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

1	Name and location of KVK	C/O Krishi Vigyan Kendra, Madhepura Opp. Jai Bajrang Fuels, NH 107 Purnea Saharsa Road – 852113
2	Name of theHead of KVK with Postal address and Telephone No.	Dr. Bipul Kumar Mandal C/O Krishi Vigyan Kendra, Madhepura Opp. Jai Bajrang Fuels, NH 107 Purnea Saharsa Road – 852113
3	Name of District and State Head Qtrs.	Madhepura(Bihar)
4	Sanction order No. and date	**2003, ICAR, Letter No.-6-2/97-ARI dated-10-01-2003**
5	Date of Establishment	10-01-2003
6	Name and Address of the Host Instt.	Bihar Agricultural University, Sabour, Bhagalpur
7	Mandate and Functions of KVKs	❖ Technology, Assessment and demonstration for its application and capacity development. To fulfil these mandates and based on identified thrust area the Kendra has undertaken the following activities: ➢ On farm testing to identify the location specificity of agricultural technologies under various farming system. ➢ Front line demonstration to establish the production potentials on the farmers' field. ➢ Training of farmers to update their knowledge and skill in modern agricultural technologies and training of extension personnel to orient them in the frontier areas of technology development. ➢ To work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sectors for improving the agricultural economy of the district.

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
YEAR 2011-12						
1	Programme Coordinator	1	Dr. V.K. Jaiswal		28.03.2003	20.04.2015
2	Subject Matter Specialist	6	Dr. U.P. Narayan	15600-39100(6000)	12/11/2007	01.08.2014
3	Subject Matter Specialist		Er. Ram Pal	15600-39100(6000)	08/01/2008	04.04.2012
4	Subject Matter Specialist		Ravindra Kr jalaj	15600-39100(6000)	10/06/2009-	19.10.2013
5	Subject Matter Specialist		Nutan Kumari	15600-39100(6000)	11/06/2009-	10.06.2014
6	Subject Matter Specialist		Sunil kumar Singh	15600-39100(6000)	15/06/2009-	
YEAR 2012-13						
1	Programme Coordinator	1	Dr. V.K. Jaiswal		28.03.2003	20.04.2015
2	Subject Matter Specialist	6	Dr. U.P. Narayan	15600-39100(6000)	12/11/2007	01.08.2014
3	Subject Matter Specialist		Dr. M.K Roy	15600-39100(6000)	04/04/2012	
4	Subject Matter Specialist		Ravindra Kr jalaj	15600-39100(6000)	10/06/2009-	19.10.2013
5	Subject Matter Specialist		Nutan Kumari	15600-39100(6000)	11/06/2009-	10.06.2014
6	Subject Matter Specialist		Sunil kumar Singh	15600-39100(6000)	15/06/2009-	
7	Subject Matter Specialist		Er. A.K.Ram Suman	15600-39100(6000)	12/04/2012	12.06.2014
8	Farm Manager	1	Ramlakhan Thakur	9300-34800(4200)	26/10/2012	04.07.2015
9	Prog. Asst. (Lab tech.)	1	Miss Rubi Kumari	9300-34800(4200)	29/10/2012	
10	Office Assistant	1	Ratan Kumar	9300-34800(4200)	12/04/2013	
YEAR 2013-14						
1	Programme Coordinator	1	DR. V.K JAISWAL		28.03.2003	20.04.2015

2	Subject Matter Specialist	6	DR. U.P NARAYAN	15600-39100(6000)	12/11/2007	01.08.2014
3	Subject Matter Specialist		DR. M.K ROY	15600-39100(6000)	04/04/2012	
4	Subject Matter Specialist		SMT. NUTAN KUMARI	15600-39100(6000)	11/06/2009-	10.06.2014
5	Subject Matter Specialist		ER. AKR SUMAN	15600-39100(6000)	12/04/2012	12.06.2014
6	Subject Matter Specialist		DR. S.K SINGH	15600-39100(6000)	15/06/2009-	
7	Subject Matter Specialist		DR. SUNIL KUMAR	15600-39100(5400)	16.04.2012	
8	Programme Assistant	1	SMT. RUBI KUMARI	9300-34800(4200)	29/10/2012	
9	Computer Programmer	1	MISS NEHA KUMARI	9300-34800(4200)	14/05/2013	
10	Farm Manager	1	SRI R.L THAKUR	9300-34800(4200)	26/10/2012	04.07.2015
11	Accountant / Superintendent	1	SRI RATAN KUMAR	9300-34800(4200)	12/04/2013	
YEAR 2014-15						
1	Programme Coordinator	1	DR. V.K JAISWAL		28.03.2003	20.04.2015
2	Subject Matter Specialist	6	DR. R.P Sharma	15600-39100(6000)	12/11/2007	
3	Subject Matter Specialist		DR. M.K ROY	15600-39100(6000)	04/04/2012	
4	Subject Matter Specialist		DR. S.K SINGH	15600-39100(6000)	15/06/2009-	
5	Subject Matter Specialist		DR. SUNIL KUMAR	15600-39100(5400)	16.04.2012	
6	Programme Assistant	1	SMT. RUBI KUMARI	9300-34800(4200)	29/10/2012	
7	Computer Programmer	1	MISS NEHA KUMARI	9300-34800(4200)	14/05/2013	
8	Farm Manager	1	SRI R.L THAKUR	9300-34800(4200)	26/10/2012	04.07.2015
9	Accountant / Superintendent	1	SRI RATAN KUMAR	9300-34800(4200)	12/04/2013	
YEAR 2015-16						
1	Programme Coordinator	1	DR. M.K ROY	15600-39100(6000)	04/04/2012	
2	Subject Matter Specialist	6	DR. R.P Sharma	15600-39100(6000)	12/11/2007	
3	Subject Matter Specialist		DR. S.K SINGH	15600-39100(6000)	15/06/2009	
4	Subject Matter Specialist		DR. SUNIL KUMAR	15600-39100(5400)	16.04.2012	
5	Programme Assistant	1	SMT. RUBI KUMARI	9300-34800(4200)	29/10/2012	
6	Computer Programmer	1	MISS NEHA KUMARI	9300-34800(4200)	14/05/2013	
7	Farm Manager	1	SRI MRITUNJAY KUMAR	9300-34800(4200)	08.11.2012	
8	Accountant / Superintendent	1	SRI RATAN KUMAR	9300-34800(4200)	12/04/2013	
9	Stenographer	1	SRI BIKAS KUMAR	5200-20200(2400)	26/06/2013	
10	Driver	2	SRI SANTOSH KUMAR DIWANA	5200-20200(2000)	18/05/2015	
11	Driver		SRI SANJAY KUMAR	5200-20200(2000)	10/06/2015	
YEAR 2016-17						
1	Programme Coordinator	1	DR. M.K ROY	15600-39100(6000)	04/04/2012	
2	Subject Matter Specialist	6	DR. R.P Sharma	15600-39100(6000)	12/11/2007	
3	Subject Matter Specialist		DR. S.K SINGH	15600-39100(6000)	15/06/2009	
4	Subject Matter Specialist		DR. SUNIL KUMAR	15600-39100(5400)	16.04.2012	
5	Programme Assistant	1	SMT. RUBI KUMARI	9300-34800(4200)	29/10/2012	
6	Computer Programmer	1	MISS NEHA KUMARI	9300-34800(4200)	14/05/2013	
7	Farm Manager	1	SRI MRITUNJAY KUMAR	9300-34800(4200)	08.11.2012	
8	Accountant / Superintendent	1	SRI RATAN KUMAR	9300-34800(4200)	12/04/2013	
9	Stenographer	1	SRI BIKAS KUMAR	5200-20200(2400)	26/06/2013	
10	Driver	2	SRI SANTOSH KUMAR DIWANA	5200-20200(2000)	18/05/2015	
11	Driver		SRI SANJAY KUMAR	5200-20200(2000)	10/06/2015	
YEAR 2017-18						
1	ProgrammeCoordinator	1	DR. M.K Roy	15600-39100(6000)	28/11/2007	
2	Subject Matter Specialist	6	DR. R.P Sharma	15600-39100(6000)	30/11/2007	
3	Subject Matter Specialist		DR. S.K Singh	15600-39100(6000)	15/06/2009	
4	Subject Matter Specialist		DR. Sunil Kumar	15600-39100(5400)	16.04.2012	
5	Programme Assistant	1	SMT. RUBI KUMARI	9300-34800(4200)	29/10/2012	
6	Computer Programmer	1	SMT. NEHA KUMARI	9300-34800(4200)	14/05/2013	
7	Farm Manager	1	SRI MRITUNJAY KUMAR	9300-34800(4200)	08.11.2012	
8	Accountant / Superintendent	1	SRI RATAN KUMAR	9300-34800(4200)	12/04/2013	
9	Stenographer	1	SRI BIKAS KUMAR	5200-20200(2400)	26/06/2013	
10	Driver	2	SRI SANTOSH KUMAR DIWANA	5200-20200(2000)	18/05/2015	
11	Driver		SRI SANJAY KUMAR	5200-20200(2000)	10/06/2015	
YEAR 2018-19						
1	Senior Scientist& Head	1	Dr. Mithilesh Kumar Roy	15600-39100(6000)	28/11/2007	
2	Subject Matter Specialist	6	Dr Ram Prakash Sharma	15600-39100(6000)	30/11/2007	
3	Subject Matter Specialist		Dr. Sunil Kumar	15600-39100(5400)	16/04/2012	
4	Subject Matter Specialist		Mr. Rahul Kumar Verma	15600-39100(5400)	30/09/2014	
5	Programme Assistant	1	Mrs. RubiKumari	9300-34800(4200)	29/10/2012	
6	Computer Programmer	1	Mrs. NehaKumari	9300-34800(4200)	14/05/2013	
7	Farm Manager	1	Mr. Mritunjay Kumar	9300-34800(4200)	08/11/2012	
8	Accountant / Superintendent	1	Mr. Ratan Kumar	9300-34800(4200)	12/04/2013	
9	Stenographer	1	Mr. Bikas Kumar	5200-20200(2400)	26/06/2013	
10	Driver	2	Santosh Kumar Diwana	5200-20200(2000)	18/05/2015	
11	Driver		Sanjay Kumar	5200-20200(2000)	10/06/2015	

