

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

1	Name and location of KVK	KRISHI VIGYAN KENDRA, HALSI, LAKHISARAI
2	Name of the Head of KVK with Postal address and Telephone No.	DR. SHAMBHU ROY, Krishi Vigyan Kendra, Post-Halsi, District-Lakhisarai, Pin Code-811318, Mob. No. 9122807102
3	Name of District and State Head Qtrs.	Lakhisarai, Patna
4	Sanction order No. and date	ICAR F.No. 6-2/2004 AE-1/dated 24.03.2006
5	Date of Establishment	23.04.2006
6	Name and Address of the Host Instt.	Bihar Agricultural University, Sabour, Bhagalpur
7	Mandate and Functions of KVKs	The mandate of KVK is Technology Assessment and Demonstration for its Application and Capacity Development. To implement the mandate effectively, the following activities are envisaged for each KVK 1. On-farm testing to assess the location specificity of agricultural technologies under various farming systems. 2. Frontline demonstrations to establish production potential of technologies on the farmers' fields. 3. Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies. 4. 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. 5. Provide farm advisories using ICT and other media means on varied subjects of interest to farmers In addition, KVKs produce quality technological products (seed, planting material, bio-agents and livestock) and make it available to farmers, organize frontline extension activities, identify and document selected farm innovations and converge with ongoing schemes and programs within the mandate of KVK.

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.	Programme Co-ordinator (I/C)	01	Dr. Shambhu Roy	10,000-15,200	08.02.2010	13.05.2012
2.	Senior Scientist & Head	01	Dr. A.K.Sinha	37,400-67,000	14.05.2012	11.09.2017
3.	Senior Scientist & Head	01	Dr. Shambhu Roy	37,400-67,000	11.09.2017	Continued
4.	SMS(Agronomy)	01	Dr. Sabhajeet	15,600-39,100	12.04.2012	14.07.2014

5.	SMS(Agronomy)	01	Dr. Binod Kumar Singh	15,600-39,100	08.09.2018	Continued
6.	SMS(Horticulture)	01	Dr. Ratan Kumar	15,600-39,100	17.04.2012	01.04.2013
7.	SMS(Horticulture)	01	Mr. Rahul Kumar Verma	15,600-39,100	30.09.2014	05.09.2018
8.	SMS(Horticulture)	01	Dr. Sunil Kumar Singh	15,600-39,100	07.09.2018	Continued
9.	SMS(Home Science)	01	Smt. Sangita Kumari	15,600-39,100	24.06.2009	26.08.2013
10.	SMS(Home Science)	01	Dr. Renu Kumari	15,600-39,100	22.10.2014	Continued
11.	SMS(Plant Breeding and & Genetics)	01	Dr. Sudhir Chandra Choudhary	15,600-39,100	04.01.2013	Continued
12.	SMS(Plant Protection)	01	Dr. Uday Prakash Narayan	15,600-39,100	02.08.2014	Continued
13.	SMS(Soil Science)	01	Dr. D. N. Pandey	15,600-39,100	12.06.2009	16.03.2013
14.	SMS(Veterinary Science)	01	Dr. Ratnesh Kumar Choudhary	15,600-39,100	11.04.2012	14.07.2014
15.	SMS(Veterinary Science)	01	Dr. Akhilesh Kumar	15,600-39,100	14.10.2014	17.01.2015
16.	SMS(Veterinary Science)	01	Dr. Sanjeev Ranjan	15,600-39,100	23.03.2015	15.09.2016
17.	Assistant	01	Mr. Vijay Kumar Singh	9,300-34,800	12.04.2013	Continued
18.	Farm Manager	01	Mr. Avni Kant	9,300-34,800	26.10.2012	Continued
19.	Programme Assistant(Lab)	01	Mr. Raviranjana Kumar	9,300-34,800	17.11.2012	Continued
20.	Programme Assistant(Computer)	01	Mr. Drabin Kumar Singh	9,300-34,800	31.05.2013	Continued
21.	Stenographer	01	Mr. Deonath Paswan	7510-20,200	20.06.2013	Continued
22.	Driver	01	Mr. Birendra Kumar	6460-20,200	13.05.2015	14.07.2017
23.	Driver	01	Mr. Shashi Prakash	6460-20,200	22.05.2015	Continued
24.	Driver	01	Mr. Ashok Kumar Das	6460-20,200	28.07.2017	16.04.2018
25.	Driver	01	Mr. Akhilesh Kumar Singh	6460-20,200	16.04.2018	Continued

9. Allocation under various Heads

ICAR	Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Sl. No.	Items/Heads								
A	RECURRING HEADS								
1	Pay & Allowances	17.23	37.30 -	42.99	50.75	73.81	77.97	77.28	90.62
2	T.A.	0.27	1.00 -	0.75	0.50	0.45	1.10	0.75	0.98
3	HRD	-	-	0.10	0.15	-	0.40	0.26	0.16
4	POL & Repair of Vehicle/Tractor,stationary and office expense, Trainees & Farmers Training Materials	2.32	4.00 -	4.50	2.65	5.10	6.20	8.09	4.00
5	Traning Extension Functioneries & Traning Rural Youth	2.33	3.00 -	3.00	1.40	3.75	3.60	3.90	2.32
6	FLD (Front Line Demonstration)	0.60	1.50 -	1.50	1.37	2.50	2.40	1.12	0.88
7	On-farm Trial/Testing	0.75	1.00 -	1.00	0.84	1.25	1.20	0.98	0.55
8	Maintenance of buildings.	-	0.50 -	0.50	0.25	0.50	11.76	0.70	0.50
9	Kisan Mela	-	-	-	-	-	-	0.42	0.45
10	SCSP General	-	-	-	-	-	-	-	1.00
11	Swachhta General	-	-	-	-	-	-	-	-
12	Soil & Water Testing Lab	-	-	-	-	-	-	0.28	-
13		-	-	-	-	-	-	-	-
TOTAL(A)		23.50	-	54.34	57.91	87.36	104.62	93.77	101.47
B	NON-RECURRING HEADS	-	-	-	-	-	-	-	-
1	Equipments & Furniture	-	-	-	-	-	-	-	3.50
2	SCSP Capital	-	-	-	-	-	-	-	1.00
3	Vehicle (Motorcycle)	-	-	-	-	1.20	-	-	-
5	Equipments & (Soil & Water Testing)	-	-	-	-	5.00	-	-	-
	Agriculture Machine & Equipments	7.00	-	-	-	-	-	-	-
	Establistment Of Library	0.10	-	-	-	-	-	-	-
Total(B)		7.10	-	-	-	6.20	-	-	4.50
Grand Total		30.60	48.30 -	54.34	57.91	93.56	104.62	93.77	105.97

10. Infrastructural facilities available at KVK

Items	Details
Land	20.09 ha
Office Building	2.00 ha
Farmers' Hostel	Available
Vehicle	Mahindra Bolero LX(2006), Motor cycle-2 (2015 &2016)
Tractor	Tractor(2006)
e-connectivity	Leased Line Airtel 2 MBPS
Demo unit etc	Vermicompost, Mushroom , Progeny Nursery
Any other	Mini soil Test Kit Lab, Farm Godown, Seedhub Godown,Staff Quarter, Threshing Floor

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	1.00
3.	Under Crops	14.8
4.	Orchard/Progeny Nursery	1.2
5.	Others with details	1.09
Total		20.09

11 . Budget (Rs. In lakh)

a. ICAR

ICAR	Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Sl. No.	Items/Heads								
A	RECURRING HEADS								
1	Pay & Allowances	23.00	-	43.45	50.96	74.02	78.00	79.00	93.50
2	T.A.	0.80	-	0.75	0.50	1.00	1.50	1.30	1.00
3	HRD	-	-	0.10	0.15	0.40	0.50	0.70	0.30
4	POL & Repair of Vehicle/Tractor,stationary and office expense, Trainees & Farmers Training Materials	2.32	-	4.50	2.65	5.10	6.20	8.10	4.00

5	Training Extension Functionaries & Training Rural Youth FLD (Front Line Demonstration)	2.33	-	3.00	1.40	3.75	3.60	3.90	2.32
6		0.60	-	1.50	1.37	2.50	2.40	1.12	0.88
7	On-farm Trial/Testing	0.75	-	1.00	0.83	1.25	1.20	0.98	0.55
8	Maintenance of buildings.	-	-	0.50	0.25	0.50	12.10	0.70	0.50
9	Kisan Mela	-	-	-	-	-	-	0.42	0.45
10	SCSP General	-	-	-	-	-	-	-	1.00
11.	Soil & Water Testing Lab	-	-	-	-	-	-	0.28	-
TOTAL(A)		29.80	-	54.80	58.11	88.52	105.50	96.50	104.50
B	NON-RECURRING HEADS	-	-	-	-	-	-	-	-
1	Equipments & Furniture	-	-	-	-	-	-	-	3.50
2	SCSP Capital	-	-	-	-	-	-	-	1.00
3	Vehicle (Motorcycle)	-	-	-	-	1.20	-	-	-
5	Equipments & (Soil & Water Testing)	-	-	-	-	5.00	-	-	-
	Agriculture Machine & Equipments	7.00	-	-	-	-	-	-	-
	Establishment Of Library	0.10	-	-	-	-	-	-	-
Total(B)		7.10	-	-	-	6.20	-	-	4.50
Grand Total		36.90	-	54.80	58.11	94.72	105.50	96.50	109.00

b. Other than ICAR:

	Year	2011-12		2012-13		2013-14		2014-15		2015-16		2016-17		2017-18		2018-19	
		B	E	B	E	B	E	B	E	B	E	B	E	B	E	B	E
Sl. No.	Items/Heads	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	Cluster FLD	-	-	-	-	-	-	-	-	-	-	3.05	7.65	1.08	103.57	18.06	10.50
2	CSISA Project	-	-	-	-	-	-	-	-	-	-	-	-	0.35	1.54	3.00	3.15
3	NIPCCD (panchayati Raj)	-	-	-	-	-	-	-	-	-	-	-	-	0.33	0.64	0.32	-
4	BSDM	-	-	-	-	-	-	-	-	-	-	3.18	3.18	17.07	17.07	-	-

5	Soil Testing Facilities	-	-	-	-	-	-	-	-	-	-	1.72	-	1.72	1.70	-	-
6	World Soil Day/Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-	-	0.80	0.80	-	-
7	PPV & FRA	-	-	-	-	-	-	0.80	0.80	-	-	-	-	0.80	0.80	-	-
8	Training Under HRD	-	-	-	-	-	-	-	-	-	-	0.30	-	-	-	-	-
9	RKVY (Misc.Exp.)	-	-	-	-	-	-	-	-	0.07	-	0.26	0.25	-	-	-	-
10	Kisan Mela	-	-	-	-	-	-	-	-	-	-	-	0.80	-	-	-	-
11	25 KVA Gen Set	-	-	-	-	-	-	-	-	-	-	-	0.79	-	-	-	-
12	Pre-Rabi Campagin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80	0.80
13	BGERI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	-
14	Seed Hub Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-
15	Bio-Tech Kisan Hub	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00	0.83
16	ASCI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.96	4.36
17	Street Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	1.00
18	Kisan Gyan Rath	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	0.08
19	Small Nursery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.50	0.40
20	Swachhata Plan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	0.14
21	Paddy transplanter	-	-	-	-	-	-	-	-	-	-	-	1.95	-	-	-	-
22	AATMA	3.40	1.40	0.05	5.18	-	-	0.50	-	-	-	-	-	-	-	-	-
23	NHM	-	-	-	-	-	-	1.25	0.69	-	0.44	-	-	-	-	-	-
24	Furniture & Furnishing	-	-	-	-	-	-	-	-	-	2.93	-	-	-	-	-	-
25	Kisan Salahkar Training Prog.	8.55	-	-	-	-	2.68	-	0.15	-	-	-	-	-	-	-	-
26	RKVY (Goat Farming)	0.37	0.37	-	-	0.13	0.11	-	0.02	-	-	-	-	-	-	-	-
27	(BAU Loan)+IRRI-NFSM	-	-	-	-	0.25	0.25	-	-	-	-	-	-	-	-	-	-
28	PLAN (BAU Sabour)	-	-	3.00	2.62	-	-	-	-	-	-	-	-	-	-	-	-
29	6th Pay Arrear	18.52	14.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	DAO Lakhisarai	9.99	9.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL(A)		40.83	26.11	3.05	7.80	0.37	3.03	2.55	1.66	0.07	3.37	8.51	14.61	22.14	126.12	42.13	21.27

c. Any other:

SEED HUB (Rs. In thousands)

Sl. No.	Item	2016-17	2017-18	2018-19
i.	Total Fund allocation	90,000,00.00	60,000,00.00	
v	Total Fund received by seed hub	90,000,00.00	36,000,00.00	13,00,000.00
vi	Date of fund received by seed hub 29-12-2016 Amt. Rs. 35,000,00.00 27-03-2015 Amt. Rs. 55,000,00.00 (Total fund received = Rs. 90,000,00.00) 2016-17 14-08-2018 Amt. Rs. 19,50,000.00 29-08-2018 Amt. Rs. 16,50,000.00 (2017-18)			
A.	Revolving fund:	2016-17	2017-18	2018-19
i	Allocation for Revolving fund	40,000,00.00	60,000,00.00	Nil
ii	Fund received under revolving fund	40,000,00.00	36,000,00.00	13,00,000.00
iii	Expenditure under revolving fund	5,84,173.00	13,49,080.00	21,38,612.00
iv	Fund received after sale of seed under revolving fund			
	Fund receipt	40,00,000.00	36,00,000.00	13,00,000.00
	Opening Balance		34,49,072.00	76,85,864.00
	Seed Sale		17,34,800.00	35,46,515.00
	Non seed sale		0.00	98,338.00
	Interest gain	33,245.00	2,51,072.00	2,75,136.00
	Total	40,33,245.00	90,34,944.00	1,29,05,853.00
	Expenditure during the year	5,84,173.00	13,49,080.00	21,38,612.00
v	Amount available under revolving fund	34,49,072.00	76,85,864.00	1,07,67,241.00
B	Seed processing plant and storage godown:	2016-17	2017-18	2018-19
i	Fund Allocation for seed processing plant and storage godown	50,000,00.00		
ii	Fund received under Seed processing plant and storage godown	50,000,00.00		
iii	Expenditure under Seed processing plant and storage godown	0.00	30,96,878.00	13,12,500.00
iv	Amount available under seed processing plant and storage godown	50,000,00.00	19,03,122.00	5,90,622.00

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	The cropping system varies depending upon the rainfall, land situation and water. In the Lakhisarai there are many farming situation namely upland, medium, low land, medium top land, middle tal land, bottom tal land, canal irrigated land, water logged area etc. Major crops grown in the district during rabi season are wheat, rabi maize, pulses including gram, lentil, pea and kheshari, vegetable including onion, patato and Oilseeds including rape seed and mustard. In kharif season major crops are Paddy etc.
2	Agro-climatic Zone	The district of Lakhisarai belong in zone III A to the state of Bihar, the geographical area of Lakhisarai district is 128142.837 (ha) sq. And it has a total of seven blocks, 503 village and two towns. The district is undeveloped and some parts of the southern part

		remains in a dry state.				
3	Agro ecological situation	The average rainfall of Lakhisarai district is 1207 mm, the maximum and minimum temperature remains 114 ⁰ F and 71.8 ⁰ F respectively in summers where as 81.4 ⁰ F and 46.8 ⁰ F respectively in winter. January is the coldest and may is hottest month of the year. The whole area receives 80 % of the total rainfall during June to September.				
4	Soil type	The district has alluvial soil composed of sand, silt and clay in its most part. The soil is fertile and suitable for crop production. The alkaline and saline deposits are rarely found. There is little erosion at some places. Natural's hazards like drought, river erosion are some of the environmental problems of the district. The district has heavy texture alluvial soil in tracts while on an average the fertility of soil is low to medium in nature.				
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others (2017-18) Source- Bihar Agricultural Statistics At A Glance & Directorate of Horticulture(2017-18)	S. No	Crop	Area (ha)	Production (MT)	Productivity (Kg/ha)
		1	Paddy	31680	107291	3387
		2	Maize	2474	5026	2032
		3	Wheat	29691	88049	2966
		4	Gram	3630	4654	1282
		5	Lentil	3534	4103	1161
		6	Pea	790	931	1178
		7	Khesari	2373	2840	1197
		8	Mustard	2667	4246	1592
		9	Linseed	215	167	777
		10	Moong	95	73	768
		11.	Potato	3112	58596	18829
		12.	Tomato	242	5406	22339
		13.	Onion	350	8836	25246
		14.	Red Chilli	320	960	3000
		15.	Turmeric	20	33	1650
		16.	Reddish	112	1738	15518
		17.	Pointed gourd	188	1586	8436
		18.	Vegetable Pea	200	1990	9950
		19.	Pumpkin	10	300	30000

		20.	Okra	348	4856	13954
		21.	Watermelon	125	1560	12480
		22.	Mango	586	5090	8686
		23.	Guava	146	1167	7993
		24.	Banana	156	6938	44474
		25.	Lemon	95	615	1474
		26.	Litchi	55	352	6400
		27.	Papaya	31	586	18903
		28.	Aonla	19	162	8526
6	Mean yearly temperature, rainfall, humidity of the district	Month	Rainfall (mm)	Temperature ⁰ C		Relative Humidity (%)
				Max.	Min.	
		April	0	37.9	21.9	80
		May	28.4	39.8	23.85	76.75
		June	30.5	39.95	25.5	70.25
		July	23.4	34.7	24.7	79.5
		August	325.15	34.5	24.5	82.6
		September	160.1	36.25	24.25	74
		October	125.35	29.7	19.4	75.02
		November	10.22	27.75	17.84	76
		December	0	19.7	11.7	69.22
		January	22.32	16.8	9.1	73.5
		February	4.2	21.95	14.5	58.5
		March	0	32.77	20.2	63.8
7	Population of cattle	Population		Population in Lakhisarai ('000)		Population in Bihar ('000)
		Cattle		111		12559
		Buffalo		79		6690

		Goat	104	10167
		Sheep	0.3	218
		Pig	7	632
		Poultry	56	11420

13. Major Activities Undertaken

As per mandate of KVK we are working for the efficient dissemination of the latest agricultural technologies which are suitable for the operational area of this Kendra are given below:

In order to achieve trained manpower in Lakhisarai District we are organizing different activities like training to practicing farmers, farm women, rural youth and extension functionaries, Kisan goshti, field days, farmers fair, workshops and demonstration of agricultural technology/ farm Implements, which were mostly based on skill and knowledge transfer. Besides these farmers visit to this Kendra and scientists visit to farmer's field in routine work.

