production in cattle	Infertility and decrease milk production	40%
Use of feed conc. (300gm) + kitchen waste for increased body weight & Egg in Quail	Poor growth rate and egg production	10%
Cloprostenol, (500 µg) single or double injection at 11 days interval for estrus induction in anestrous buffaloes	Anestrous, increase calving interval and low milk production	35%.

Anoestrus cows Treated with $PGF_{2\alpha}$ (500g) + Receptal(5ml)+ Phosphorus(15ml)+AULPROFEM (225ml) Orally 6 hr before AI/NM for sexing of normal and infertile cattle	More born of Male calf's	30%
2015-16		
Seed treatment with tricyclazole 75 WP @ 2 g/kg seeds for management of false smut on paddy	Disease incidence was 75%	60%
Spray of Clothianidin 50 WDG @ 20 gm a.i./ha for management of Gandhi bug in paddy	Gandhi bug infestation was 55%	43%
Cultivation of paddy var. Sabour Ardhajal, Sahbhagi, Abhishek and Shusk Samrat under rainfed upland situation as drought tolerant varieties	Low yield due to less availability of water	Recommended and suggested to district level line department for wide spread demonstration, 20 % adoption
Cultivation of wheat cultivar HD2985 and Sabour Shrestha late sown condition	Low yield due to late sowing of wheat	Recommended and suggested to district level line department for wide spread demonstration
short durationfinger millet var. GPU45 and medium duration var. GPU67 for high production	Low yield of finger millet	Recommended and suggested to district level line department for wide spread demonstration
Applying 6 cm water for wheat irrigation	Applying excess water in wheat irrigation without any measurement causes its wastage which results less water productivity	39%
Prajana capsules (3 capsule daily for 10 day) + Uterotone bolus.(one bolus daily for 7 days) orally as herbal drug for increased milk ,occurrence of oestrus cycle and better conception rate in Anoestrus cattle	Infertility& low milk production	40%
Inophosh bolus (two bolus daily for 15 day) +Mineral mixture(Agrimin forte :40g daily for 15 days orally) for control of prolapse of uterus during pre and post parturition in Buffaloes and increased milk production	Prolapse of uterus , Uterine infection, infertility and low milk production	35%
2016-17		
Foliar application of potassium nitrate (KNO3)@ 0.5% at flag leaf emergence stage to to minimize the effect of terminal heat stress in wheat	Low yield as a result of terminal heat stress in wheat	22%
Pendimethalin 30 EC @ 3.3 L/ha followed by Imazathapyr 30 g a.i. /ha. to control cuscuta in lentil.	Low yield of lentil due to infestation of cuscuta	48%
Cultivation of chickpea var. BRC1 for timely sown condition	Low yield due to local variety and lack of improved timely sown variety of chickpea	Recommended and suggested to district level line department for wide spread demonstration
Thiodicarb @625 g/acre or Quinolphos @ 500 g/acre to minimise infestation of pink stem (*Sesamia inferenns*) borer borer in wheat	Infestation was 25%	30%
Management of red spider mite, (*Tetranychus urticae*) in Okra (bhindi)	Infestation was 45%	70%
Pashu Chocolates with composition of Wheat straw (6.33kg)+Maize(0.55kg)+ Cotton seed Cake (0.84kg)+Gram Chuni (1.11kg)+ Rice Bran (1.66kg)+ Sorghum fodder(3.3 kg) flowering stage + maize fodder (3kg)+Salt & Mineral mixture 1% of the concentration to dairy cattle for increased milk, fat production and	Infertility& low milk production	15%

conception rate		
Immunomodulation (E-Sel power) (5 ml /50 birds ,orally for 4th wks for increase body weight gain in broiler poultry chicks	Poor growth performance and low body wt gain	35% adoption, feeding concentrate - cum – immunomodulator for the increase body weight gain in broiler poultry farming.
Maintaining dry and wet condition in paddy field by applying irrigation using perforated plastic pipe indicator (when water level is 15 cm below soil surface)	Excess water requirement due to continuous ponding in paddy cultivation	Recommended and suggested to district level line department for wide spread demonstration
Use of poultry manure and vermi compost in nutritional gardening (spinach) for increasing the water holding capacity of soil and yield	for encouraging organic farming and less use of chemical fert/ to reduce health hazard	45 %
2017-18		
Use of 150Kg/ha N+60Kg/ha P2O5+40 Kg/ha to increase the P-use efficiency and yield simultaneously by taking advantage of its residual effect in rice-wheat cropping system	P is used in both crops under rice-wheat cropping system leads to increase in cost of cultivation.	43%
Cultivation of Sabour Ardhjal as drought tolerant varieties of paddy	Low yield due toless availability of water.	Recommendation and suggested to district level line department for wide spread demonstration
Use of Fipronil 5 SC @800 ml/ha (Ist spray at Panicle initiation stage and IInd at Flowering stage for management of Leaf folder (LF) *Cnaphalocrocismedinalis* (Guenee) in paddy	Leaf folder infestation was 24% in paddy	55%
Seed treatment with Azoxystrobin @1 ml/kg seed / Carbendazim@ 2g/kg seed to reduce charcoal rot in chickpea and lentil.	Charcoal rot incidence was 12%	41%
Use of Thiamethoxam 25 WG@25 gma.i./ha for ecological based management of mustard aphid, *Lipaphis erysimi* Kalt	Mustard aphid infestation was 55%	35%
Spray of Thiodicarb @625 g/acre or Dichlorvas@ 500 g/acre for management of pink stem (*Sesamiainferenns*) borer in wheat	Infestation was 25%	30%
Use of Garlic liquid(5 ml I/U route for 3 days) as herbal drugs in endometritis among cows	Infertility & low milk production	20%
Supplement ofSubabool pod @ 50gm/daily /kid for increased body wt. at growing age of goat kids	Poor growth performance and low body wt gain	35% adoption ,open Grazing along with feeding of Subabool pod seed & leaves for increased body wt. gain at growing age of kids.
Irrigation with 90 % cut off ratio in Wheat for water saving	Loss of water due to ponding in wheat irrigation	35%,Recommended and suggested to district level line department for wide spread demonstration
Line planting of lentil in zero tillage condition for reduced cost of sowing/planting	High cost of sowing, seed rate, weed condition and lower yield of lentil in broadcasting method	Recommended and suggested to district level line department for wide spread demonstration , 16 % adoption
100 % Malted Ragi flour to increase body wt., height & arm circumference of children	Poor health status of children	30-35 %
Picking of Okra with hand gloves & Ring cutter for drudgery reduction	Drudgery in bhindi picking	20-30 %
2018-19		

Herbicidal weed management in Paddy with Bispyribac Sodium	Effective weed management	It is widely adopted by 60 % farmers
Weed Control using the Wheat- Legume Intercropping with Wheat (2 rows) + Pea (2 rows)	Use of herbicide affects soil and human health and replacement by leguminous crop increases soil fertility	10 % adoption
Cultivation of BRR0643 (Sabour Harshit) as drought tolerant paddy	The rainfall pattern is changing and South Bihar is in deficit zone of rainfall. These all need drought tolerant variety for good and sure yield.	Recommendation and suggested to district level line department for wide spread demonstration
Cultivation of wheat variety HD 2967 for early sowing by Nov.01	Sowing of HD 2967 wheat variety by mid Nov. reduces yield due to change in temperature of environment.	Awareness among farmers is being created through training
Drain off water from field and spray of Carbendazim 50WP @ 2g/ltr of water for Management of stem rot disease in paddy	At the time of maturity affected plant lodged with yellowing and finally death of the plants.	Suggestion has been transferred to district plant protection department
Wilt disease management in chickpea using Trichoderma	Wilt disease incidence in district was 42%	21% adoption
Spray of Azdiractin 3000ppm @ 10 ml/ltr water at 50 & 65 DAS with Blue sticky trap @ 50/ha) for thrips management in Onion crop as an IPM technology in Jehanabad	*Trips tabaci* infestation was 35%	20%
Use of flat fan nozzle with bispyribake sodium spray @ 400 l/ha for weed management in paddy	Farmers uses very less volume of water with cone nozzle resulting weedicide not reaches to the target in proper amount	41%
Use of rotavator for seed bed preparation along with sowing of wheat by seed drill	Poor quality of seed bed using cultivator and sowing by broadcasting of seed. This practice takes more time, consumes more fuel and increases cost of cultivation	25%
Use of Immunomodulator for control of heat stress.	Poor growth performance and low body wt gain due to heat stress	Use of poultry feed with supplementation of herbal immunomodulator adoption 30%
Concentrate mixture + UMMB (urea molasses mineral block) @300g/day two time for 20 days along with mineral supplementation for normal heat and better conception rate in heifer	Malnutrition and Infertility	30% adoption for mineral mixture feeding are better for normal heat and better conception rate.
Use of wheat straw+ wheat bran @ 10% of dry weight of base material for oyster mushroom production	Low yield & less net return from cultivation of oyster mushroom	20-25%
Maize completely replaced by Finger millet and Probiotic @ 20gl/day for 200 birds orally as nutritional feed in backyard poultry	Minor millet as nutritional feed in backyard poultry where ragi is available	20-25%

18. DETAILS OF TRAINING PROGRAMMES CONDUCTED

I. Training programmes conducted for farmers/farm women (last 8 years)

S. N	Discipline	I			II			III			IV			V			VI			VII			VIII			TOTAL		
		(2011-12)			(2012-13)			(2013-14)			(2014-15)			(2015-16)			(2016-17)			(2017-18)			(2018-19)					
		T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P
1	Crop Production	18	20	438	10	10	489	15	24	1072	15	45	1762	15	17	721	15	19	653	15	31	1094	21	22	849	124	188	7078
2	Horticulture	40	41	850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	41	850
3	Livestock	11	11	230	12	12	396	10	14	500	12	36	1042	12	30	790	12	27	884	12	33	2026	12	31	885	93	194	6753
4	Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Home Science	16	18	406	7	7	180	10	27	678	10	0	0	10	27	1301	10	24	668	10	24	1080	11	35	1250	84	162	5563
6	Agril Engg	24	25	618	4	4	211	15	31	820	17	49	2093	17	32	1730	16	30	780	16	29	1743	16	41	1419	125	241	9414
7	Agroforestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Entomology	0	0	0	14	14	647	20	29	922	23	46	1837	23	32	1780	18	30	923	19	39	1567	19	37	1344	136	227	9020
	Total	109	115	2542	47	47	1923	70	125	3992	77	176	6734	77	138	6322	71	130	3908	72	156	7510	79	166	5747	602	1053	38678

T=Target; C=Conducted; P=Participants

II. Training programme conducted vs targets fixed (discipline-wise) for extension functionaries (last 8 years)

S. N	Discipline	I (2011-12)			II (2012-13)			III (2013-14)			IV (2014-15)			V (2015-16)			VI (2016-17)			VII (2017-18)			VIII (2018-19)			TOTAL		
		T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P
1.	Crop Production	9	5	72	0	0	0	8	0	0	8	2	63	8	3	227	4	3	241	4	2	116	4	0	0	45	15	719
2.	Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Livestock	0	0	0	7	7	39	4	1	300	4	6	77	7	2	53	7	1	55	7	3	87	7	2	167	43	22	778
4.	Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Home Science	6	4	70	0	0	0	3	1	49	3	2	60	5	1	100	4	2	123	4	2	156	4	3	241	29	15	799
6	Agril Engg	3	3	58	5	5	122	4	39	302	4	10	171	4	2	58	4	4	240	4	5	341	2	3	309	30	71	1601
7.	Agroforestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Entomology	0	0	0	2	2	63	4	29	153	4	10	171	4	2	193	4	6	128	4	2	180	4	4	402	26	55	1290
	Total	18	12	200	14	14	224	23	70	804	23	30	542	28	10	631	23	16	787	23	14	880	21	12	1119	173	178	5187

III. Training programmes conducted for rural youths (last 8 years)

S. N	Discipline	I (2011-12)			II (2012-13)			III (2013-14)			IV (2014-15)			V (2015-16)			VI (2016-17)			VII (2017-18)			VIII (2018-19)			TOTAL		
		T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P	T	C	P
1.	Crop Production	18	18	382	0	0	0	8	9	1849	8	13	306	8	8	320	4	3	137	4	7	151	5	2	80	55	60	3225
2.	Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Livestock	0			7	7	39	4	5	169	10	8	246	10	6	150	6	10	242	8	11	269	9	10	280	54	57	1395
4.	Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.	Home Science	7	8	214	0	0	0	7	15	2172	7	11	305	5	3	65	4	7	308	4	6	204	4	9	227	38	59	3495
6	Agril Engg	10	8	196	4	5	122	4	10	206	4	9	173	8	7	237	5	8	314	5	5	106	6	8	163	46	60	1517
7.	Agroforestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	Entomology	0			2	2	63	8	2	41	12	3	104	12	3	120	8	2	143	8	4	118	8	4	198	58	20	787
	Total	35	34	792	13	14	224	31	41	4437	41	44	1134	43	27	892	27	30	1144	29	33	848	32	33	948	251	256	10419

T=Target; C=Conducted; P=Participants

19. Frontline Demonstration Programme

Front-line demonstration in *rabi*season Condition: Rainfed/Irrigated

Year wise	Crops	No. of farmer	Area (ha)	Avg. yield (q/ha)	Local check			Improved Variety			Increase		Net loss (Rs.)	Effective gain (Rs.)
					Av. Yield	C (Rs.)	R (Rs.)	Variety	C (Rs.)	R (Rs.)	C (Rs.)	R (Rs.)		
I (2011-12)	**Wheat**	20	8.0	34.20	24.8	16000	29760	HD-2733	23000	41040	7000	11280		4280
	Potato	16	3.0	168	129	38200	103200	k. Ashoka	46400	134400	8200	31200		23000
	Gram	16	4.0	20.8	11.5	13000	43700	Pusa-256	20000	79040	7000	35340		28340
	Lentil	14	6.0	18.2	13.0	11000	45500	HUL-57	13100	63700	2100	18200		16100
II (2012-13)	**Wheat**	5	10	35.84	25.08	17500	31360	HD-2824	24000	44800	6,500	13,440		6,940
	Mustard	12	5	18.67	10.0	11800	30000	BIO-902	15200	56000	3,400	26,000		22,600
	Rapeseed	5	5	18.0	10.66	12500	32000	Pusa Bold	14300	54000	1,800	22,000		20,200
	Gram	7	5	22.5	11.84	13500	47400	Pusa-256	20500	90060	7,000	42,660		35,660
	Lentil	18	5	20.0	14.0	11200	56000	KLS-218	13500	80000	2,300	24,000		21,700
	Potato	8	5	170	129.5	39500	104000	K. Ashoka	48300	136500	8,800	32,500		23,700
III (2013-14)	Rapeseed & Mustard	8	2	11.3	8.4	12200	25200	Pusa Vijay	14500	33900	2,300	8,700		6,400
	Rapeseed & Mustard	6	1	11.75	8.4	12200	25200	Pusa Tarak	14500	35250	2,300	10,050		7,750
	Rapeseed & Mustard	2	0.5	12.0	8.4	12200	25200	Pusa Gold	14500	36000	2,300	10,800		8,500
	Lentil	5	1	12.50	8.75	13650	39375	Vaibhav + Rhizobium	14800	56250	1,150	16,875		15,725
	Lentil	1	5	13.0	8.75	13650	39375	Pusa Shivalik + Rhizobium	14800	58500	1,150	19,125		17,975
	Chickpea	7	0.44	17.60	15.24	21000	48763	PUSA-256 + Rhizobium	22000	56320	1,000	7,557		6,557
	Potato	12	0.45	210	165	51600	132000	Kufri Ashoka	63000	168000	11400	36000		47400
	Wheat	29	6.4	36.5	25.5	22512	35700	HD-2733	24399	51100	1887	15400		17287
	Wheat	3	0.75	29.5	25.5	22512	35700	HD-2985	24399	41300	1887	5600		7487
	Wheat	37	10.78	32.0	25.5	22512	35700	HW-2045	24399	44800	1887	9100		10987
IV (2014-15)	Wheat (DBW-14)	19	7.5	34.5	30.0	23300	43800	Late sown	25600	50370	2,300	6,570		4,270
	Rapeseed &	10	3.0	10.5	8.5	12900	26040	Pusa Vijay	15200	32550	2,300	6,510		4,210