9. Allocation under various Heads

Budget head	Preceding plan (Utilisation-Rs in lakh) 2018-19			Current plan Utilization (Rs in lakh) 2019-20			
	Sanctioned	Expenditure	Budget Estimate	April	May	June	Total
Pay & All	69,95,000	6971381	7530000	-	1159777	26728	1186505
TA	1,00,000	1,00,000	1,00,000				
Rec. Contingency	1,00,000	1,00,000	810000	-	-	51438	51438
NRC	-	-	-	-	-	-	-
Works	-	-	-	-	-	-	-
Vehicle	-	-	-	-	-	-	-
Equipment	350000	350000	-	-	-	-	-
Library	-	-	-	-	-	-	-
Other, if any	1,00,000	1,00,000	-	-	-	-	-

YEAR 2011-12

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	3100000	3100000	2346792
2	**Traveling allowances**	60000	60000	60000
0.676	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments	202000	202000	202000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Training of extension functionaries	203000	203000	203000
F	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	0.60	60000	60000
H	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.75	75000	75000
g	Maintenance of buildings	-	-	-
h	Establishment of Soil, Plant & Water Testing Laboratory	.	.	.
i	Library	-	-	-
TOTAL (A)		**3700000**	**3700000**	**2946792**

B. Non-Recurring Contingencies				
1	**Furniture, Fixtures & Fitting**	400000	400000	400000
2	**Agriculture Machine**	200000	200000	200000
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	0.05	0.05	0.05
TOTAL (B)		**605000**	**605000**	**605000**
GRAND TOTAL (A+B)		**4305000**	**4305000**	**3551792**

YEAR 2012-13

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	4267000	4267000	4267000

2	**Traveling allowances**	1.25	1.25	1.25
0.676	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments	3.52	3.52	3.52
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Training of extension functionaries	2.64	2.64	2.64
F	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.07	1.07	1.07
H	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.07	1.07	1.07
g	Maintenance of buildings	0.50	0.50	0.50
h	Establishment of Soil, Plant & Water Testing Laboratory			
i	Library			
TOTAL (A)		**5272000**	**5272000**	**5272000**

B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)			-	-
C. REVOLVING FUND			-	-
GRAND TOTAL (A+B+C)		**5272000**	**5272000**	**5272000**

YEAR 2013-14

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	54.28	54.28	54.31770
2	Traveling allowances	0.75	0.75	0.75
3	Contingencies			
A	OE			
B	POL	4.40	4.40	4.40
C	Training	3.00	3.00	3.00
D				
E				
F				
G	FLD	1.50	1.50	1.50
H	OFT	1.00	1.00	1.00
I	Maintenance of building	0.50	0.50	0.50
J				
TOTAL (A)		65.43	65.43	65.46770
B. Non-Recurring Contingencies				
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
TOTAL (B)		0	0	0
GRAND TOTAL (A+B)		65.43	65.43	65.46770

YEAR 2014-15

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	51.00	51.00	51.00
2	Traveling allowances	0.50	0.50	0.50
	HRD	0.15	0.15	0.15
3	Contingencies			
A	OE & POL	2.26	2.26	2.26
B	Training	1.69	1.69	2.24269
C	FLD	1.13	1.13	1.13
D	OFT	0.57	0.57	0.57
E	Maintenance of building	0.35	0.35	0.43271
TOTAL (A)		57.65	57.65	58.28540

YEAR 2015-16

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	56,43,000	56,43,000	56,36,707.25
2	Traveling allowances	1,00,000	1,00,000	1,00,000
3	Contingencies			
A	OE & POL	5,00,000	5,00,000	5,00,000
B	Training	3,75,000	3,75,000	3,75,000
C	FLD	2,50,000	2,50,000	2,50,000
D	OFT	1,25,000	1,25,000	1,25,000
E	Maintenance of building	50,000	50,000	50,000
TOTAL (A)		70,43,000	70,43,000	70,36,707.25
B. Non-Recurring Contingencies				
1	Motorcycle	1,20,000	1,20,000	1,20,000
TOTAL (B)		1,20,000	1,20,000	1,20,000
GRAND TOTAL (A+B)		71,63000	7163000	7156707.25

YEAR 2016-17

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	6147700	6147700	6124420.50
2	Traveling allowances	01.50 Lakh	01.50 Lakh	01.50 Lakh
	HRD	0.50	0.50	0.46553
3	Contingencies			
A	OE			
B	POL	5 Lakh	5 Lakh	5 Lakh
C	Training of Farmers			
D	Training Materials	3 Lakh	3 Lakh	3 Lakh
E	FLD	2 Lakh	2 Lakh	2 Lakh
F	OFT	1 Lakh	1 Lakh	1 Lakh
G	Maintenance of building (Repair)	0.50	0.50	0.50
H	Contractual salary	140000	140000	119226
TOTAL (A)		7637700	7637700	7590199.50

YEAR 2017-18

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	6856000	6856000	6699652.50
2	Traveling allowances HRD	130000 7500	130000 7500	1300000 7500
3	Contingencies			
A	Stationary + POL	597500	597500	597500
B	Training of Farmers	210000	210000	210000
C	Training Materials	70000	70000	70000
D	Training of Ex. Func.	70000	70000	70000
E	Training of Rural Youth	140000	140000	140000
F	FLD	112000	112000	112000
G	OFT	98000	98000	98000
H	Building Maintenance	70000	70000	70000
I	Ex. Act. / Exhibition, Kisan Mela	42000	42000	42000
J	Swatchta Expenditure			
TOTAL (A)		8403000	8403000	8246652.50
GRAND TOTAL (A+B)		8403000	8403000	8246652.05

YEAR 2018-19

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	6995000	6995000	6971381
2	Traveling allowances HRD	 100000	 100000	 100000
3	Contingencies	30000	30000	30000
A	Stationary + POL	400000	400000	400000
B	Training of Farmers			
C	Training Materials	250000	250000	250000
D	FLD	50000	50000	50000
E	OFT	75000	75000	75000
F	Building Maintenance	50000	50000	50000
G	Kisan Mela	45000	45000	45000
H	SCSP General	100000	100000	100000
I	Swachhta Expenditure	14000	14000	14000
TOTAL (A)		8109000	8109000	8085381
B. Non-Recurring Contingencies				
1	Equipments & Furnitures	350000	350000	350000
2	SCSP Capitals	100000	100000	100000
TOTAL (B)		450000	450000	450000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		8559000	8559000	8535381

10. Infrastructural facilities available at KVK

Items	Details
Land	**Total land of KVK, Madhepura is 20 ha.**
Office Building	**Office building of KVK, Madhepura is under 1.50 ha.**
Farmers' Hostel	**Farmer's hostel is fully completed and in use at KVK, madhepura. And, the source of funding agency is RAU, Pusa(Samastipur).**
Vehicle	**There is two Motercycle at KVK, Madhepura purchased in 2015 and each costs Rs. 60,000/- and one bolero purchased in 2017 costing Rs. 6,74,300/- total Kms run is 29500 Km.**

Tractor	**There is one tractor at KVK, Madhepura use only in KVK Farm.**
e-connectivity	**For e-connectivity for the knowledge enhancement of farmers there is a Video conferencing hall at KVK, Madhepura . Which is not in use. Since, the UPS is not in working condition.**
Demo unit etc	**In Demo unit there is a farmers seed sale centre, Goatry unit, Mushroom unit, IFS unit. Which is in working condition at KVK, Madhepura**
Any other	**Establishment of aromatic and medicinal distillation unit.**

11 . Budget (Rs. In lakh)

a. ICAR

Head	I (2011-12)	II (2012-13)	III (2013-14)	IV (2014-15)	V (2015-16)	VI (2016-17)	VII (2017-18)	VIII (2018-19)	TOTAL
Recurring	36.40000	51.47000	64.68000	57.15000	69.43000	74.87700	82.33000	80.09000	516.427
Non-Recurring	6.05000	-	-	-	1.20000	-	-	4.50000	11.75
TA	0.60	1.25	0.75	0.50	1.00	1.50	1.30	1.00	7.90
Others									
CFLD (Oilseed & Pulses)	-	-	-	-	5.475	7.00	6.10	10.136	28.711
PMFBY	-	-	-	-	1.85497	-	-	-	
NIAM	-	-	-	-	0.80	-	0.60	0.173	1.573
Kisan Sammelan	-	-	-	-	1.60	0.80	-	-	2.40
RKVY	-	-	-	-	-	0.26006	-	-	0.26006
Sankalp se siddhi	-	-	-	-	-	-	0.80	-	0.80
Swachhta Abhiyan	-	-	-	-	-	-	-	0.14	0.14
b. Other than ICAR									
Soil Test,DAO, Madhepura	-	-	-	-	1.25000	0.86	0.80	-	2.91
ATMA	-	-	-	-	1.60	0.20	-	0.60	2.40
BSDM	-	-	-	-	-	-	-	6.273	6.273
CSISA Project	-	-	-	-	-	-	4.35	3.0	7.35
NHM(Small Nursery Model)	-	-	-	-	-	-	-	7.50	7.50
Street Light	-	-	-	-	-	-	-	0.50	0.50
c. Any Other									
RAWE	-	-	-	-	-	0.30	0.45	0.33	1.08
BGREI	-	-	-	-	0.07	-	3.171	-	3.241

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

a. Climate:North East Alluvial Plain. The Climate of this district is sub-tropical can be classified as humid to sub humid.

b. Traditional crops:Rice based Farming system, Paddy –wheat-moong, paddy-Maize-Jute, paddy-maize-summer vegetables, paddy-maize-summer moong

c. Cropping system/situation:Rice based Farming system, Paddy –wheat-moong, paddy-Maize-Jute, paddy-maize- summer vegetables, paddy-maize-summer moong

d. Any other:Three type of topography occur in the district such as upland medium, low land and chaur. The soil of upland is generally loamy sand to sandy loam silt loam to silt clay loam soils Occur in medium upland, low land and *chaur*.