Under front line demonstration programme on pulses, oil seeds and cereals, production technology was tested and demonstrated at farmer's field and an increase in the range of 20 to 25 percent was recorded with improved HYV varieties over local one. A considerable amount of seeds and other agri inputs has been provided to farmers under demonstration for technology transfer.

Under on farm trial, different technology related to IPM, INM, value addition, varieties of different crops (cereal, pulse and vegetables etc.) were introduced and tested for suitability and refinement. Similarly under on station trial promising varieties of cereals, pulses, oil seeds and vegetables were tested for their adaptabilities and performances.

Seed production programme of pulses are being done in different village of district under seed hub programme in participatory mode and ultimately area under pulse crop, productivity and income of farmer is increasing.

Value addition of Fruits and vegetable, mushroom production, HDP orchard on mango and guava and seed production of cereals and oilseeds and other agriculture technology which has been promoted among farmers for income generation.

On the basis of thrust area we are promoting integrated farming system(IFS) for doubling farmer's income as well as organic farming, IPM, IDM and INM for sustainable development and nutritional food security.

Resource conservation technologies viz. DSR, Zero tillage method, micro irrigation, mulching etc. are popularizing among farmers through training, demonstration, Kisan chaupal and kisan goshti to change the mind set of people under precision farming.

Agri-entrepreneurship development through skill oriented training on agri & allied sector viz. Mushroom production, bee keeping, Quality seed grower, Agriculture Extension Service Provider, Planting material production, dairy and goat farming etc has been initiated by KVK and further their linkage establishment with Kisan Club, SHG, Co-operative societies and *mandies*.

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

Strengths:-

1. KVK has administrative building, kisan hostel and staff quarters
2. Well connected with road and having rail connection at 17 KM.
3. The KVK has seed processing unit, threshing floor and two godowns.
4. Availability of video conferencing facility, mini soil kit lab
5. Twenty ha land area with irrigation facilities
6. KVK has demo unit of mushroom, vermicompost, HDP and progeny nursery.
7. KVK staff strength is almost fulfilled.

Weakness:-

1. Situated in one corner of district, so not comfortable to farmers of other block to visit frequently to KVK.
2. Boundary fencing is not complete
3. No farm implement shed.
4. Situated 1.5 Km far away from main road and having not good convenience connectivity.
5. Staff quarter is not sufficient.

Opportunities:-

1. Adoption of integrated farming system and Diversified farming
2. Promotion of mushroom cultivation and Bee-keeping
3. Promotion of High density orchard of Mango & Guava
4. Cultivation of off-season vegetables and floriculture
5. Seed production through participatory seed production programme and seed village programme
6. Promotion of organic farming and protected cultivation

7. Scope of value addition of vegetables specially on tomato and onion

Threats:-

1. No proper boundary wall and fencing
2. Bore well is not sufficient to irrigate all over cultivable area
3. Not well connected with transport facility
4. Decreasing soil fertility
5. Crop residue burning by anti social people.
6. Hinderance from local people and naxalism

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

A) Details of Building & Infrastructure available in KVK

Sl. No.	Name of building & Infrastructure
1.	Administrative Building
2.	Farmers Hostel
3.	Staff Quarters (6)
4.	Fencing (Incomplete)
5.	Threshing floor
6.	Farm godown
7.	Video conferencing Room
8.	Mushroom production unit
9.	Vermicompost unit
10	Progeny Nursery & HDP Guava & Mango orchard
11	Pump House

B) Vehicles

Type of vehicle	Year of purchase	Total km. Run	Present status
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Bolero	2006	305948	Not Good Condition
Tractor	2006	4032 Hr	Not Good Condition
Motor Cycle	2015	10458	Good condition
Motor Cycle	2016	17099	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Minikit 2 Set	2017	1,70,016.00	Good	ICAR
Soil Testing lab equipment	2017	24,949.00	Good	ICAR
b. Farm machinery				
Sewing machine 2 pieces	2012	10,000.00	Good	ICAR
Mixing machine 1 piece	2012	3,850.00	Good	ICAR
c. AV Aids				
Projector (Sony BPL) projection screen	2013	51,660.00	Good	ICAR
Laptop Sony (VAIO)	2013	48,350.00	Good	ICAR
Del Laptop inspiration 5559/Ci5	2016	54,285.71	Good	ICAR
Brother Colour Printer Model DCP-T500W MFP	2016	67,400.00	Good	ICAR
T.V. (Sony Bravia KLV-48R562CIN5)	2016	66,900.00	Good	ICAR
HP Laptop + Del Desktop inspiration 3647 + TFT	2016	92,906.00	Good	RKVY
Projector Sony VPL Ex 310+Wifi dongle	2016	58,500.00	Good	RKVY
Sound system Ahuja	2016	33,936.00	Good	RKVY
Video Camera Handycam Model FDR-AX-30	2016		Good	RKVY
RICOH Photocopier Machine	2013	77,214.00	Good	ICAR
Xerox machine Model WC 5022/24	2016	75000.00	Good	ICAR

Refrigerator	2013	17,500.00	Good	
Nikon Cam (Digital Camera)	2014	22,000.00	Good	
Cannon Camera (Still photographic DSLR)	2016	29,600.00		
External Hard Drive Lenevo (1 TB)	2016	5,600.00	Good	
Cease Fire	2016	9,649.00	Good	
Security system (Biometric)	2014	24,750.00	Good	
Audio Visual Set	2014	24,950.00	Good	
Motor Cycle 1 st	2015		Good	ICAR
Motor Cycle 2 nd	2016		Good	ICAR
Kent Perk (RO+Water Cooler)	2016	45,000.00	Good	
KENT KENT SUPER B	2016	23,000.00	Good	
Water Cooler Voltas P16H003611 + Water Purifier Euro Aqua) 900894	2016	59,500.00	Good	
T.V. Panasonic LED	2016	27,200.00	Good	
DG Set	2016	3,94,133.00	Good	

D) Farm implements

Name of equipment	Year of purchase	Present status	Source of fund
M.B. Plough	2006	Not Good	RKVY
Disc Harrow	2006	Not Good	RKVY
Multi Crop Thresher	2012	Not Good	RKVY
Rotavator	2012	Not Good	RKVY
RT-150 (SFEET) Rotavator	2014	Good	RKVY
Rotavator	2017	Good	RKVY
Zero tillage	2012	Not Good	ATMA
Zero tillage	2014	Not Good	RKVY
Zero tillage	2017	Good	RKVY

Generator set 7.00 KV	2012	Good	ICAR
Pumping set 7.5 H.P. (Kirlosker)	2012	Good	ICAR
Pumping set 4.0 H.P. (Kirlosker)	2012	Good	Revolving
Cultivator (Nine tine)	2012	Good	ICAR
Cultivator (V King)	2012	Good	ICAR
Seed drill	2012	Good	ICAR
Winnowing machine	2012	Not Good	RKVY
Power sprayer	2012	Not Good	ICAR
Power sprayer	2013	Good	ICAR
Power sprayer	2016	Good	ICAR
Power Reaper	2014	Good	RKVY
Paddy transplanter	2016	Good	RKVY

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).

2018-19

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Recent Advances in Farm Management	Mr. Avni Kant, Farm manager	11-02-2019 to 13-02-2019 (3Days)	BAU, Sabour
2	Orientation course on IPM in important agriculture and horticultural crops of Bihar & Jharkhand	Dr. U. P Narayan, SMS(Plant Path)	26-02-2019 to 28-02-2019 (3 Days)	BAU, Ranchi
3	New paradigm of plant health management	Dr. U. P Narayan, SMS(Plant Path)	17-11-2018 to 19-11-2018 (3 Days)	BAU, Sabour
4	Zero tillage technique	Dr. U. P Narayan, SMS(Plant Path)		Bameti, Patna
5	Recent advances in agriculture for sustainable rural development	Dr. U. P Narayan, SMS(Plant Path) Dr. B. K Singh, SMS(Agronomy)	15-03-2019 to 17-03-2019(3 Days)	VKS College of Agriculture, Dumrao
6	GEM Portal Training	Dr. Shambhu Roy, Senior Scientist & Heah Vijay Kumar Singh	13-03-2019 (1Day)	BAU, Sabour

		(Assistant) Dr. B. K Singh, SMS(Agronomy)		
7	TOT Programme(Skill Development)	Dr. S.C Choudhary SMS(Plant Breeding)	28-01-2019 to 31-01-2019 (3 Days)	BAU, Ranchi
8	Winter School on Advances in Higher Agricultural Education for Quality Assurance and Vocational Opportunities	Dr. S.C Choudhary SMS(Plant Breeding)	03-01-2019 to 23-01-2019(21 Days)	BAU, Sabour
9	National farmer science congress	Mr. Rahul Kumar, SMS(Hort.)	05-08-2018 to 07-08-2018 (3 Days)	BAU, Sabour
10	Horticultural workshop	Mr. S.K Singh, SMS(Hort.)	06-03-2019 to 07-03-2019 (2 Days)	NCOH, Noorsarai

2017-18

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	TOT Programme(Skill Development)	Mr. Rahul Kumar, SMS(Hort.)	24-4-17 to 3-4-17 (10 Days)	BAU, Sabour
2	TOT Programme(Skill Development)	Dr. U. P Narayan, SMS(Plant Path)	24-4-17 to 3-4-17 (10 Days)	BAU, Sabour
3	Skill Development	Mr. Drabin Kumar, Prog. Assist (Computer)	1-08-2017 (1 Days)	BAMETI, Patna
4	Onfarm Experimentation and Research,	Dr. U. P Narayan, SMS(Plant Path)	21-10-2017 to 24-10-2017 (4 Days)	CYMMIT
5	Soil Testing Kits and Reagents Kits	Mr. Ravi Ranjan, Prog. Assist (Lab. Tech.)	21-11-2017 to 23-11-2017 (3 Days)	BAU, Sabour
6	Training of Trainers of Elected Women representative of Panchayti Raj	Dr. Renu Kumari, SMS (H.Sc.)	27-11-2017 to 30-11-2017 (3 Days)	(NIPCCD), New Delhi
7	TOT Programme(Skill Development)	Mr. Ravi Ranjan, Prog. Assist (Lab. Tech.)	22-12-2017 to 31-12-2017 (10 Days)	BAU, Sabour
8	TOT Programme(Skill Development)	Mr. Avni Kant, Farm manager	22-12-2017 to 31-12-2017 (10 Days)	BAU, Sabour
9	TOT Programme(Skill Development)	Mr. Rahul Kumar, SMS(Hort.)	29-12-2017 to 31-12-2017 (3 Days)	BAU, Sabour
10	Automatic plant disease detection	Dr. U. P Narayan, SMS(Plant Path)	19-02-18 (1 Day)	CSISA
11	Agriculture technologies for farmer's prosperity and food security	Mr. Rahul Kumar, SMS(Hort.)	24-02-18 to 26-02-18 (3 Days)	BAU, Sabour
12	Agriculture Technologies & Extension Management	Mr. Drabin Kumar, Prog. Assist (Computer)	23-02-18 to 27-02-18 (5 Days)	BAU, Sabour

2016-17

S.	Name of programme	Name of KVK personnel	Date and Duration	Organized by
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No.		and designation		
1.	Process documentation & writing skill tech. in Agriculture Sc.	Mr. Rahul Kumar, SMS(Hort.)	25-30 July 2016	BAU, Sabour
2	Capacity building on “Woman empowerment & gender mainstreaming”	Dr. Renu Kumari, SMS (H.Sc.)	23-25 Aug. 2016 (2 Days)	BAU, Sabour
3	Statistical methods for data Analysis in Agriculture	Dr. U. P Narayan, SMS(Plant Path)	30 th Aug- 3 rd Sep. 2016 (5 Days)	Dep.of Statistics, Mathematics & Computer Sc.
4	TOT Programme on Skill Development at Guwahati	Dr. S, C Choudhary, SMS (PB & G)	10 th - 12 th Nov. 2016 (3 Days)	ASCI
5.	Neera coolection, processing & their value addition TNAU, Coimbatore	Mr. Rahul Kumar, SMS(Hort.)	15-19 Nov. 2016	TNAU, Coimbatore
6.	National Workshop on Skill Development @ NASC Complex, New Delhi	Dr. Renu Kumari, SMS (H.Sc.)	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
7	National Workshop on Skill Development @ NASC Complex, New Delhi	Dr. A. K Sinha, PC	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
8	National Workshop on Skill Development @ NASC Complex, New Delhi	Mr. Drabin Kumar, Prog. Assist (Computer)	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
9.	TOT Programme on Skill Development at GBU& T, Pant Nagar	Dr. Renu Kumari, SMS (H.Sc.)	6 th - 8 th Jan. 2017 (3 Days)	ASCI
10	TOT Programme on Skill Development at GBU& T, Pant Nagar	Dr. A. K Sinha, PC	6 th - 8 th Jan. 2017 (3 Days)	ASCI
11	TOT Programme on Skill Development at GBU& T, Pant Nagar	Mr. Drabin Kumar, Prog. Assist (Computer)	6 th - 8 th Jan. 2017 (3 Days)	ASCI
12	Soil Testing & handling of Equipments in the Laboratory	Mr. Ravi Ranjan, Prog. Assist (Lab. Tech.)	06-10 Feb 2017 (5 Days)	BAU, Sabour
13	Extension Management	Mr. Drabin Kumar, Prog. Assist (Computer)	02-06 March 2017	BAU, Sabour
14	Stratigies for Promoting Farmers Producer Organizations	Dr. A. K Sinha, PC	03-05 March 2017(3 Days)	BAU, Sabour

2015-16

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1	Annual Zonal workshop	Dr. A.K. Sinha (Programme Co-ordinator)	May26-27, 2015 (Two Days)	Barrackpore, Kolkota
2	Training programme on “IPM of field and horticulture crops”	Dr. U. P. Narayan (SMS, PP)	June 16-18,2015	BCKV, Nadia
3	Training programme on Project formulation	Dr. Sanjeev Ranjan (SMS, Vet. & Animal Sc.)	June 25-26.2015	CCS, NIAM, Jaipur

4	Training programme on “New advances in horticulture and its adaption”	Mr. R. K. Verma (SMS, Horticulture)	July 29- August 2,2015	DOEE, BAU Sabour
5	Training Programme on salary software	Drabin Kumar Singh (Prog. Asstt. Computer) Vijay Kumar Singh (Asstt.)	Nov 6 2015	BAU, Sabour
6	Orientation workshop on ICT initiative in agriculture	Drabin Kumar Singh (Prog. Asstt. Computer)	Dec 22,2015	BAMETI, Patna

2014-15

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Summer school on “Plant Health Management for plant health Doctors”	Dr. Sudhir Chandra Choudhary(SMS PB & G)	April 4-24, 2014 (21 days)	NIPHM, Hyderabad
2.	National Seminar on “Quality Honey production for livelihood security”	Dr. U. P. Narayan (SMS, PP)	August 5-6, 2014 (Two days)	BCKV, Nadia
3.	National Seminar on “Reorientation of agricultural Education”	Mr. R. K. Verma (SMS, Horticulture)	November 14-15, 2014 (Two days)	BAU, Sabour
4.	Capacity Building Program on “Future Commodity Market”	Dr. Renu Kumari (SMS, H.Sc.)	December 2-3, 2014 (Two Days)	BAU, Sabour
5.	Training on Agricultural Marketing	Dr. A.K. Sinha (Programme Co-ordinator)	February12-13, 2014 (Two Days)	NIAM, Jaipur

2013-14

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Sensitization workshop on plant protection and farmer’s right	Dr. sudhir Chandra Choudhary(SMS PB & G)	17 th Dec (One Day)	BCKV,Nadia
2.	HRD Training Programme for Computer Programmer	Mr.Drabin Kumar Singh (Prog. Assist. Computer)	29-30 Jan (Two Day)	BCKV,Nadia
3.	NHM officers/Farmers Training Programme	Mr. Ravi Ranjan (Prog. Assist. Lab.)	11-16 Dec, 2013(6 Days)	NHM
4.	Planning and conduction of OFT	Dr. Sabha Jeet (SMS Agronomy)	23-26 Sept. 2013 (Four day)	BAC, Sabour
5.	Workshop on pulses and oil seed	Dr. Arbind Kumar Sinha(Prog. Coordinator)	20 th July, 2013 (One Day)	BAMATI
6.	Training of stenographer	Mr. Deonath Paswan (Steno.)	22-23 July, 2013 (Two Day)	BAU, Sabour
7.	Training of Prog. Assist. Computer	Mr.Drabin Kumar Singh (Prog. Assist. Computer)	8-11 July, 2013 (Four day)	BAU, Sabour
8.	Training on accounting/Control	Mr. Vijay Kumar Singh (Assistant)	17- 20 June, 2013 (Four day)	BAU, Sabour
9	Training on Agricultural Marketing	Dr. Sabha Jeet (SMS Agronomy)	28-29 Jan, 2014 (Two Day)	NIAM, Jaipur
10	Finalization of OFT & FLD	Dr. Ratnesh Kumar	13-24 Mar, 2014(Two	BVC,Patna

		choudhary(SMS Animal Sc.)	Day)	
11	Finalization of OFT & FLD	Dr. Sabha Jeet (SMS Agronomy)	31 st March, 2014	BAU, Sabour