	Mustard	10	6.0	11.2	8.5	12900	26040	Pusa Tarak+ PSB	15200	34720	2,300	8,680		6,380
		10	3.0	12.8	9.2	12900	28520	Pusa Gold+ PSB	15200	39680	2,300	11,160		8,860
		10	3.0	11.0	8.8	12900	27280	Pusa-28+ PSB	15200	34100	2,300	6,820		4,520
		61		14.5	12.0	15200	37200	Rajendra Sufalam+ Sulfur	17700	44950	2,500	7,750		5,250
	Linseed	6	1.5	17	13.4	16400	36180	Linseed	16900	45900	500	9,720		9,220
	Lentil	65	11	15.6	11.8	17300	53100	Seed+ Rhizobium	18200	70200	900	17,100		16,200
	Chickpea	10	1.5	19.50	17.0	21400	53975	Seed+ Rhizobium	22500	61912	1,100	7,937		6,837
	Maize (Shaktiman-5)	22	4.0	80	65.5	39000	85805	QPM + Azatobactor	47250	104800	8,250	18,995		10,745
V (2015-16)	Mustard	28	10	12.2	10.8	15450	45630	Seed+ PSB (R. Suflam)	15700	51240 (@Rs4200/qt)	250	5610		5,360
	Lentil	60	24	11.8	9.5	17000	64900 (@ 5500 Rs./qt.)	Seed + Rhizobium (HUL-57)	17000	64900 (@ 5500 Rs./qt.)	200	12650		12,450
	Chickpea	50	20	14.5	11.0	19500	55000	Seed + Rhizobium (GNG 1581)	19700	72500 (@ 5000 Rs./qt)	200	17500		17,300
	Fieldpea	50	20	13.8	11.4	18800	39900	Seed + Rhizobium (Prakash)	19000	48300(@ Rs.3500 /qt)	200	8400		8,200
	Raddish (Japani Safed)	46	3.1	190	145	35000	87000	High yielding variety	38000	114000	3000	27000		24,000
	Pea (Azad P1)	50	1.0	105.2	78.0	33000	93600	High yielding variety	35000	157800	2000	64200		62,200
	Brinjal (Swarn Syamli)	50	8.3	430	310	80000	217000	High yielding variety	85000	301000	5000	84000		79,000
	Wheat	32	13	32.5	31	27500	47275	HD 2967	27800	49563	300	2288		1,988
	Wheat	38	11	29.5	28	27500	42700	HD 2985	27800	44988	300	2288		1,988
VI (2016-17)	Wheat	34	5.44	39.8	37.5	30400	60937.5	HD 2985	30400	64675	0	3,738		3,738
	Mustard	75	30	13.1	11.6	16800	42920	Rajendra Sufalam	17300	48470	500	5550		5050
	Lentil	50	20	12.8	11.2	17300	44240	HUL57	18400	48190	1100	3950		2850

	Chickpea	50	20	16	12.4	19700	49600	JAKI9218	20900	64000	1200	14400		13200
	Fieldpea	50	20	15.5	13	19000	45500	HUDP15	20200	54250	1200	8750		7550
VII (2017-18)	Wheat	31	05	33	29.5	29400	50150	HI-1563	32000	56100	2600	5950		3,350
	Veg. pea	24	1.0	110.56	91.30	38,000	134950	Azad P-3	40,000	221120	2000	86170		84,170
	Mustard	50	20	14.00	11.5	17000	40250	Rajendra Sufalam	17400	49000	400	8750		8350
	Lentil	50	20	13.6	12.0	16500	48000	HUL57	18300	54400	1800	6400		4600
	Chickpea	50	20	15.05	13.5	18700	54000	PG 186	22300	60200	3600	6200		2600
	Fieldpea	25	10	15.7	14.0	17100	49000	Prakash	19500	54250	2400	5250		2850
VIII (2018-19)	Brinjal	15	0.187	312	258	58000	309600	Ankur 786	58250	374400	250	64800		64,550
	Chili	6	0.075	162	138	38600	234600	AnkurRenuka	41500	275400	2900	40800		37,900
	Cauliflower	5	0.063	121	116	44000	174000	Ealy Barkha	45000	181500	1000	7500		6,500
	Tomato	5	0.063	680	561	171150	476850	Mahikota	174250	586500	3100	109650		106,550
	Lentil	73	25	14.2	13.8	21900	61755	HUL 57	22000	63545	100	1790		1,690
	Chickpea	25	4.5	15.3	15.01	23800	69346	PG186	24000	70686	200	1340		1,140
	Mustard	50	20	15.0	13.5	21500	47250	RGN-48	22040	52500	540	5250		4710
	Lentil	116	40	16.0	13.2	23400	52800@4000/q	HUL 57	25380	64000	1980	11200		9220
	Chickpea	67	20	17.5	14.0	30200	56000@4000/q	PG 186	31200	70000	1000	14000		13000
	Moringa (Sahjan)	Dual season Moringa under Crop diversification	20	400 plants				Continue---Plant established at early stage						

Front-line demonstration in *kharif* season

Condition: Rainfed/Irrigated

Year wise	Crops	No. of farmer	Area (ha)	Avg. yield (q/ha)	Local check			Improved Variety			Increase		Net loss (Rs.)	Effective gain (Rs.)
					Av. Yield	C (Rs.)	R (Rs.)	Variety	C (Rs.)	R (Rs.)	C (Rs.)	R (Rs.)		
I (2011-12)	Paddy	16	6.4	42.0	27.50	19000	33000	R. Mahsuri	24100	50400	5100	17400		12300
II (2012-13)	Paddy	4	2	41.98	25.95	18000	34000	R. Sweta	22,500	55,000	4,500	21,000		16,500
		5	3	38.17	25.19	17500	33000	R. Kasturi	23,000	50,000	5,500	17,000		11,500
		7	5	40.07	24.05	16200	31500	Sahbhagi	21,000	52,500	4,800	21,000		16,200
		10	5.5	43.1	27.48	19500	36000	R. Mansoori	24500	56450	5,000	20,450		15,450
		20	10	41.47	34.43	22,000	43,038	Indoxacarb	23,000	54,338	1,000	11,300		10,300
	Pigeopea	20	10	11.5		10300	36800	Bahar	11400	44800	1,100	8,000		6,900
III (2013-14)	Red gram (Arhar)	10	2.5	11.80	8.20	12600	36900	NDA-1	13900	53100	1,300	16,200		14,900
		8	1.5	10.40	7.80	12600	35100	P-9	12875	46800	275	11,700		11,425
	Paddy	28	5	43	40	24500	52400	Pheromone Trap	25000	56330	500	3930		3,430
	Paddy	43	21	45	34	24500	44540	R. Suwasini	26000	58950	1500	14410		12,910
	Paddy	480	100	42.5	38	20800	49780	Sahbhagi	22400	55675	1600	5895		4,295
IV (2014-15)	Paddy (Sahbhagi)	71	25.2	36.5	34	26000	46240	Drought Tolerant	26500	49640	500	3,400		2,900
	Rajendra Mahsoori-1	55	22	44	40.5	27000	55080	Suitability of variety to this Region	27800	59840	800	4,760		3,960
	Sabour Ardhjal	3	1.2	37	33	26000	44880	Drought Tolerant	26800	50320	800	5,440		4,640
	Paddy	10	5	41.3	38.5	26000	52360	Imidacloprid@90 g a.i./ha for bph&wbph	26500	56168	500	3,808		3,308
	Red gram	10	2.5	14.5	10.5	15900	46200	suitability of var. to this region	17300	63800	1,400	17,600		16,200
	Red Gram	20	4	13.10	10.0	16600	44000	Seed+ Rhizobium culture	18500	57640	1,900	13,640		11,740
V (2015-16)	Paddy	07	03	38	35.5	28500	50055	Rajendra Sweta	28500	53580	0	3525		3,525
VI (2016-17)	Paddy	25	10	56.1	54.2	40,000	79,674	Phenomone Trap	40,500	82,467	500	2,793		2,293
	Paddy	30	11.25	55.8	54.0	40,000	79,380	Thiyamethoxam	41,000	82,026	1000	2,646		1,646
VII (2017-18)	Paddy	25	10	40.24	37.0	28500	50055	Sahbhagi	30200	62372	1700	12317		10,617
VIII (2018-19)	Paddy (Sahbhagi)	40	20	39.60	37.50	33250	65625	Sahbhagi	33250	69300				

(Pl add row if required) *

Front-line demonstration in *Summer*season

Condition: Rainfed/Irrigated

Year wise	Crops	No. of farmer	Area (ha)	Avg. yield (q/ha)	Local check			Improved Variety			Increase		Net loss (Rs.)	Effective gain (Rs.)
					Av. Yield	C (Rs.)	R (Rs.)	Variety	C (Rs.)	R (Rs.)	C (Rs.)	R (Rs.)		
I (2011-12)	**1**													
II (2012-13)														
III (2013-14)	Elephant footyam	122	0.15	380	325	98000	227500	Gajendra-1	106000	266000	8000	38500		30500
IV (2014-15)														
V (2015-16)														
VI (2016-17)	Cowpea	46	0.88	98.5	78.3	26,500	1,40,940	Kashi kanchan	27,000	2,16,700	500	75,760		75,260
VII (2017-18)	Turmeric	33	0.3	245	188	98500	291400	Rajendra Soniya	124000	380800	25500	89400		63900
VIII (2018-19)														

(Pl add row if required) *

Front-line demonstration on Enterprise in *year round*

Year wise	Animal/ bird	Breed	No. of Raisers	Total no of animals/ birds	Avg. Prodn.	Local check			Improved breed / tech.		Increase		Net loss (Rs.)	Effct. Gain (Rs)
						Av. Prod.	C	R	C	R	C	R		
I (2011-12)														
II (2012-13)	Control of PPR in Goats	Goat	100	300	Mortality Rate	60-70% control of goat mortality	6950	8640	16950	25200	10000	16560		6560
	Pigs	T&D Pig	2	2	65 kg /pig (growth at one yr age)	35 kg /pig (growth at one yr age)	5760	20400	19600	126720	13840	106320		92480
	Poultry	Grampriya and Vanraja	60	1200	Body wt. & egg production	Body wt. & egg production	14800	48600	188400	1139400	173600	1090800		917200
III (2013-14)	Poultry (Vanaraja& Grampriya Chicks)	To control of Ranikhet disease	56	560	30% Mortality	80% Mortality	3000	5400	19600	105840	16600	100440		83840
		Layers birds for egg production	60	1200	3.5 Kg/bird (growth at 6th months of age)	2.5 Kg/bird (growth at 6th months of age)	14800	48600	188400	1139400	173600	1090800		917200

	Piggery (T&D)	To control of endoparasites	61	780	25kg/pig at 10 month of age & 20% Mortality	24kg/pig at 10 month of age& 25% Mortality	1332000	1731600	1335330	1924000	3330	192400		189070
		Upgrading	4	8	65kg /pig (growth at one yr age)	35kg /pig (growth at one yr age)	5760	20400	19600	126720	13840	106320		92480
	Goat	Upgrading	2	4	35 Kg (growth at one yr age)	12kg (growth at one yr age)	6950	8640	16950	25200	10000	16560		6560
	Duckery	Layers birds for egg production	7	42	3Kg/duck (growth at 6th months age)	-	-	-	13620	78300				64680
IV (2014 -15	Dairy	Cow pea fodder grass for increase milk production	10	10	12.32 liter	10.76 liter	30105	80700	30505	92400	400	11700		11300
	Cow	Supplement of mineral mixture (Agrinin Forte @40-50g day) for control of infertility	203	300	12.13 liter/ day/cow	10.100 liter/ day/cow	30200	75750	30337	90975	137	15225		15088
	Poultry	Layers birds distribution for chicken/ egg production	60	1200	3.5 Kg/bird (growth at 6th months of age)	2.0 Kg/bird (growth at 6th months of age)	14800	21600	188400	491400	173600	469800		296200
V (2015-16)	Dairy	a. Sorghum fodder grass production for milk production	20	40	Avg. yield 425 q/ha	10.76	48500	80700	52100	92400	3600	11700		8100
		b. Maize	7	14		9.2	48500	69000	53900	78750	5400	9750		4350
		c. Jai	18	36	Avg. yield 548 q/ha	9.62	48500	72150	53900	84000	5400	11850		6450
		d. Berseem	4	8	Avg. yield 610 q/ha	9.2	48500	69000	53900	81000	5400	12000		6600
		e . H. Napier	25	50	Avg. yield 220 q/ha	8.9	48500	66750	50300	70500	1800	3750		1950
	Poultry	Vanraja& Grampriya Poultry farming for dual purpose (meat & Egg production)	68	680	3.6 kg/bird (1 yr of age)	1.5	14800	21600	188400	491400	173600	469800		296200
	Sheep and goat	Control of PPR in goats	98	150	70% mortality	-	6950	8640	16950	25200	10000	16560		6560
VI	Dairy	Fodder	14	30	10.6 kg	9.1	18300	50200	17100	56300	-1200	6100		7300

(2016-17)		management												
		Fodder management (NIFTD)	42	42	11.72	10.12	48500	72150	53900	84000	5400	11850		6450
			7	7	13.7	12.10	48500	69000	53900	81000	5400	12000		6600
			25	430	12.4	10.8	48500	66750	50300	70500	1800	3750		1950
	Poultry	Poultry management	68	750	3.5 kg/bird	1.5	113160	428560	48600	33800	-64560	-394760		-330200
VII (2017-18)	Cow	Milk Production	48	48	11.7	10.1	48500	72150	53900	84000	5400	11850		6450
		Berseem	43	43	600 q/ha	10.1	48500	69000	53900	81000	5400	12000		6600
	Poultry	Jharsim chicks, Poultry farming for dual purpose (meat & Egg production)	32	32	3.5 kg/birds	1.6	14800	48600	113160	428560	98360	379960		281600
VIII (2018-19)	Azolla	Azolla grass	13	-	9.4	8.9	48500	66750	50300	70500	1800	3750		1950
	Goatry	Goat farming	6	-	12kg Avg body wt one yr	12kg Avg body wt one yr(33%motility)	4200	8400	4200	12600	0	4200		4200
	Poultry Jharshim	Backyard poultry farming	32	-	3.5 Kg/bird (growth at 8th months of age)	2.5 Kg/bird (growth at 8th months of age)	14800	48600	113160	428560	98360	379960		281600
	Immunomodulator & probiotic for Poultry	Poultry feed supplement	5	1000 poultry	Average body wt.1.45kg/bird at 35 days ,3% motility	Average body wt.1.38kg/bird at 35 days ,5% motility	17100	42476.4	17100	45570..6	0	3094.2		3094.2
	Silage bags (60×60×65cm)	Stall feeding after urea treatment of fodder	30	120 animals	11.56	7.78	8414	7002	8414	10404	0	3402		3402
	Feed block	Feeding management	11	-	10.78 (Conception rate 80%)	10 (Conception rate 50%)	8400	9576	8550	10242	150	666		516