13. Major Activities Undertaken

- **On Farm Testing to assess the location specificity of agricultural technologies under various farming systems.**
- **Frontline Demonstrations to establish production potential of technologies on the farmer's field.**
- **Capacity development of farmers and extension personnel to update their knowledge and skills on modern agricultural technologies.**
- **To work as knowledge and Resource centre of agricultural technologies for supporting initiatives of public, private and voluntary sector in improving the agricultural economy of the district.**
- **Provide farm advisories using ICT and other media means on varied subjects of interest to farmers.**
- **Data documentation, characterization and strategic planning of farming practices.**

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

Strengths :

1. **Well equipped soil Testing Lab.**
2. **Distillation unit established for medicinal and aromatic crops.**
3. **IFS model having 1 acre pond with high density and ultra high density guava plants.**
4. **Well established mango orchard.**
5. **Crop Production unit.**
6. **Centre is nearest to district peri-urban area.**

Weakness :

1. **Inadequate staff strengths to cover entire district.**
2. **Lack of fencing.**
3. **Lack of training hall.**

Opportunities :

- **Favorable climate for banana, coconut, jute, maize etc.**
- **Sizable water reservoir area for good Makahana Production and fish culture.**
- **Good strength of animal population.**
- **Linkage to line departments for better Convergence.**
- **Opportunity for establishment of food processing unit.**

Threats :

- **Inadequate Funds for demonstration and transformation of technology.**
- **KVK has no credit facilities for farmers.**
- **Exploitation of farmers by middlemen during marketing.**

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

Office :

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	**IRS old building renovated for KVK office building by RAU Pusa in the year 2006**							
2.	Farmers Hostel	-	-	-	-	**Totally completed**	-	**In use**	**RAU Pusa**
3.	Staff Quarters (6)	-	-	-	-	**Totally completed**	-	**In Use**	**BAU Sabour**
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	**Totally completed**	-	**Partly damage**	**RAU Pusa**
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	**Totally completed**	-	**In Use**	**RAU Pusa**
8	Farm godown	-	-	-	-	**Totally completed**	-	**In Use**	**RAU Pusa**
9.	Dairy unit	-		-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	-	-	-	-
11.	Goatary unit					**Totally completed**	-	**In Use**	**ICAR**
12.	Mushroom Lab	-	-	-	-	-	-	-	-
13.	Mushroom production unit	-	-	-	-	**Totally completed**	-	**In Use**	**KVK Fund**
14.	Shade house	-	-	-	-	-	-	-	-
15.	Soil test Lab	-	-	-	-	-	-	-	-
16	Others, Please Specify	-	**completed**	-	-	**completed**			**BAU Sabour**
a	Seed sale centre								
b	Generator cum store	-	-	-	-	**completed**	-	**Not Under use**	**BAU Sabour**
c	Threshing floor cum cover godown								
d	Vegetable Unit	-	-	-	-	**Totally completed**	-	**In Use**	**BAU Sabour**

Equipments :

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mini Soil Kit	2015	75,000	In condition	ICAR
b. Farm machinery				
Kirloskar pump set	31/.03/2006	19500	In Condition	KVK Fund
Electric motor pump	31/03/2006	4250	In Condition	KVK Fund
Electric motor pump USHA 2HP	12/01/2012	9003=75	In Condition	KVK Fund
Zero till machine(1)	10/11/2006	-	Not in condition	RAU Pusa
Zero till machine(2)	15/11/2007	-	Not in condition	RAU Pusa
Zero till machine(1)	12/09/2012	47500	Not in condition	CIAE,Bhopal

Moisture meter(1)	20/03/2009	1200	In Condition	RAU,Pusa
Power sprayer with dusting attachment(1)	20/03/2009	6000	In Condition	KVK Fund
Sprayer(1)	31/01/2014	1500	In Condition	KVK Fund
Bag stitching machine	07/09/2009	5200	In Condition	KVK Fund(RF)
Mobile seed processing plant	26/10/2010	981760	Not working	DSF Dholi
Usha pump set	20/03/2012	32800	working	ATMA Fund
Electric motor pump	20/03/2012	11000	In condition	ATMA Madhepura
Rocker sprayer	26/03/2012	4300	In condition	KVK Fund
Foot sprayer	26/03/2012	4300	In condition	KVK Fund
Honda generator set	25/09/2012	50000	In condition	KVK Fund
Brush cutter	02.07.2015	29,000	In condition	KVK RF Fund
c.AV Aids				
Computer & its related equipments HPDX	28/03/2007	-	CPU not working	RAU, Pusa
Computer & its related equipments	31/12/2013	34800	In condition	KVK Fund
Fax Machine	28/03/2007	4232	Not Working	RAU,Pusa
Photocopier Machine	30/03/2010	60,031	Not Working	KVK Fund
Camera sony	2008	15,000	Good	
Laptop sony	31/03/2009	49,990	Good	KVK Fund
LCD Projector	31/03/2009	48,422	Good	KVK Fund
Projector Stand	31/03/2009	3500	In condition	KVK Fund
Printer	31/03/2009	5475	Good	KVK, Fund
Mike	24/03/2012	24877	working	KVK, Fund
Inverter	31/03/2013	7500	In condition	KVK Fund
Honda portable generator set	25.09.2012	50000	Good	KVK Fund
Fax Machine	28/03/2007	-	Not working	RAU, Pusa
Stabilizer	09/09/2009	4662	In condition	KVK Fund
Battery Exide	31/03/2013	33,834	In condition	KVK Fund
Dell Desktop	2016	61,00	In condition	KVK, Fund
Camera Nikon	04.03.2016	8,700	In condition	Cluster Demonstration
GPS	28.03.2016	17,747	In condition	Cluster demonstration

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor MF 1035	29/03/2005	334500	In Condition	RAU Pusa
Hood	29/03/2005	2900	In Condition	RAU Pusa
Hitch	29/03/2005	1500	In Condition	RAU Pusa
MF 14 Disc harrow	29/03/2005	25000	In Condition	RAU Pusa
MF Cultivator	29/03/2005	12100	In Condition	RAU Pusa
MF MB Plough	29/03/2005	25500	In Condition	RAU Pusa
Hydraulic trailor	29/03/2005	82000	In Condition	RAU Pusa
Cage wheel	29/03/2005	5900	In Condition	RAU Pusa
Bumper	29/03/2005	5200	In Condition	RAU Pusa

Kanta with woots	16/09/2006	4232=25	In Condition	KVK Fund (RF)
Land leveler	20/06/2009	9880	In Condition	KVK Fund (RF)
Dibbler Rottary	21/12/2010	2300	In Condition	KVK Fund
KVK Fund	21/12/2010	650	In Condition	KVK Fund
Weighing balance digital	10/01/2012	9450	In Condition	KVK Fund CNC(NR) PA
Weghing balance digital	10/01/2012	3150	In Condition	KVK Fund CNC(NR) PA
Weighing balance with stand			In Condition	KVK Fund CNC(NR) PA
Chain + baat	10/01/2012	7560	In Condition	KVK Fund CNC(NR) PA
Cultivator spring loaded	20/03/2012	15878	In Condition	KVK Fund CNC(NR) PA
Disc harrow mounted 12 disc	20/03/2012	26500	In Condition	KVK Fund CNC(NR) PA
Winower power operated	20/03/2012	16000	In Condition	KVK Fund CNC(NR) PA
Tractor driven	24/03/2012	57750	In Condition	KVK Fund CNC(NR) PA
Bund farmer(Disc model)	26/03/2012	16000	In Condition	KVK Fund CNC(NR) PA
Bed farmer shaper	26/03/2012	24000	In Condition	KVK Fund CNC(NR) PA
Disc Harrow 12 Disc	16/02/2012	-	In Condition	Rkvyraupusa
Disc plough 3 disc	16/02/2012	-	In Condition	Rkvyraupusa
Potato planter(Drollimoga)	13/12/2012	-	In Condition	Rkvyraupusa
Rotavator 5 feet	18/12/2011	-	In Condition	Rkvyraupusa
Rotavator 50 CAA	24/05/2012	59000	In Condition	Rkvyraupusa
Post hole digger	05/04/2012	42748	In Condition	Rkvyraupusa
Paddy seeder/conoweeder	24/08/2012	20320	In Condition	Dean Agril. ,Tamil Nadu
Raised bed planter seed drill	02/04/2013	45000	In Condition	Dean Agril. ,Tamil Nadu

Staff Amenities :

- **There are two T.A quarters, Two supporting staff quarters &One Sr Scientist & Head quarter and all quarters are filled.**

Transport :

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	6,74,300.00	29560 Km.	In Condition
Honda new (Bike)	2015	60,000.00		In Condition
Hero Pro (Bike)	2015	60,000.00		In Condition

O & M Reforms :

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).