2012-13

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1	Strategic of improving banana productivity and quality in Bihar	Dr. Ratan Kumar (SMS Horticulture)	Feb 19,2013	BAU Sabour
2	Seminar on Goat Farming	Dr. R. K Choudhary (SMS Animal Science)	March 8-11,2013	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

S.No.	Title	Technology Option	Relevance
1.	Assessment of yield in Lentil cultivars	Farmer Practices : Farmers adopted lentil local land race Mithki Masoor. T.O.1 : HUL-57 T.O.2 : IPL -406	Lentil cultivar IPL-406 showed higher yield(13 q/ha)
2.	Evaluation of fungicides for control of lentil rust	Farmer Practices : Spray Mancozeb 75 WP T.O.1 : Two sprays of Propiconazole 25 EC@1ml/lit. of water. T.O.2 : Two sprays of tebuconazole 250 EC@1ml/lit. of water T.O.3 : One sprays of tebuconazole 250 EC@1ml/lit. of water followed by one spray of propiconazole 25 EC@1ml/lit of water	Minimum disease severity was recorded in plot sprayed with first spray of tebuconazol 250EC 1ml/lit. of water and second spray of propiconazole 25EC @ 1ml/lit. of water.
3.	Ecofriendly management of Brinjal fruit & shoot borer (<i>Lycinodes orbanalis</i> L)	Farmer Practices : Profenophos 50 EC at 7 days interval T.O.1 : Cow urine + wormi wash 100 ml /lit. T.O.2 : Azadiractin 1500 PPM @ 5ml/lit. T.O.3 : Spinosad 45% SC 0.5 ml/lit.	Minimum fruit infestation (1.03%) and shoot infestation occurred (2.23%) occurred if sprayed with spinosad 45% SC @ 0.5g/lit of water.
4.	Effect of foliar application of Zinc & Boron on growth and yield of summer tomato	Farmer Practices: No foliar spray of micronutrient. T.O.1 : 25 PPM ZnSO ₄ T.O.2 : 25 PPM Boric acid T.O.3 : 12.5 PPM ZnSO ₄ + 12.5 PPM Boric Acid (Each treatment 2 spray at 15 DAT & 45 DAT	Maximum tomato yield was recorded in 12.5 PPM ZnSO ₄ + 12.5 PPM Boric Acid (Each treatment 2 spray at 15 DAT & 45 DAT (264.14q/ha) in comparison to farmer practice and TO.2.with highest B:C ratio (2.31).

5.	Weed control in Onion	Farmer Practices: Use of Pendemethalin 30 EC before planting @2.5 ml/lit. T.O.1 : Combined spray of pendimethlin 30EC @2.5 ml/litre pre-emergence and quizalofob ethyl 5EC @1.75ml/lit. at 30 DAT T.O.2 : Oxyfluorfen 23.5 EC @ 2 ml/lit. before planting and one hand weeding at 30-35 DAT	Maximum Onion yield (294.5q/ha) and minimum weed infestation was recorded in Oxyfluorfen 23.5 EC @ 2 ml/lit. before planting and one hand weeding at 30-35 DAT.
6.	Assessment of different weedicide against weeds in Wheat crop	F.P : (2-4 D 80% Na salt @ 1.25 kg/ha as POE at 30-35 DAS) T.O.1 : Pendimethlin 30EC @ 3.0 l/ha as pre-emergence T.O.2 : Sulfosulfuron 75 WG @ 33 gm/ha a.i + Metasulfuron 75WG @20 gm/ha as POE at 30-35 DAS	Maximum wheat yield (32.4 q/ha) and minimum weed infestation was recorded if sprayed with Sulfosulfuron 75 WG @ 33 gm/ha a.i + Metasulfuron 75WG @20 gm/ha as POE at 30-35 DAS.
7.	Cultural practices in linseed for yield	F.P: Paira crop of Linseed in standing rice without basal application of Nitrogen. T.O.1 : Pre application of 40 Kg. N/ha in para crop of Linseed cv. Sabour Tisi-1 T.O.2 : Pre application of 20 Kg. N/ha	Pre application of N@40 Kg./ha followed by paira cropping of linseed var. Sabour Tisi-1 showed 13 q/ha yield and B:C ratio 4.96.
8.	Varietal trial of green gram for yield	Farmer Practices : Locally available Deshi Moong T.O.1 : HUM-16 T.O.2 : TMB-37 T.O.3 : PDM-139	Green gram var. HUM-16 showed higher yield compare to all the variety under the trial.
9.	Testing of chickpea var. Sabour Chana-1	F.P: Locally available deshi chickpea T.O.1 : Chickpea var. Sabour Chana-1 T.O.2 : Chickpea var. GCP-105 T.O.3 : Chickpea var. PB-186	Chickpea var. GCP-105 showed higher yield having BC ratio 4.2 while chickpea var. Sabour chana-1 showed lowest yield having BC ratio
10.	Evaluation of Fungicides for management of False smut disease (<i>Ustilaginoidea virens</i>) of Rice	F.P : No use of fungicide T.O.1 : Two sprays of chlorothalonil 75 wp @ 2 g/lit. of water T.O.2 : Two sprays of Propiconazole 25 Ec @ 1 ml / lit. of water.	False smut infected panicle/m ² was found lowest in the field sprayed with propiconazole 25EC 1ml/lit. of water (7.43/m ²) followed by chlorothalonil 75 wp @ 2 g/lit. of water (9.86/m ²) as well as yield also higher with propiconazole (58.86 q/ha) followed by chlorothalonil (56.73 q/ha).

11.	Evaluation of fungicides for control of lentil rust.	F.P : Spray Mancozeb 75 wp T.O.1 : Two sprays of Propiconazole 25 EC @ 1 ml/Litre of water T.O.2 : Two sprays of Tebuconazole 250 EC @ 1 ml/ Litre of water. T.O.3 : One spray of Tebuconazole 1 ml/ Litre of water followed by one spray of propiconazole 25 EC @ 1 ml/ Litre of water	Minimum disease severity (9.36%) and maximum yield 10.45q/ha was recorded in plot sprayed with first spray of tebuconazol 250EC 1ml/lit. of water and second spray of propiconazole 25EC @ 1ml/lit. of water.
12.	Ecofriendly management of Brinjal fruit and shoot borer (<i>Leucinodes orbonalis</i> L)	Farmer Practices : Profenofos 50EC at 7 days interval T.O.1 : Cow Urine + Wormi wash 100 ml / lit. T.O.2 : Azadiractin 1500ppm@5ml/lit. T.O.3 : Spinosad 45% SC 0.5 ml/lit.	Minimum fruit infestation (1.03%) and shoot infestation (2.23%) sprayed with spinosad 45% SC @ 0.5g/lit of water was recorded higher yield (286q/ha).
13.	Evaluation of performance of Boron & Mb application on quality of Cauliflower	Farmer Practices : No use of Molybdenum & Boron T.O.1 : Use of Boron @ 10 Kg./ha T.O.2 : Use of Boron @ 10 Kg./ha + 1 Kg./ha Molybdate.	Boron @ 10 Kg./ha + 1 Kg./ha Molybdate performs in better yield and curd weight than other treatment.
14.	Varietal trial on Onion	Farmer Practices : Farmers use local variety belauriya/Zirat T.O.1 : Agrifound light red T.O.2 : NHRDF RED-3 (652)	NHRDF RED-3(652) variety shows better performance in yield and size of bulb than Agrifound light red and bellaurya.
15.	Efficacy of different insecticide for controlling white fly responsible for leaf curls disease in Chilli.	Farmer Practices : Spraying of dimethoate 30 EC @ 1ml/ litre of water @ 7 days interval. T.O.1 : Spraying of Thiomethoxam 25 WG @ 1 g/3 lit. of water T.O.2 : Spraying of chlorfenapyr @ 2 ml/ litre of water	Minimum diseased plant 2.2 % and higher yield (191.14 Q/ha) was found in the field sprayed with chlorfenapyr @ 2ml/lit. of water.
16.	Efficacy of some insecticide against fruit borer	Farmer Practices : Use chlorpyrifos/Propanohos T.O.1 : Spraying of Emamectin Benzoate 5SG @ 0.5 g/lit. of water. T.O.2 : Spraying of Novaluran 10 EC @ 1ml	Spraying of Emamectin Benzoate 5SG@0.5g/lit. of water after infection of fruit is highly effective against fruit borer in Okra.
17.	Assesment of some insecticide for management of Brown Plant Hopper (<i>Nilaparvata lugens</i>) in Rice	Farmer Practices : Phorate 10G T.O.1 : Two sprays of imidachloprid 70 wg @35 gram/ha T.O.2 : Two sprays of Acephate 75% SP @	Lowest hopper incidence) and higher yield (56.28 Q/ha) was found in the field sprayed with imidachloprid 70WG @35 gm/ha.
18.	Evaluation of fungicides for management of false smut disease (<i>Ustilaginoida virens</i>) of Rice	Farmer Practices : No use of fungicide T.O.1 : Two sprays of chlorothalonil 75 WP @ 2 gm/litre of water T.O.2 : Two sprays of Propiconazole 25 E	Lowest hopper incidence (2.86/hill) and highest yield(56.28q/ha) was recorded in the field sprayed with imidachloprid 70WG @35

			gm/ha.
19.	Weed control in Onion	Farmer Practices : Use of Pendemethalin T.O.1: Combined spray of pendemethalin 30EC @ 5EC@1.75ml/litre at planting and at 30 DA T.O.2: Combined spray of oxyflorofen 23.5 EC @ 1.75 ml/litre at time of planting & 30 DA	Combined spray of pendimethaline 30 EC @ 2.5 ml/litre & quizatojob ethyl 5EC @ 1.75 ml/litre shows better effect in weed control and bulb yield.
20.	Effect of sulphur on onion	Farmer Practices : No Use of Sulpher T.O.1: Soil application of sulphur @20Kg/ha as basal T.O.2: 4 foliar application of sulphur @ 1% at 15, 30, 45 & 60 days	Spraying of 4 foliar spray @ 1% at 15, 30, 45 & 60 days after transplanting shows better size & high yield.
21.	Varietal trial of Brinjal	Farmer Practices : Use of privat sector brinjal hybrid T.O.1: Pusa hybrid-9 T.O.2: Pusa hybrid-6	Variety Pusa hybrid-9 performed highest yield of 52 ton/ha than the others.
22.	Varietal trial of vegetable pea	Farmer Practices : Use of local Caltiver T.O.1: Kashi Uday T.O.2: Azad P-3	Azad P-3 performed better yield of 81.8 q/ha than other variety.
23.	Assessment of Shelf-life of tomato pickle and its introduction to rural people.	PF : No use of any preservatives. T.O.1: Use of vinegar (150ml/Kg of tomato) T.O.2: Use of sodium benzoate (1 gm) + Glacial Acetic Acid (10 ml/Kg of tomato) T.O.3: Use of sodium benzoate (1 gm) + Glacial Acetic Acid (11ml / Kg of tomato) T.O.4: Use of sodium benzoate (1 gm) + Glacial Acetic Acid (12 ml/Kg of tomato)	Use of sodium benzoate (1gm) + Glacial Acetic Acid (12 ml/Kg of tomato) shown highest shelf life(upto 6 months) of tomato pickle.
24.	Varietal trial of Potato	Farmer Practices : Locally available cultivar Bengal Jyoti T.O.1 : Potato var. K. Pukhraj T.O.2 : Potato var. K. Sinduri T.O.3 : Potato var. K. Khyati	K. Khyati showed higher yield(375q/ha) with higher BC ratio compare to K. Pukhraj, K. Khyati and Bengal Jyoti
25.	Cultural practices in linseed	Farmer Practices : Broadcasting of linseed as para crop var. T-397 T.O.1 : Pre application of N@40Kg./ha followed by para crop of linseed var. Subhra	Pre application of N 40kg/ha in para crop of linseed shown higher yield with BC ratio (5.14) compare to farmers practice.
26.	Mitigation of terminal heat stress in late sown wheat through foliar application of Potassium nitrate (KNO ₃)	Farmer Practices : General cultivation of late sown wheat var. HI-1563 T.O.1 : Foliar spray of 0.5% KNO ₃ at booting and anthesis stage wheat cv. HI- 1563 T.O.2 : Foliar spray of 1.0% KNO ₃ at anthesis stage wheat cv. HI 1563	Foliar application 5gm/lit. (0.5% KNO ₃) at booting and anthesis stage give higher yield compare to 1% Potassium nitrate foliar application at anthesis stage.
27.	Yield performance of drought tolerance paddy cultivars.	FP : Farmers adopted variety Panna Mahsuri T.O.1 : Abhishek T.O.2 : Shusk Samrat T.O.3 : Sabour Ardhjal	Paddy cultivar Sabour Ardhjal showed higher yield (55.0 q/ha)

28.	Yield performance of timely sown wheat cultivar	FP : Lok -1, T.O.1 : HD – 2733 T.O.2 : HD – 2967 T.O.3 : HD - 3086	During timely sown condition, wheat variety HD – 3086 showed higher yield.
29.	Varietal Trial of Lentil	FP : Farmers adopted variety T.O.1: Shivalik T.O.2 : Baibhav	Lentil cv Shivalik showed higher yield compare to other varieties under trial.
30.	Varietal Trial of Potato	FP : Farmers adopted Potato cultivar T.O.1 : K. Pukhraj T.O.2 : K. Kanchan T.O.3 : K. Ashoka	Potato cv. K. Pukhraj showed higher yield (350 q/ha) compare to other cultivar under the trial.
31.	Assessment of weedicide for weed control in Lentil at Barhiya tal area	FP : no manual meeting and non use of weedicide T.O.1 : Pendimethaline 1000gm a.i./ha within 72 hours after sowing. T.O.2 : Quizalofop ethyl 40 gm a.i./ha at 15-20 days after sowing.	Better management of weed was found with quizalofop ethyl @ 40 gm a.i./ha at 15-20 days after sowing responded higher yield having BC ratio 2.44
32.	Management of Lentil Wilt in <i>Taal</i> area of Lakhisarai district.	FP : Spraying of Carbendazim @ 0.1 % T.O.1 : Seed treatment with Carbendazim 50 WP @ 2 gm /kg of seed. T.O.2 : Soil treatment with <i>Trichoderma viride</i> @ 2.5 kg/ha T.O.3 : Seed treatment with Carboxin 75 WP@ 2 gm/kg of seed and Soil treatment with <i>Trichoderma viride</i> @ 2.5 kg/ha	Seed treatment with carboxin @ 2 gm /kg of seed with soil application of <i>Trichoderma viride</i> @ 2.5 kg/ha showed minimum disease incidence and maximum yield (16.6 q/ha) having 3.03 BC ratio.
33.	Efficacy of some insecticide against pod borer (<i>Helicoverpa armigera</i> H.) in chick pea.	FP : Use chlorpariphos/ propenophos T.O.1 : Spraying of Flubendiamide 39.5 SC @ 100m/ha after 1 st initiation of pest. T.O.2 : Spraying of Chlorantanilprole. 120 ml /ha after 1 st initiation of pest. T.O.3 : Spraying of Deltamethrine 10.8 EC @ 100ml/ha.	Spraying of Flubendiamide 39.5 SC @ 100ml/ha showed minimum pest incidence and maximum yield (16.7 q/ha) having BC ratio 2.47.
34.	Management of Post Partum Anestrous in local and cross breed cow	farmer's practice (Bamboo leaf) T.O.1 - L.S. Paint + Mineral mixture (50gm. daily) T.O.2 - GnRH analogue – 5ml/ animal T.O.3 - Inj.PGF2 α 2ml/animal+GnRH analogue– 5ml/ animal	It was found that the PGF2 α and GnRH treatment resulted in 88% oestrus rate, 81% pregnancy rate and 79% calving rate. The treatment is adopted for post partem Anestrous in local and cross breed cow
35.	Effect of protected protein (Bypass protein) on milk production in lactating cows.	T1= Control diet = Roughage and concentrates fed by farmers. Modification in feeding may be required. T2 = Control diet + 12% Mustard cake (of total diet) T3 = Control diet + 12% bypass protein (of total diet	Roughage and concentrates fed by farmers with 12% bypass protein (of total diet) is beneficial for high feed intake and production point of view.