(Pl add row if required)

Other enterprises

	Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
2012-13	Mushroom	Mushroom	10	10 unit	8 bag/kg sawn			8 bag/kg sawn		220	390	170	1.77				
2013-14	Oyster mushroom	Enterprise development	34	34	10bag/kg sawn			10bag/kg sawn		226	400	174	1.8	-	-	-	-
	Farm Women	Smokeless Chulha	10	Drudgery reduction n term of Physical hazard caused by smoke and collection of fuel wood.	-	-		-		1200	• qualitative return in terms of reduction in health hazard of rural women and increse in cooking eff., time saving	-	-				
2014-15	Oyster mushroom	Enterprise development	12	12	10bag/kg sawn			10bag/kg sawn		235	400	165	1.7	-	-	-	-
2016-17	Oyster mushroom	Enterprise development	23	23	12bag/kg sawn			12bag/kg sawn		235	412	177	1.75	-	-	-	-
2018-19	Oyster mushroom	Enterprise development	15	15	12bag/kg spawn	-	-	12bag/kg spawn	-	245	455	210	1.86	-	-	-	-

Farm implements and machinery

Year	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			
2012-13	ZT Wheat	PBW-373	Sowing wheat by zero tillage	20	5.0	38.02	32.1	18.4	3	1600
	Improved scikle	Wheat	Wheat Harvesting by improved scikle	25	5	38.02	32.1	18.4	6	576
2013-14	Zero till seed cum fertilizer drill.	Wheat PBW-373	Sowing by zero tillage	23	9.2	37.4	33.6	11.31	3	1700
2014-15	Zero till seed cum fertilizer drill.	Wheat PBW-373	Sowing by zero tillage	10	5.0	32.3	28.5	13.33	3	1800
	M.B. Plough	Paddy Var. Sahbhagi	Weed control	5	5	42.3	40.4	4.7	3	950
2015-16	Zero Till Drill	Wheat	Wheat sowing by Zero tillage technology	11	6	34.2	31.5	7.9	3	2200
2016-17	Zero Tillage Machine	DSR Paddy (Var.R. Sweta)	Direct sowing of Paddy	15	10	35.6	32.2	10.6	31	10400
	Zero Till Drill	Wheat (HD 2985)	Wheat sowing by Zero tillage technology	14	6	40.3	39.8	1.25	3	2010
	Sprinkler	Kitchen garden(Spinach)	Irrigation using sprinkler set	12	0.3	120.0	108.0	11.1	-	2300
2017-18	DSR	DSR Paddy (Var.R. Sweta)	Direct sowing of Paddy	12	4.7	41.0	40.10	2.5	32	9400
	ZT	Wheat (HD 2985)	Wheat sowing by Zero tillage technology	14	5.0	37.2	34.1	9.1	4	3050
	Sprinkler	Kitchen garden(Spinach)	Irrigation using mini sprinkler set	12	0.3	121.0	108.5	11.5	-	2400
2018-19	Zero Till seed cum Fert. Drill.	Wheat var. HD 2967	Wheat sowing by Zero Tillage Technology	13	5.0	41.8	36.5	14.5	4	4600
	Seed Drill	Lentil var. HUL 57	Line sowing of lentil	8	3.2	16.4	14.5	13.10	4	3800

(Pl add row if required)

20. Critical input supplied during the period under review:

a) Agri-inputs

Inputs	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
i) Seed - Crop-wise & \ variety-wise		Paddy (R. Sweta, R. kasturi, Sahbhagi)- 2.0q Wheat (HD 2824)- 4.0q Mustard (BIO-902)- 25kg Rapeseed (Pusa Bold)- 0.25q Gram (Pusa 256)- 4.0q Lentil (KLS-218)- 2.0q Pigeonpea (Bahar)- 1.80q	Paddy (R. Sweta)- 4.3q Redgram (NDA-1)- 0.50q Brinjal (PH-6)- 5.25q Red gram (P9)- 0.60 q Lentil(Vaibhav, Shivalik)- 0.70q Chickpea (Pusa 256)- 0.35 q Rapeseed & Mustard(Pisa Vijay, Pusa gold, Pusa tarak)- 0.20q Wheat (HD-2733, 2985, HW-2045)-17.93 q	Summer Moong(HUM-16,Pusa Vishal, Samrat, Pusa 9531)- 4.8 q Paddy (S. Ardhjal)- 0.3q Red gram (NDA-1, Pusa-9)- 1.5q Maize (Shaktiman-5)- 0.50q Rapeseed & mustard: Pusa gold- 0.13 q Pusa 28- 0.13q Pusa vijay- 0.13 q Pusa tarak- 0.13 q R. suflam- 0.20q Lentil- 2.44q Linseed- 0.3 q Wheat (DBW-14)- 1.80q	Radish seed- 0.306 qtl Veg pea seed- 1/0 qtl Veg. cowpea seed- 0.05 qtl Paddy (R. Sweta)- 60kg Redgram (Malviya-13)- 0.05q Wheat (HD-2967, 2985)- 23.60q Lentil (HUL-57)- 9.6 q Fieldpea (Prakash)- 16.0q Chickpea- 16.0q Mustard (R Suflam)-0.5q Green gram (K-851)- 3q Sesame (RT-351)- 0.50q	Paddy (r. Sweta, Sahbhagi)- 5.00 q, Wheat (HD 2985, Hi1563)- 11.8q, Veg. cowpea seed- 0.59 qtl Turmeric (R. Soniya)- 6.0 q Green gram (PDM-139)- 100kg Lentil (HUl-57)-8.0q Chickpea- 16.0q Field pea-16.0q Mustard (R. suflam)- 1.5q Green Gram (IPM-2-3)- 2.5q Sesame (HT-1)- 0.50q	Paddy (R. Sweta)- 1.41 q, Wheat (HI 1563)- 5.0 q Veg pea seed- 1.0 qtl Lentil (HUL-57)- 8.0q Field pea (Prakash)- 8.0q Chickpea (PG-186)- 16.0q Mustard (R. Suflam)- 1.0q	Wheat (HD 2967)- 2.5 q Paddy (Sahbhagi, R. Sweta)-5.4q Lentil- 16 q Chickpea (PG 186)- 16q Mustard (RGN-48)-1.0q Green gram (Samrat)- 2.5q	Paddy-19.01 q Wheat-66.63 Lentil-46.74 Chickpea-64.35q Fieldpea-40 q Rapeseed & Mustard-4.17q Gram- 4.0q Pigeonpea-1.8q Redgram-2.05 Brinjal-5.25 Green gram-10.3 q Maize-0.5q Linseed-03.q Radish- 0.306q Veg pea-2 q Veg cowpea-1.64q Turmeric-6.0q Sesame-1.0q
ii) Biofertiliser		Rhizobium- 0.0.64 q	Rhizobium- 0.03375 Vermicompost- 10.00q	Rhizobium- 9 kg Azotobactor- 2.50kg PSB- 5 kg	Rhizobium- 0.892 kg	Rhizobium- 0.80q	Rhizobium- 0.64q Vermicompost 15.0 q	Rhizobium- 0.64q	
iii) Any other		Indoxacarb- 4500 ml	Pendimethalene- 75 L Pheromone Trap- 200	Imidacloropid- 1000 ml	Pendimethalin- 30 L Sulphur- 2.0 q	Pendimethalin- 25 l Pheromone Trap- 200 Carbendazim- 0.08 q Trycychlozole 70 WG- 500 gm, Thiamethoxam-1.5 kg Emidachloprid 70 WG- 50 packet Bispyribake sodium 10 SC- 2.5 litre Mini sprinkler- 12 piece Chhloriperiphos- 40L Sulphur- 2.0q	Pendimethalin- 38litre PSB- 0.32q Carbendazim- 0.04q Krishak sandesh- 120 piece Thiomethoxam- 0.0267q Sulphur- 4.0q PSB- 0.05q	Pendimethalin- 120 litre Carbendazim- 0.08q Thiiomethoxam- 0.0267 q Waste decomposer- 100 bottle Azoxystrobin- 2.50 L PSB- 0.64q Krishak sandesh- 120 piece	

b) Horti-inputs

Inputs	**I (2011-12)**	**II (2012-13)**	**III (2013-14)**	**IV (2014-15)**	**V (2015-16)**	**VI (2016-17)**	**VII (2017-18)**	**VIII (2018-19)**	**Total**
i) Seed									
ii) Saplings				Mango (Amrapalli)					
iii) Root / tubers		Potato (K. Ashoka)- 0.90 q Marigold Pusa narangi- 0.103 q	Potato(2013-14) (Kufri pokhraj, Kufri jyoti & Kufri ashoka)- 77.75	Potato(2013-14) (Kufri pokhraj)- 35.15				Moringa(PKM-1)- 400 plant	Potato- 113.8q Marigold- 0.103q
iv) Vegetable sapling						Brinjal (Pusa-6)- 0.13750 Lakh sapling		Brinjal (Anken 786)- 0.042 Chilli(An	0.27375 Lakh

								ken renuka)- 0.021 Caulfiflower (Early bankha)- 0.026 Tomato(Mahi kota)- 0.04725	

c) Livestock/ Poultry/ Fishery -inputs

Inputs	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
Type-wise		Ranikhet vaccine- 560 dose, Dewormer- 780 bolus, T&D pig- 8 piglets, Goat (Sirohi)- 4 kids, Khakhi Cambel- 42 duck Batter- 50 quail Vanraja & Gram priya- 1200 chicks	Maize africal tall- 55 kg, Cow pea- 2.4 kg, Bajara- 2 kg, Stylo- 2 kg, Dinanath grass- 1.2 kg, Gurien grass- 1.8 kg, H. napier- 340 roots, Subabool- 0.8 kg, Sorghum- 30 kg, Coix- 2 kg, Berseem- 7.5 kg, Jai- 60 kg	Cow pea- 10kg, Mineral mixture- 300 kg, Vanraja & Gram priya- 1200 chicks Ranikhet vaccine- 1200 dose	Sorghum- 70 kg, Maize- 9 kg, Jai- 70 kg, Berseem- 10 kg, H-Napier- 430 roots, Vanraja & Gram priya- 750 chicks, PPR vaccination for goat- 323 dose,	Sorghum- 30 kg, H-Napier- 450 roots, Vanraja & Gram priya- 1100 chicks	Jai- 48 kg, Berseem- 43 kg, Jharshim chick- 320 chick	Feed block- 500 farmer, Azolla- 15 kg, Silage bag- 30 bags, Jharshim chick- 320, Immunomidulator- 5 litre, Black bengal goats- 6 goats	H. napier-770 roots Ranikhet vaccine dose- 1760 dose Dewormer- 2780 bolus Piglets-8 Goats-10 Vanraja & grampriya chicks- 3500 Jharsim chicks- 640 Ducks-42 Batter (Quail)- 50 PPR vaccine for goat-323 dose Mineral mixture- 30kg Immunomodulator- 5 litre Feedblock- 500 Azolla- 15 kg Silage bag- 30 Sorghum- seed- 67.5 kg Maize seed- 64kg Jai seed- 380kg Cow pea- 12.4kg Bajara- 2kg Stylo- 2kg Dinanath grass- 1.2kg Gunia grass- 1.8kg Subabool- 0.8kg Coix- 2kg

21. Soil Testing and Soil Health Cards Issued

Inputs	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
Soil Samples tested	-	-	-	-	655	387	458	243	1743
Soil Health Card issued	-	-	-	-	655	387	458	243	1743
No of Farmers benefitted	-	-	-	-	655	387	458	243	1743

22. Entrepreneur development during the period of QRT:

a) Area/Field: Agriculture and allied
b) Target group:Youths
c) Impact: Details as below

1. Entrepreneurship development	
Name of the enterprise	Dairy enterprizes
Name & complete address of the entrepreneur	Sri Om Prakash, S/O lakheshwar Prasad, Vill- Pirogha, Block- Modanganj, Jehanabad, Mb. No.- 9504109202
Role of KVK with quantitative data support:	Technical support through training and practical, exposure visit, field visit and diagonostic visit at farmer field
Timeline of the entrepreneurship development	He has started from 2015 to till date
Technical Components of the Enterprise	Head to head animal head, dairy cow, fodder grass
Status of entrepreneur before and after the enterprise	Before: 1 cow After- 15 cow
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Presently his dairy farm, milk production 60-100 litres/ day and selling at COMFED, Jehanabad. He is also preparation of milk by product like ghee, paneer, peda.
Horizontal spread of enterprise	His technology has been influeced by the nearby farmers

2. Entrepreneurship development	
Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	md. Julfikar Ansari, Vill- Fauladpur, Block- Ratni, Jehanabad, Mb. No.- 7479922417
Role of KVK with quantitative data support:	Technical support through training and practical, exposure visit, field visit and diagonostic visit at farmer field
Timeline of the entrepreneurship development	Started from 2017
Technical Components of the Enterprise	Goats (vr. Sirohi, Black Benagal and Jamuna pari)
Status of entrepreneur before and after the enterprise	Before: 10 After: 55
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Gradually, seeing the success and getting income, he became very much motivated to introduce goat rearing through black bengal and Sirohi breed braught from CIRG, Makdum, U.P. He followed all the vaccination schedule for keeping the goats healthy. he observed that there was increase in milk productivity and gain in body weight of goats. As there was an increase in milk yield economics by 40%, and improvement in body weight to the tune of 12 to 20 kg (66% increase),Sirohi crossed with black bengal goat gave increased body weight of 25-30 kg. & additional income Rs. 5000 per goat. At present he has increased the number of goats up to 55 in his goat farm.
Horizontal spread of enterprise	His technology has been influeced by the nearby farmers

3. Entrepreneurship development :	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Mr. Abhay Sharma, Village- Mananpur, Block- Modanganj, Distt.- Jehanabad
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since September 2016 with 10 bee box. He extracted 150 kg honey in a short duration of 8 months.
Time line of the entrepreneurship development	Since 1 year he is doing Beekeeping
Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.20000/year before starting beekeeping now his annual net income is Rs.40000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. a. Sufficient flower fauna available in the locality during 8 months in a year. b. Related work done by his family members. c. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

4. Entrepreneurship development :	
Name of the enterprise	Dairy –cum- vermicompost cum-Rice meal
Name & complete address of the entrepreneur	Braj Kishore SharmaS/o Vijay Sharma, Vill- Rampur Charui, Block- Modanganj, Distt.- Jehanabad, Mb. No. 9931459486
Intervention of KVK with quantitative data support:	KVK, Jehanabad, Training of Dairy farming , back yard layer poultry farming
Time line of the entrepreneurship development	10 years
Technical Components of the Enterprise	Head to head and tail to tail system dairy farming
Status of entrepreneur before and after the enterprise	His annual income was Rs. 744,100/ year before starting crop and fish farming, now his annual net income is Rs. 2,744,100/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	• Sufficient locally available feed for cattle • Related work done by his family members • Milk easily sale in COMFED dairy & local near town of Jehanabad • vermicompost, Gobargas plant and • Automatic rice mill
Horizontal spread of enterprise	

5. Entrepreneurship development	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Mr. Vinay Kumar sharma, Village- Mananpur, Block- Modanganj, Distt.- Jehanabad
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since October 2015 with 20 bee box. He extracted 350 kg honey in a short duration of 7 months.
Time line of the entrepreneurship development	Since 2 year he is doing Beekeeping

Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.40000/year before starting beekeeping now his annual net income is Rs.70000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. d. Sufficient flower fauna available in the locality during 8 months in a year. e. Related work done by his family members. f. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