2011-12 - NIL
2012-13 - NIL
2013-14

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme	Amount spent for the purpose (Rs.)
Workshop on HRD management for efficient functioning of KVK	2	Miss NehaKumari	Programme Assistant (computer)	BCKV, Nadia(West Bengal)	3500
Workshop on foundation of OFT of Plant protection	3	Dr. U.P Narayan	SMS(Plant Protection)	BAU, Sabour	1327
Youth festival on occasion of university foundation day	1	Dr. U.P Narayan	SMS(Plant Protection)	BAU, Sabour	375
Workshop on recent advancement in veterinary Science	2	Dr. Sunil Kumar	SMS(Animal Science)	BVC, Patna	1400

2014-15

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme	Amount spent for the purpose (Rs.)
National conference	09-11/06/2014 (03days)	Dr. S.K Singh	SMS(Horti.)	BAU, Sabour	2500
National Seminar	05-06/08/2014 (02 days)	Dr. R.P Sharma	SMS(Ento.)	BAU, Sabour	3500

2015-16 - NIL
2016-17

Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
Training	Palmyrah Processing and value addition	Dr. Sunil Kr Singh SMS(Horticulture)	25-30.07.2016 (6 days)	TNAU, Coimbatore
Training	HRD Training for Farm Manager	Sri Mritunjay Kumar (Farm Manager)	28-31.03.2016 (4 days)	O.O No. 70/DEE/BAU Sabour/196 Dt 18.03.2016
Workshop	Palmyrah Processing and value addition	Dr. Sunil Kr Singh SMS(Horticulture)	27.08.2016 (1day)	O.O No. 28/DEE/BAU Sabour/92 Dt 24.08.2016
Training	Process	Dr. Ram PrakashSherma	15-19.11.2016	O.O No.

	Documentation & writing skills in Agriculture sciences	SMS(Entomology)	(5 days)	70/DEE/BAU Sabour/120 Dt 01.10.2016
Training	Soil Testing & handling of equipment's in Laboratory	Smt. RubiKumari Prog. Asst. (Computer)	06-10.02.2017 (5 days)	O.O No. 70/DEE/BAU Sabour/21 Dt 31.01.2017

2017-18

Name of programme	**Name of course**	**Name of KVK personnel and designation**	**Date and Duration**	**Organized by**
HRD programme	Doubling farmer income & farm Production through skill development & Technology Application	Dr. M.K Roy (Sr. Sc. & Head)	28-30.11.17 (3 days)	Department of Extension Education, BAU, Sabour& Indian Society of extension education, New Delhi
HRD programme	"Soil Testing Kits and Reagents Kits"	Smt. RubiKumari (Programme Assistant L.T)	21-23.11.17 (3 days)	DEE, BAU (Sabour)

2018-19

Name of programme	**Name of course**	**Name of KVK personnel and designation**	**Date and Duration**	**Organized by**
National Farmers Science Congress	Grass roots Innovation in Farm production	Dr. M.K Roy Sr. Scientist & Head	04/08/2018 05-07/08/2018	B.A.U, Sabour
I.C.R.L.I	Grass roots Innovation in Farm production	Dr. M.K Roy Sr. Scientist & Head	30/10/2018 30/10/18 to 01/11/18	B.I T, Mesra (Patna)
National Workshop on Disease of Makhana	Challenges to words diagnosis & Management	Dr. R.P Sharma SMS(Entomology)	11/01/19 11-12/01/19	M.B.A.C , Agwanpur (Saharsa)
National Workshop on Disease of Makhana	Challenges to words diagnosis & Management	Sri R.K Verma SMS(Horticulture)	11/01/19 11-12/01/19	M.B.A.C , Agwanpur (Saharsa)
Finalization workshop for plant protection	OFT Finalization workshop	Dr. R.P Sharma SMS(Entomology)	15-16/02/19	B.A.U, Sabour
Finalization workshop for Horticulture	OFT Finalization workshop	Sri R.K Verma SMS(Horticulture)	15-16/02/19	B.A.U, Sabour

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

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

Technology	Relevance	Status of transfer
Assessment of early sowing moong variety. HUM 16 variety performed better and yielded 8.65 q/ha. 18.49% increase in yield with vigorous vegetative growth has been observed.	Generally, high yielding variety of moong not performing well in late condition due to high humidity and precipitation during crop.	12% area cover expansion
Assessment of late sowing variety of oil seed crops(rapeseed). R suflam variety perform better yield than the local variety. R suflam variety perform better yield than the local variety. Average yield 8.25 and B:C ratio (2.20). And, 33.85% increase in yield and farmer get 2q/ha more yield than local variety.	Keeping in view, R. Suflam is a late maturing variety which is well suited for sowing after harvest of paddy. Specially, in late November to first fortnight of December with better yield.	33.85% increase in yield and farmer get 2 q/ha more yield than local check. Farmers appreciate R. Suflam for late condition after harvest of paddy and 33% area is going to be covered by this variety.
Assessment of crop diversification in traditional rice wheat cropping system. Rice-Potato+Raddish-Summer Maize produced the highest paddy equivalent yield of 205.19 q/ha resulted highest gross return & B:C ratio (2.96).	Lack of diversification in traditional rice-wheat cropping system leading to crop risk as well as poor resource use efficiency.	41.35% farmers adopted this technology on sample test basis in maize growing area.
Assessment of scented paddy variety for higher profitability. R.Subhashini recorded the highest yield flopped by Pusa sugandh 6.	Low profitability due to cultivation of course paddy or low yielding local scented varieties like : chananchur	22% farmers received this technology on sample test basis.
Screening of different scented varieties for enhancing profitability. Sugandh 5 & Pusa 44 produced almost at par yield however Sugandh – 5 gave significantly higher net return and B:C ratio as 26,200 and 1.95 respectively.	Low profitability due to cultivation of course paddy or low yielding local scented varieties like : chananchur	19% farmers received this technology on sample test basis.
Assessment of bio fertilizer for enhancing the yield for Paddy. Maximum yield (28.31 q/ha) and net return (10378 Rs/ha), B:C ratio (1.39) were found in application of fertilizer on STB+PSB	Bio fertilizer like PSB solubilized the unavailable phosphorous which is fixed in the soil.	28% adopted by the farmers on sample test basis.
Assessment of fertilizer dose in Rabi Hybrid maize for enhancing productivity and profitability. Yield of Hybrid maize increased with increasing every level of fertilizer dose however any based fertilizer application was found more renumerative in respect of getting higher yield, net return and B:C ratio.	Low yield & profitability at previous RDF for Maize due to introduction of high fertilizer responsive hybrid Maize varieties by private Company.	17% adopted by the farmers on sample test basis.
Assessment of fertilizer dose in wheat for enhancing productivity and profitability. Maximum grain and straw yield of wheat to the tune of 38.13 and 38.33 q /ha were recorded in STB based SSNM. Which was significantly higher than Farmers practice?	Yield gaps exist between researcher managed optimum NPK & farmers fertilizer practices indicating a great opportunity for increasing wheat yield & productivity through improved nutrient management practices.	16% adopted by the farmers on sample test basis.
Identification of suitable dates of sowing	Delayed sowing of green gram	35% adopted by the

of green gram HYV for Kosi region. Sowing during first fortnight of March produced maximum yield which was at par sown during second fortnight of February.	having vigorous vegetative growth resulting less flowering and fruiting.	farmers on sample test basis.
Assesment of weedicide for controlling smell melon(Gurmi) weeds in Green gram. Pedimethilin 30EC @ 3.3L/ha at 0-3 DAS +1 hand weeding at 30-35 DAS produced maximum yield 8.5 q/ha net return 34930, B:C ratio 3.17.	Smell melon is serious problem in green gram cultivation.	51% adopted by the farmers on sample test basis.
Assessment of different weedicide in jute. Pedimethalin 30 EC as pre-emergence followed by one hand weeding resulted promising impact over controlling the wide range of weed at early stage. And, which in turn resulting in maximum yield of 36.17 q/ha obtained.	Usually, jute is growing irrigated and high humid condition particularly of low land area. The crop needed high humidity during the whole crop period. During some circumstances heavy weed infestation is a major problem. And, causes low yield and higher cost of cultivation owing to more labour requirement for weeding.	Mostly jute growers adopting this technology in an area over 33%.
Assessment of different nursery raising method in vegetables(tomato) Soil treated with formalin(1%) and seed treated with carbendazim @2 gm/kg seed alongwith net production performed better in the contest of less mortality percentage.	As farmers are facing enormous problem during nursery development. And, production of un healthy seedling is quite common due to dumping off.	Due to this technology area expansion of around 20-22% observe.
Assessment of timely sown high yielding variety of wheat. Among all other wheat variety Cv. HD 2967 produced maximum yield of 35.14 q/ha with maximum 1.97 B:C ratio.	Actually, Low yield of wheat is due to lack of awareness about improved high yielding varieties Cv. HD2967.	Farmers are in a position to take 5 q more yield in comparision to traditional varieties and in todays contest 47% of the wheat farmers are adopting this practices.
Assessment of late sown high yielding Cv of Wheat. Wheat variety HI 1563 yielded maximum of 32.15 q/ha with net return of Rs. 22232.5/ha and highest 1.87 B: C ratio in comparison to PBW 373, HD 2985 and HW 2045	In Koshi region due to late sowing of wheat the production is usually declined owing to terminal heat stress in which situation improved wheat variety HI 1563 and HD 2985 performing well.	Area expansion of 11% and 17 % ha covered respectively.
Management of DBM in Cole crop by use of pheromone trap. Lure of DBM @10 trap/ha/acre in combination with other insecticides play vital role in management of DBM in cole crop.	DBM is a major insect pest of cole crop causing havoc and losses of yield. Sometime, 40-45% yield losses.	DBM lure installed by crop growers which help in monitoring and management of the pest. More than 30% cole crop growers adopting this technology.
Management of fruit fly through Pheromone Trap on Cucurbits.	Cucurbits vegetable growers mainly used insecticides for management of fruit fly which causes pesticide resistance and residue problem	By adopting installation of cucurbit fruit fly getting 18% more yield at present 25% of the farmers growing cucurbits vegetable with installation of fruit fly trap.
Management of sheath blight in Kharif Paddy.	Farmers of Madhepura district growing paddy variety like MTU	Localized application of hexaconazole 3% @ 2ml/l