36.	Evaluation of method of sowing on yield and economic of rice under brown manuring	F.P: Transplanting T.O.1: Direct seeding T.O.2: Transplanting with brown manuring(Dhaincha) T.O.3: Direct seeding with brown manuring(Dhaincha)	Highest yield (57.00 Qt/ha) was obtained under transplanting with brown manuring (Dhaincha).
37.	Improved production potential of rice under method of sowing/transplanting.	F.P: Conventional transplanting T.O.1: S.R.I. T.O.2: Direct seedling with drum seeder	Highest yield (65q/ha), and B:C ratio (3.08) was obtained under system of rice Intensification (SRI) and 25% highest net return over conventional transplanting.
38.	To evaluate performance of different herbicide on yield of lentil.	F.P: Pendimethalin T.O.1 : Prometryn @ 1.0 kg a.i./ha T.O.2: Prometryn @ 1.0 kg a.i./ha T.O.3: Quizalofop @ 50 g.a.i./ha T.O.4: Imazithapyr@25 g.a.i./ha	Highest yield of paddy (14.00 q/ha) and B:C ratio (3.35) obtained under application of of Quizaalofop @ 50 g.a.i./ha
39.	Performance of green gram varieties against yellow vein mosaic	F.P: Desi Moong T.O.2: HUM-16 T.O.3: Samrat	No infestation of yellow vein mosaic was found in mung bean cultivar HUM- 16 with highest grain yield(14 q/ha).
40.	Performance of drought tolerance in rice cultivars	F.P: Paddy cv. Panna Mahsuri (Farmers adopted cultivar) T.O. -1 Paddy cv. Abhishek T.O. -2 Paddy cv. Sahbhagi	Paddy cv. Abhishek yielded 45 Qt/ha with no disease and insect pest infestation with maturity 115 to 120 days .
41.	Performance of Strawberry cultivars	F.P: No cultivation of strawberry T.O.1: Strawberry cv. Sweet charley T.O.2: Strawberry cv. Chandler	Strawberry cv. Chandler showed better performance yielding 150 Qt./ha
42.	Fortified Health Management for reducing kid mortality.	F.P: Colostrum feeding T.O.1: Colostrum feeding (After birth up to 3days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth – 5 days antibiotic course. T.O.2: Colostrum feeding (After birth up to 3days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth – 5 days antibiotic course. T.O.3: Colostrum feeding (After birth up to 3 days) + deworming(1 st dose – 21 days of Age 2 nd dose- 42 days of Age T.O.4: Clostrum feeding(After birth up to 3days)+ Antibiotic (Oxytetracycline) after 5 to 7 days of birth – 5 days antibiotic course+ deworming(1st dose – 21 days of Age 2nd dose- 42 days of Age)	Colostrums feeding (after birth upto 3 days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth, a five days course and deworming (1 dose – 21 days o age and 2 dose -42 days of age) gave good result with more kids survivality rate (88%), good body wt (20% $\pm$ 0.2% and less maintenance lost (0.6%) than after groups (Tobular). Hence it can be adopted as a good manage mental practices for kids in winter season
43.	Effect of protected protein (Bypass protein) on milk production in lactating	F.P:- Roughage and concentrates fed by farmers T1 = (control diet) + 10% bypass protein (of total diet)	Roughage and concentrates fed by farmers with 12%

	cows.	T2 = (control diet) + 12% bypass protein (of total diet) T3 = (control diet) + 15% bypass protein (of total diet)	bypass protein (of total diet) is beneficial for high feed intake and production point of view.
44.	Effect of different herbicide on growth and yield of wheat in rice-wheat system under Zero-tillage.	TO-1. Farmer practices TO-2. Glyphosate @ 1.5 lit. /ha at one week before sowing of wheat TO-3. Isoproturan @ 1.25 lit. /ha at 25 days after sowing of wheat TO-4. Sulfosulfuron @ 25 g/ha as post emergence 24 days after sowing of wheat	Sulfosulphuron 25 g a.i./ha) is more effective in controlling weeds in wheat and gave highest yield & returns.
45.	Assessment and acceptability of supplemented traditional badi.	Technological Option-1. Badi (Nugget) preparation by pea flour and ash gourd pulp in 1:1 ratio Technological Option -2. Badi preparation by pea flour and tomato pulp in 1:1 ratio Technological Option -3. Badi preparation by pea flour and spinach in 1:1 ratio.	Sensory evaluation of supplemental badi with tomato and spinach pulp shows that it is very much acceptable among rural people. The nutritional quality are also high for spinach supplemental badi followed by tomato
46.	Assessment of different method of raw potato chips making through sensory evaluation for better self life	Technological Option-1. Farmers practices (chips made by blanching in hot water and drying afterward). Technological Option -2. Chips blanched in hot boiling water for two minutes and dipping for 10 minutes in 0.1 percent solution of KMS (potassium metabisulphite) Technological Option -3. Chips blanched in hot boiling water for two minutes and dipping for 10 minutes in 0.1 percent solution of KMS & 0.1% acetic acid solution.	The colour and texture of raw potato chips made by use of KMS and acetic acid after two month of storage were more acceptable than chips made by farmers practice.
47.	Effect of level of boron in growth yield and quality of mid season cauliflower	TO-1. Farmer practices TO-2. 0.2% Boron spray (Through Borax), TO-3. 0.4% Boron spray	Boron spray 0.4% obtained highest curd yield (q/ha) of cauliflower

18. DETAILS OF TRAINING PROGRAMMES CONDUCTED

I. Training programmes conducted for farmers / farm women (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	25	16	651	30	25	468	30	29	859	16	9	247	0	0	0	0	0	0	0	0	0	0	0	0	101	79	2225
2.	Horticulture	0	0	0	20	45	1106	10	5	135	10	10	290	29	44	826	25	45	991	34	28	575	37	51	1280	165	228	5203
3.	Livestock	0	0	0	16	10	279	10	13	581	14	8	144	35	40	939	21	18	433	0	0	0	0	0	0	96	89	2376
4.	Home Science	6	11	480	6	17	689	0	0	0	10	8	188	20	32	657	30	42	825	32	12	322	34	22	525	138	144	3686
5.	Plant Breeding & Genetics	0	0	0	0	0	0	0	0	0	46	14	397	46	34	801	28	14	305	17	18	592	39	40	1097	176	120	3192
6.	Plant Protection	16	10	426	0	0	0	0	0	0	15	14	382	18	28	687	25	28	625	36	23	490	46	34	753	156	137	3363
7.	Soil Science	11	13	544	11	10	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	23	880
	Total	58	50	2101	83	107	2878	50	47	1575	111	63	1648	148	178	3910	129	147	3179	119	81	1979	156	147	3655	854	820	20925

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	5	2	85	5	6	165	15	19	565	10	2	60	0	0	0	0	0	0	0	0	0	5	3	68	40	32	943
2.	Horticulture	0	0	0	5	3	79	3	4	120	0	0	0	0	0	0	0	0	0	0	0	0	1	3	72	9	10	271
3.	Livestock	0	0	0	5	3	67	15	23	744	8	2	60	0	0	0	0	0	0		0	0	0	0	0	28	28	871
4.	Home Science	2	3	82	5	3	94	10	5	150	0	0	0	0	0	0	2	2	100	2	0	0	2	1	18	23	14	444
5.	Plant Breeding & genetics	0	0	0	0	0	0	0	0	0	0	0	0	8	3	76	6	1	80	0	0	0	0	0	0	14	4	156
6.	Plant Protection	4	4	139	0	0	0	0	0	0	5	2	50	3	4	104	3	2	120	3	2	141	3	1	12	21	15	566
7.	Soil Science	4	2	59	4	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	3	79	
	Total	15	11	365	24	16	425	43	51	1579	23	6	170	11	7	180	11	5	300	5	2	141	11	8	170	143	106	3330

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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	5	02	40	5	6	156	3	8	204	0	0	0	0	0	0	0	0	0	0	0	0	2	1	20	15	17	420
2.	Horticulture	0	0	0	5	4	110	1	0	0	7	1	35	4	0	0	1	1	23	2	1	33	2	1	21	22	8	222
3.	Livestock	0	0	0	0	4	107	2	17	556	7	0	0	7	2	44	3	0	0	0	0	0	0	0	0	24	23	707
4.	Home Science	3	7	78	5	7	172	6	0	0	0	0	0	4	3	66	2	1	17	2	1	19	2	1	20	24	20	372
5.	Plant Breeding & Genetics	0	0	0	0	0	0	4	2	54	10	2	65	10	1	21	4	2	46	6	1	21	6	3	62	40	11	269
6.	Plant Protection	4	3	94	5	7	156	2	3	84		2	70	2	1	27	1	3	79	2	3	88	2	2	41	18	24	639
7.	Soil Science	7	3	96	5	6	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	9	230
	Total	19	15	308	30	34	835	18	30	898	24	5	170	27	7	158	11	7	165	12	6	161	14	8	164	155	112	2859

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	30	6.0	42.1	34.6	23200	56700	HD-2985	24600	68400	1400	11700	-	10300
	Lentil	20	5.0	14.5	11.0	14100	44000	HUL-57	14800	56000	700	12000	-	11300
II (2012-13)	Wheat	33	10.0	42.5	34.8	25200	57800	PBW-343	26400	70300	1200	12500	-	11300
	Lentil	24	5.0	13.50	10.76	13500	36368	HUL-57	12500	41700	1000	5332	-	4332
	Gram	17	5.0	14.24	11.81	16300	37625	JJ-11	17500	43151	1200	5526	-	4326
	Mustard	15	3.0	20.60	17.90	17500	37625	R.suflam	18000	43550	500	5925	-	5425
	Tomato	22	1.0	300.0	250.0	80400	164000	Pusa Rubi	96500	212000	16100	48000	-	31900
	Potato	37	1.0	240.0	190.0	92000	152000	K. Pukhraj	95000	192000	3000	40000	-	37000
III (2013-14)	Wheat	17	5.0	39.2	36.20	24285	52565	HI-1563	25265	56996	980	4431		3451
	Lentil	19	5.0	12.0	10.0	12115	30200	Shivalik	12600	34500	485	4300	-	3815
	Gram	24	6.5	16.4	13.8	21800	48300	PG-185	22400	57400	600	9100		8500
	Mustard	20	5.0	9.0	7.0	17360	29200	R.suflam	18790	37800	1400	8600	-	7200
	Green Gram	20	8.0	11.8	9.6	20400	28800	HUM-16	21200	35400	800	6600	-	5800
	Brinjal	15	1.0	224.0	192.0	62400	153600	Pusa hybrid-6	68600	179200	6200	25600		19400
IV (2014-15)	Wheat	27	8.0	40.8	34.6	26100	55400	HD-2967	28400	65300	2300	9900	-	7600
	Wheat	13	3.3	36.2	32.5	25600	52100	HI-1563	26200	57900	600	5800	-	5200
	Lentil	24	7.5	16.4	13.6	22000	61200	Arun	22600	73800	600	12600	-	12000
	Gram	40	10.0	17.6	14.3	22500	50050	Pusa-256	22900	61600	400	11550	-	11150
	Mustard	10	10.0	12.5	9.3	14000	27900	R.Suflam	14612	37500	612	9600	-	8988
	Onion	15	3.0	340.0	301.0	100200	415000	Agrifound Dark Red	110000	464000	9800	49000	-	39200
V (2015-16)	Wheat	40	15.0	38.0	33.5	24000	47600	HD-2967	25916	53400	1916	5800	-	3884
	Lentil	05	2.0	12.0	10.0	14200	55000	Shivalik	15500	66000	1300	11000	-	9700
	Gram	06	1.5	18.0	15.0	16400	69000	Pusa-256	18900	82800	2500	13800		11300
	Linseed	06	3.3	14.5	11.2	18500	27600	Subhra	19400	34200	900	6600		4700
	Potato	30	1.0	350.0	200.0	92000	240000	K. Pukhraj	95310	420000	3310	180000	-	176690
	Onion	15	3.0	350.0	305.0	106000	427000	Agrifound Darkred	111400	490000	5400	63000	-	57600
	Banana	50	100	510.0	430.0	84000	430000	G-9	110000	510000	26000	80000		54000
	Vegetable Pea	05	1.5	20.0	18.0	24500	38000	Azad Pea-3	25600	42500	1100	4500	-	3400

VI (2016-17)	Wheat	20	6.4	48.0	35.0	22500	56500	HD-2967	24600	74800	2100	18300	-	16200
	Wheat	45	12.0	40.0	32.5	21400	52800	HI-1563	22600	64600	1200	11800	-	10600
	Wheat(Mini Kit) IARI,Pusa, Bihar	05	1.25	47.0	35.0	22600	55400	HD-2733	24500	70500	1900	15100	-	13200
		05	1.25	42.0	35.0	22600	55400	HD-2824	24500	63600	1900	8200	-	6300
		05	1.25	48.0	35.0	22600	55400	HD-2967	24500	72400	1900	17000	-	15100
		05	1.25	40.0	34.0	21200	54200	HI-1563	22800	60600	1600	6400	-	4800
		05	1.25	41.0	34.0	21200	54200	HD-3118	22800	61250	1600	7050		5450
	Lentil	21	7.36	12.0	10.0	14200	55000	HUL-57	15570	66000	1370	11000	-	9630
VII (2017-18)	Wheat	15	6.0	41.5	34.0	24600	55800	HD-2733	25400	67500	800	11700		10900
	Wheat(CSISA)	10	4.0	40.0	32.5	22600	52400	HI-1563	23200	64800	600	12400		11800
	Wheat(CSISA)	10	4.0	47.5	34.0	23800	54200	HD-2967	24500	74500	700	20300		19600
	Green gram	20	8.33	11.8	9.2	19600	36400	HUM-16	20500	47200	900	10800		9900
	Tomato	10	1.0	403.0	360.5	70100	252350	Kashi vishesh	70450	282100	350	29750		29400
	Bottle guard	10	1.0	264.0	185.0	82500	148200	Narendra Dev	84600	212500	2100	64300		62200
	Cauliflower	10	1.0	213.0	188.0	40500	130400	Sabour Agrim	48600	150200	8100	19800		11700
VIII (2018-19)	Chilli	10	4.0	198.6	179.4	161710	627900	chlorophenyr@ 1.5ml/lt	163560	695100	1850	67200		65350
	Wheat	15	6.0	34.80	28.6	23400	46500	HI 1563	24600	57850	1200	11350	-	10150
	Wheat(IARI)	10	1.0	36.4	32.5	25800	55300	HD-2967/HD- 2733(Check)	26200	59600	400	4300		3900
	Wheat(IARI)	05	0.5	30.6	28.4	23400	48200	HD-3118/HD- 2985(check)	23800	51600	400	3400		3000
	Rajma	05	0.8	20.5	16.5	36500	66400	PDR-14	38085	81915	1585	15515		13930
	Mustard	08	3.50	11.8	9.5	19400	43200	R.Suphlam	20100	53400	700	10200		9500
	Onion	08	0.50	294.5	258.5	100385	226187	NHDRF Red	111385	257687	11000	31500		20500
	Brinjal	15	1.00	392.5	328.0	122458	229600	Pusa Hybrid-9	126456	274750	3998	45150		41152

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	30	4.0	41.2	36.5	24200	43800	R.sweta	25800	58400	1600	14600	-	13000
	Red Gram	20	5.0	14.6	10.5	19100	47250	Malviya-13	19500	65700	400	18450	-	18050
II (2012-13)	Paddy	42	15.0	41.0	36.0	25960	51480	R.sweta	27480	57410	1520	5930	-	4410
III (2013-14)	Paddy	34	18.0	33.5	30.6	22600	42800	Sahbhagi	24100	46900	1500	4100	-	2600
	Paddy	20	5.0	39.5	36.5	24500	54800	Sabour surbhit	25300	60500	800	5700	-	4800
	Paddy	20	5.0	38.0	34.5	23600	51800	R. Kasturi	24800	57600	1200	5800	-	4600
	Pigeon pea	66	10.0	14.5	12.4	18500	52600	Pusa-9	19800	60200	1300	7600		6300
IV (2014-15)	-	-	-	-	-	-	-	-		-	-	-	-	-
V (2015-16)	Paddy	8	8.0	34.0	30.0	24000	41800	Abhishek	25100	47600	1100	5800	-	4700
VI (2016-17)	Paddy	8	4.0	45.0	40.0	28000	55000	R.Sweta	29600	61750	1600	6750	-	5250
	Paddy(IRRI)	7	6.0	54.75	45.0	28500	60750	DRR-44	29608	73912	1108	13162	-	12054
	Paddy(IARI-Pusa)	30	2.0	51.56	40.0	24500	64500	PNR-381	25600	82400	1100	17900	-	16800
		30	2.0	37.83	35.0	23800	77500	Pusa Sugandha-5	24200	83400	400	5900	-	5500
VII (2017-18)	Paddy	15	6.0	57.28	48.30	28175	67620	Immidachloprid 70WG @35 gm/ha	31610	80192	3435	12572	-	9137
	Paddy	20	20.0	54.3	48.6	27600	72800	Azotobacter@ 5kg/ha	28200	81200	600	8400	-	7800
	Paddy	20	20.0	52.6	47.8	27500	71700	BGA@10Kg/ha	28300	78600	800	6900	-	6100
VIII (2018-19)	Paddy	25	10.0	43.6	36.8	25600	61900	R.Sweta	27400	73800	1800	11900	-	10100
	Paddy	06	2.25	42.8	32.6	25400	54600	Swarna Sub-1	26500	71200	1100	16600	-	15500
	Paddy	100	100	57.2	52.0	32800	75660	Azotobacter @5kg/ha	33300	83200	500	7540	-	7040

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. Prodn.	C	R	C	R	C	R		
I (2011-12)														
II (2012-13)														
III (2013-14)														
IV (2014-15)														
V (2015-16)	Dewormer	Fendikind-3		122										
VI (2016-17)	Mushroom	Oyster		3										
VII (2017-18)	Nutritional Garden	Vegetable seed		25										
	Mushroom spawn	Oyster		23										
VIII (2018-19)	Mushroom spawn	Oyster		38										