6. Entrepreneurship development	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Mr. Dinesh sharma, Village- Amarpura, Block- Kako, Distt.- Jehanabad
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since September 2015 with 10 bee box. He extracted 250 kg honey in a short duration of 8 months.
Time line of the entrepreneurship development	Since 1 year he is doing Beekeeping
Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.35000/year before starting beekeeping now his annual net income is Rs.60000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. g. Sufficient flower fauna available in the locality during 8 months in a year. h. Related work done by his family members. i. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

7. Entrepreneurship development: Animal Sc.	
Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	Brajesh Ranjan, S/o Late Lalan Sharma, Village: Shekhpura, Block: Modanganj, Mb. No. 9006040730
Intervention of KVK with quantitative data support:	KVK, Jehanabad, Training of recent technology for goat farming
Time line of the entrepreneurship development	1.5 years
Technical Components of the Enterprise	Stall feeding and open grazing also
Status of entrepreneur before and after the enterprise	His annual income was Rs. 40000/ year before starting goat farming, now his annual net income is Rs. 115000
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	• Sufficient green fodder grass available in the locality • Related work done by his co-operative society • Goats easily sale in local and near towna
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers

8. Entrepreneurship development: Animal Sc.	
Name of the enterprise	Poultry farming
Name & complete address of the entrepreneur	Sri Santosh Kumar, S/o Arbind Pd., Deokolimath, Makhdumpur, Mb. No. 9162954690
Intervention of KVK with quantitative data support:	KVK, Jehanabad, Training of poultry farming i.e back yard layer farming also
Time line of the entrepreneurship development	1.8 years
Technical Components of the Enterprise	Back yard layer farming
Status of entrepreneur before and after the enterprise	His annual income was Rs. 12000/ year before starting goat farming, now his annual net income is Rs. 25000
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	• Sufficient locally available feed for poutry • Related work done by his family members • Poultry easily sale in local and near town of Jehanabad
Horizontal spread of enterprise	

9. Entrepreneurship development	
Name of the enterprise	Mushroom production
Name & complete address of the entrepreneur	Sri Shankar Singh, S/O- Late Sri Govind Singh, Vill-Gandhar, P.O- Bandhuganj, PS-Ghoshi, Dist.-Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started Mushroom production (Oyester mushroom) since Sept. 2014 with 10x10 ft size room. He harvested 400 kg mushroom in a short duration of 8 months.
Time line of the entrepreneurship development	Since 1 year he is doing Mushroom production
Technical Components of the Enterprise	Paddy or Wheat straw, Room, Sprayer, Straw cutter, Seed
Status of entrepreneur before and after the enterprise	His annual Income was Rs.50000/year before starting Mushroom production Now his annual net income is Rs.100000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. j. Sufficient paddy/wheat straw available in the locality. k. Related work done by his family members. l. Mushroom easily sale in local and near by Patna market.
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers & is acting as master trainer.

10. Entrepreneurship development	
Name of the enterprise	Mushroom production
Name & complete address of the entrepreneur	Rishikesh Sharma, Vill-Gandhar, P.O- Bandhuganj, PS-Ghoshi, Dist.-Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & start Mushroom production (Oyester mushroom) from Sept. 2014 with three rooms of size 10x10 ft. He harvested 600 kg mushroom in a short duration of 1.5years.
Time line of the entrepreneurship development	Since 1.5 years he is doing Mushroom production

Technical Components of the Enterprise	Paddy or Wheat straw, Room, Sprayer, Straw cutter, Seed
Status of entrepreneur before and after the enterprise	His annual Income was Rs.100000/year before starting Mushroom production Now his annual net income is Rs.160000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. a. Sufficient paddy/wheat straw available in the locality. b. Related work done by his family members. c. Mushroom easily sale in local and near by Patna market.
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

11. Entrepreneurship development	
Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	Sri Gopal Sharma . S/o- Late Bindeswar Sharma, Vill- Seshamba , P.O-Sakurabad, P.S- Sakurabad, Dist- Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK, Jehanabad and started goat farming with 50 goats. On a average 40 kids produced in a one year. At presently 150 goats in farm.
Time line of the entrepreneurship development	Since 1.5 Year, he is doing goat farming.
Technical Components of the Enterprise	Goat house, Wt. machine, Water, feeder & some vaccine for preventive measures.
Status of entrepreneur before and after the enterprise	His annual income was Rs. 10,000 before starting goat farming, now he is getting Rs.50,000/year.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Self employment. Related work done by his family members. Goats easily sale in local markets.
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

12. Entrepreneurship development	
Name of the enterprise	Poultry farming.
Name & complete address of the entrepreneur	Sri Manoj Kumar. S/o- Laleshwar Sharma, Vill- Dhongra, P.O-Dhingra, P.S- Hulasganj, Dist- Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK, Jehanabad and started Back yard poultry. He produced 8000/month Boiler birds in a short duration of 2 Year.
Time line of the entrepreneurship development	Since 2.0 Years he is doing Poultry farming.
Technical Components of the Enterprise	Back yard poultry house, water pipes and feeders and poultry van for marketing.
Status of entrepreneur before and after the enterprise	His annual income was Rs. 50,000 before starting Poultry farming, now he is getting Rs.6,50,000/year.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Sufficient demand of poultry meat in local area. Related work done by his family members. Easily Marketing by whole sale marketing.

Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

13. Entrepreneurship development	
Name of the enterprise	Bee Keeping
Name & complete address of the entrepreneur	Sri Shankar Singh, S/O- Late Sri Govind Singh, Vill- Gandhar, P.O- Bandhuganj, PS-Ghoshi, Dist.-Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & start Bee Keeping from oct.2012 with 22 box. He harvested 370 kg honey in a short duration of 7 months.
Time line of the entrepreneurship development	Since 1.5 year he is doing Appiculture.
Technical Components of the Enterprise	Bee box, Queen cage, Honey extracting machine, Bee frames.
Status of entrepreneur before and after the enterprise	His annual Income was Rs.30000/year before starting Bee keeping. Now his annual net income is Rs.120000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	a. Working condition. b. Sufficient flowering available in the locality. c. Related work done by his family members. d. Honey easily sale in local market.
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

14. Entrepreneurship development	
Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	Sri Ranjit Kumar. S/o- Jaglal Ram, Vill- Gandhar, P.O- Bandhuganj, P.S- Ghoshi, Dist- Jehanabad.
Intervention of KVK with quantitative data support:	He got training from KVK, Jehanabad and started goat farming with 50 goats. On a average 40 kids produced in a one year.
Time line of the entrepreneurship development	Since 1.5 Year, he is doing goat farming.
Technical Components of the Enterprise	Goat house, Wt. machine, Water, feeder & some vaccine for preventive measures.
Status of entrepreneur before and after the enterprise	His annual income was Rs. 10,000 before starting goat farming, now he is getting Rs.45,000/year.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Self employment. Related work done by his family members. Goats easily sale in local markets.
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

23. Capacity building of KVK Staff / Trainers:

a. Number of staff trained:09
b. Area of training: Agriculture and allied
c. Utilization of updated knowledge: Dissiminated in various training to Extension Functionaries, rural youths, farmer and farm women
d. Number of Workshops / Seminars attended: 55

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Kharif Mahotsava	Statelevel Kharif Mahotsava	Dr. Shobha Rani, Programme co-ordinator	15-05-12 / One Day	BVC, Patna
2.	Kharif Mahotsava	State level Kharif Mahotsava	Er. Jeetendra Kumar	15-05-12 / One Day	BVC, Patna
3.	Summer School	Engineering Interventions in conservation Agriculture for enhancing Agricultral productivity and climate change Mitigation	Er. Jeetendra Kumar	22-06-12 to 12-07-12 / 21 days	CIAE Bhopal
4.	Training	Training Programme on V-KVK & KVK net	Dr. Dinesh Mahto	18-12-2012 / one day	B.A.U., Sabour
5.	Training cum workshop	Training cum workshop on Farm Mechanization	Er. Jeetendra Kumar	21-22, Dec. 2012 / 02 Days	ZPD0II, Kolkata.
6.	Orientation cum Training	Orientation cum Training Programme for Newely recruited P.C	Dr. Shobha Rani, Programme co-ordinator	22-26th July 2012 / 5 Days	B.A.U., Sabour
7.	Orientation cum Training	Orientation cum Training Programme for Newely recruited SMS,s	Dr. Wajid Hasan Dr. Dinesh Mahto Mr. Ajit Kr. Paswan	22-28th July 2012 / 7 Days	B.A.U., Sabour
8	Mobile Seminar	Mobile Seminar on flower production	Mr. Ajit Kr. Paswan	12-01-13 /01 Day	B.A.U., Sabour
9	Training	Training for Farm Manager	Mr.Mritunjay Kumar	6-8th Feb. 2013 / 3 days	BAU, Sabour DEE, BAU, Sabour Bhagalpur
10	Training	Training on Managerial skill for KVK Scientist	Dr. Wajid Hasan	6-8th Feb. 2013 /3 days	ARI, Patna
11	Training	Training on agriculture marketing	Dr. Shobha Rani, Programme co-ordinator	28-01-2014 to 29-01-2014 (2 days)	NIAM, Jaipur
12	Training	Training on agriculture marketing	Dr. Dinesh Mahto, SMS (Animal Sc.)	30-01-2014 to 31-01-2014	NIAM, Jaipur
13	HRD Training	HRD Training	Mr. Ashwani Kumar	29-01-14 to 30-01-13 (2 Days)	BCKV, Nadia, Kalyani, Kolkata
14	Brain storming of Agricultural extension	Brain storming of Agricultural extension	Dr. Shobha Rani, Programme co-ordinator	26-4-2013 (1 day)	BAU, Sabour
15	Tranining on Climate change & Indian horticulture	Climate change & Indian horticulture	Dr. Shobha Rani, Programme co-ordinator	25-05-2013 to 27-05-2013 (3 days)	BAU, Sabour
16	Training	Innovative fodder production system	Sri Ajit Kumar Paswan, SMS (Agro.)	14-10-2013 to 21-10-2013 (8 days)	IGFRI, Jhansi
17	Witer school	Recent advances in stored grain insect pest management	Dr. Wajid Hasan, SMS (Ento.)	13-11-2013 to 03-12-2013 (	TNAU, Coembatore
18	HRD Training	Double entry system.	Sri Dhananjay Kumar,	12-14.06.14	BAU, Sabour

			Assistant		
19	Training	Aam–jaiw wiwidhata, utpadan,katae uprant prabandhan yawam niryat	Dr. Wajid Hasan, SMS(Ento.)	09-11.06.14	BAU, Sabour
20	Training	Training programme on DSR	Ajit Kumar Paswan, SMS (Agro.)	28.05.2016	BAU, Sabour, Bhagalpur
21	Meeting	Contingency crop plan	Dr. Shobha Rani, Programme Co-ordinator	30.05.2016	ICAR-RCER, Patna
22	Training Programme	Development of KVK Website	Sri Manoj Kumar, Programme Assistant (Comp.)	24-29 June 2016	BAU, Sabour, Bhagalpur
23	Training Programme	Women Empowerment & Gender Mainstreaming	Dr. Shobha Rani, Programme Co-ordinator	23-25 Aug. 2016	BAU, Sabour
24	KVK review meeting	KVK review meeting and seed review meeting	Dr. Shobha Rani, Programme Co-ordinator	14.09.2016	BAU, Sabour
25	Training	Statistical method for data analysis in agriculture	Er. Jeetendra Kumar, SMS (Agril. Engg.)	30.08.2016 to 03.09.2016	BAU, Sabour
26	CFLD review and seed review meeting	CFLD review meeting and seed review meeting	Ajit Kumar Paswan, SMS (Agro.)	21st Dec. 2016	BAU, Sabour
27	Training	Skill development organized under ASCI norms	Dr. Shobha Rani, Programme Co-ordinator, Dr. Dinesh mahto, Scientist (Ani. Sc.) and Sri Manoj Kumar, Programme Assistant (Comp.)	06-08 Jan. 2017	GBPUAT, Pantnagar
28	Training	Extension Management	Dr. Dinesh mahto, Scientist (Ani. Sc.), Sri Kundan Kumar, Prog. Assit., Sri Ramalakhan Thakur, Farm Manager	02-06 March 2017	BAU, Sabour
29	ToT training	ToT training	Sri Ajit Kr. Paswan	28-31 Dec. 2017	BAU, Sabour
30	Training (BSDM)	Training (BSDM)	Dr. Shobha Rani, Dr. Wajid Hasan, Sri Ajit Kr. Paswan,	01.11.2017	BAMETI, Patna
31	Meeting	Meeting	Dr. Shobha Rani	14.10.2017	BAU, Sabour
32	Meeting	Meeting	Dr. Shobha Rani	19-20 Sept. 2017	BAU, Sabour
33	Meeting cum training	Meeting cum training	Dr. Shobha Rani	01.08.2017	BAMETI, Patna
34	Meeting	Meeting	Dr. Shobha Rani	23.08.2017	ARI, Patna
35	Meeting cum training	Meeting cum training	Dr. Shobha Rani	01.07.2017	BAMETI, Patna
36	Meeting	Meeting	Dr. Shobha Rani	17-18 July 2017	BAU, Sabour
37	Training	Training	Dr. Shobha Rani	05.07.2017	ICAR, RCER, Patna
38	Meeting	Meeting	Dr. Shobha Rani	20.06.2017	ICAR-RCER, Patna
39	ToT training	ToT training	Dr. Wajid Hasan	24.04.2017 to 03.05.2017	BAU, Sabour
40	Training	Training on PFMS	Dr. Shobha Rani, Sr. Scientist & Head and Sri Dhananjay Kumar, Assistant	7-8 Sept. 2018	BAU, Sabour
41	Training	ToT programme	Dr. Dinesh Mahto, SMS (Ani. Sc.)	12-18 Sept 2018	BAU, Ranchi
42	Training	Training of ToT (Bee	Sri Ajit Kumar Paswan,	03-06 Aug	BAU, Sabour

		keeper)	SMS (Agronomy)	2018	
43	Training programme through video conferencing	Training on PFMS	Dr. Shobha Rani, Sr. Scientist & Head	03.06.2018	STPI, Patliputra
44	Training of Trainer programme	Forecast application for risk management in agriculture (FARM)	Jeetendra Kumar, SMS (Agril. Engg.)	23-27 April 2018	BAU, Sabour
45	Training programme	Business module of paddy nursery	Sri Ajit Kumar Paswan, SMS (Agronomy)	26-27 April 2018	VKSCOA, Dumraon
46	Training of Trainer programme	Forecast application for risk management in agriculture (FARM) school training	Dr. Shobha Rani, Sr. Scientist & Head	7-8 March 2018	RIMES Bankok, IMD N. Delhi & BAU, Sabour
47	Infrastucture Development	Infrastucture Meeting	Er. Jeetendra Kumar, SMS (Agril. Engg.)	21.02.2018	BAU, Sabour
48	CAFT training	CAFT training	Dr. Wajid Hasan,	02-22 Feb. 2018	GBPUA&T, Pantnagar
49	Meeting	Meeting	Dr. Shobha Rani	8-9 Jan. 2018	CPRI, Patna
50	Review workshop	NICRA review workshop	Dr. Shobha Rani	13-15 Jan. 2018	Nimpeeth, West Bengal
51	CAFT training	Advances in ICT in Agricultural Extension	Er. Jeetendra Kumar, SMS (Agril. Engg.)	4-24 Jan. 2018	BAU, Sabour
52	Training	Training programme cum OFT finalization	Er. Jeetendra Kumar, SMS (Agril. Engg.)	1-2 March 2019	BAU, ranchi
53	Training	GeM portal	Dr. Wajid Hasan, SMS (Ento)	14.03.2019	BAU, Sabour
54	Winter School	Advances in higher agricultural education for quality assurance and vocational; opprtunity	Sri Ajit Kumar Paswan, SMS (Agronomy)	03.01.2019-23.01.2019	BAU, Sabour
55	Training	State orientation on ANKURAN scale up programme	Er. Jeetendra Kumar, SMS (Agril. Engg.)	21.12.2018	Hotel Chanakya Residency, Patna