Spraying of Hexaxonazole 3%@2ml/l of water effectively control the infestation of sheath blight in paddy.	7029 and SITA mainly infested by sheath blight which causes reduction in yield upto 20-25%.	applied by farmers. This technology adopted by 50-60% of paddy growers in an area about 1500-2000ha.
Evaluation of Rabi Maize productivity under high fertility level and high plant density in Bihar. Iso biletral leaf type maize hybrids with fertility level of 180:112.5:75 Kg N, P2O5, K2O/ha at 40X20 cm spacing that was performing better. And, Maximum yield of 111.5 q/ha yield obtained.	As the farmers are growing maize in different fertility level and with different spacing also.	20-30% farmers adopting this technology and geting higher productivity and 27% area expansion has been observed.
Evaluation of efficacy of some newer fungicides against late blight of potato (phytophthora infestance) in potato. Spray of metalaxyl 4% + Mancozeb 64% (Redomil Gold) @ 1000 gm/ha perform better and minimize infestation level upto 3.25%	Madhepura is major potato growing district Late blight of potato causes heavy infestation and creating havoc among the farmers specially in late condition.	More than 50% farmers utilize this technology to prevent the infestation caused by late blight potato in about 500-700 ha of land.
IPM Technique to prevent losses caused by armyworm in Paddy. Light trap@1/ha+use of bird purchur@10/ha+ Band application of Malathian 5%Dust@25kg/ha and spray chloropyriphos 20EC@2lt/ha found effective for management of army worm in Kharif Paddy.	Army worm is migratory insect pest which causes heavy losses at the time of maturity of the crop. At present about 1000 ha of land covered under this technology.	By adopting this technology maximum yield of paddy obtained 48.79 q/ha yield and losses minimized upto 6.80%.
Evaluation of some insecticides against Helicon verpa armigera Hub (Maize cob borer) in Rabi season Installation of Helico lure @ 6 trap/acre at tassele/silk stage at 2.5 cm above the crop and spray of spinosed 45 SC @ 0.2 ml/litre at tessel/silk initiation stage found effective for management of maize cob borer.	Madhepura is emerging maize growing district which faces heavy infestation and yield loss in specially in Rabi maize crops.	100-200 ha of land covered under this technology for suppressing the infestation of maize cob borer in the district. The area increasing every year.
Effect of probiotics supplementation on milk production and anorexia of Dairy animal(cow). Feeding of Gosac@20gm/cow/day give positive effect on milk production and anti stress.	Generally farmers not supplementing probiotics to their animals for milk production and management of anoeraxia.	Farmers is getting 6.25% change in milk and 15-20% farmers adopting this new technology .
Assessment of fertilizer best Management practices of Rice based system for enhancing productivity & Profitability. NE based fertilizer application in paddy is the best method but to find out the dose of fertilizer in paddy is complicated Farmers increased 5.5q/ha by using this technology. Maximum grain & straw yield (45.93, 75.12 q/ha respectively were recorded in the treatment which received Nutrient Expert based fertilizer with 1.78 B:C ratio.	Paddy growers use different fertilizer at there different doses. Hence, assessment of best management practices of rice best system for enhancing productivity and profitability is required.	9-12% of the farmers adopting NE based fertilizer application.
Assessment of Micronutrients dose (Boron & Zinc) effect on the yield of	Usually, due to continuous cropping the soil are going to be	In present contest 37% area expansion is

Cauliflower (Brassica Oleacea var.Botrytis) Cauliflower Cv. Sweta was found significantly highest (275.35 q/ha) with soil application of 18 Kg borax & 25 Kg ZnSo4/ha with RDF (N:P:K – 100:80:80 Kg/ha) which showed statically at par with (yield 267.95q/ha) soil application of 10Kg borax & 20 Kg ZnSo4/ha. And, Soil application of Borax@15 kg/ha found vary effective for controlling of browning in cauliflower.	deficient with different Micro elements. Particularly, Cauliflower is more sensitive with Boron. Hence, after application of Boron in the form of borax giving the overall positive impact over cauliflower yield.	observed for controlling the browning in cauliflower.
Ealuation of different fungicides against false smut disease of paddy. Seed treatment with carbendazim@2 gm/kg seed and two spray of propiconazole 20 EC@2ml/L (One at but & other at milting stage) effectively control the false smut in paddy	False smut disease is quite common in Madhepura district resulted detoriation of quality and yield of paddy sometime upto 50-60% infestation observed. It also affect milting/ quality of grain.	Most of paddy grower adopting this technology which expand upto 21% (14000 ha)
Efficacy of different insecticides and biopesticides against cut worm in rabi maize, Seed treatment with Gauchho (Imidachlorprid 70 WS) @5mi/kg seed and Soil application of cartap hydrochloride 4G @25 kg /ha effectively suppress cut worm infestation in maize	Larva of cut worm generally cut the neonate emergence (at 2-4 leaf stage) from ground level resulted poor plant population which ultimately affect the yield,	Now over 12-15% of farmers adopted this technology for management of cut worm in Rabi maize. The area expand upto 500-600 ha out of 4000 ha maize cultivated in Madhepura district,
Management of kids mortality against high mortality and low growth rate in kids, colostrums feeding+deworming (albondazole@10 mg/kg body weight) alongwith antimicrobial (Ciprofloxacime & T.Z) given orally continuously for 3 days after 7 days of birth reduced mortality rate from upto 40 to 10% and increased body weight to 30.46% against 16.15% farmers practice.	As the goat rearing by farm women is quite common in small farmers families and they are unawared about diseases of kids. Due to this higher mortality and poor growth rate is quite common during early phase of after birth.	41% farmers adopted this technology
Supplementary fish feed to fish fry to fingerlings. Among mixture of supplementary feed mustard oil cake and rice bran in the ratio of 1:1@5% estimated stocked fish weight found suitable for proper growth of fish fry to fingerling. A maximum of 4.3 q/acre was obtained with 2.09 B:C ratio.	The growth rate of fish fry is less due to farmer are not giving there appropriate fish feed regular basis in sub-tropical climate of Koshi region.	43% area expansion (344 ha)
Assessment of SRI technology in paddy cultivation under medium upland soil condition. This method reduce the seed rate as well as irrigation and weed infestation the highest yield of 41.82 q/ha obtained in SRI method in comparison of transplanting at uncontrolled spacing (Farmers practice) as well as maximum net return of Rs 23863 and 2.2 B:C ratio.	Under limited water resource and labour SRI method reduces the seed rate as well as irrigation and weed infestation.	Altogether 70 % area cover expansion

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	6	6	112	32	32	944	61	61	2816	39	39	1259	38	38	1299	28	28	932	8	8	330	71	71	1758	283	360	9450
2.	Horticulture	9	9	213	26	26	652	32	32	914	63	63	1799	51	51	1380	53	53	1575	33	33	1110	24	24	688	291	291	8331
3.	Livestock	-	-	-	1	1	22	7	7	204	27	27	773	41	41	1185	37	37	1146	27	27	913	19	19	662	159	159	4905
4.	Fisheries	5	5	102	7	7	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	267
5.	Home Science	4	4	85	13	13	323	66	66	1724	2	2	54	-	-	-	-	-	-	-	-	-	-	-	-	85	85	2186
6	Agril Engg	17	17	432	23	23	850	-	-	-	3	3	93	-	-	-	-	-	-	-	-	-	-	-	-	43	40	1375
7.	Agroforestry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8.	Plant Protection	9	9	242	17	17	457	26	26	716	38	38	1230	50	50	1291	50	50	1515	36	36	1128	39	39	1147	265	265	7726
	Total	50	50	1186	119	119	3413	192	192	6374	172	172	5208	180	180	5155	168	168	5168	104	104	3481	153	153	4255	1138	1138	34240

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	-	-	-	-	-	-	16	16	366	5	5	152	5	5	132	9	9	430	1	1	55	13	13	649	49	49	1784
2.	Horticulture	23	23	78	2	2	50	3	3	101	7	7	155	8	8	295	10	10	467	13	13	437	5	5	261	71	71	1844
3.	Livestock	-	-	-	1	1	22	-	-	-	2	2	47	-	-	-	3	3	96	3	3	126	6	6	106	15	15	397
4.	Fisheries	1	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	21
5.	Home Science	2	2	37	1	1	23	8	8	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	267
6	Agril Engg	4	4	54	-	-	-	1	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	74
7.	Agroforestry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	Plant Protection	2	2	34	-	-	-	-	-	-	5	5	100	6	6	212	8	8	589	13	13	685	9	9	392	43	43	2012