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)
i) Seed - Crop-wise & \ variety-wise	Paddy(R. Sweta) RedGram (Malviya-13) Lentil(H UL-57) Wheat(H D-2985)	Paddy (R.Sweta) Moong (HUM-16) Lentil (HUL-57) and Gram (JJ-11) Mustard (R. Suflam) Wheat (HD 2985 and PBW 343)	Paddy (Sahbhagi, Sabour Surbhit And R. kasturi) Arhar (Pusa 9) Gram (PG 185) Wheat (HI 1563) Lentil (Shivalik) Mustard (R. Suflam) Moong (HUM-16)	Wheat (HD 2967) And HI 1563 Gram (Pusa256, BG-547)) Lentil (Arun/PM-5)) Mustard (R. Suflam) Linseed(S ubhra) Field Pea(Prakash)	Paddy (Abhishek) Wheat (HD 2967) Gram (Pusa 256)	Paddy (R. sweta and DRR-44) DSR (MTU-7029) Paddy (PNR381, Pusa Sugandha -5) Wheat (HD 2733, HD 2824, HD 2967, HI 1563, HD 3118) Green Gram var-HUM-16 Lentil(Arun)	Green Gram (HUM-16) Wheat (HI 1563, HD 2733 and HD 2967) Gram (PG186 and PG 256)	Paddy(R.S weta, Swarna Sub-1) Rajma (PDR-14) Wheat(HI-1563,HD-2967,HD-2733,HD-3118) Mustard(R Suflum)
ii) Biofertiliser							Azotobacter Blue Green Algae	Azotobacter
iii) Fertilizer/Pesticides		NPK (12:32:16)	Pretilachlor (50 EC), Bavistin, Reagent			Pendimethylene	Imidachloroprid 70 wG)	

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)
i) Seed		Cauliflower (Pusa Sharad) Tomato (Pusa Ruby) Onion (Pusa Red)	Brinjal (Pusa Hybrid 6)	Onion (Agri Found Dark Red)		Cowpea (Kashi Kanchan)	Tomato (kasha Vishesh) Bottlegourd (Narendra Dev) Cauliflower (sabour Agrim) Brinjal(P)	Rajma(PDR-14) Onion(NHR DF-Red) Brinjal(Pusa hybrid-9)
ii) Saplings		Chilli (Pusa Sadabaha r)	Brinjal (Pusa Hybrid -6) Pappaya (Pusa Dwarf)		Banana(G -9)	Cauliflower(Sab our Agrim) Tomato(Kashi Vishesh) Brinjal(Pusa Hybrid-9)		Cabbage (Golden Acre) Okra(Kasahi Kranti) Sponge gourd(Rajendra Nenua)

								Onion(NHR DF-Red)
iii) Root / tubers		Potato (K. Pukhraj)			Potato (K.Pukhr aj)			
iv) Fertilizer and Pesticide s							Chlorofenap yr 10SC Boron	
Nutrition al Garden					Pea(Azad Pea-3)		Seeds of vegetables and GLVs	
Mushroo m Spawn							Oyster	

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			Albendazole Bolus Tetryacyclin Inj.		Fendikind-3)				

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					-	-	-	994	
Soil Health Card issued					392	125	250	994	
No of Farmers benefitted					400	225	625	994	

22. Entrepreneur development during the period of QRT:

- Area/Field:Details of farmers are given below
- Target group: Mostly Small and marginal farmers
- Impact: Most of the farmers are commercializing their product and getting more income.

The following progressive farmers lead as an agricultural entrepreneurs in the district.

Area/Field	Adress	Phone No
Mushroom Production		
1.Shymaesh Kumar	Vill- Lakhisarai	9263664508

2.Sanjay Kumar	Vill-Giddha, Po- Kaindi	9576719813
3.Sonu Kumar	Vill- Manpur	7764983911
4.Mina Devi	Vill- Dhira	7632066222
5.Rajnish Kumar	Vill- Khawa, block- Suryagarha	8521168826
Integrated Farming System(IFS)		
1.Manish Kumar	Vill- Sethna, Block- Halsi	7631494261
2. Awdhesh Kumar	Vill- Dhira, Block- Halsi	9955000456
3.Nageshwar Singh	Vill- saithna, Block- Halsi	9576180242
4.Vijay Kumar Singh	Vill- Sisma, Block- Lakhisarai	9199807395
5.Chun chun Kumar	Vill.- Ramnagar Bartara, Block- Ramgarh chowk	9006344747
Poultry		
1.Mahesh Singh	Vill- Kajra, Block- Suryagarha	7977192910
2.Sidheswar Singh	Vill- Patner, Block-Lakhisarai	
Seed Production(Pulse)		
1.Ajay Kumar Singh	Vill- Patner, Block-Lakhisarai	
2.Prithivi Raj Singh	Vill- Patner, Block-Lakhisarai	8002040582
3.Jitendra Singh	Vill- Patner, Block-Lakhisarai	
4.Randhir Singh	Vill- Patner, Block-Lakhisarai	8108162714
5.Deepak Singh	Vill- Mahuabadi, Block- Barhiya	9507991278
6.Bulbul Rani	Vill- Mahuabadi, Block- Barhiya	7543899885
7.Shyamsundar Singh (BRBN Rgd.)	Vill- Sethna, Block- Halsi	8292038594
8.Muralidhar Singh	Vill- Patner, Block-Lakhisarai	9162099903
Bee Keeping		
1.Rajendra Jha	Vill- Kajra, Block- Suryagarha	
2.Ravi Kumar	Vill; Kundar, Block- Chanan	6205347953
3.Shiv Kumar Sharma	Vill- Tarhari ,Block-Halsi	9661659375
Onion Grower		
1.Laxman Mahto	Vill-Dhira, Block- Halsi	9973408711
2.Dinesh Mahto	Vill- Gaura, Block- Halsi	8809565798
Dairy farming		
1.RamDinesh Sharma	Vill-Dhanama, Block- Halsi	9973463263
2.Bhushan Yadav	Vill-Bijulkhi, Block- Halsi	8084132913
3.Bharat Bhushan	Vill- Rata, Block- Halsi	9931047604
4.Bhola yadav	Vill- Lahuara, Block-Halsi	9931972178
5.Sakhindra yadav	Vill- Bijulkhi, Block-Halsi	8969122242
Plant Nursery		
1.Ranjeet Kumar	Vill+P.O-Lakhisarai	8789387536
Vegetable Grower		
1.Shivnandan Mahto	Vill- Raghunandanbigha, Block- Halsi	9199615002
2.Bishndev Mahto	Vill-Raghunandanbigha, Block- Halsi	8538922063
Vermicompost		
1. Nazir Baig (A B Vermicompost)	Vill- Oraiya, Block- Halsi	7643910047
2.Manoj Kumar Singh	Vill- Sethna, Block- Halsi	9576180242
3. Kumar Sudhakar (Kumar Agro Vermicompost)	Vill- Bandole, Block- Halsi	7294045363

23. Capacity building of KVK Staff / Trainers:

- a. Number of staff trained:
- b. Area of training:
- c. Utilization of updated knowledge:
- d. Number of Workshops / Seminars attended:

24. Linkage establishment with other Govt. Department / NGOs

S.No	Name of organization	Nature of linkage
1.	District Agril. Department	Training of Extension functionaries
2.	Fertilizer Agencies IFFCO	Training and Demonstration
3.	IARI, Pusa	Demonstration on Cereal oilseeds and Pulses
4.	IIPR, Kanpur	Demonstration on Pulses
5.	NABARD	Formation of kisan club & Imparting Training
6.	ATMA, Lakhisarai	Training and Demonstration
7.	NHM	Vegetable Seed Production and Nursery Plants.
8.	Nalanda College of Hort., Noorsarai	Training and Demonstration
9.	Jeevika, Lakhisarai	Training and Demonstration
10.	NIAM., Jaipur	Training and Marketing
11.	BSDM, Bihar	Skill Development Training
12.	CSISA (CYMMIT)	Expansion of zero tillage area, ODK Survey, Trial
13.	NIPCCD, New Delhi	Training of elected women representative of Panchyati Raj
14.	PPVFRA, New Delhi	Training and plant variety protection
15.	Bihar Agricultural Management Extension Training Institute (BAMETI), Patna	Technical feedback, Human Resource development transfer of technology.
16.	ICDS Lakhisarai	Training of AWCs functionaries
17.	Department of Biotechnology(DBT), Gov. of India	Bio Tech Kisan HUB project for expansion of Lathyrus

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
INCOME	0.46	4.03	14.78	18.57	23.65	36.98	35.42	20.70	154.61
EXPENDITURE	2.51	4.33	9.04	11.82	13.37	21.13	16.74	13.85	92.79
BALANCE	-2.05	-0.30	5.74	6.75	10.28	15.85	18.68	6.86	61.82

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

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
Rent				4,000.0	6,300.0		80,800.0	58,000.0	149,100.00
Kisan Diray								170.00	170.00
TOTAL	-	-	-	4,000.0	6,300.0	-	80,800.0	57,830.0	148,930.00

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
<u>Paddy:</u> a.Panna mahsuri(check) b.Abhishek c.Sahbhagi	2013-14	Paddy variety Abhishek was found higher yield(45.0qt/ha) with maturity 115-120days.
<u>Paddy:</u> a.MTU 7029 –Ganga kaveri(check) b.Sabour Shree c.MTU-7029	2015-16	Paddy variety Sabour shree was found higher yield(63.0qt/ha) than other compared variety.
<u>Lentil</u> a.Tittki mashur(Check) b.IPL-406 c.Shiwalik d.Arun	2015-16	Lentil variety IPL-406 showed higher yield (13.0 qt./ha) than other variety.

<u>Gram</u> a.Sabour chana-1 b.GCP-105 c.PG-186	2017-18	Gram variety GCP-105 showed higher yield (21.0 qt./ha) than other variety
<u>Green gram</u> a.HUM-16 b.PDM-139 c.TMB-37	2016-17	Green gram variety HUM-16 showed highest yield (16.0 qt./ha) than other variety
<u>Potato</u> a. K.Kanchan b. K.Pukhraj c.Chipsona Potato-4	2012-13	Potato Variety K.Pokhraj showed highest yield (400.0 qt./ha) than other Variety.
<u>Potato</u> a.K.Pukhraj b.K.Kanchan c.K.Ashoka	2014-15	Potato Variety K.Pokhraj showed highest yield (350.0 qt./ha) than other cultivar
<u>Potato</u> a.K.Pukhraj b.K.Kanchan c.K.Lalit	2015-16	Potato Variety K.Pokhraj showed highest yield (350.0 qt./ha) than other cultivar
<u>Potato</u> a. Bengal Jyoti (Check) b. K.Pukhraj c.K. Sinduri d.K.Khayati	2016-17	Potato Variety K.Khayati showed highest yield (375.0 qt./ha) than other Variety
<u>Onion</u> a.Belaurya (Check) b. Agrifound Light red c. NHRDF-Red 3	2017-18	Onion Variety NHRDF Red-3 showed highest yield (340.3 qt./ha) than other Variety
<u>Brinjal</u> a.Local b.Pusa hybrid-9 c.Pusa hybrid-6	2016-17	Brinjal Variety Pusa hybrid-9 showed highest yield (520.0 qt./ha) than other Variety
<u>Vegetable Pea</u> a.Local b.Kashi Uday c.Azad Pea-3	2016-17	Vegetable pea Variety Azad Pea-3 showed highest yield (81.8 qt./ha) than other Variety

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

a) Crop 1 : Pigeonpea var. Narendra Arhar-1

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar no.
Anil Kumar	Vindeshwari Prasad Mahto	Medani Chauki	Surayagarha	7870337721	501627279032
Praveen Kumar	Rameshwar prasad	Amarpur	Surayagarha	8409399647	438606200266
Manoj Kumar	Ramephwao Mahto	Amarpur	Surayagarha	8521827799	384388969802
Mintu Devi	Vishanudev Saw	Amarpur	Surayagarha	9709320392	891144793542
Runa Devi	Shobhan Mahto	Amarpur	Surayagarha	7258036851	201465556061
Meena Devi	Ladu Mahto	Amarpur	Surayagarha		
Sudama Devi	Padma Nand Mahto	Bansipur	Surayagarha	8789567124	567882906966
Suresh Yadav	Higan Yadav	Amarpur	Surayagarha	9801041555	402824916521
Shankar Mahto	Budho Mahto	Bansipur	Surayagarha	9801891568	776379202507
Om Kumar	Dukha Mahto	Amarpur	Surayagarha	9504704389	304585040352
Uday Mandal	Umesh Mandal	Amarpur	Surayagarha	9162266142	579992898459
Gopal Mandal	Daroga Mandal	Bansipur	Surayagarha	9661243219	368057753536
Bimla Devi	Chaupan Mahto	Bansipur	Surayagarha	9097406271	287636099239
Om Kumar	Late Shri Prasad Mahto	Amarpur	Surayagarha		
Uma Devi	Titu Mahto	Amarpur	Surayagarha	9931289512	341959351822
Vivekanand	Anjani Kumar Singh	Amarpur	Surayagarha	7739719228	447254840159
Mahadev Saw	Bateshear Saw	Amarpur	Surayagarha	7280883051	973073819210
Shanti Devi	Prakash Mahto	Bansipur	Surayagarha	9128373393	439466894296
Ganesh Mahto	Budho Mahto	Bansipur	Surayagarha	8877542901	708021865823
Vibha Devi	Subodh Sah	Amarpur	Surayagarha	8405486155	523450140290
Ashok Mahto	Narayan Mahto	Amarpur	Surayagarha	9955502720	70828124527
Radhe Mahto	Rambhaju Mahto	Amarpur	Surayagarha		960724237196
Salesh Kumar	Ashok Kumar	Amarpur	Surayagarha	8405890095	946607388843
Pintu Kumar	Late Jay Desh Mahto	Amarpur	Surayagarha	8757302624	458932051940
Dinesh Kumar	Chalan Yada Mahto	Amarpur	Surayagarha	7281030743	
Parmod Kumar	Kailash Mahto	Medani Chauki	Surayagarha	9199614525	807337787278

Bachchan Prasad Matho	Mahadev Mahto	Medani Chauki	Surayagarha	8539950705	239745709382
Dashrath Prasad Matho	Shiv Nath Mahto	Medani Chauki	Lakhisarai	9801780677	792499159541
Aruna Devi	Mathura Mahto	Medani Chauki	Lakhisarai	7274046645	573421781324
Lalita Devi	Umesh Mahto	Medani Chauki	Lakhisarai	8757302685	266028650071
Gaurelal Mahto	Kailash Mahto	Medani Chauki	Lakhisarai	9199225776	505867078405
Rajendra Mahto	Ramji Mahto	Medani Chauki	Lakhisarai	7091621834	602839883997
Arun Kumar Mahto	Prabhu Mahto	Medani Chauki	Lakhisarai	9852717831	242800996046
Ansh Raj	Taneek Mahto	Medani Chauki	Lakhisarai	8227981412	354149879597
Sikandra Mahto	Siyaram Mahto	Bansipur	Lakhisarai	9931250897	514022284201
Kamleswarai Mahto	Suresh Mahto	Medani Chauki	Lakhisarai	9801735868	766186742822
Mukesh Prasad Singh	Ramtahal Mahto	Medani Chauki	Lakhisarai	9934425051	405085408463
Sikandra Mahto	Ram Prasad mahto	Bansipur	Lakhisarai	7870682814	253255366325
Adalat Mahto	Genauri Mahto	Medani Chauki	Lakhisarai	9531178151	585817381035
Brahmadev Mahto	Ram Prasad mahto	Medani Chauki	Lakhisarai	8789529136	645350425356
Wakil kumar	Bishundev Mahto	Medani Chauki	Lakhisarai	9931201133	642554354540
Vindeshwari Mahto	Ramji Mahto	Medani Chauki	Lakhisarai	8002021767	444738446145
Vijay Mahto	Kailash Mahto	Medani Chauki	Lakhisarai	9199614525	633590828124
Shambhu Kumar	Bindeshwari Mandal	Rasoolpur	Lakhisarai	7004230221	628737552964
Hari Kishan Prasad Verma	Dinesh Prasad Verma	Bansipur	Lakhisarai	8271295339	349203925624
Sanjiy Kumar Singh	Chandra deo Singh	Medani Chauki	Lakhisarai	8862823020	213336056532
Mina Devi	Saty Narayaan Mahto	Amarpur	Lakhisarai	9931035612	339553270628
Jageshwar Mahto	Bhagirath Mahto	Medani Chauki	Lakhisarai	9931891778	668052872445
Uma Shankar Sharma	Ganga Vishnu Sharma	Medani Chauki	Lakhisarai	8405875972	882240560875
Baleshwar Mahto	Bhagirath Mahto	Medani Chauki	Lakhisarai	9097437827	695298986500

a) Crop2 – Chickpea Var. PG-186 (C/S)

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar
Kanhaiya Kumar	Ravindra Singh	Balipur	Pipariya	8051145963	240148145704
Sri Singh	Ramdeo Singh	Balipur	Pipariya	9534970891	
Badri Saw	Phulan Saw	Hakimgang	Lakhisarai	9955517030	769006556158
Shyam Chandra Singh	Nageshwar Singh	Garhi Bishanpur	Lakhisarai	9939396120	530299766195
Ramnaresh Singh	Geeta Singh	Lalidiyara	Barhiya		444305295086
Sagar Singh	Geeta Singh	Lalidiyara	Barhiya	9534924795	427798448997
Rajkumari Devi	Mithilesh Singh	Garhi Bishanpur	Lakhisarai	8051573198	686963507650
Shatrughan Jha	Saran Jha	Lalidiyara	Barhiya		345295258542
Dinesh Singh	Jago singh	Lalidiyara	Barhiya	8298332446	965223453462
Bablu singh	Sakaldeo Singh	Lalidiyara	Barhiya	9708966238	534191259584
Bhola Singh	Harshit singh	Lalidiyara	Barhiya		502448064549
Arun singh	Kailash singh	Lalidiyara	Barhiya	7739001759	749713882151
Manchun singh	Ashok Singh	Lalidiyara	Barhiya	7634082316	672957815534
Ramanand singh	Chand singh	Lalidiyara	Barhiya	7631765211	750177155611
Kajoma Devi	Salo Singh	Lalidiyara	Barhiya		
Jayram singh	Jago singh	Lalidiyara	Barhiya	7631431853	480359739909
Mantun singh	Rameo singh	Lalidiyara	Barhiya	8757335179	430558465158
Rajeev singh	Wakeel singh	Lalidiyara	Barhiya	9552094958	322650840552
Bharath mahato	Sankar mahato	Lalidiyara	Barhiya	9903263795	520904373883
Wakeel singh	Shyamnarayan Singh	Lalidiyara	Barhiya	9534345863	442608792617
Gautam singh	Biltu Sing	Lalidiyara	Barhiya	9006651864	324744018678
Mohan singh	Rambalak Singh	Lalidiyara	Barhiya	7759989145	733313291270
Binod singh	Kailash singh	Lalidiyara	Barhiya	7352684476	355444147413
Gopal kumar	Ashok Singh	Lalidiyara	Barhiya	7295057723	939931726454
Sunil singh	Chand singh	Lalidiyara	Barhiya	8298248169	663251598077
Vikash singh	Anirudh Singh	Lalidiyara	Barhiya	9709591519	595601151295
Bablu singh	Kailash singh	Lalidiyara	Barhiya	6290534032	369045812193
Subodh singh	Kailash singh	Lalidiyara	Barhiya	7320943512	571884712324
Murari singh	Kailash singh	Lalidiyara	Barhiya	7549694791	755210379797
Rintu Das	Sudhir singh	Lalidiyara	Barhiya	8651312349	695374631395