24. Linkage establishment with other Govt. Department / NGOs

Agency	**Nature of linkage**
Dist. Line depart.	Diagnostic survey, joint implementation and training
ICARDA	Demonstration, Training, Seed Production.
Bank, NABARD	Coordination for Farmers club and SHG formation & functioning.
COMFED	Marketing & Training.
ICAR-RCER, Patna	Animal health camp along with vaccination programme
Bihar Veterinary College, Patna	Infertility camp
Magadh Dairy, Gaya	Animal health camp along with vaccination, Training of AI workers, Pashu Mela
Dr. Reddy Foundation	Training & field demo.
PCRA, Patna	Training
NYK, Jehanabad	Training
CWC, Patna	Training
UPL, Baiyer	Marketing & Training, Demonstration
IRRI (NFSM)	Demonstration.
JEEVIKA	Training, Demonstration, SHG
BAMETI	Training, workshop

WDC	Technology week
CYMMIT (CSISA)	ODK Survey
CPRS, Patna	Training & research inputs
MNREGA, Jehanabad	Infrastructure development

(Pl add row if required)

25. Revolving Fund Status (Rs. in lakh):

Activity	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
Opening balance as on 1st April	10.91	15.18	18.48	25.27	29.78	35.07	42.69	42.24	10.91
Receipt during the year	11.15	9.56	10.57	8.47	9.09	11.71	10.14	13.13	83.82
Expenditure during the year	6.88	6.26	3.78	3.96	3.80	4.09	3.59	5.30	37.66
Closing balance in hand as on 31st March	15.18	18.48	25.27	29.78	35.07	42.69	49.24	57.07	57.07

26. Resource generation (Rs. in '000):

Head	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	TOTAL
NICRA	2236	825	1025	1250	1105	960	840	653	8894
CFLD	-	-	-	-	665	602	730	624	2621
PMFBY	-	-	-	-	185	-	-	-	185
Kharif Mela	-	-	-	-	80	-	-	-	80
Rabi Mela	-	-	-	-	80	80	-	80	240
Skill Development	-	-	-	-	-	294	496	780	1570
RKVY/ ICT facility	-	-	-	-	-	477	-	10	487
IFS Sytem								920	920
PPV&FRA	-	-	-	-	-	-	80	-	80
Sankalp se sidhi	-	-	-	-	-	-	75	-	75
Swachhta Campaign	-	-	-	-	-	-	-	14	14
Mushroom Unit, Veg. Processing Unit	884	-	-	-	-	-	-	-	884
ATMA Jehanabad	100	-	200	-	-	-	-	-	300
Salahkar training	855	-	-	-	-	-	-	-	855
Post harvest tech	42	-	-	-	-	-	-	-	42

Sprinkler system	95	-	-	-	-	-	-	-	95
MMMP	-	26	-	-	-	-	-	-	26
WDC	-	38	-	-	-	-	-	-	38
Ground nut project	-	15	-	-	-	-	-	-	15
IRRI-NFSM	-	-	110	-	-	-	-	-	110
NHM	-	-			100	-	-	-	100
CSISA	-	-	-	-	-	-	-	160	160
Rajgir Mahotsava conference	-	-	-	-	25	-	-	-	25
NYK	-	-	-	-	403	-	-	-	403
NIAM Jaipur	-	-	-	-	-	48	-	-	48
BARAHI exhibition, Jharkhand	-	-	-	-	-	21	-	-	21
STRC	-	-	-	-	-	-	20	-	20
Seed hub	-	-	-	-	-	-	90	-	90
BGREI	-	-	-	-	-	7	-	-	7
Total	4212	904	1335	1250	2643	2489	2331	3241	18405

27. Number of new crop varieties evaluated by the KVK scientists and identification of most suited one or two:

Crop/variety	Year of testing	Best suited varieties
Paddy: a. BRR0643 (Sabour Harshit) b. Sahbhagi	2018-19	BRR0643 (Sabour Harshit)
a.Sahbhagi b.Sabour Ardhjal	2017-18	Sabour Ardhjal
a. Sahbhagi b. Abhishek c. Sabour Ardhjal d. Shusk Samrat	2015-16	Sabour Ardhjal
a.Pusa 44] b.Pusa1176] c.Pusa d.Sugandh-5 e.PNR-381	2013-14	Pusa Sugandh-5
Wheat a. HD 2985 b. HD 3059 c. Sabour Shrestha	2015-16	HD 2985
Groundnut a. ICVV9114,	2012-13	DH-86, ICVV 89280

b. DH-86, c. ICVV 93648, d. ICVV 89280, e. R 20		
Gram a. Pusa 372 b. BRC1 c. Uday	2016-17	BRC1
Fingermillet a. RAU3 b. GPU45 c. VL 352 d. GPU67 e. RAU 8	2015-16	GPU67
Green Gram a. Pusa Vishal b. HUM-16 c. Samrat d. Pusa 9531	2014-15	Pusa Vishal & HUM-16

28. Supply of seed of new varieties (crop-wise) as sample pack, if any (Provide variety-wise list and name of beneficiaries):

Crop	Varieties	Year	Name of beneficiaries
Chickpea	BRC-1	2016-17	Ramadhar Singh, Kumar Jitendra, kumdan Kumar, Butai Manjhi
Paddy	CR Dhan 201	2019	Resham kri verma, Amar Kumar, Rahul Kumar, Ramsakha Sharma, Yogendra Sharma
	CR Dhan- 300	2019	Brij Bihari Singh, Priya Ranjan Kumar
	CR Dhan 307	2019	Upendra Kumar Sharma
	CR 3516 (IET-27112)	2019	Kaushal Sharma
	CR 3561 (IET-26961)	2019	Sri laxmikant Azad, Jaikishubigha, Modanganj
	CR 3549 (IET-24347)	2019	Sri Prem Kumar, Kurua, Modanganj

29. Name 3 / 4 technologies (or more) that have created impact in sizable areas & made KVK credible

Sl. No.	Name of Technologies	Impact
1	Mushroom production	Mushroom production caused nutritional security and additional income generation by Rs. 5000/- per unit
2	Dairy farming	An increase in milk production alongwith monthly income enhancementby Rs. 20000/- monthly by raring of improved breed cow and its housing management, nutrional management (Green fodder, silage, urea treated fodder)
3	Goatry	Cross breeding of goats caused 66% increased weight and income of farmer.Sirohi crossed with black bengal goat gave increased body weight of 25-30 kg. & additional income Rs. 5000 per goat
4	Bee Keeping	Farmers are taking Beekeeping as source of additional income and getting Rs. 40000/- per year addtional income
5	Decorative item of Paddy Straw	Income generation through preparation of decorative scenery using paddy straw
6	Pulse cultivation	Pulse crop coverage (Lentil, chickpea, field pea, pigeonpea) in 15900 ha has been marked due to cluster front line demonstration and this

		technology is being adopted by farmers as low water requiring crops in lieu of wheat crop cultivation
7	Poultry	Poultry farming caused increse in annual income of farmer from Rs. 10000/ to Rs. 150000/- and most of the trained farmers have adopted poultry farming as good enterprize
8	Drought tolerant paddy varieties Shahbhagi	Paddy var. Sahbhagi proved promising in drought like situation of district and area coverage is increasing every year
9	ZT	Due to zero tillage technology sowing of wheat has been possible in area where late harvesting of paddy was performed in the district that also saved cost of cultivation,irrigation water and seed
10	Green Manuring	Organic farming through green manuring with Green Gram, dhaincha with coverage of 3200 ha
11	Single seedling transplanting	Technology of single seedling transplanting of paddy spreaded in76% area
12	Seed replacement rate (%) in the adopted villages (paddy, wheat, rai, gram, lentil, moong etc.)	85 % seed replacement with regard to crops like paddy, wheat, rai, gram, lentil, moong etc.

30. Impact assessment made so far by any dependable agency:

(Submit brief report with remarks under quote)

- Progress report (2012-13 to 2016-17) submitted to National Institute of Labour Economics Research and Development(NITI Aayog, Government of India), Delhi on the basis of which KVK, Jehanabad got "A" rank
- KVK activities reviewed by Hon'ble Central Minister for state Sri Ram Kripal Yadav Ji, Govt. of Indiaon 28.07.2018 and highly appreciated
- Zonal Monitoring Commttee constituted Dr. H.S Sen, Former Director, ICAR-CRIAF, Kolkata; Dr. A. Upadhyaya, Head & Pr. Scientist, ICAR-RCER, Patna; Dr. F.H. Rahman, Pr. Scientist, ATARI-II, kolkata; Dr. K.S. Reddy, Pr. Scientist, ICAR-CRIDA, Hyderabad and Dr. Ajoy Kumar, Chief Scientist, ARI, Patna reviewed the activities under NICRA project for the period 2012-15 on 20.05.2015and highly appreciated
- Zonal Monitoring Commttee constituted Dr.A.K. Mehta, Ex. ADG, ICAR, New Delhi; Dr. Anjani Kumar, Director, ATARI Zone-IV, Patna; Dr. R.K. Sohane, DEE, BAU, Sabour; Dr. D.V.B. Ramana, Pr. Scientist, ICAR-CRIDA, Hyderabad; Dr. S.K. Bal, Pr. Scientist, ICAR-CRIDA, Hyderabad and Dr. S.K. Singh, Pr. Scientist, ICAR-RCER, Patna reviewed 2nd time the progress of NICRA project on 14.12.2017 for activities under NICRA project for the period 2015-17 and highly appreciated

31. New Initiative, if any

- The centre is organizing" Krishak Choupal" in different villages of the district regularly as per the directive of University since 2012.
- KVK, Jehanabad is running NICRA Project since year 2011-12
- Conducted PRA survey in 5 villages of the district on Doubling Farmer's income
- Organization of animal health check up and vaccination camp
- 5 Farmers' Clubs have been formed in collaborationwith NABARD in the adopted villages
- Popularization of Pashu Chocolate for increasing livestock productivity
- Organization of animal based Krishak Gosthi (livestock owners) under the chairmanship of Hon'ble DM, Jehanabad

- Participation of scientists with five innovative farmers in National Farmers Science Congress during 5-7 Aug. 2018 at BAU, Sabour in which Sri Yogendra Sharma, farmer of vill. Gandhar awarded for his innovation
- Review of KVK activities on 28.07.2018 by Hon'ble Central Minister for state Sri Ram Kripal Yadav Ji
- Video conference training through BAU, Sabour Media centre

- Providing Technical bulletins & Krishak Samachar to the participating farmers in Hindi Language
- ODK Survey work for paddy & wheat under CSISA Project
- Two FPOs were formed in collaboration with NABARD namely Gandhar Agrotech farmers producer company limited, Modanganj, Jehanabad and Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad
- Activities under NIFTD Project on fodder management
- Popularization of decorative items using paddy straw

32. Other Programmes (not covered in the format) conducted

i) Information on **ICAR-RKVY and BSDM** Skill Development Training Programme during 2016-17, 2017-18 and 2018-19:

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17	Bee keeper	Dr. Wajid hasan	02.02.2017	10.03.2017	20	Y	127130.00
	Broiler poultry farm worker	Dr. Dinesh mahto	06.02.2017	28.03.2017	20	Y	152114.00
2017-18	Pesticides & fertilzer applicator (BSDM)	Sri Ajit Kumar Paswan	15.12.2017	19.01.2018	30	Y	496000.00
2018-19	Mushroom Grower	Dr. Shobha Rani, Sri Kundan Kumar Sri ,Ramlakhan Thakur,	22.11.2018	16.12.2018	20	Y	165185.00
2018	Dairy farmer	Dr. Dinesh mahto	16.11.2018	10.12.2018	20	Y	154046.00
2018	Mushroom Grower (BSDM)	Dr. Shobha Rani, Sri Kundan Kumar, Sri ,Ramlakhan Thakur,	15.02.2019	26.03.2019	30	Y	780000.00
2018	Bee keeper (BSDM)	Dr. Wajid Hasan	01.03.2019	02.04.2019	25	Y	

ii) Other programme conducted:

a) Celebrationimportant days:

Name of programme	**Date**
Veterinary World Day	28.04.2014, 28.04.2015, 28.04.2016, 28.04.2017, 28.04.2018
International Environmental Day	05.06.20116, 05.06.2017, 05.06.2018, 05.06.2019
ICAR foundation day	16.07.2015, 16.07.2016, 16.07.2017, 16.07.2018
World Earth Day	09.08.2015, 09.08.2016, 09.08.2017, 09.08.2018
National Milk Day	26.11.2015, 26.11.2016, 26.11.2017, 26.11.2018
World Soil Health Day	05.12.2015, 05.12.2016, 05.12.2017, 05.12.2018
International Women day	07.03.2016, 07.03.2017, 07.03.2018, 07.03.2019
Bihar Diwas	22.03.2016, 22.03.2017, 22.03.2018, 22.03.2019
Mahila kisan diwas	15.10.2016, 15.10.2017, 15.10.2018
International Yoga diwas	21.06.2017,21.06.2018, 21.06.2019
Krishi shiksha diwas	03.12.2016, 03.12.2017, 03.12.2018
International Women day	08.03.2015, 08.03.2016, 08.03.2017, 08.03.2018,08.03.2019
Veterinary World Day	29.04.2018
World food day	16.10.2017

b) Other programmes:

Name of programme	**Date**
Participate in zonal workshop & presentation of annual report 2013-14 & Action plan of KVK	20-4-2013 – 22-04-2013
Annual workshop of NICRA	04-07-2013 to 05-07-2013
Bangalore National conference of KVK	23-10-2013 to 25-10-2013
Review Workshop of NICRA at ZPD Zone –II Kolkata	23.04.15 - 24.04.15
International Conference on Sustainable Innovation in Dairying" at Rajgir (Bihar)	02.04.15 to 05.04.15.
Zonal workshop at Fishery Research Institute, Bairakpur	26-27 May 2015
National conference of KVK at Shri Krishna Memorial Hall, Patna	25-26 July 2015
Sensitization workshop on cluster demonstration on oilseed, pulses & PPVFR Programme	8-10 Dec. 2015
Kharif Kisan Sammelan	22-23 August 2015, 19.05.2016
Rabi Kisan Sammelan	20.02.2015, 20.02.2016, 25.02.2017
Energy Conservation in Agriculture	30th March, 2015
Jai kisan Jai Vigyan Diwas	23.12.15, 27.12.2016
Pradhan Mantri Fasal Bima Yojana programme	06.04.2016
Training on Neera Production	09.12.2016
Programme with Seema Suraksha Bal (BSF	13-14 Jan 2016
Agriculture Knowledge in rural school (Murari, Kako, Belai, Ghosi, Tikulia, Kako, Shahpur block Ghosi, Dharaut block Makhdumpur, Bholabigha block	26.03.2016, 11.07.2015, 29.09.2015, 24.4.16,18.5.16,15.9.16,6.1.17,21.10.16, 10.03.2018, 17.02.2018, 03.02.2018