	Total	32	32	224	4	4	95	12	12	351	14	14	302	14	14	507	21	21	1152	29	29	1248	20	20	759	146	146	4615

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	-	-	-	-	-	-	2	2	40	7	7	235	2	2	66	2	2	47	-	-	-	4	4	94	17	17	482
2.	Horticulture	1	1	25	1	1	20	1	1	25	8	8	78	20	20	91	10	10	267	12	12	373	7	7	249	60	60	1128
3.	Livestock	-	-	-	-	-	-	-	-	-	6	6	47	8	8	69	13	13	360	6	6	164	14	14	423	47	47	1063
4.	Fisheries	1	1	20	1	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	41
5.	Home Science	-	-	-	1	1	21	1	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	41
6	Agril Engg	-	-	-	1	1	20	1	1	23	2	2	70	-	-	-	-	-	-	-	-	-	-	-	-	4	4	113
7.	Agroforestry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	Plant Protection	-	-	-	1	1	20	-	-	-	16	16	171	16	16	140	12	12	307	15	15	443	14	14	436	74	74	1517
	Total	2	2	45	5	5	102	3	3	68	32	32	366	44	44	300	35	35	934	33	33	980	35	35	1108	189	189	3903

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)	Lentil	5	2.0	7.38	5.98	10400	13940	HUL 57	10900	16830	500	2890		2390
	Wheat	10	4.0	*22.08*	18.56	16215	28014		17325	34,638	1110	6624		5514
II (2012-13)	Mustard	5	2	10.65	8.70	13560	24360	cv.Pusa jaikisan	15450	30380	1890	6020		4130
		7	2	10.23	8.70	13560	24360	cv.Bharat Sarson-2	15450	28644	1890	4284		2394
	Lentil	29	10	10.62	8.97	14500	31395		16150	37170	1650	5775		4125
III (2013-14)	Redgram	20	5	16.50	13.24	17875	66200	NDA-1	21550	82500	3675	16300		12625

	Wheat	24	6	33.0	27.5	22800	41250	K-307	24400	49500	1600	8250		6650
	Wheat	25	10	29.7	19.25	17530	23100	DBW-14	16320	34320	-1210	11220		12430
	Wheat	25	10	28.60	19.25	17530	23100	DBW-14	15730	35640	-1800	12540		14340
	BGA in paddy	29	10	39.25	36.35	22800	51450		26256	98875	3456	47425		43969
	Paddy	30	10	38.50	33	24550	36300	R. Mansoori	27500	42350	2950	6050		3100
	Caulif lower	16	2	120	100	142000	350000	Sabour Agrim	155000	420000	13000	70000		57000
	Caulif lower	11	2	108	100	142000	35000		143250	378000	1250	343000		341750
	Brinjal	8	2.5	390	321.78	67200	257440	Pusa Hybrid-6	68500	312000	1300	54560		53260
IV (2014-15)	Mustard	29	10	12.21	10.35	10300	31050	R.Sufla m	11500	36630	1200	5580		4380
	Redgram	19	5	15.75	12.96	18875	31840	NDA 1	22350	63000	3475	31160		27685
	Lentil	20	6	11.08	9.25	16150	32375	HUL 57	18950	38780	2800	6405		3605
	Wheat	7	1.17	37.25	29.96	25400	46438	HD-2733	26600	57737.5	1200	11299.5		10099.5
		5	1.25	35.56	28.79	25400	46438	HD-2824	26600	57737.5	1200	11299.5		10099.5
		5	1.25	31.0	25.15	25400	46438	HD-2967	26600	57737.5	1200	11299.5		10099.5
		3	0.75	29.75	25.10	25400	46438	HI-1544	26600	57737.5	1200	11299.5		10099.5

	Wheat(Late)	5	1.25	35.30	29.57	24400	46438	HD-2985	25600	57737.5	1200	11299.5		10099.5
		5	1.25	32.08	27.04	24400	46438	HI-1563	25600	57737.5	1200	11299.5		10099.5
		5	1.25	31.20	25.62	24400	46438	HW-2045	25600	57737.5	1200	11299.5		10099.5
		11	7.5	33.42	27.51	25400	46438	K-307	26600	57737.5	1200	11299.5		10099.5
	Jute	19	7	30.5	22.3	25150	44600	JRO 128.	25500	55060.00	350	10460		10110
		8	3	27.53	22.3	25150	44600	.JRO8432	25500	57500.00	350	12900		12550
		4	1.8	28.75	22.3	25150	44600	.JRO66	25500	53900.00	350	9300		8950
		3	1	26.95	22.3	25150	44600	.JRO204	25500	50840.00	350	6240		5890
		3	1	25.42	22.3	25150	44600	. KTC-1	25500	61000.00	350	16400		16050
	Paddy	14	6.5	37.85	32.5	24550	42575	R. Mansoori	27500	49583.5	2950	7008.5		4058.5
		50	10.0	38.24	35.31	24550	46256.1		26260	50094.4	1710	3838.3		2128.3
		50	10.0	37.25	32.5	24550	42575		26260	48797.5	1710	6222.5		4512.5
		50	10.0	36.80	32.5	24550	42575		26260	48208	1710	5633		3923
V (2015-16)	Rye	25	10.0	9.32	8.64	10300	24192		12000	26096	1700	1904		204
	Mustard	27	10.0	9.72	8.64	10.300	24.192	R.Suflam	11500	27216	11489.7	27191.81		15702.11
	Mustard	67	22.4	8.25	6.00	10350	19050	R.Suflam	11600	25500	1250	6450		5200
	Lentil	50	25	8.85	8.15	17500	40750		18000	44200	500	3450		2950
	Lentil	72	24	8.25	6.00	9850	24000	HUL 57, DPL 62	10250	33000	400	9000		8600

	Field pea	60	15	7.80	6.15	9750	12300	Prakash	9925	15600	175	3300		3125
	Wheat (Timely) HD 2733	05	0.5	27.92	25.12	25500	35728		26550	39088	1050	3360		2310
	HD 2824	05	0.5	27.56	25.12	25500	-		26550	38584	1050	38584		37534
	HD 2967	24	5.5	28.76	25.12	25500	-		26550	40264	1050	40264		39214
	CBW 38	05	0.5	27.27	25.12	25500	-		26550	37800	1050	37800		36750
	DPW 621-50	05	5.5	27.27	25.12	25500	-		26550	38178	1050	38178		37128
	Wheat(Late) HD 2967	05	0.5	20.54	18.5	24500	25900		25050	28756	550	2856		2306
	HW 2045	05	0.5	20.41	18.5	24500	-		25050	28574	550	28574		28024
	Wheat	234	150	20.27	18.5	24500	-		27000	37660	2500	37660		35160
	Wheat(Timely)HD 2967	39	9.25	26.52	23.15	27000	-		26550	41106	-450	41106		41556
	Wheat(Late) Cv HI 1563	12	3.95	19.58	17.20	25500	-		25500	30349	0	30349		30349
	Cole Crop	12	2.14	119.420	100.00	184000	429000		174000	501500	-10000	72500		82500
	Vegetable Crop	07	2.2	118.50	95.25	131701	333375		154200	445100	22499	111725		89226

		06	02	122.25	98.25	131701	335000		154200	451000	22499	116000		93501
	cauliflower	20	2	152.86	108.44	72600	130128		68500	183432	-4100	53304		57404
	Boran in cauliflower	10	2	154.19	120.22	68500	144264		72600	185028	4100	40764		36664
VI (2016-17)	Bottle gourd	65	0.50	265	232	50500	69600	Narendra Rashmi)	55638	79500	5138	9900		4762
		65	0.50	288	232	50500	69600	Narendra Lauki	60300	86400	9800	16800		7000
	Brinjal	41	2	352	318	72600	270300	Rajendra Baigan	69325	299200	-3275	28900		32175
		41	2	388	318	72600	270300	(PH 6)	76200	329800	3600	59500		55900
	Caullifl ower	41	3	157.26	122	72200	146400	(Sabour Agrim)	66144	188712	-6056	42312		48368
	Potato	16	5	239	210	87500	168400	Management of late blight of potato by Redomil gold	90720	191200	3220	22800		19580
VII (2017-18)	Potato	23	5	241	212	88240	106000		92920	120500	4680	14500		9820
	Pea (Var. AP 3)	20	2	98.50	80.40	40400	96480		48100	181200	7700	84720		77020
	Cauliflower	15	2	264.50	228	78500	228000		90600	264500	12100	36500		24400
	Onion (Var. Nasik Red)	37	2	203.50	176	88400	176000		91500	203500	3100	27500		24400
	Makhana	4	1	28.75	21.50	45000	126000		47000	143750	2000	17750		15750
VIII (2018-19)	Potato	14	3.4	245	210	88200	1,05,000		93000	1,22,500	4800	17500		12700
	Broccoli	20 HHs	20 HHs	102	80	49100	144000		49600	183600	500	39600		39100
	Capsi	20 HHs	20 HHs	122	102	68641	122400		74641	146400	6000	24000		18000

	cum													
	Caulif lower	10	1	308	240	49718	144000		54168	184800	4450	40800		36350