Suresh Yadav	Rajendra Yadav	Garhi Bishanpur	Lakhisarai	6203046088	811212712566
Murari Yadav	Rajendra Yadav	Garhi Bishanpur	Lakhisarai	8405092635	965387518474
Dharmendra Singh	Mathura Singh	Garhi Bishanpur	Lakhisarai	7576730019	
Krishna Yadav	Alakh Yadav	Garhi Bishanpur	Lakhisarai	9931649135	962639577587
Jitendra Yadav	Alakh Yadav	Garhi Bishanpur	Lakhisarai	7480815894	880569824740
Shyam Yadav	Jaddu Das	Garhi Bishanpur	Lakhisarai	7479848471	569434645155
Harichandra Yadav	Lali Das	Garhi Bishanpur	Lakhisarai	9801317651	343094017481
Manoj Kumar Yadav	Kedar Yadav	Garhi Bishanpur	Lakhisarai	7979863870	289131816335
Binod Kumar	Baidnath Pd. Yadav	Garhi Bishanpur	Lakhisarai	9931642716	568623953858
Gayanand Yadav	Hardav Yadav	Garhi Bishanpur	Lakhisarai	8434932193	845465229392
Bhagirath yadav	Rameshwar Yadav	Garhi Bishanpur	Lakhisarai	8083877953	717566007131
Bikash Kumar Singh	Arvind Kr. Singh	Garhi Bishanpur	Lakhisarai	8802345978	305978566340
Nawal Singh	Sidheshwar Pd. Singh	Garhi Bishanpur	Lakhisarai	7488373033	584120555909
Santu Yadav	Muneshwar Yadav	Garhi Bishanpur	Lakhisarai	6206503125	614313176104
Amlesh Yadav	Jamuna Yadav	Garhi Bishanpur	Lakhisarai	9771053961	493824266351
Pankaj Kumar	Umesh Singh	Garhi Bishanpur	Lakhisarai	8809283607	967801849220
Rajnish kumar	Mithlesh Singh	Garhi Bishanpur	Lakhisarai		550286955403
Shivnandan Yadav	Dharmendra Yadav	Garhi Bishanpur	Lakhisarai	9771363561	374261423808
Lalan Mistri	Kailash Mistri	Hakimgang	Lakhisarai	7764045354	802039671874
Lilo Yadav	Ramchandra Yadav	Garhi Bishanpur	Lakhisarai	7480832285	474438582419

(c) Crop 3- Lentil Var. HUL-57

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar
Sardar singh	Radhakrisan singh	patner	Lakhisarai	7274090009	275441226693
Jitendar singh	Terbeni singh	patner	Lakhisarai	8877599636	793042339944

Resha devi	Bhuneshwar singh	patner	Lakhisarai	6201753224	618799067060
Sanjay kumar singh	Jintendar singhh	patner	Lakhisarai	7366993378	998954249739
Raju kumar	Jintendar singhh	patner	Lakhisarai	8877777803	675035365739
Rubi kumari	Sardar singh	patner	Lakhisarai	8409437485	550274398418
Ashok yadav	Mathura yadav	patner	Lakhisarai	9546167758	753316761796
Bipul kumar singh	Muralidhar singh	patner	Lakhisarai		519015938536
Murlidhar singh	Radhuvansh singh	patner	Lakhisarai	9162099903	641429048245
Makeshar Rajak	Bangali rajak	patner	Lakhisarai		764488629969
Ajay rajak	Makeshar rajak	patner	Lakhisarai		688554103831
Rajanidhar singh	Raghubans parsad singh	patner	Lakhisarai		592739860740
Kiran devi	Kapoildev parsad singh	patner	Lakhisarai		910366242583
Piyariya devi	Karid manjhi	patner	Lakhisarai		958008262994
Parkash rajak	Dhaneshavar rajak	patner	Lakhisarai		468254345552
Sanjay manjhi	Karib manjhi	patner	Lakhisarai		463454940204
Arjun ravidas	Somar ravidas	patner	Lakhisarai		513052762538
Mina devi	Dina rajak	patner	Lakhisarai		663992907429
Shila devi	Upendra manjhi	patner	Lakhisarai		720269651332
Shri mati Priyam devi	Dharnidhar singh	patner	Lakhisarai		684895892227
Lalita devi	Rambahadur singh	patner	Lakhisarai		
Rambahadur singh	Jhalu singh	patner	Lakhisarai		
Dharnidhar Singh	Raghubans Singh	patner	Lakhisarai		682237818339
Nirmala devi	Rameshwar Singh	patner	Lakhisarai		452412518226
Madhu Kumari	Sanjay Kumar Singh	patner	Lakhisarai		269245115199
Subodh Yadav	Baudhu Yadav	Garhi	Lakhisarai	7020608491	296709576307

		Bishanpur			
Bindeshwari Yadav	Baudhu Yadav	Garhi Bishanpur	Lakhisarai	8084068490	391238439594
Pawan Yadav	Kader Yadav	Garhi Bishanpur	Lakhisarai	8298951059	783898287428
Laxman Kumar	Ganga Yadav	Garhi Bishanpur	Lakhisarai	8757034483	852937125765
Manoj Kumar Yadav	Kedarnath Yadav	Garhi Bishanpur	Lakhisarai		289131816335
Suresh Yadav	Rajendra Yadav	Garhi Bishanpur	Lakhisarai	6203046088	811212712566
Murari Yadav	Rajendra Yadav	Garhi Bishanpur	Lakhisarai	8405092635	965387518474
Harichandra Yadav	Lali Das	Garhi Bishanpur	Lakhisarai	9801317651	343094017481
Jitendra Yadav	Alakh Yadav	Garhi Bishanpur	Lakhisarai	7480815894	880569824540
Shyam Yadav	Jadu Das	Garhi Bishanpur	Lakhisarai	7479848471	569434645155
Gopal Kumar	Aravind Singh	Baghaur	Lakhisarai		366608312139
Amaresh Kumar	Aravind Singh	Baghaur	Lakhisarai		963793127260
Harikant Kumar	Pankaj Sharma	Baghaur	Lakhisarai		841494018082
Sanjeet Mandal	Sita Ram Raut	Baghaur	Lakhisarai		947216093792
Avinash Kumar	Ashok Singh	Baghaur	Lakhisarai		240003947487
Rajnish kumar	Sri Mithlesh Singh	Garhi Bishanpur	Lakhisarai	7903989453	550286955403
Raj Kumari Devi	Mithlesh Singh	Garhi Bishanpur	Lakhisarai		686963507650
Mithlesh Singh	BadriNaryan Singh	Garhi Bishanpur	Lakhisarai	9852261426	904899884207
Kirshna Yadav	Alakh Yadav	Garhi Bishanpur	Lakhisarai	9931649135	962639577587
Dharmendra Singh	Mathura yadav	Garhi Bishanpur	Lakhisarai	9576730019	907355220150
Sibnandan Yadav	Dhameshwar Yadav	Garhi Bishanpur	Lakhisarai	9771363561	374261423808

Gayanand Yadav	Sri Hardev Yadav	Garhi Bishanpur	Lakhisarai	8434932193	845465229332
Rajesh Kumar	Ramdhara Singh	Rampur	Lakhisarai	9097356630	763474993820
Rajeev Kumar	Bhushan Singh	Rampur	Lakhisarai	9155144703	781535819379
Swet Kumar Deepak	Arun Kumar Singh	Rampur	Lakhisarai	8083303244	262053675416
Pramod Singh	Aanandi Singh	Rampur	Lakhisarai	8804485295	212965914784
Paramhans Kumar	Ravindra Prasad	Rampur	Lakhisarai	9931812547	694401801098
Abhimanyu Kumar	Ram Padarath Singh	Rampur	Lakhisarai	8207526164	696861644621
Vaski Singh	Kitar Singh	Rampur	Lakhisarai	7294194461	912513908471
Ramlakhan Singh	Natho Singh	Rampur	Lakhisarai	6200809289	827269851762
Ajay Singh	Ramashray Singh	Rampur	Lakhisarai	8083767337	609342749966
Arvind Kumar	Suresh Singh	Rampur	Lakhisarai	7549954114	420213178946
Punam Kumari	Gopal Kumar	Baghaur	Lakhisarai		259967903819
Pravin Singh	Shankar Singh	Baghaur	Lakhisarai		
Shankar Singh	Ayodhya Singh	Baghaur	Lakhisarai		
Subodh Kumar Singh	Murari Prasad Singh	Barhiya	Lakhisarai		817644553469
Somar Mahto	Uchit Mahto	Tartar, Ward No. 02	Lakhisarai		993397650566
Manna Manjhi	Rambalak Manjhi	Ward No 01	Lakhisarai		896266156314
Shivavtar Singh	Ramkhelavn Singh	Ward No 01	Lakhisarai		629624062428
Abadhesh Singh	Hitank Singh	Ward No 01	Lakhisarai		877157439609
Mukesh Kumar	Ramanuj Singh	Ward No 04	Lakhisarai		544841232615
Balram Kumar	Sanjay Kumar Singh	Ward No o1	Lakhisarai		535108920364
Sanjay Kumar	Radhekrishana Singh	Ward No o1	Lakhisarai		547019832131
Kanhaiya Kumar	Parmanand Singh	Ward No o1	Lakhisarai		744151048271

Parmanand Singh	Tanik Singh	Ward No o1	Lakhisarai		606207414983
Ramnaryan Singh	Harikant Singh	Ward No o1	Lakhisarai		966698782048
Dinesh Singh	Ambika Singh	Ward No o1	Lakhisarai		851539778489
Bishal Kumar	Dinesh Singh	Ward No o1	Lakhisarai		802673424188
Samparbhu Kumar	Rambalak Singh	Ward No o1	Lakhisarai		278599483057
Subash Kumar	Shambhu Kumar	Ward No o1	Lakhisarai		424858335828

d) Crop4 – Rapeseed & Mustard (Rai) Var. Rajendra Suflam

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar
Aasho devi	Sogi yadav	mahulia mananpur	chanan	7250660781	408753594075
Mina devi	Suresh Manjhi	Sangrampur	chanan	9525681645	746229511072
Shanti devi	Ramashrya yadav	Sangrampur	chanan	7488750146	265912289516
Rupa devi	sanjay mahato	Sangrampur	chanan		491107166281
Sanjay mahato	Ramachandra mahato	Sangrampur	chanan	7563909740	354427105349
Marani devi	Ramchandra mahato	Sangrampur	chanan		973422240086
Nibha devi	Dilipe kumar	Sangrampur	chanan	8757154389	775850593041
Mahendra mahato	Lalo mahato	Sangrampur	chanan	7352529449	775850593041
Kamleshwari mahato	Maanha mahato	Sangrampur	chanan	7903550969	451784550094
Brhamdev yadav	Kashi yadav	Sangrampur	chanan	7322964104	335216070768
Dinesh yadav	Brahamdev yadav	Sangrampur	chanan	7277448433	318308571378
Rajendra yadav	Saryug yadav	Sangrampur	chanan	9534650305	561336919474
Abnatika devi	Sato yadav	Sangrampur	chanan	7366056647	409437693643
Ganga saw	Musho saw	Sangrampur	chanan	7369894088	930230479589
Shivnandan mahato	Rameshwar mahato	Sangrampur	chanan	8804856634	329664050609
Dulari devi	Govind mistri	Sangrampur	chanan		702657496976
Munni devi	Subelal mahato	Sangrampur	chanan		986376199039
Jaykishor mandal	Chamru mandal	Sangrampur	chanan	8340691981	301474726956
Krishna mandal	Chamru mandal	Sangrampur	chanan	8340631981	304456574444

Dulari devi	Ganesh saw	Sangrampur	chanan	8804765525	601298528175
Krishna devi	Sadanad yadav	Sangrampur	chanan	8677096705	322586474923
Mantu yadav	Mahavir yadav	Sangrampur	chanan		845505128851
Ravindra yadav	Mahavir yadav	Sangrampur	chanan	9117911944	204836575916
Adarash	Brajesh ravat	Sangrampur	chanan		284889427547
Shyamsundar yadav	Saryug yadav	Sangrampur	chanan	6201683152	909450075192
Indradeo mahato	Khago mahato	Sangrampur	chanan		587197983492
Ashok kumar mandal	Bharat mandal	Sangrampur	chanan		238562725984
Niraj kumar	Tarni mandal	Sangrampur	chanan		502738453364
Saurabh suman	Ramchandra sharma	Sangrampur	chanan		682300608573
Ranjeet kumar	Pajho mahato	Sangrampur	chanan		298168130583
Ramavilas mahato	Ishwar mahato	Sangrampur	chanan		566263034707
Shankar mandal	Mishri mandal	Sangrampur	chanan	8651690530	604555156133
Jaiprakash kumar	Rajo yadav	Sangrampur	chanan	6299624965	852286117572
Umesh kumar	Ramavatar mahato	Sangrampur	chanan	9534551555	423611929707
Shankar bhagwar	Santlal mahato	Sangrampur	chanan	7654242597	665290449639
Kanhay yadav	Rameshwar yadav	Sangrampur	chanan	5162413535	268591563148
Shivkumar mahato	Prameshwar mahato	Sangrampur	chanan	7492085917	240750596249
Jayram mahato	Jagdev mahato	Sangrampur	chanan	7250832875	554135208353
Arun mahato	Yogi mahato	Sangrampur	chanan	6205694646	770469551363
Mahesh mahato	Santlal mahato	Sangrampur	chanan	9128908027	987751140081
Shovha devi	Ganesh mahato	Sangrampur	chanan	8210478383	798138602390
Umesh kumar	Santlal mahato	Sangrampur	chanan	8581199542	688869530752
Lalan mahato	Ramchandra mahato	Sangrampur	chanan	9877522463	641720036876
Gopal mahato	Baleshwar mahato	Sangrampur	chanan	9546489597	797404509020
Sanjay mahato	Ganeshi mahato	Sangrampur	chanan	9525904023	755060881226
Ganauri mahato	Maheshwari mahato	Sangrampur	chanan	7352073791	723737667261
Sufal mahato	Basudev mahato	Sangrampur	chanan	7070589416	539502810524
Gopal mahato	Kapildev mahato	Sangrampur	chanan	9708425036	896555738099
Sadanand mahato	Kapildev mahato	Sangrampur	chanan	7631586804	282073389048
Shyamsundar yadav	Saryug yadav	Sangrampur	chanan	6201683152	909450075192
Shankar yadav	Saryug yadav	Sangrampur	chanan	9631046369	447237546473
Mantu mahato	Parameshwar mahato	Sangrampur	chanan	8757315427	495355641166

Ashok mahato	Parameshavar mahato	Sangrampur	chanan	8969808984	539718407990
Nilam devi	Sitaram mahato	Sangrampur	chanan	8226871939	777233461853
Brahmdev mahato	Dhanik mahato	Sangrampur	chanan	8709572841	392072895663
Ashok mahato	Rajendra mahato	Sangrampur	chanan	6206533281	224361772601
Krishna mahato	Ramkhelavan Mahato	Sangrampur	chanan	8757313743	581876554411
Rajkumar mandal	Ganga mandal	Sangrampur	chanan	9065986722	536113044919
Shravan yadav	Saryug yadav	Sangrampur	chanan	9771072729	634353764174
Ramesh mahato	Rajendra mahato	Sangrampur	chanan	7352529449	666135447548
Gendhari yadav	Lakhan yadav	Sangrampur	chanan	9128923844	771853551638
Ajay yadav	Mohan yadav	Sangrampur	chanan	8002112301	219390630367
Nageshwar mahato	Manha mahato	Sangrampur	chanan	7079679232	429849314505
Suraj kumar	Shivnandan mandal	Sangrampur	chanan	6206415916	734601069824
Dhiraj kumar	Shivnandan mahato	Sangrampur	chanan	9135654119	815776383248
Mithun kumar	Hareram mandal	Sangrampur	chanan	7631750871	604099551578
Kedar yadav	Koyala yadav	Sangrampur	chanan	8789410824	419895267735
Ramji mahato	Jageshwar mahato	Sangrampur	chanan	9006199621	962975908967
Suchi yadav	Brahamdev prasad yadav	Sangrampur	chanan		754028420951
Vimal kumar yadav	Brahamdev yadav	Sangrampur	chanan		220972349483
Surendra yadav	Brahmadev yadav	Sangrampur	chanan	8228805215	846117093484
Kamleshwari mahato	Harihar mahato	Sangrampur	chanan	8651576288	292437498908
Guruchran Mahato	Bulena Mahato	Sangrampur	chanan	7979721506	386546500174
Sanjay mandal	Manadev mandal	Sangrampur	chanan	8340138467	951300355897
Vinod kumar	Triloki yadav	Sangrampur	chanan	6201003842	738170050847

e) Crop 5 – Green Gram Var. HUM-16

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar
Anandi Prasad Singh	Late Parmeshwar Singh	Ramnagar (Bartara)	Ramgarh Chowk		362955994855
Rajan	Chunchun Kumar	Ramnagar (Bartara)	Ramgarh Chowk		629486716976
Chunchun Kumar	Anandi Pd. Singh	Ramnagar (Bartara)	Ramgarh Chowk		481457990045