Modanganj, Khirauti block Modanganj, Korma Block Ghosi)	
Sustainable Bee Keeping (NYK)	07-13 Oct 2015 & 30.10.2015 to 05.11.2015
Veg. seed production (NHM)	Sept. 2014
NIFTD Programme (Demo)	2014
Azadi 70 programme	23.08.2016
Krishak Vaigyanik Varta	13.06.2016
Animal Health Checkup	19-20 Sept 2016
Participation in Human Chain formed for Liquor free Bihar	21.01.2017
SD card distribution programme	22.09.2016
Parthenium Awareness programme	16-22 August 2014, 16-22 August 2015, 16-22 August 2016, 16-22 August 2017, 16-22 August 2018
PPV& FRA training	09.03.2018
ZMC visit to NICRA village Sakrorha	14.12.2017
Padosh Yuva Sansad programme	07.09.2017
Nutritional Awareness training programme	07.09.2017
New India Sankalp Se Sidhi Programme	25.08.2017
Training cum exposure visit programme of farmers producers society, Makhdumpur	30.06.2017
Kharif Kisan Sammelan (District foundation day)	01.08.2017
Padosh Yuva Sansad programme for rural youth under Ministry of Youth programme and sports, GOI	07.09.2017
Nutritional Awareness training programme	07.09.2017
New India Manthan, Sankalp Se Sidhi Programme	25.08.2017
Agro Expo exposure visit	11-13 Jan 2018
Exposure visit to ICAR, RCER, Patna	22.02.2018
Training cum bonus distribution programme	20.06.2017
PPV&FRA training programme	09.03.2018
International Agri. Tech Mela	11.03.2018
Krishi Yantrikaran Mela	30.01.2018
Krishi Unnati mela	17.03.2018
Animal Health Checkup	19.03.2018, 12.09.2017
Vaccination cum animal health programme	06.02.2018, 17.11.2017, 29.08.2017, 11.04.2018
Bonus distribution programme	27.07.2017, 20.06.2017
Distribution of dewormer for livestock	05.10.2017
Gramin Jagrukta programme for AI Workers & dairy farmers	14.11.2017
Training to Farmer producer organization	30.6.2017
BLOTP Training	31.07.2017
BLOTP Training of kisan club	17.07.2017
BLOTP Training of kisan club	24.07.2017
BLOTP Training of kisan club	19.07.2017
Prevalent diseases in Livestock/Crops/Fishery (False Smut, F.M.D)	Oct. 2016
Krishak Goshti cum Training programme in the presence of District Magistrate, Jehanabad at KVK campus	19.04.2018
Krishak Vaigyanik Varta at NICRA village Sakrorha and review of KVK NICRA	27.09.2018
Krishak Vaigyanik varta in the presence of Central Agriculture Minister, Sri Radhamohan Singh	
Pradhanmantri Kisan Samman Nidhi Programme	24.02.2019

Kisan Gosthi cum training programme and review of KVK	19.04.2018
Krishak Vaigyanik Varta at NICRA village Sakrorha and review of KVK NICRA	27.09.2018
Review of KVK by Hon'ble Rural Development Minister, Sri Ramkripal Yadav	28-07-2018
Pradhanmantri Kisan Samman Nidhi Programme	24.02.2019
Direct Telecast of Hon'ble Prime Minister of India to the farmers community through DD channel	20.06.2018
Direct Telecast of Hon'ble Prime Minister of India to SHG and the farm women through DD channel	12.07.2018
Parthenium Awareness Week	16-22.08.2018
Swachhta hi Sewa programme	20-21 Aug 2018 17.11.2018, 17,18,19,20,21,22,24,25,26,27,28,29,31 Oct. 2016, 20,22,23,27 Dec, 2018, 15.02.2019, 09.03.2019, 15th ,16th , 17th, 18th, 19th , 20th, 21st , 22nd , 23rd 24th , 25th Sept. 2017, 1st , 2nd oct. 2017, 20-21 Aug 2018, 17.11.2018, 20,22,23,27 Dec, 2018, 15.02.2019, 09.03.2019
Survey of different village (CSISA project)	July- September 2018
Krishak vaigyanik Varta (NICRA village Sakrorha)	26.09.2018
Block level Kharif mahotsav	23-25 may 2018
Krishak Goshti cum Training programme in the presence of District Magistrate, Jehanabad at KVK campus	19.04.2018
Krishak Vaigyanik varta in the presence of Central Agriculture Minister, Sri Radhamohan Singh	
Animal Health Camp	16.05.2018
Farmers scientist interaction programme	14.09.2018
Exposure visits (Bihar krishi conclave)	27.04.2018
Kharif/Rabi Sammelan cum mela	15.02.2019
Rabi Workshop	24.10.2018, 26.10.2018, 27.10.2018
District level rabi mahaabhiyan	12.10.2018
Vaccinatioon programme	

iii) Farmers Club Formed

Sl. No.	Farmers Club	Village	Block	Organization
1	Pragatishil Krishak Club	Jaikishun bigha	Modanganj	NABARD
2	Pragatishil Krishak Club	Safepur	Kako	NABARD
3	Pragatishil Krishak Club Keshopur	Kesopur	Kako	NABARD
4	Rampur charui dugdh utpadak sahayog samiti	Rampur charui	Modanganj	NABARD
5	Krishak Club	Khalispur	Kako	NABARD
6	Rampur charui Mahila Dugdh utpadak sahyog samiti	Charui	Modanganj	NABARD
7	Farmer Club (Seed production)	Bandhuganj	Modanganj	NABARD
8	Farmer Club (Goat)	Malathi	Makhdumpur	Self
9	Farmer Club (Milk)	Amarpura	Kako	COMFED
10	Farmer Club (Milk)	Tirra	Hulasganj	COMFED
11	Farmer Club (Brioler)	Jehanabad	Jehanabad	Self

33. Details of awards / prize received by the KVK, if any

i) Awards / prize received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	Best KVK stall	2015	KVK Stall (Exibit) in Farmers Fair 2015	Certificate	Best KVK stall
2	Best KVK stall	2017	Kisan mela stall prize	Certificate	Best KVK stall
3	Award for sending maximum E- message	2015	BAU, Sabour	Certificate	Sending maximum E- message

ii) Award received by farmers:

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Progressive farmer award	Sri Kaushal Sharma	2014	B.A.U., Sabour, Bhagalpur	Certificate	Excellent work in integrated farming
2	Progressive Punjab Agriculture Summit 2014	Sri Dayanand Sharma	2014	Punjab Government	51000.00	Intensive Agriculture
3	Vibrate Gujrat Waishwik Krishi Summit 2013	Sri Dayanand Sharma	2013	Gujrat Government	51000.00	Intensive Agriculture
4	Appreciation Award by ATMA, Jehanabad	Sri Shankar Singh	2014	District Magistrate, Jehanabad	Certificate & Shawl	Bee Keeping
5	Progressive Farmer Award	Sri Dayanand Sharma	2014	Govt. of Gujrat	50000/- Certificate	Progressive Farmer
6	Progressive Farmer Award	Sri Laxmi Kant Azad	2015	V.C, BAU sabour	Certificate	Spice cultivation
7	Progressive Farmer Award	Smt. Sunita Kumari	2015	Central Agriculture Minister, GOI	Certificate	Preparation of decorative items from straw.
8	Consolation Prize	Sri Ganesh Prasad	2015	Director, CPRS, Patna in coordination with CPRI, Shimla	Certificate	Vegetable cultivation
9	Progressive Farmer Award	Sri Shankar Singh	2016	BAU, Sabour	Certificate	Progressive Farmer
10	2 nd Prize	Sri Ganesh Prasad	2016	BAU, Sabour	Certificate	Quality Cabbage Production
11	3rd Prize	Sri Ganesh Prasad	2016	BAU, Sabour	Certificate	Quality Radish Production
12	Best Innovative Farmer	Sri Braj Kishore	2017	BAU, Sabour	certificate and Shawl	Kisan Mela BAU, Sabour
13	Consolation Prize	Sri Ganesh Prasad	2017	BAU, Sabour	certificate	Horticultural Exhibition, Kisan Mela BAU, Sabour
14	Best Innovative Farmer	Sri Braj Kishore	2017	BAU, Sabour	Certificate and Shawl	Kisan Mela BAU, Sabour
15	Consolation Prize	Sri Ganesh Prasad	2017	BAU, Sabour	Certificate	Horticultural Exhibition, Kisan Mela BAU, Sabour
16	3rd prize	Sri Laxmi Kant Azad	2017	State Govt.	Certificate	State level mango diversity exhibition cum competion

17	85th Golden Jubilee Celebration of IFFCO, India	Sri Laxmi Kant Azad	2017	IFFCO	Certificate	Outstanding work in agriculture
18	Progressive farmer award during Agri Expo 11-13, Jan. 2018	Sri Laxmi Kant Azad	2018	ICAR-RCER, Patna	Momento	A step towards doubling the income, ICAR-RCER, Patna
19	Outstanding performance in agriculture field	Sri Gaurav Raj	Feb, 2018	ICAR-RCER, Patna	Certificate	18th Foundation day of ICAR
20	Best Innovative farmer	Sri Gaurav Raj	Feb, 2018	BAU, Sabour	Certificate	Regional Kisan Mela, BAU, Sabour, 24-26, Feb. 2018
21	Progressive farmer award during Agri Expo 11-13, Jan. 2018	Sri Laxmi Kant Azad	2018	ICAR-RCER, Patna	Certificate	A step towards doubling the income, ICAR-RCER, Patna
22	Outstanding performance in agriculture field 2018	Sri Gaurav Raj	2018	ICAR-RCER, Patna	Certificate	18th Foundation day of ICAR
23	Best Innovative farmer 2018	Sri Harendra Singh	2018	BAU, Sabour	Certificate	Regional Kisan Mela, BAU, Sabour, 2019
24	Best Innovative farmer 2018	Sri Yogendra Sharma	2018	BAU, Sabour	Momento	National Farmer's Science Congress/ Foundation day of BAU, Sabour 05-07 Aug. 2018
25	Best progressive farmer (Dairy),18	Sri Braj Kishore Sharma	2018	Print Media	Certificate	NSIT, Bihita, patna
26	Farmer Innovation	Sri Sudhir Kumar	2018	ATARI, Zone IV, Ptna	Certificate	Innovators Meet Programme
27	Farmer Innovation	Smt. Sunita Kumari	2018	ATARI, Zone IV, Ptna	Certificate	

iii) Award received by Scientist:

Sl. No.	Name of the Award	Name of person	Year	Amount	Purpose
1	Best KVK Scientist Award	Dr. Shobha Rani	2015	Certificate	Extension work
2	Eminent scientist award	Dr. Shobha Rani	2016	Certificate	Extension work
3	Outstanding Scientist in Agriculture Award 2016	Dr. Shobha Rani	2016	Certificate	Extension work
4	Fellow Award	Dr. Wajid Hasan	2017	Certificate	Society contibution
5	Young Extension Worker Award	Dr. Wajid Hasan	2017	Certificate	Extension work
6	Young Extension Worker Award	Er. Jeetendra Kumar	2017	Certificate	Extension work
7	Yooung Scientist Award	Er. Jeetendra Kumar	2017	Certificate	Extension work
8	Best Oral presentation award	Dr. Shobha Rani	2017	Certificate	Oral presentation
9	Excellence in Extension award	Dr. Shobha Rani	2017	Certificate	Extension work
10	Excellence in Research award	Dr. Shobha Rani	2017	Certificate	Extension work
11	For outstanding contribution to	Dr. Shobha Rani, Sr. Scientist	2018	Certificate	Society for Agriculture Innovation and

	society work	&Head			Development (SAID), Ranchi
12	For best paper on contribution of rural women in dairy	Dr. Shobha Rani, Sr. Scientist & Head	2018	Certificate	Society for Agriculture Innovation and Development (SAID), Ranchi
13	On 30th Oct.- 1st Nov. 2018 in International Conference for outstanding contribution in the field of Agriculture Extension	Dr. Shobha Rani, Sr. Scientist & Head	2018	Certificate	Society for Upliftment of Rural Economy (SURE), Varanasi (U.P.), India
14	Indian Society of Extension Education (ISEE), New Delhi	Dr. Shobha Rani, Sr. Scientist & Head	2018	Certificate	On December (5-7), 2018 at WBUAFS, Kolkata for best paper entitled IFS for enhancing farmers' income and nutritional security
15	Society of ATDS, Ghaziabad during 20-22 Oct, 2018 at Meerut	Dr. Shobha Rani, Sr. Scientist & Head	2018	Certificate	For outstanding contribution in the field of Home Science Extension Education
16	Society of ATDS, Ghaziabad during 20-22 Oct, 2018 at Meerut	Er. Jeetendra Kumar, SMS (Agril. Engg.)	2018	Certificate	For best poster in the area of soil water conservation

BROAD BASING OF FRONT LINE EXTENSION
(2011-12 to 2018-19)

(Nos.)

Sl.	Item	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
1	**A.I. cases**	-	1050	1125	1170	1230	1280	1285	1315	8455
2	**Animal health care provided**	9 5	340	450	520	610	650	705	720	3995
3	**Poultries introduction**	8	12	15	25	45	52	81	106	336
4	**Piggery/ rabbitory introduction**	-	5	7	20	32	42	56	75	237
5	**Planting material /seedlings produced and distributed**	-	-	-	-	-	13750 (Brinjal)	-	400 (Moringa),4200 (brinjal), 2100 (Chilli), 2600 (Cauliflower), 4725 (Tomato)	
6	**Fodder and grass introduction, ha**	-	2	2.5	4	6.5	8.4	10.5	15.0	48.9
7	**Trees introduction(no.)**	5 5	60	60	90	185 (Mango, Amla, Lemon, wood apple)	-	175	-	625
8	**Wasteland development plan prepared under NICRA project**	-	-	-	-	-	-	-	-	-

9	**Watershed development**	-	5 Pond constructed	-	5 checkdam constructed	2 pond, 5 miniature pond constructed	2 checkdam constructed	1 pond, 2 miniature pond and 1 checkdam constructed	3 miniature pond constructed	8 ponds, 10 miniature pond and 8 checkdam constructed
10	**Consultancy on soil analysis and topographic survey**	60	75	120	160	655	387	458	243	2158
11	**Consultancy on land use planning and cropping pattern**	180	200	210	240	275	260	305	290	1960
12	**Improved hand tools and implements introduced**	2	3	3	3	4	5	4	4	28
13	**Fishery demonstrations**	-	1	2	2	-	3	-	3	11
14	**Animal health camp. & vaccination**		5	5	6	8	10	10	11	55