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	10	4.0	12.33	11.46	23375	36240		22.875	48,465	-23352.1	12,225		35,577
	Green Gram	25	10.0	7.55	6.42	10100	16050	Seed +Biofertilizer	10700	18875	600	2,825		2,225
II (2012-13)	Paddy	50	20	30.15	25.53	22880	30636	Cv. Prabhat	26500	36180	3620	5,544		1,924
		57	22.8	31.22	25.53	22880	30636	Cv ,Swarna Sub-1	26500	37464	3620	6,828		3,208
III (2013-14)	NIL													
IV (2014-15)	Moong	116	10.0	5.36	5.0	15600	25000		16500	26800.00	900	1,800		900
		116	10.0	5.14	4.75	15600	23750		16500	25700.00	900	1,950		1,050
V (2015-16)	NIL													
VI (2016-17)	Cucurbits	54	05	200	140	160000	450000	Demo of cucurbits fruit fly trap	170000	600000	10000	1,50,000		1,40,000
	Paddy	14	02	29.5	24.0	27550	33740	Fungicidal Management of sheath blight	29275	41944	1725	8,204		6,479
VII (2017-18)	Sunflower	28	10	18.75	16.25	29500	32500	HYV + Response of S	31250	37500	1750	5,000		3,250
	Cucurbits	36	10.16	185	169	170000	338000	Phero mone Trap	175000	370000	5000	32,000		27,000
	Moong	108	20	8.65	7.3	11200	29200		12100	34600	900	5,400		4,500

VIII (2018-19)	Cucur bits	34	6.67	195	160	1,65000	4,95,000		1,72,000	5,85,000	7000	90,000		83,000

Front-line demonstration on Enterprise in *year round*

Year wise	**Animal / bird**	**Breed**	**No. of Raisers**	**Total no of animals / birds**	**Avg. Prodn.**	**Local check**			**Improved breed / tech.**		**Increase**		**Net loss (Rs.)**	**Effct. Gain (Rs)**
						Av. Prod.	C	R	C	R	C	R		
I (2011-12)	NIL													
II (2012 -13)	NIL													
III (2013-14)	Kids	Feed management in local kids	29	62	2.85kg	1.55kg	232.5	232.5	87	427.5				
IV (2014 -15	Sheep and goat	PPR vaccine	168	500	95%	85%								
V (2015-16)	Sheep and goat	PPR vaccine	336	1000	95%	85%								
VI (2016-17)	NIL													

VII (2017 -18)	Dairy	Effect of probiotics supplementation on milk production and anorexia of Dairy animal	16	30	425	400	1300	72800	7600	13600			
		Effect of urea molasses mineral mixture feeding for enhancing production of Dairy animal	8	15	112.5	63	1350	2016	1725	3600			
VIII 2018-19	Cow	Effect of UMMB supplementation in Cow feeding on milk production	22	25 Cow	288.9 lit.	247.5 lit.	5000	8662.5	5600	10111.5			

period under review:0

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 (S.Sub 1-133q,MTU 1001-243q, Prabhat – 55.8q)	Paddy(Sudha-7q,Sahbhagi-115.5q,R.Mansoori-218q,Prabhat-35q)	Wheat(K3017-67q,PBW343-95q,HD2643-45q) Rai (R.Suphlam-0.81q) Lentil(HUL 57-1.88q) Paddy(R.Mansoori-247.5q,MTU1001-168q,Prabhat-38q)	Wheat(HD2967-112q,PBW343-58q,DBW-43q), Lentil(IPL 406-0.65q), Paddy(R.Mansoori-259.0q,MTU 1001-149q,Prabhat-26.5q,Sudha-14.3q),	Paddy(Prabhat-26.50,MTU 1001-134q,R.Mansoori-259q,Sudha-14.30q),Lentil(HUL 57-2.35),Rai(R.Suflam-3.25q),Wheat(HD 2967-91.5q,Hi 1563-62q)	Paddy(Prabhat-26.50,MTU 1001-134q,R.Mansoori-259q,Sudha-14.30q),Lentil(HUL 57-2.35),Rai(R.Suflam-3.25q),Wheat(HD 2967-91.5q,Hi 1563-62q)	**Paddy(R.Mansoori-239.60q,R.Shweta-142.70q,Sahbhagi-67.70q,Sudha-4.80q),Elephant foot yam(Gajendra-2.20q),Wheat(HD 2967-188.0q,DBW 14-20q),Rai(R.Suflam-1.70q),Turmeric(R.Sonia-8.0q)**	**Sudha Seed+Non-Seed(4.61+0.19q),R.Mansoori-68.51q,R.Shweta-2.09q),Sahbhagi-7.24q)Elephant foot yam(Gajendra-2.20q),Mustard(R.suflam-1.68q)**
ii) Biofertiliser								
iii) Any other								

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								
ii) Saplings	Mango(Langra-338,Bombay-42, Sundar-3,Dashhari-3,Amarpali-18) Mango Scion - 15250	Mango(Langra+Bombay+Sundar Langra+Dashhari-2110) Mango Scion-1900	Mango(Langra-100, Bombay-84)	Mango(Langra-77,Bombay Green-30), Mango Scion (Langra-16250,Sundar-8450,Bombay-4100,Dashari-5200,Jardalu-3150)	Cauliflower(S.Agrim-40000),Brinjal(PH 6-20000),Onion(Light Red-15000),Litchi(Bedana-334),Bootle gourd(Rashmi-700),Turmeric(Sonia-25.30q)	Mango(Langra-77,Bombay Green-30), Mango Scion (Langra-16250,Sundar-8450,Bombay-4100,Dashari-5200,Jardalu-3150)	Onion(Nasik Red-1.25lakh), Mango(Langra, Bombay,Amarpali etc.-772),Guava(Allahabad safeda-200),Litchi (Sahi-300)	Mango(Malda,Amarpali,Bombay-586),Guava(Allahabad Safeda-305),Litchi(Rose Scented-350)
iii) Root / tubers	Elephant Foot Yam(Gajendra-12.17 q)							
iv) Any other								

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)
Type-wise	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)	Cow(Cross Breed-2),Cailves(Crossbreed-2),Heifer(Crossbreed-2)

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	108	321	159	-	2758	1392	589	362	5689
Soil Health Card issued	108	321	140	-	250	1392	589	362	3162
No of Farmers benefitted	108	321	140	-	6493	1392	589	362	9405

22. Entrepreneur development during the period of QRT:

YEAR 2011-12 to 2018-19

1.	Area/Field	Fish Cultivation & rearing
	Target Group	Rural youth (Men & Women)
	Impact	Farmers are accepting the practices of rearing of Pangeseous, indigenous fishes
2.	Area/Field	IFS
	Target Group	Rural Youth (Men & Women)
	Impact	More than hundred farmers are accepting this practices
3.	Area/Field	Agri, Horti, Medicinal & aromatic cultivation
	Target Group	Rural Youth
	Impact	Adopting in 100 acres of land by 60-65% local farmers.
4.	Area/Field	Conservation Agriculture
	Target Group	Practicing Farmers & Farm women
	Impact	Adopting in more than 250 acres of land by Zero Tillage with the support of other farmers.
5.	Area/Field	Medicinal & Aromatic Cultivation
	Target Group	Rural Youth (Men & Women)
	Impact	Developed FPO with other allied farmers
6.	Area/Field	Layer Farming
	Target Group	Rural Youth (Men & Women)
	Impact	Developed Layer Farming with 10,000 birds & continuously motivating the several Rural Youth.
7.	Area/Field	Promotion of DSR & Zero Tillage practices
	Target Group	Practicing Farmers
	Impact	Area cover more than 150 ha in different blocks of the district.
8.	Area/Field	Aromatic Farming (Khas/Kalmegh)
	Target Group	Rural Youth (Men & Women)
	Impact	Developed FPO (OUSE Madhepura) and expanded Khas cultivation more than 100 acres of land
9.	Area/Field	Mushroom Production & Product and medicinal plant
	Target Group	Rural Youth (Men & Women)
	Impact	Developed linked with other farm women & attached with value addition of Mushroom
10.	Area/Field	Vegetable cultivation & Marketing
	Target Group	Rural Youth (Men & Women)
	Impact	After getting training from BSDM (Gardener), self employment as vegetable grower.

1. FARMER SUCCESS STORY – SRI JYOTI MANDAL

Name :- Sri Jyoti Mandal
Age :- 57years
Address :- Vill-Bakhari,Post-Narsinghbagh,Via-Budhma

Sri Jyoti mandal is a successful Fish farmer in Madhepura district. He has been doing fish rearing in a commercial basis during the 15 years. Now a day, he has his own pond in area of 5 ha. And the varieties of fishes in the ponds are :- Carp,Pangas,roopchanda etc.In this year he has been doing the mixed rearing of fishes like pangas+roopchanda in 1 ha pond.He has brought the fish seed of pangas and roopchanda from Jhanjharpur(Bihar) in the year 2012 and

Figure 1 : Pond

he has got the economical help from Bihar govt. for the rearing of Pangas varirty. He got the technical knowledge of fish rearing from the scientists of KVK, Madhepura.In 2009 he visited Kakinara(A.P) for fish farming training.In the year 2009 he also got training from KVK,karnal. Besides this, he has been attached with KVK,Madhepura since from more than 4 years.

Before Fish farming he has been doing the cultivation of Paddy,wheat,Maize and Moong with the gross annual income of Rs. 25000.In the year 1990 he eastablished the two ponds each of 1acre with the gross annual income of Rs. 30,000. And, by this inspiration he continued the farming of fish and eastablished more and more ponds and today he has a pond of total area of 5 ha.

Earlier, he had been using raw cowdung in ponds. And, after the advice of the scientists of KVK, Madhepura he eastablished the vermin compost unit. Then he used vermin compost as an organic compost in his pond inspite of cowdung.After continually doing this for 1-2 years he enhanced the productivity of pond.In the year 2004-05 the productivity of the pond was 1.2-1.6tonne fish/acre and later which was increased by 2.2-2.5 tonne fish/acre.He had 3 rearing ponds and 1 nursery pond and after getting training from KVK, Madhepura he started doing fish seed production in the year 2010. Only by fish seed selling the income was increased by Rs. 100,000. His total income now a day is of Rs. 5-6lakh.