Sushila Devi	Anandi Pd. Singh	Ramnagar (Bartara)	Ramgarh Chowk		647556885434
Bishundev Yadav	Yugal yadav	Raghunandan Bigha	Halsi		760519065308
Sunil Kumar	Sitaram Yadav	Raghunandan Bigha	Halsi		920332856930
Bhola Yadav	Baiju Yadav	Raghunandan Bigha	Halsi		412188894847
Karu Yadav	Yugal yadav	Raghunandan Bigha	Halsi		744771381071
Uchit Mahto	Chandrika Mahto	Raghunandan Bigha	Halsi		986937891829
Dinesh Kumar	Lakhan Mahto	Gaura	Halsi		833532063815
Uday Kumar	Bharath Mahto	Gaura	Halsi		657141794151
Shivnandan Mahto	Prakash Mahto	Gaura	Halsi		518109033494
Nand Kishor Prasad	Narmadeshwar Prasad	Gaura	Halsi		306999047675
Anandi Mahto	Baijnath Mahto	Gaura	Halsi		607381088031
Krishnadev Mahto	Jayram Mahto	Gaura	Halsi		945335275736
Sunil Chouhan	Haro Chouhan	Agat	Halsi		879452694851
Kaleshwar Prasad	Ramnarayan Prasad	Agat	Halsi		572551167752
Bhola Kumar	late Bandhu Modi	Bijulkhi	Halsi		931824796881
Ajay Kumar	Triloki Yadav	Shirkhindi	Halsi		426673922287
Ajad Kumar	Triloki Yadav	Shirkhindi	Halsi		
Shekhar Kuumar	Triloki Yadav	Shirkhindi	Halsi		
Triloki Yadav	Late Ojha Yadav	Shirkhindi	Halsi		
Meena Ray	Ajay Kumar	Shirkhindi	Halsi		
Mithilesh Singh	late Badri Narayan Singh	Garhibishanpur	Lakhisarai		904899844207
Sachchidanand Yadav	Chandrashekhar Yadav	Bijulkhi	Halsi		715278162505
Sanjay Kumar Yadav	Chandrashekhar Yadav	Bijulkhi	Halsi		328242459184
Ranjeet Kumar	Chando yadav	Bijulkhi	Halsi		368537139511
Sakindar Pd. Yadav	Chando yadav	Bijulkhi	Halsi		260231633578
Chando Yadav	Late Karu Yadav	Bijulkhi	Halsi		865538227980
Bhushan Pd. Yadav	Dhobi Yadav	Bijulkhi	Halsi		276287550658
Geeta Devi	Bhushan Yadav	Bijulkhi	Halsi		745729362269
Satyadev Suman	Late Ramavatar Das	Konag	Halsi		791428064619
Rampravesh	Late lato yadav	Bijulkhi	Halsi		700689464945

Kumar					
Sanju Kumari	Rana Vishwa Pratap	Bijulkhi	Halsi		560539555709
Upendra Yadav	Chhotelal Yadav	Bijulkhi	Halsi		832328971093
Raviranjan Kumar	Kedar yadav	Bijulkhi	Halsi	7484963492	591555609650
Sanjay Singh	Jwala Singh	Garhibishanpur	Lakhisarai	7563901317	867817433725
Abhay Singh	Ramanand Singh	Garhibishanpur	Lakhisarai	8210060863	479680675655
Arbind Singh	Vikash Kumar	Garhibishanpur	Lakhisarai	8802345978	305978566340
Nawal singh	Sidheshwar Singh	Garhibishanpur	Lakhisarai	7488373033	584120555909
Dhirendra Singh	Awadh Kishor Singh	Garhibishanpur	Lakhisarai	9504100371	886427983363
Sunita Devi	Gayanand Yadav	Garhibishanpur	Lakhisarai	8434932193	566438543165
Sukul singh	Lakshmi Singh	Garhibishanpur	Lakhisarai	8521075763	270863007899
Ashutosh Singh	Shyamanand Singh	Garhibishanpur	Lakhisarai		552127236954
Baidhnath Yadav	Sukhdev Yadav	Garhibishanpur	Lakhisarai	9031875416	522778766892
Madhav Singh	Sunil Singh	Garhibishanpur	Lakhisarai	7462082202	895913519825
Bhagirath Yadav	Rameshwar Yadav	Garhibishanpur	Lakhisarai	8083877953	717566007131
Manoj Kumar	Kedar yadav	Garhibishanpur	Lakhisarai	9430088178	289131816335
Santu Yadav	Muneshwar Yadav	Garhibishanpur	Lakhisarai	6206503125	614316176104
Lili Yadav	Ramchandra Yadav	Garhibishanpur	Lakhisarai		474438582419

f) Crop 6 – Rapeseed & Mustard (Rai) Var. Rajenra Suflam

Name of farmer	Father's name	Village	Block	Mobile No.	Adhar
Bajirow Singham	Bindeshwari Row	Bhanpura	Halsi	9431663629	641364481203
Menka Kumari	Parshuram Singh	Halsi	Halsi		890688450183
Indu Devi	Sanni Kumar	Halsi	Halsi		976175559415
Madhuri Devi	Anil Singh	Halsi	Halsi		335499511894
Sanju Devi	Kundan Kumar	Halsi	Halsi		680962263444
Manti Devi	Parshuram Singh	Halsi	Halsi		522455135436
Sanjay Kumar	Late Badho Yadav	Kanaili	Halsi	8651176674	665213288226
Ram Prasad Yadav	Late Mohit Yadav	Kanaili	Halsi	8084556889	640103562024
Naresh Ram	Late Rasho Ram	Kanaili	Halsi	7091816045	724001161462
Kavita Devi	Pankaj Kumar	Halsi	Halsi		639057240547
Chandan Kumar	Vijay Kumar	Halsi	Halsi		943425255145

Kunadn Kumar	Vijay Singh	Halsi	Halsi		813683916289
Nunu Lal Singh	Rameshwar Singh	Halsi	Halsi		321338663629
Sangita Kumari	Sanjay Kumar	Kanaili	Halsi	8651176674	579622167237
Bharat Yadav	Late Mathura Yadav	Kanaili	Halsi	8757352666	858722943354
Baldev Yadav	Late Lilku yadav	Kanaili	Halsi		588504403659
Kanhaiya Prasad Yadav	Ram Prasad Yadav	Kanaili	Halsi	7258065480	421285032509
Puja Kumari	Sitaram Yadav	Kanaili	Halsi		966512822062
Arun Kumar	Late Saryug Ram	Kanaili	Halsi	9931769175	744712949656
Rampravesh Kumar	Mishri Yadav	Kanaili	Halsi	9504922821	874397484333
Pradeep Kumar	Dasho Prasad Yadav	Kanaili	Halsi	8083128835	441810580794

29. Name 3 / 4 technologies (or more) that have created impact in sizable areas & made KVK credible Technology identified and implemented for enhancing production and productivity of crops in the region/district

Technology recommended	Impact of technology	Area expansion of refined technology	Feedback of Farmers
1.Zero-tillage technology of wheat	The acreage under wheat cultivation in the district Lakhisarai is to the tune of 26,000 ha. The KVK has succeeded in achieving the resource conservations technology in the district with collaboration with CSISA and cultivating wheat by Zero- tillage Machine is about 450 ha in 2010. Further area expanded under this technology is 5800 hectare in 2018-19 as because the Farmers are highly influenced with the result of this technology by saving both time and money	Area has expanded upto 5800 ha in year 2018-19 by zero tillage in wheat in different village viz. Chandanpura, Lai, Fatehpur, Bijulakhi, Tarhari, Matashi, Pursunda, sethna, Halsi , Aure, Parsama ,Bhanpura etc.	Farmers of this area adopted this technology and expanded in nearby villages and neighbours
2.Direct Seeded Rice (DSR)	Lakhisarai district has an area under paddy cultivation is 31680 ha with the continuous efforts of K.V.K. in bringing the technology of Direct seeded Rice (DSR) through training and Front Line Demonstration (FLD) under CSISA project. A group of farmers adopted this technology in different village and involved in DSR by seeing the result of this technology. About 1500 farmers have adopted approximately > 2000 hectare land of total paddy cultivated land in 2018-19.	DSR technology has been gaining importance in rice cultivation in place of transplanting rice. The area under DSR technology has been spread nearly about more than 2000 ha in different villages like-Pursanda, Sethna, Ramnagar, Bartara, Ramnagar (Chanan), Garhi Bishanpur, Chandanpura and Lai in Lakhisarai district.	Farmers of this area adopted DSR technology and expanded in nearby villages and neighbours
3. Promotion of late sown wheat variety HI-1563 and HD-2985	The area under lakhisarai district is mostly covered by the late sown variety of wheat due to late	Area under late sown wheat variety in district is about 8000 ha. The area	Farmers are getting more yield and profit

variety in Lakhisarai	harvesting of paddy crop. Most of farmers are using traditional late sown variety like Lok-1 and other locally available seed. Use of late sown variety HI 1563, HD 2985, results into 20-25% yield increment of wheat in comparison to farmer's variety (Lok-1).	under wheat variety HI 1563 and HD 2985 has been expanded about 3000 ha in different villages of Halsi, Ramgarh, Lakhisarai & Chanan block	by adopting this variety
4. Pulses Seed production through participatory approach Under seed Hub Programme	Previously farmers were not practicing seed production technique and limited to grain production only. Later on introduction of seed hub project area under seed production of lentil, chickpea and green gram was 34 ha in year 2016-17 and expanded quality seed up to 500 ha area in Lakhisarai and adjoining districts.	Finally in current year 2018-19 we are producing pulse seed in 74 ha through participatory mode under seed hub project and quality seed expanded up to 1000 ha area and pulse seed production will likely increase in coming years.	farmers are enthusiastic and getting more income from seed production in comparison to grain production
5.Replacement of long duration paddy variety MTU-7029 by Medium duration fine variety Rajendra Sweta	Most of farmers of Lakhisarai District are growing long duration paddy variety MTU-7029 more than 20 years for higher yield but due to unpredictable change in climatic condition, now a day there is great need and demand of more profitable and medium duration paddy variety. So KVK promoted R. Sweta, a medium duration fine variety through OFT followed by FLD.	Farmers adopted R. Sweta paddy variety and area expanded approx. 2200 ha in Lakhisarai district	Now farmers are getting enough time for next rabi crops with 15-20% more net profit and no major disease& pest problem was recorded.

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

NA

31. New Initiative, if any

- 6 ARS NAARM Hyderabad Trained (Field experience Training of 21 days has been conducted from 8 Aug 2015 to 28 Aug 2015.
- Organising **Kisan chaupal** programme on every Saturday in pre decided villages to solve concurrent problem of farmer's related to agriculture and allied activities and providing information regarding upcoming seasons.
- Training of farmers through **Video conferencing** at KVK Lakhisarai directly from experts of BAU Sabour
- Promotion of **Integrated Farming System** for doubling farmers income
- Dissemination of information related to agriculture and allied activities through **Kisan Gyan Rath**
- HDP of Guava and Mango
- **Progeny Nursery**- To fulfill the requirement of planting material for farmers
- **SEED HUB**- Enhancing the area, productivity and income of farmers through pulses cultivation in farmers participatory seed production programme

- Bio Tech Kisan hub - Promotion of Low BOAA content variety of lathyrus among farmers.
- **Skill Development** training programme under RKVY and BSDM
- Promotion of organic farming in collaboration with Bihar gov. through **jaivik corridor, PKVY (Prampragat Krishi Vikas Yojna)**

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

a) Information on ASCI Skill Development Training Programme, if undertaken during 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
2016-17	Quality Seed Grower	Dr. S.C Choudhary	27-01-2017	18-03-2017	20
	Mushroom Grower	Dr. Renu Kumari	02-02-2017	24-03-2017	20
2018-19	Quality Seed Grower	Dr. S.C choudhary	28-01-2019	26-02-2019	20
	Mushroom Grower	Dr. U. P Narayan	05-12-2018	03-01-2019	20
	Agriculture Extension Service Provider	Dr. Renu Kumari	01-03-2019	30-03-2019	20

b) Information on Skill Development Training Programme (Bihar Skill Development Mission)

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
2017-18	Mushroom Grower	Dr. Renu Kumari	01-12-2017	17-01-2018	30
	Quality Seed Grower	Dr. S.C Choudhary	01-02-2018	20-03-2018	30
2018-19	Mushroom Grower	Dr. U. P Narayan and Dr. Renu Kumari	30-03-2019	20-05-2019	30

c) Pulse Seed Production under seed hub programme

Year	Crop	Variety	Type of seed	Target(q)	Acheivement(q)
2016-17	Chickpea	PG-186	F/S	300	123.00
	Lentil	HUL-57	F/S	250	98.00
	Green Gram	HUM-16	F/S	-	34.14
2017-18	Chickpea	PG-186	C/S	500	228.62
	Lentil	HUL-57	C/S	300	60.8
2018-19	Chick pea	GCP-105	C/S	650	146.95
		GCP-105	F/S		108.26
		PG-186	F/S		127.21
	Lentil	HUL-57	C/S	350	317.06

d) Bio Tech Kisan Seed Hub

Promotion of Low BOAA content variety of lathyrus among farmers. Biotech KISAN Hub is joint project between Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India and implementing institutions. Funding is done by DBT and implementing agency (BAU Sabour) is responsible for execution of the project.

Lathyrus Varieties Under Demonstration	No of Farmer	Area(ha)	Seed Available at KVK Lakhisarai (Unprocessed)
Ratan	7	6.67	10 Quintal
Prateek	6	4.33	9 Quintal
Total	13	11	19 Quintal

e) Report of Cluster FLD

Year	Crop	Variety+Technology demonstrated	Area(ha)	No. of farmer
2016-17	Pigeon pea	Pusa-9+seed treatment+weed control	20	50
	Chick pea	GNG-1581+seed treatment +IPM	30	75
	Lentil	HUL-57+seed treatment +IPM	20	50

	Mustard	Rajendra suflam+seed treatment+INM+IPM	30	75
2017-18	Pigeon pea	Bahar+seed treatment+IPM	20	50
	Chick pea	PG-186+seed treatment +IPM+INM	30	75
	Lentil	HUL-57+seed treatment +IPM	30	75
	Mustard	Rajendra suflam+seed treatment+INM+IPM	30	75
	Green Gram	HUM-16+Seed treatment+IPM	20	50
2018-19	Pigeon pea	Narendra Arhar-1+ Seed treatment+IPM+INM	20	50
	Chick pea	PG-186+seed treatment +IPM+INM	20	50
	Lentil	HUL-57+seed treatment +IPM+INM	30	75
	Mustard	Rajendra suflam+seed treatment+INM+IPM	30	75
	Green Gram	HUM-16+Seed treatment+IPM+INM	20	50

f) Report on farm seed production

Year	Crop	Variety	Type of Seed	Quantity (qt)
2018-19	Moong	HUM-16	F/S	33.65
	Paddy	R. Sweta	F/S	452.00
	Paddy	R. Kastoori	F/S	34.00
	Lentil	HUL-57	F/S	14.50
	Chick pea	GCP-105	F/S	124.00
	Rye	R.Suflam	T/L	3.0
	Wheat	HI-1563	F/S	120.50
	Linseed	Sabour Tisi2	T/L	1.0
2017-18	Moong	HUM-16	F/S	40.00
	Paddy	R. Sweta	F/S	201.20
	Paddy	R. Kastoori	C/S	103.00
	Paddy	R. Subhasini	C/S	8.00
	Paddy	Sahbhagi Dhan	F/S	40.00
	Paddy	R.Mahsuri	F/S	26.40
	Lentil	HUL-57	F/S	12.00
	Potato	K. Kanchan	TFL	5.0
	Potato	K. Pukhraj	TFL	6.0
	Potato	K. Sinduri	TFL	12.0
	Rai	R. Suflam	TFL	2.0
	Chickpea	PG-186	B/S	55.00
	Wheat	HD-2967	F/S	25.00
	Wheat	HI-1563	C/S	43.50
2016-17	Moong	HUM-16	F/S	35.21
	Moong	PDM-139	F/S	1.79
	Moong	TMB-37	F/S	4.75