(Pl add row if required)*

34. Extension Activities Undertaken (Last 8 years) (Numbers)

S.N.	Activity	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	Total
1.	Field Days	4	6	4	8	4	13	7	5	51
2.	Agril. Exhibition	2	5	2	1	4	4	5	5	28
3.	Farmers' Fairs	2	5	2	5	3	4	2	2	25
4.	Radio Talk	0	0	0	0	7	7	6	8	28
5.	TV show	0	0	0	3	4	4	4	4	19
6.	Film show	0	0	0	0	4	-	3	-	7
7.	Training materials produced (a) Pamphlets (b) Video-cassette/ CD (c) Slides	2	4	0	5	1	2	1	1	16
8.	Farm Science Club organized	0	0	2	0	3	6	12	15	38
9.	*Mahila Mandals* Organized	1	5	10	12	18	25	32	35	138
10.	Extension Training meetings organized	2	8	9	9	12	14	13	18	85
11	i.Kisan Ghosthi	8	62	48	139	37	47	41	47	429
	ii.Farmers Seminar	0	0	0	5	2	-	3	-	10
	iii.Lectures delivered as resource persons	5	26	8	7	5	6	17	21	95
	iv.Newspaper coverage	4	15	79	64	42	43	31	29	307
	v.Popular articles	2	3	5	3	4	6	4	6	33
	vi.Advisory Services	210	495	2631	3679	2381	4653	1841	2150	18040
	vii.Scientific visit to farmers field	21	131	184	296	245	209	190	97	1373
	viii.Farmers visit to KVK	250	730	1710	1573	1570	2132	1943	1094	11002

	ix.Diagnostic visits	26	238	154	191	74	74	66	37	860
	x.Exposure visits	2	8	2	3	1	1	4	1	22
	xi.Animal Health Camp	2	6	4	3	2	4	2	2	25
	xii.Soil test campaigns	0	0	0	0	1	2	2	2	7
	xiii.Self Help Group Conveners meetings	1	4	4	3	2	5	4	1	24
	xiv.Celebration of important days (specify)	2	2	5	6	3	10	15	12	55
	xv.Farmers'- Scientists' Interaction	1	1	1	2	2	2	2	3	14
	xvi.Technology week	0	0	1	0	0	0	0	0	1
13	Sankalp Se Siddhi	0	0	0	0	0	0	1	1	2
14	Swatchta Hi Sewa	0	0	0	0	0	0	14	14	28
15	Krishak Goshti cum Training programme in the presence of District Magistrate, Jehanabad at KVK campus	0	0	0	1	1	1	1	1	5
16	Krishak Vaigyanik varta in the presence of Central Agriculture Minister, Sri Radhamohan Singh	0	0	0	0	0	0	1	2	3
17	Pradhanmantri Kisan Samman Nidhi Programme 24.02.2019	0	0	0	0	0	0	0	1	1
18	Skill development training	0	0	0	0	0	0	3	4	7
19	Kharif/Rabi Sammelan	0	0	0	0	0	0	2	2	4
20	Video conferencing training	0	0	0	0	0	34	27	33	94
21	Gajar Ghans jagrukta saptah 20-21 Aug 2018	0	0	1	1	1	1	1	1	6
22	Grammin Jagrukta programme	0	0	0	0	4	5	6	8	23
23	Vaccination programme	2	2	3	3	3	4	4	4	25
24	mKisan Portal	0	41	351	108	15	10	7	4	536
25	KVK Portal	0	0	0	10	60	225	161	35	481

35. Publications made during the QRT period:

Type of Publication	Title and publishers/Journal/Magazine
Research article	Rani Shobha and Kumar Devendra (2018). Factors affecting acceptance of biogas stove by rural women, Journal of Pharmacognosy and Phytochemistry. SP4: 377-379.(International Conference on Food Security and Sustainable Agriculture (Thailand on 21-24 December, 2018).
	Rani Shobha, Mahto D. and Kumar D, (2018). Nutrition security and income generation through poultry farming, International Journal of Chemical Studies. SP4: 196-198.(International Conference on Food Security and Sustainable Agriculture (Thailand on 21-24 December, 2018).
	Kumar Devendra, Singh K.M. and Rani Shobha, (2018). Effect of sowing of wheat with Zero tillage and conventional methods on soil fertility in Vaishali district of Bihar, Journal of Pharmacognosy and Phytochemistry. SP4: 318-320. (International Conference on Food Security and Sustainable Agriculture (Thailand on 21-24 December, 2018).
	Kumar Devendra and Rani Shobha, (2018). Storage practices of moong at farm level in Vaishali District of Bihar- A case study, International Journal of Chemical studies, . SP4: 06-07. (International Conference on Food Security and Sustainable Agriculture (Thailand on 21-24 December, 2018).
	Kumar Devendra and Rani Shobha, (2018). Impact of resource conservation technologies in rice wheat system of Vaiahali district (Bihar), (2018). International Journal of Chemical studies, . SP4: 163-165. (International Conference on Food Security and Sustainable Agriculture (Thailand on 21-24 December, 2018).
	Rani Shobha and Kumar Devendra (2018). Subject Matter Knowledge of Anganwadi Workers (ICDS) in different areas of competencies. (International Journal of Pure & Applied Bioscience). SP1: 6(3): 688-691.
	Rani Shobha and Kumar Devendrand Kumari, M. (2019). Impact of Nutrition Training on Knowledge of rural women, Buttetin of Environment, pharmacology and life Science, 8(3):96-98. (International Journal of Pure & Applied Bioscience).

	Rani Shobha. J. Kumar and A. Kumar(2019). Invited Speaker/Leacture on Crop diversification as an a;;roach for sustainable agriculture in climate change scenario in National Seminar on RAASRD-2019 on 15-17 March, 2019 at VKSCOA, Dumraon, Bihar
	Sohrab, CS Prasad and WajidHasan 2018. Study on the biology and life cycle of cucurbit fruit fly, *Bactroceracucurbitae*(Coquillett).*Journal of Pharmacognosy and Phytochemistry*; SP1: 223-226. HasanWajid, AsifNida, Patel Shweta, Singh N. K. and Singh Rajendra.2018.Efficacy of sub lethal doses of Insecticides on mustard aphid, *Lipaphiserysimi*Kalt.*International Journal of Agricultural Invention* 3(1): 16 –19. Sohrab, Hasan, W. and Prasad, C.S. 2018. Investigation on Level of Infestation and Management of Cucurbit Fruit Fly, Bactroceracucurbitae (Coquillett) in Different Cucurbit Crops, *International Journal of Current Microbiology and Applied Sciences.* 6(5): 1276-1288
	Dinesh Mahto(2018)---*International conference on "*Advance in Agricultural ,Biological and Apllied sciences for sustainable future" organized by Agricultural Technolgy Department society Gaziabad U P India at 20- 22 october ,2018 at Sardar Patel auditorium swami vivekanand subharti university ,Meerut UP India
	Shobha Rani and Dinesh Mahto (2018). Dynamics of fodder marketing in Bihar :An Insight , *National farmers science congress.05-07, August organized by BAU Sabour*, Bhagalpur page no. 38.
	Shobha Rani and Dinesh Mahto and Devender Kumar (2018).Contribution of farm women towards dairy farming , *International conference on rural livelihood improvement for enhancing farmers income through sustainable innovative agri and allied enterprises* (RLISAAe) organized by SURE , Varanasi ,BAU Sabour and ICAR Patna , *30 Oct to 1 Nov ,2018 , at* BIT ,Mesra campus Patna Bihar Page no 181.
	Pankaj Kumar , PK Pandia, Dinesh Mahto, Abhay Kumar and A Kumari (2018) Sero-epidemiology of Bluetongue and Caprine arthritis -encephalitis in goats of middle Indo-Gangetic plains. *Indian journal of Animal Science* ,88(1): 26–29.
	Dinesh Mahto and Maroof Ahmad(2018) .Comparative effect of pre & post A.I. antibacterial drugs infusion in repeat breeding cross bred cows. *Journal of livestock Biodeversities ,* 2(7):96-100
	Dinesh Mahto M.P. Sinha and B.K. Roy (2018) Effect of Ceftriaxone after single intramuscular administrative endometritis cow. *International journal of pure and applied Bioscience* .,SPI:6(3): 707-713.
	Dinesh Mahto & Shobha Rani, Adoption of pig-rearing practices by trained & untrained farmers at Jehanabad. *1st National Conference organized by The Society of Krishi Vigyan and the Association of Aquaculturists at ICAR- Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha.* Page No ; 40
	Pankaj Kumar,P.K. Roy, Dinesh Mahto, Abhay Kumar & A. Doy 2017, Animal Health intervention at village level and its impact in Bihar. *"International Conference & Expo on Agriculture & Veterinary Sciences: Research and Technology"* 23-25 October 2017, Hyderabad, India
	Dinesh mahto & Shobha Rani, Effect of different green fodder for milk production in cattle. *1st National Conference organized by The Society of Krishi Vigyan and the Association of Aquaculturists at ICAR- Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha.* Page No ; 42.
	Impact of Natural Resource Management Intervention under National Innovation in Climate Resilient Agriculture (NICRA) Project in Jehanabad district of Bihar: Some Reflections
	Impact of Improved Crop Interventions Suitable for Climate Resilient Agriculture
	Ahmad & Dinesh Mahto 2017, Crop Diversification for Sustainable Agriculture in Changing Climate Scenario: An Experience under NICRA Project
	Maroof Ahmad, Dinesh Mahto 2017, Growth pattern and management practices of black Bengal goats in tribal area of Jharkhand
	Dinesh Mahto 2017, Effect of progesterone and oxytocin on conception rate in repeat breeding Cattle
	Dinesh Mahto 2017, Effect of biochemical profiles and reproductive performance during internal parasites in Goat and Sheep
	Dinesh Mahto 2017, Sero-epidemiology of Bluetongue and Caprine arthritis -encephalitis in goats of middle Indo-Gangetic plains
	Dinesh Mahto 2017, Comparative effect of pre & post A.I. antibacterial drugs infusion in repeat breeding cross bred cows
	Harikesh Singh and Wajid Hasan 2017. Detrimental effects of different isolates of *Beauveria bassiana* on developmental profile of *Spodoptera litura. International Journal of Current Microbiology and Applied Sciences*, 6(7): 2378-2394

	Sohrab, CS Prasad and Wajid Hasan 2018. Study on the biology and life cycle of cucurbit fruit fly, *Bactrocera cucurbitae* (Coquillett).*Journal of Pharmacognosy and Phytochemistry*; SP1: 223-226.
	Singh, N.K., Sanjeev Kumar, Wajid Hasan and Anand Kumar. 2018. Impact of Frontline Demonstration of KVK on the Yield of Paddy (Sahbhagi dhan) in Nalanda District of Bihar, India. *International Journal of Current Microbiology and Applied Sciences*.7(03): 3606-3610.
	Sri Ajit Kumar Paswan, Influence of Weed Management Practices on Productivity of Wheat (Triticumaestivum L.) under Middle Indo-Gangetic Plains of Eastern India.
	Sri Ajit Kumar Paswan, Efficacy of Separate and Premix Formulation of Metsulfuron-Methyl and Carfentrazone-Ethyl on Weeds in Wheat: A Review.
	Suresh, R., Safi,H and Kumar J. 2017 Development of GIUH model for a new ungauged water shed .Int. J. of Agri. Inv, 2(1): 54-59
	Kumar J and Singh AKP 2018. Profile wise soil moisture extraction pattern of wheat and maize. J. of pharma. and phytochem.,SPI:773-780
	Hasan W, Chhibber RC, Singh CP 2016. Effect of Indoxacarb against Tomato Fruit Borer (*Helicoverpa armigera* Hub.) and Phytotoxicity to Tomato Plants. Adv Plants Agric Res 3(2): 00093. DOI: 10.15406/apar.2016.03.00093. http://medcraveonline.com/APAR/APAR-03-00093.php
	Hadi Husain Khan, M. Shafiqansari,Wajid Hasan, Sumit Kumar Chauhan andMohd Danish2016. Effects of dimethoate and neemarin insecticides on the biology of *Pieris brassicae* (Linn.) on cabbage**.***International Journal of Plant Protection*, 9(1):287-295.
	Shobha Rani, Horticulture intervention for climate resilience in NICRA village
Technical Bulletin :	1) MkW0 fnus'k egrks Lojkstxkj ds fy, cdjhikyu 2015 2) MkW0 'kksHkkjkuh tsyh rS;kjdjus dh ljyfof/k 3) MkW0'kksHkk jkuh] bZ0thrsUnz dqekj] MkW0 ofktnglu] Jhvftrdqekjikloku vfu;ferekWulwu ,oalw[ks dh flafpr ds fy, Qly ;kstuk 4) Jhvftrdqekjikloku 2017&18xjekekSleesalwjteq[kh dh [ksrh 5) MkW0'kksHkk jkuh f'k'kqdkvkgkj 6) Jhvftrdqekjikloku 2015 d`f"kesatSomoZjdksadkegRo ,oaiz;ksx 7) Jhvftrdqekjikloku oehZok'k 8) MkW0 okftnglu 2015 vkeesaeatjksa dh lqj{kkdhVksals 9) MkW0 fnus'kegrks cdjhikyu 10) bZ0 thrsUnzdqekj ikS/kklaj{k.k ;a=ksa ds mi;ksxesalko/kkuh ,oa ns[kHkky 11) MkW0 okftnglu 2015vkeesalesfdrdhVizca/ku 12) ladYilsflf) % 2017 13) bZ0 thrsUnzdqekj 2012 o"kkZtydkdq'kyizca/ku 14) MkW0 okftnglu /kkuesajksxizca/ku 15) MkW0 okftnglu Pkwgksaijdkcw 16) MkW0 okftnglu Lkjlksa o rksfj;kdhV ,oajksxizca/ku 17) MkW0'kksHkk jkuh] bZ0thrsUnz dqekj]MkW0fnus'kegrks Lkesfdrd`f"kiz.kkyhvfrfjDrvk; dk ,d egRoiw.kZlzksr 18) MkW0'kksHkk jkuh] MkW0 ofktnglu 2016&17lfCt;ksadkikS/k'kkykizca/ku 19) MkW0'kksHkk jkuh 2015 rqM+kbZmijkarlfCt;skadkizca/ku 20) MkW0 fnus'kegrks 2015lk'kqvksaesagjspkjsdkmi;ksx ,oaizca/ku 21) MkW0 'kksHkkjkuh 2012e'k:e dh ikSf"VdegÙkk ,oamRiknufof/k 22) MkW0 'kksHkkjkuh 2015 vnjd ds ewY;of)ZrmRikn 23) MkW0 'kksHkkjkuh] Jhvftrdqekjikloku 2016&17 vjgj dh [ksrh dh iSdstiz.kkyh 24) MkW0 fnus'kegrks Ik'kqvksaesafjihVczhfMax o cka>iu dh leL;k o mudkizca/ku 25) MkW0 fnus'kegrks 2012xzkeh.kJzksrksaesaeqxhZikyu 26) MkW0'kksHkk jkuh] bZ0thrsUnz dqekj 2017o"kkZfJr [ksrh ds fy, Hkwfeizca/ku 27) MkW0'kksHkk jkuh] MkW0 fnus'kegrks 2017 ,tksykmRiknurduhd 28) MkW0 'kksHkkjkuh 2015 Ikihrs ds xq.kdkjh is; ,oa [kk| inkFkZ