	Paddy	R. Sweta	F/S	312.0
	Paddy	R. Kastoori	F/S	75.00
	Paddy	R. Subhasini	F/S	8.00
	Paddy	Sahbhagi Dhan	F/S	24.00
	Lentil	HUL-57	F/S	24.75
2015-16	Paddy	R. Mahsuri-1	F/S	108.00
	Paddy	MTU-7029	F/S	78.40
	Paddy	R. Sweta	F/S	205.00
	Paddy	R. Kastoori	F/S	31.20
	Paddy	R. Subhashini	F/S	20.00
	Paddy	Sahbhagi	F/S	7.20
	Paddy	Sbour Surbhit	F/S	6.75
	Paddy	Sugandha	F/S	3.00
	Paddy	Swarna Sub-1	F/S	48.80
	Wheat	HD-2967	B/S	47.84
	Wheat	HD-2733	B/S	25.50
	Wheat	HD – 2967	F/S	91.50
	Pea	Azad P3	C/S	0.90
	Cowpea	Kashi Kanchan	F/S	1.20
	Rai	R. Suflam	C/S	1.85
	Potato	K. Pukhraj	C/S	151.50
	Potato	K. Lalit	C/S	13.00
	Potato	K. Kanchan	C/S	67.00
	Lentil	HUL-57	F/S	18.85
	Lentil	Shivalika	F/S	6.15
	Lentil	Arun	F/S	
	Gram	P-256	C/S	1.53
	Gram	PG-186	F/S	3.98
	Green Gram	TMB-37	F/S	7.50
	Green Gram	IARI-1531	F/S	1.05
	Green Gram	PDM-139	F/S	6.50
	Green Gram	HUM-16	F/S	8.50
2014-15	Paddy	R. Mahsuri-1	F/S	216
	Paddy	MTU-7029	F/S	130
	Paddy	R. Sweta	F/S	90
	Paddy	R. Kastoori	F/S	12
	Paddy	S. Ardhjal	F/S	14
	Paddy	Sahbhagi	F/S	10
	Wheat	HI - 1563	F/S	181
	Wheat	PBW - 373	F/S	44
	Rai	R. Suflam	F/S	0.9
	Potato	K. Pukhraj	F/S	120.5
	Potato	K. Ashoka	F/S	28.5
	Potato	K. Jyoti	F/S	2
	Potato	K. Lalit	F/S	6
	Potato	K. Kanchan	F/S	16.5
	Lentil	Arun	F/S	20
	Moong	PDM - 139(Samrat)	F/S	5.5

2013-14	Paddy	MTU -7029	F/S	120
	Paddy	R. Mansuri	FS	100
	Paddy	R. sweta	FS	25
	Paddy	Sahbhagi	FS	32
	Paddy	P-1001	FS	10
	Paddy	Abishek	FS	18
	Potato	K. Pukhraj	FS	33
2012-13	Paddy	MTU-7029	CS	150
	Paddy	R.M-1	CS	175
	Paddy	Usar	CS	25
	Paddy	Sahbhagi	CS	50
	Gram	BG-185	CS	8.0
	Lentil	Arun	CS	18.0
	Lentil	Vaibhav	CS	4.5
	Lentil	Shivalik	CS	5.5

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

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Kisan Mela	Manish kumar	2018	BAU, Sabour		Best Farmer
2.	Kisan Mela	Shiv Nandan Mahto	2017	BAU, Sabour		Best Farmer
3.	Kisan Mela	Bhola Yadav	2016	BAU, Sabour		Best Farmer
4.	Kisan Mela	KVK,Halsi,Lakhisarai	2016	BAU, Sabour		1 st prize for best stall
5.	Kisan Mela	Arun Kumar	2015	BAU, Sabour		Best Farmer
6.	Kisan Mela	Bharat Bhaushan	2014	BAU, Sabour		Best Farmer

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									
2	Animal health care provided									
3	Poultry									

	introduction									
4	Piggery/ rabbitory introduction									
5	Planting material /seedlings produced and distributed			Brinjal (10000) Pappaya (500)			Cauliflower(2000) Tomato(2000) Brinjal(2000)		Cabbage (100000) Okra(1000) Sponge gourd(200)	
6	Fodder and grass introduction, ha									
7	Trees introduction(no.)									
8	Wasteland development plan prepared									
9	Watershed development									
10	Consultancy on soil analysis and topographic survey									
11	Consultancy on land use planning and cropping pattern									
12	Improved hand tools and implements introduced									
13	Fishery demonstrations									
14	Any other (Animal health camp.)									

33.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	2	18	15	15	11	8	6	6	81
2.	Agril. Exhibition									0
3.	Farmers' Fairs	4	2	1	1	2	3	1	1	15
4.	Radio Talk									0
5.	TV show	2	5	3						10
6.	Film show			2	2	2	3	1	13	23
7.	Training materials produced (a) Pamphlets	10	15	12	14	16	15	16	17	115

	(b) Video-cassette/ CD									0
	(c) Slides	3	4	4	5	6	8	8	7	45
8.	Farm Science Club organized						6			6
9.	<i>Mahila Mandals</i> Organized	3	2	2	2	3	2	3	3	20
10	Extension Training meetings organized		1	1	1	1	1	1	1	7
11	i.Kisan Ghosthi/Kisan chaupal	17	20	36	32	32	43	35	35	250
	ii.Farmers Seminar	1	2	2	1	1	2	3	3	15
	iii.Lectures delivered as resource persons	17	20		13	26	26	26	10	138
	iv.Newspaper coverage	29	50	5	8		8	36	36	172
	v.Popular articles				1		6	6	10	23
	vi.Advisory Services	417	645	650	720	656	845	750	723	5406
	vii.Scientific visit to farmers field	127	255	250	226	390	285	274	174	1981
	viii.Farmers visit to KVK	761	1500	817	656	939	1069	1556	1945	9243
	ix.Diagnostic visits	1	200	150	214	111	30	63	63	832
	x.Exposure visits	1	5	1	3	1	1	1	4	17
	xi.Animal Health Camp		2	2						4
	xii.Soil test campaigns	1	2	2	3	1	1	3	3	16
	xiii.Self Help Group Conveners meetings	2	3	4	3	5	3	3	3	26
	xiv.Celebration of important days (specify)	3	5	4		3	6	5	5	31
	xv.Farmers' - Scientists' Interaction	2	3	4	4	5	5	4	5	32
	xvi.Technology week	1	1	1						3
	xvii.Method demonstration	2	8	10	12	25	26	36	32	151

34. Publications made during the QRT period:

Type of Publication	Title and publishers/Journal/Magazine
Research article :	Table -I

Technical Bulletin :	Poudha Kism aur Krishak Adhikar Sanrakshan Adhiniyam, 2001
Popular article :	उन्नत तकनीकी से हल्दी की खेती – भरपूर आय का स्रोत डा. आर. बी. वर्मा, आर. के. वर्मा, विजय कुमार किसान ज्योति पृष्ठ 64–65
Electronic Media (CD) :	100 S.D Card containing 20 videos on Agricultural and allied sector distributed among the farmer.
Extension Literature :	1. Masoor ki vaigyanik kheti (In Hindi). 2015 by A.K. sinha and S. C. Choudhary 2. Matar ki vaigyanik kheti (In Hindi). 2015 by A.K. sinha and S. C. Choudhary 3. Vermicompost (In Hindi). 2016. by A.K. sinha and S. C. Choudhary 4. Chana Ki Vaigyanik Kheti (In Hindi) 2016. by A.K. sinha and S. C. Choudhary 5. Tisi Ki Vaigyanik Khet (In Hindi) 2016. by A.K. sinha and S. C. Choudhary 6. Dhan ki Sidhi Buwai ke liye Shashya Kriyaye (In Hindi). by A.K. sinha 7. Arhar Ki Vaigyanik Kheti (In Hindi) by A.K. sinha 8. Rai, Tori, Sarson ki Unnat Kheti (In Hindi) by A.K. sinha and S. C. Choudhary 9. Mushroom cultivation (in Hindi). by A.K. sinha and S. C. Choudhary 10. Gajarghas se compost banaye: Ek saath do labh kamaye (in hindi) by Krishi Vigyan Kendra
Reports published in ICAR Reporters :	Annual Report Action Plan Extension council report Half yearly Monthly, Quaterly and Mid term Report Report of KVK activities
Others, if any	

Table–I: Research article , Books, Popular Articles and Book Chapter:-

Item	Title	Authors name	Number	Circulation
Research paper	Soil and foliar application of boron on wheat Productivity in north east alluvial plain of eastern India	A. K. Mauriya, V. K. Maurya, R. K. Verma , Sunita Kushwaha And Radhey Shyam	2017,11(0): 00-00	The Bioscan
	Genetic Divergence of Bitter Gourd (<i>Momordica charantia</i> L.) for Sixteen Important Yield Attributing Traits	Preeti Kumari, Reena Kumari, Nisha Rani, R. B. Verma and Rahul Verma	2017; 23(2): 1-11	Current Journal of Applied Science and Technology
	Screening of Local and Exotic Eggplant Genotypes for	Nisha Rani, Shirin Akhtar, Preeti Kumari and Rahul	(2018) Special Issue-7:	Int.J.Curr.Microbio l.App.Sci

	Tolerance to Shoot and Fruit Borer	K. Verma	4553-4559	
	Principal component analysis in Turmeric (<i>Curcuma longa</i> L.)	Rahul Kumar Verma , Preeti Kumari, Vijay kumar, RB Verma, Nisha Rani and Rajesh Kumar	2018; SP1: 1097-1101	Journal of Pharmacognosy and Phytochemistry
	Effect of different chemicals on the shelf life of Nagpur mandarin orange	Sangita Mehta, AK Mehta, Nityanand, RK Verma and Tej Pratap	2018; 7(2): 1818-1819	Journal of Pharmacognosy and Phytochemistry
	Effect of different chemical weed management practices on grain yield and harvest index under direct seeded rice	Vivek, Nikhil Kumar, MK Singh, Mukesh Kumar and RK Verma	2018; 7(2): 1895-1898	Journal of Pharmacognosy and Phytochemistry
Seminar/conference/ symposia papers	International conference on Food and Agriculture			
Books	Agricultural-based Interventions for Sustainable Food Security & Climate Change	Manoj Kumar, Dr. Ravindra Kumar Rajput, Rahul Kumar Singh, Ripudaman Singh, Rahul Kumar Verma, Hemant Kumar and Robin Kumar	ISBN NO- 97893870724 28	<i>AkiNik Publications</i>
Book Chapter	Impact of Climate Change on Temperate Vegetables	Uzma Khatoon, Jitendra Kumar Kushwaha, Rahul Kr. Verma	119-131	Agricultural-based Interventions for Sustainable Food Security & Climate Change
	Grih Vatika: Ek pariwarik kheti	R.K Verma, Renu kumari, A. K sinha	26-27	Pariwarik Kheti

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.**
 - The Mechanism exist for local co-ordination of the frontline extension demonstration between KVK's & the state Govt is through workshop, training exposure visit, Kharif and Rabi mahotsav, Field day, Kisan ghosti, Crop cutting, Demostration and farmers fair for the farmers.

ii. **What is the frequency of Scientific Advisory Committee Meeting for KVK during last 8 years?**

Sl.No	Year	Date	No of Participant
1.	2011-12	25.03.2011	30
2.	2012-13	08.08.2012	35
3.	2013-14	05.12.2013	25
4.	2014-15	10.10.2014	27
5.	2015-16	24.11.2015	27
6.	2016-17	16.11.2016	50
7.	2017-18	16.11.2017	35
8.	2018-19	25.09.2018	28

iii. **No. of monthly workshops organized-NA**

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

- Zonal level workshop/seminar attended .:
- National level workshop/seminar :
- State level workshop/seminar Whether the local NGO's are involved in KVKs programmes

SL. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	New paradigm of plant health management	Dr. U. P Narayan, SMS(Plant Path)	17-11-2018 to 19-11-2018 (3 Days)	BAU, Sabour
2.	Recent advances in agriculture for sustainable rural development	Dr. U. P Narayan, SMS(Plant Path) Dr. B. K Singh, SMS(Agronomy)	15-03-2019 to 17-03-2019(3 Days)	VKS College of Agriculture, Dumrao
3.	Winter School on Advances in Higher Agricultural Education for Quality Assurance and Vocational Opportunities	Dr. S.C Choudhary SMS(Plant Breeding)	03-01-2019 to 23-01-2019(21 Days)	BAU, Sabour
4.	National farmer science congress	Mr. Rahul Kumar, SMS(Hort.)	05-08-2018 to 07-08-2018 (3 Days)	BAU, Sabour
5.	National Workshop on Skill Development @ NASC Complex, New Delhi	Dr. Renu Kumari, SMS (H.Sc.)	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
6.	National Workshop on Skill Development @ NASC Complex, New Delhi	Dr. A. K Sinha, PC	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
7.	National Workshop on Skill Development @ NASC Complex, New Delhi	Mr. Drabin Kumar, Prog. Assist (Computer)	5 th Jan 2017 (1 Days)	GOI, MoA, Dept. of agri, co-operation and farmers welfare
8.	Annual Zonal workshop	Dr. A.K. Sinha (Programme Co-ordinator)	May26-27, 2015 (Two Days)	Barrackpore, Kolkota

9.	Training programme on “IPM of field and horticulture crops”	Dr. U. P. Narayan (SMS, PP)	June 16-18,2015	BCKV, Nadia
10.	Training programme on Project formulation	Dr. Sanjeev Ranjan (SMS, Vet. & Animal Sc.)	June 25-26.2015	CCS, NIAM, Jaipur
11.	Training programme on “New advances in horticulture and its adaption”	Mr. R. K. Verma (SMS, Horticulture)	July 29- August 2,2015	DOEE, BAU Sabour
12.	Orientation workshop on ICT initiative in agriculture	Drabin Kumar Singh (Prog. Asstt. Computer)	Dec 22,2015	BAMETI, Patna
13.	Summer school on “Plant Health Management for plant health Doctors”	Dr. Sudhir Chandra Choudhary(SMS PB & G)	April 4-24, 2014 (21 days)	NIPHM, Hyderabad
14.	National Seminar on “Quality Honey production for livelihood security”	Dr. U. P. Narayan (SMS, PP)	August 5-6, 2014 (Two days)	BCKV, Nadia
15.	National Seminar on “Reorientation of agricultural Education”	Mr. R. K. Verma (SMS, Horticulture)	November 14-15, 2014 (Two days)	BAU, Sabour
16.	Workshop on pulses and oil seed	Dr. Arbind Kumar Sinha (Prog. Coordinator)	20th July, 2013 (One Day)	BAMETI, Patna
17.	Seminar on Goat Farming	Dr. R. K Choudhary (SMS Animal Science)	March 8-11,2013	BAU Sabour

v. Whether the FPO are promoted and become visible in their activities – NA

vi. Whether the local Mahila Mandal or Farm Science clubs are promoted and become visible in their activities

Name of Village	Name of Block	Name of Kisan Club	Name of the Bank	A/C No.	No. of Farmers
Manpur	Halsi	KVK Kisan Club	Bihar Gramin Bank	31160110039747	18
Garhi Bishanpur	Lakhisarai	KVK Kisan Club	Bihar Gramin Bank	31230110032188	13
Rata	Halsi	KVK Kisan Club	Bihar Gramin Bank	31130110063753	10
Lahuara	Halsi	KVK Kisan Club	Bihar Gramin Bank	31130110062213	14
Bahadurpur	Brahiya	KVK Kisan	Bihar Gramin	624502010007311	11

		Club	Bank		
Shirkhindi	Halsi	KVK Kisan Club	Bihar Gramin Bank	31130110062222	12
Raghunandan Bigha	Halsi	KVK Kisan Club	Bihar Gramin Bank	36014845095	10

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

Name of organization	Nature of linkage
D.A.O	Conducting training,Kharif & Rabi mahotsav,Krishi Yantrikaran Mela,Promotion of Organic farming
ATMA	Training and joint survey demonstration
CSISA (CIMMYT)	Resource conservation technology demonstration e.g- Zero tillage, DSR, Paddy Transplanter
IARI,Pusa,Bihar	Demonstration on new released variety
NABARD	Promotion of Kisan Club and Formation of FPO
IFFCO	Training and Demonstration of new agri. inputs
Bihar State Seed Certification Agency,Patna	Promotion of seed growers through demonstration and training
ICAR for Eastern Region,Patna	Training and Transfer of Technology
BAMETI	Training and Transfer of Technology
CPRS,Patna	Promotion of potato seed production programme
NHRDF,Patna	Promotion of newly released variety of horticultural crops
DRPCAUI,Pusa,Samastipur	Transfer of Technology, Training ,Demonstration and seed Production
BSDM	Skill development training
ASCI	Skill development training
NIAM	Marketing and linkage of SHG's

AIC of India	Promotion of agricultural insurance
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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	(%)	200	260
2.	Change in productivity of 1Rice 2Moong 3Maize 4lentil 5Gram 6Wheat 7 Mustard 8 Potato 9Onion 10.Milk Pl Add more if required	(kg/ha)	2800 620 1800 930 950 1650 1100 16500 21050 6.8lit	3390 770 2050 1160 1280 2970 1590 18830 25250 11.2lit
3.	Use of HYV (high-yielding varieties) 1 Paddy 2 Wheat 3 Pulse 4 Oilseed 5. Vegetables	(%)	60 % 30 % 30% 40% 50 %	80% 45% 50 % 70 % 80 %
4.	Use of fertilizers (NPK) (nutrient) Rice Mustard Lentil Tomato Brinjal Cauliflower Potato onion	(kg/ha)	100:50:40 80:35:20 0:35:0 100:50:50 100:50:50 100:50:50 120:60:80 100:60:50	120:60:40 60:60:40 20:40:20 120:80:80 120:80:80 120:80:80 150:100:100 120:80:100
5.	Use of FYM and other biofertilizers	(kg/ha)	FYM @2.2 qt./ha	FYM @4.5qt/ha/green manuring with Dhaincha & Biofertilizer @ 5 Kg./ha
6.	Tractor/machinery	(No)	36	460

7.	Change in economic indicators (in adopted villages) Net return/ha/yr (by crop/enterprise)	(No) Rs.		
	1.Rice		18500	32500
	2.Mustard		20500	28700
	3.Lentil		23200	46400
	4.Tomato		124900	253000
	5.Potato		96500	149500
	6. Onion		76300	120500
	7 Wheat		28700	36500

Signature of Head of the KVK