	29) MkW0 'kksHkkjkuh 2012 f'k'kqeDdkikSf"VdegÙkk ,oa mi;ksx 30) MkW0 fnus'kegrks LoPNnqX/k mRiknuD;ksa vkSj dSls 31) MkW0 'kksHkkjkuh 2015 Xk`gokfVdk 32) bZ0 thrsUnzdqekj Qy ,oalfCt;ksa dh [ksrhesaIykfLVdefYpaxdkmi;ksx 33) MkW0'kksHkk jkuh] bZ0thrsUnz dqekj] MkW0 ofktnglu] Jhvftrdqekjikloku iz/kkuea=h Qlychek ;kstuk 34) bzZ0 thrsUnzdqekj 2017&18 thjksfVystrduhdlscqvkbZD;kdjsa ,oaD;k u djsa 35) MkW0 'kksHkkjkuh VekVj ds izlaLd`rmRiknu 36) Jhvthrdqekjikloku feV~VhtkWapD;ksa ,oa dSls 37) bZ0 thrsUnzdqekj 2017&18 e`nkiks"kdrRo ,oa ty dklesfdrizca/kurduhd 38) MkW0 fnus'kegrks 2016&17 lk'kqvksaesa FkuSykjksx ds dkj.k ,oa cpko 39) MkW0 okftnglu 2015 [khjkoxhZ; lfCt;ksaesalesfdrdhVizca/ku 40) Jhvftrdqekjikloku 2016&17 [kjhQekSleesaeDdk dh oSKkfud [ksrh 41) bZ0 thrsUnzdqekj /kku dh lh/khcqvkbZtyok;qifjorZu ds vkyksdesavkt dh t:jr 42) bZ0 thrsUnzdqekj 2016&17flapkbZ ds fy, mfpriafiaxlsVdSlspqusa 43) MkW0 'kksHkkjkuh 2015 f'k'kqdkvkgkj 44) bZ0 thrsUnzdqekj QlyksaesaizHkkohflapkbZdhrduhd 45) MkW0 'kksHkkjkuh Lo;algk;rklewg }kjkefgykl'kfDrdj.k 46) bZ0 thrsUnzdqekj] Jhclardqekj 'kekZ Tkyok;qifjorZu ds vkyksdesad`f"krduhd
Popular article :	Kumar,J.2018. Aam ke bagon me tapak widhi dwara sinchai. Krishak sandesh, Jan to March 2018, BAU, Sabour
	Kumar, J. 2015.Fawwara Sinchai Pranali Sanchalan ki samasyayen, unka samadhan evam rakhrakhao. Krishak sandesh, Jan to March 2018, BAU, Sabour
	Chara fasalon ki kheti awam beej bank ki asthapna
	Kumar, J.2013. Paddy drum seeder: Bina nursery karen dhan ki kheti
	Agro Processing indutries for enterprenurship development
	Biological control of Insects
	glu Okkftn 2015-fHk.Mh esa lesfdr dhV çcaèku- *Ñ"kd lans'k- 4(1):26-27* Gupta, A. K., Hasan Wajid and Singh Deepak 2014. Integrated management of major disease and insects of Pigeonpea.http://www.krishisewa.com/cms/disease-management/452-pigeonpea-disease-management.html Jehanabad jile men krishi ke badalte aayam. Dinesh Mahto, D.K. jha and Kaushal Kushum (2014,)Dystocia due to uterine torsion in a goat.; A case report- Intas polyvet, Dec. 2014. IVJ, (2): 45-47
Electronic Media (CD) :	8
Extension Literature :	Received Best Oral Presentation Award (Second Position) fororal presentation " Management of leaf folder, *Cnaphalocrosismedinalis*(Guenee) in Paddy" in National Seminar on NPPHM-2018 held during November 17-19,2018 at BAU Sabour, Bhagalpur, Bihar.
	Jeetendra Kumar and Shobha Rani, Water Management and Demonstration of drought tolerant Rice Varieties for Climate Resilience.
	Jeetendra Kumar and Shobha Rani, Technological Intervention for Climate Resilient Agriculture in Drought Condition
	Stress Mangement through water harvesting structures under drought condition
	Shobha rani, R.K. Sohane, Dinesh Mahto, B.K. Sharma (2015) Fodder Seed Bank – An initiative for green fodder production during lean period by KVK, Jehanabad under NICRA Project
	1. Shobha rani, Dinesh Mahto & J. KumarOpinion of Rural youth towards Agribased Vocational training – A study at Krishi Vigyan Kendra, Jehanabad, National Seminar of New Delhi, Page No. 1477 2. Shobha rani, Dinesh Mahto and A Paswan, Backyard Poultry Farming for Meat & Egg Production :(Rural Enterprise-National Seminar on Rural Youth Family Farming), National

	Seminar of RYFF, BAU, Sabour, Bihar page No.- 123 3.Dinesh Mahto, Shobha Rani and Kaushal kussum (2014), Economic of harmonal treatment for estrus induction in anoestrus Buffalos under field condition. 4. Dinesh Mahto, Shobha Rani (2014), Growth & reproductive performance of black Bangal goats 5. Dinesh Mahto, Shobha Rani, k. kussum and D.K. mahto (2014), Effect of Hormonal drugs at the time of AI of repeat breeding cross breed cow. 6. Dinesh Mahto, Shobha Rani, k. kussum and D.K. mahto (2014), Induce milk production during a cyclic period of heifer and cows. 7. Pharmocokinetic profile of ceftriaxone after single dose of systemic and I.U administration in Endometric cows.
	Aam ke parirakishit utpad
	Jalwayu Parivartan ke alok me Krishi Taknik
	Jelly Taiyar karnee ki saral vidhi
	Falon ewam sabjiyon ki kheti me plastic mulching ka upyog.
	Dinesh Mahto & S. Rani, Pashuon me Repeat breeding /Banjhapan ki samasya ewam unaka Prabandhan.
	Chuhon per kabu
	Sri Ajit Kumar Paswan, Meeti ki janch
	Management of Brownplant hopper (BPH), Nilapanvata lugens and whitebacked Plant hopper (WBPH), sogatella funcifina in paddy using new chemistry.
Reports published in ICAR Reporters :	Extention Council Report (2012-13), Monthly Review meeting Report (2012-13) Monthly Program Report (2012-13), Report for State kul Workshop(2012-13), Annual Roport (2012-13) Quartrly Progess Roport (2012-13) MPR, QPR, Annual Report, SAC Report, Report for state level workshop, NICRA report, Extension Council Report (2013-14) MPR, QPR, Annual Report, SAC Report, Report for state level workshop, NICRA report, Extension Council Report, Midterm review report (2014-15) Annual Progress Report (2015-16) of KVK • Annual Action Plan (2016-17) of KVK • Annual Report (2015-16) of NICRA • Annual Action Plan (2016-17) of NICRA • Extension Council Report (April- Sept. 2015) NICRA QPR (April-June 2015, July-Sept. 2015, Oct.- Dec. 2015, Jan.- March 2016) • Extension Council Report (Oct. 15- Mar. 2016) • MPR (English), MPR (Hindi), QPR (April-June 2016, July-Sept. 2016, Oct.- Dec. 2016, Jan.- March 2017) Annual Progress Report (2016-17) of KVK • Annual Action Plan (2017-18) of KVK • Annual Report (2016-17) of NICRA • Annual Action Plan (2017-18) of NICRA • Extension Council Report (April- Sept. 2016) NICRA QPR (April-June 2016, July-Sept. 2016, Oct.- Dec. 2016, Jan.- March 2017) Extension Council Report (Oct. 16- Mar. 2017) MPR (English), MPR (Hindi), QPR (April-June 2015, July-Sept. 2015, Oct.- Dec. 2015, Jan.- March 2016) • MPR (English), MPR (Hindi), QPR (April-June 2017, July-Sept. 2017, Oct.- Dec. 2017, Jan.- March 2018) • Annual Progress Report (2017-18) of KVK • Annual Action Plan (2018-19) of KVK • Annual Report (2017-18) of NICRA • Annual Action Plan (2018-19) of NICRA • Extension Council Report (April- Sept. 2017, Oct. 2017- March 2018) • NICRA QPR (April-June 2017, July-Sept. 2017, Oct.- Dec. 2017, Jan.- March 2018) • MPR (English), MPR (Hindi), QPR (April-June 2018, July-Sept. 2018, Oct.- Dec. 2018, Jan.-

	March 2019) Annual Progress Report (2018-19) of KVK • Annual Action Plan (2019-20) of KVK • Annual Report (2018-19) of NICRA • Annual Action Plan (2019-20) of NICRA • Extension Council Report (April- Sept. 2018, Oct. 2018- March 2019) NICRA QPR (April-June 2018, July-Sept. 2018, Oct.- Dec. 2018, Jan.- March 2019)
Book Chapter	Rajendra Singh, Rishi Pal, Rashmi Nigam, Joginder Singh, WajidHasan 2018.Principles of bio-intensive pestmanagement. In:*Ecofriendly Agriculture Enhancing Crop Productivity*. Ed: Nigam R. et al 2018., Published by Anu Books, Meerut India. PP 167-195.
	Shivnath Das, Ajit Kumar Paswan, Rajan Kumar and Wajid Hasan.2018. Herbicide Mixture For Weed Management In Field Crops; Advances in Biodiversity Conservation for Sustainable Development 2018, 315-320).
	Jeetendra Kumar, WajidHasan and A. K. Paswan 2018. Resource conservation through laser leveling of agricultural land: a review. In: Advances in Agriculture and Biodiversity. Ed: Singh, J., Nigam, R., Hasan, Wajid and Singh, R. Parmar Publishers and Distributors Dhanbad, India pp 30-31.
	WajidHasan, NidaAsif, Joginder Singh, Rajendra Singh, ShikhaAhlawat and Sohrab 2018. Eco friendly management of Stored grain pests. In:*Ecofriendly Agriculture Enhancing Crop Productivity*. Ed: Nigam R. et al 2018., Published by Anu Books, Meerut India. PP 196-211.
	Manuals (Published by Publisher Kumar M.,Singh, S. K., Kumar V., Chandra, S. K., Kumar J. and Hasan W. 2019. PracticalManualofSoilPhysics. Kalyani Publishers New Delhi, ISBN: 978-93-5359-282-0. PP 87.
	ShikhaAhalavat, Puneet Kumar, WajidHasan, Ashok K. Chaubey 2018. Nematode community structure as biological indicator of agroecosystem health.In:*Ecofriendly Agriculture Enhancing Crop Productivity*. Ed: Nigam R. et al 2018., Published by Anu Books, Meerut India. PP 279-293.
	Fal sabji sanrkshan duwra udiyamita vikas Aam ke bagon main samekit keet ewam rog parbandhan. In: '*Badalta Mousam:Upyukt vegyanic kheti*' Published by IARI,Pusa Bihar. ICN: H/145/2015.P.180-183. Rai-sarson main samekit rog evam keet parbandhan. In: '*Badalta Mousam:Upyukt vegyanic kheti*' Published by IARI,Pusa Bihar. ICN: H/145/2015.P.173-179.
	Samekit keet prabandhan apnayen Dalhan utpadan badhaien.
News letter	Krishak Samachar (Quarterly), Krishak Samachar, July- Sept. 2015, April-June 2016, July-Sept. 2016, Jan-March 2017, July- September, 2017, Oct- Dec 2017, tuojh ls ekpZ 2018, vizSy ls twu 2018, Jan-March 2019, vizSy ls twu 2019

36. Final Considered Views: In your perceived opinion, Please enlist five points in order of merit that your KVK could have performed far better if (within 250 words)

i) Provision of boundary wall around KVK campus is necessary for safe farm seed production work and establishment of Integrated Farming System (IFS)

ii) Additional essential infrastructure (Training hall, Godown, Staff quarter etc.) is needed for working efficiently

iii) Provision of implement shed for safe keeping of farm implements

iv) Recruitment of Staffs/ Scientists on all the vacant post against sanctioned

v) Soil testing laboratory is needed at KVK for carrying out soil testing at district level

Annexure I

STATUS OF RESEARCH – EXTENSION LINKAGES AT THE DISTRICT LEVEL

i. **What kind of mechanism exists for local coordination of the front line extension demonstration between the KVKs and the State Govt. :**

- Meetings, Kharif/Rabi workshop, Kisan Salahkar training, Agricultural coordinator training, Farmer Scientist interaction programme withDistrict Agriculture Office (DAO) and Agricultural Technology Management Agency (ATMA),
- Vaccination /animal health camp in cordination with District Animal Husbandary Department
- Training, demonstration and formation of SHG with JEEVIKA, Jehanabad

ii. **What is the frequency of Scientific Advisory Committee Meeting for KVK during last 8 years?:** Once in a year

Date of SAC Meeting	No. of members present
07.12.2012	45
09.09.2013	38
25.09.2014	45
24.06.2015	44
08.09.2016	47
06.09.2017	51
04.09.2018	61
29.08.2019	62

iii. No. of monthly workshops organized: 1

iv. Frequency and no. of staff participated in seminars at Zonal, State and National level per year per year.

- **Zonal level workshop/seminar attended** : 2
- **National level workshop/seminar**: 2
- **State level workshop/seminar :** 4
- **Whether the local NGO's are involved in KVKsprogrammes:Yes**

Year	Zonal Workshop	National Workshop	Zonal Workshop NICRA	Extension Council Meeting	ZREAC Meeting	State Level Kharif/Rabi Workshop
2011-12	**1**	**1**	**1**	**2**	**2**	**2**
2012-13	**1**	**1**	**1**	**2**	**2**	**2**
2013-14	**1**	**1**	**1**	**2**	**2**	**2**
2014-15	**1**	**1**	**1**	**2**	**2**	**2**
2015-16	**1**	**1**	**1**	**2**	**2**	**2**
2016-17	**1**	**1**	**1**	**2**	**2**	**2**
2017-18	**1**	**1**	**1**	**2**	**2**	**2**
2018-19	**1**	**1**	**1**	**2**	**2**	**2**

v. **Whether the FPO are promoted and become visible in their activities:**
Two FPOs were formed in collaboration with NABARD namely: Gandhar Agrotech Farmers Producer Company limited, Modanganj, Jehanabad and Sahyogi Agro Producer Company Ltd., Makhdumpur, Jehanabad

vi. Whether the local Mahila Mandal or Farm Science clubs are promoted and become visible in their activities : Yes, through JEEVIKA, ATMA, Women development corportation (WDC) and ICDS, Farmers club made by KVK

vii. A brief about the extent of contribution of the officials of various line departments and joint programmes undertaken per year.

Nameof activity	Season	With line department	With ATMA	No. activiities
Kharif Maha Abhiyan	Kharif	✓	✓	8
Rabi Maha Abhiyan	Rabi	✓	✓	8
Within district exposure visit	Rabi		✓	2
Animal health Camp	Rabi	✓		7
Pre-Kharif Mela	Kharif	✓	✓	1
Pre- Rabi Mela	Rabi	✓	✓	1
Soil health day	Rabi	✓	✓	1
Farmers scientist interaction programme	Kharif,/Rabi		✓	2
New India Manthan Sankalp se Sidhi Program	Kharif	✓	✓	1
PMFBY programme	Summer/kharif	✓	✓	1
District foundation mela	Kharif	✓	✓	1
Krishi yantrikaran mela	Rabi	✓	✓	2
Kisan Chaupal	Kharif,/Rabi	✓		15

Annexure II

Impact of KVK in Terms of Agricultural and Animal Productivity, Socio-economic Conditions and Employment Generation during the QRT period in the Adopted villages

Sl. No.	Item	Unit	Prior to KVK	Post KVK activities
1.	Change in cropping intensity	(%)	126%	158%
2.	Change in productivity of 1. Paddy 2. Wheat 3. Lentil 4. Chickpea	(kg/ha)	 2400 kg/ha 2600 kg/ ha 750 kg/ha 1150 kg/ha	 3350 kg/ha 3550 kg/ ha 950 kg/ha 1400 kg/ha
3.	Use of HYV (high-yielding varieties) 1. Paddy 2. Wheat 3. Lentil 4. Chickpea	(%)	 25% 30% 7% 9%	 58% 46% 18% 21%
4.	Use of fertilizers (NPK) (nutrient) 1. Rice 2. Mustard 3. Jute 4. Sesame 5. Lentil 6. Chickpea 7. Tomato 8. Brinjal 9. Cauliflower 10. Wheat	(kg/ha)	 160-20-0 50-20-0 30-0-0 30-0-0 150-20-0	 140-30-20 60-30-20 20-20-10 20-20-20 130-35-20
5.	Use of FYM and other biofertilizers	(kg/ha)	-	Rizobium, PSB, Vermicompost, Azola in 210 ha
6.	Tractor/machinery	(No)	2	15
7.	Change in economic indicators (in adopted villages) (a) Net return/ha/yr (by crop/enterprise) 1.Rice 2.Mustard 3.Chickpea 4.Wheat 5.Lentil 6.Banana 7.Tomato 8.Potato	(No) Rs.	 21800 26000 27000 23800 30500 56000	 26500 32000 31900 28000 33000 68000

Signature of Head of the KVK