2. FARMERS SUCCESS STORY : SRI DHARMENDRA KUMAR

Name :- Dharmendra Kumar
Age :- 36 years
Address :- Vill+Post-Aurhi, Block-Gamhariya

Mr.Dharmendra Kumar has been in farming from 1995. He has 20acre of farming land.In 1995 his cropping pattern was-Paddy-Wheat+Sarson-Moong.Hecultivats paddy in 15 acre, wheat in 10 acres, Mustard in 5 acres and Moong in 2 acres with all this cultivations he use to earn Rs.77,000.

Figure 1 :Mentha Field

In the year 2005, Mr. Kumar got to know about Japanese Mint from Krishi Vigyan Kendra, Madhepura.He brought Some plants of Japanese mint from KVK and he increased the cultivation in 0.068 acres.In 2006, with the 7acre of farming of Mint he eastablished a distillation machine for extraction of mint oil, and about 150 litre oils has been extracted.In the year 2006, @ Rs.425/litre he earned Rs. 63,750.

Mr. Kumar cultivated Mentha in 4.5 acre,Kadam+Mentha in 2.5acre and Mango+Mentha in 5acre and Gross income with this all farming was of Rs. 5,40,000.Now a days his Cropping Pattern and Profit – loss are as follows:-

Sl.No.	Crops	Productivity(q/acre)	Profit/acre	Expenditure/acre	Net profit/acre	Total area in acre	Total income in Rs.
1.	Paddy	20	20,000	10,000	10,000	10	1,00,000
2.	Wheat	20	24,000	10,000	14,000	5	70,000
3.	Mustard	5	20,000	5,000	15,000	2	30,000
4.	Mint oil	40 litre	60,000	24,000	36,000	10	3,60,000
5.	Dairy(Milk)	22 litre / cow / day	44,000	25,000	14,000	3	42,000
6.	Orchard Plants	–	–	–	–	–	50,000
7.	Vermin	–	–	–	–	–	1,00,000

	compost						
8.	Poly house	Productivity starts from oct 2012					
Total gross income							7,70,000

3.FARMERS SUCCESS STORY : SRI GULAB MEHTA

Sl. No.	PARTICULARS		ANSWER
1	Name of farmer	:	**Gulab Mehta**
	Village	:	Bandha
	Block	:	**Murliganj**
	District	:	**Madhepura**
	Telephone no.		**9934000498**
	Aadhar No.	:	**958882562522**
2	Area of Farm: < 02 hectare- > 02 ha and upto 04 ha. >04 ha	:	**4.4 ha.**
3	Number of milking / any cattle's - No. of Cow No. of Buffalow Others	:	02 03 03
4	Activities of Residue Management	:	Utilization of residues of crop in the form of current fuel as a recycling process during distillation results money saving device.
5	Area of pond (If yes) No. with size	: :	
6	KrishiVigyan Kendra / University from which you are benefitted	:	**Krishi Vigyan Kendra, Madhepura**
7	Enterprises- (No./Name and their outcome) Attached suitable photograph for each enterprises	:	**Medicinal & Aromatic plant and also vegetable cultivation.** 
8	Innovation- Name and source of knowledge and their outcome:	:	**Mentha grower and oil distributors.** **Krishi Vigyan Kendra, Madhepura**
9	How many farmer benefitted from your enterprise-	:	**15**
10	Average growth rate in last 03 year- Enterprise wise growth rate for last 03 years:	:	Year — Annual Income 2016-17 — 300000/- 2017-18 — 650000/- 2018-19 — 876000/-
10	Prize / award received from any Institute-	:	**No**
11	Brief description of your achievement-	:	Gulab Mehta is large farmer having 4.4 ha. of land. Firstly he cultivated potato in large area but there is no more profit in potato. He came in contack of KVK Scientists during KisanChaupal program. He was very interested to adopt technology like ZT, cultivation of medicinal & aromatic plant. He started potato and mentha cultivation and he get more profit in mentha cultivation. So, he fully interested in Cultivation of medicinal & aromatic crops. He introduced Aromatic crop Mentha for oil extraction to be used for economic sales. Adoption of local techniques (Submerging of condenser of Mentha distillation unit into water tank in place of regular supply for cooling purposes, spacing in different geometry for better yield) to save huge quantity of water loss and reduction in cost of distillation.
12	Any information If available	:	He has **Distillation Unit.**

4.FARMERS SUCCESS STORY : SRI NIRAJ KUMAR

Name :- Sri Neeraj Kumar
Age :- 45 years
Address :- Vill+Post-Baishadh,Thana-Kumarkhand,Block-Kumarkhand

Everything is possible if you feel easy.This is the logic applied by Sri Neeraj Kumar during the 12 years. He has been doing the farming of wheat and Maize by the Zero tillage machine and Bhoka Machine. He is the only mode of inspiration for the nearby farmers. He has been earning Rs.12,000/annum by the zero tillage machine.Mr. Neeraj Kumar is a graduate and well qualified person. Earlier his father was doing the farming but later due to diseases he expired and than Neerja Kumar started farming inspite of his father. By the sciuentists advice he started the farming by zero tillage machine

Figure 1 : Equipment for Bhoka Method

Figure 2 : Farm

which kills the waste grasses which hampers the crops. In that year he got the profit of Rs. 1,30,000 in 20 acre cultivable land.He also started inspiring the other farmers and in result they cultivated 250 acre land by zero tillage machine in the year 2002.

And now a days he has been earning 8-9lakh rupees p.a through zero tillage machine. He got the trainings from the scientists of Krishi Vigyan Kendra ,Madhepura and he has always been the source of inspiration for the other farmers nearby his farm. ATMA, Madhepura has made him visit to the Kisan Mela in the year 2009. And, for buying the machines like :- Rotavator,Sprinkler, and zero tillage machine etc. he got the helpfrom Bihar Government. And, in future he wants to do the farming of Maize through Zero Tillage Machine in nearby future.

5.FARMERS SUCCESS STORY : SRI SHAMBHU SHARAN BHARTIYA

- Name and address of the farmer: Sri Shambhu Sharan Bhartiya
  Address : Vill.:Rajpur,PO-Manikpur,Block-Madhepura
  Dist.-Madhepura
- Contact no. (s): 8292859979
- Age: 53 yr 5 Month(D.O.B : 05/10/1960)
- Holding size (in acre): Own land-1.80
  Leased- 0.7

Total Cultivable land: 1.87

- Educational qualification: M.A (Hindi)
- Experience in farming: 8 years

- **Brief description of the farm/ enterprise :**
  Sri Shanbhu sharan Bhartiya, a small but smart farmer of his koshi region having 1.80 acre own and 0.07 acre on leased land in very much interested in farm intensification through adoption of addative intercropping like lobia/chillies in satwar, paddy in Khas

and kashturi bhindi & vegetables in kalmegh medicinal crops, crop diversification and adopting modern technology.

He had been engaged in production & management of medicinal & aromatic plants such as approximately 105 kinds of medicinal & aromatic planting material maintained in his nursery & selling their planting material from 2005 to 2007. Further, he started commercial cultivation of satawar, khas,kalmegh & kasturi Bhindi(Musakdana) medicinal crops having satawar+lobia/chillies(1:1), khas+paddy cv. Rajendra Bhagwati & kalmegh+kasturi Bhindi & seasonal vegetable as intercropping also.

He grows nursery of satawar in first week of May & planting about 3 month old seedling at 1mX0.6m spacing in last week of july to august in 0.90acre & harvesting at 2years after planting yielding 250q as raw roots or 25q their dry product, kalmegh sows in nursery in first week of June & planting one month old seedling in July in an area of 0.45acre and taken 3 cuttings at 3.5 months interval ,yielding 5-6q per cutting, Kasturi Bhindi sows in nursery in first week of July & planting one month old seedling in 1st week of August as intercrop between spacing of kalmegh & harvesting from 2nd fortnight of April to April, yielding 2q raw material. He earns 3-4 thousand per day from selling of planting material @ 250/plant on cost of production of maintenance in nursery of 25 rupees per plant from 2005 to 2007. Now , a days he earns 2.5 lakh from satawar either selling as raw 250q @ 500/q or as a dry product 25q @ 15000-20000 day production @ 50000-90000/q over the cost of 20000, Rs 45000-54000 from kalmegh 15-18q@3000/q over the cost of 5000, Rs. 30000 from kasturi Bhindi (Musakdana)2q@15000/q on the cost of 1000 as intercropping in kalmegh , Rs. 15000-20000 from paddy seasonal vegetable grown as intercropping in satawar & khas on the cost main medicinal crops except seed. By doing so, he has been benefitted immensely is reflected from his income of Rs. 30-32000 per month from commercial cultivation of medicinal plant , preparation of medicine & medical treatments of koshi as well as other district or states from the country , which has been pasted photographs of slips as compared to below as compared to Rs. 4000/month.

Sri Bhartiya has 4 daughters & 2 sons. His elder daughter Smt. Rachana Bhartiya is posted at Patarghat as Block development officer (BDO), through selection of BPSC. Whose paper was broadcasted from BBC at many times & awarded from sologan on Apadaprahadhan, 2nd daughter Ragini Ranjan is posted at Murliganj as Executive Assisstant in health department of Bihar, 3rd daughter, Smt. Sweta Saran Bhartiya has been topped in last year in economics honours , Elder son Mr. Swadesh Deepak , Younger son Mr. Raj Darshan & 4th daughter is studying in MCA(Ignou, Bhagalpur), 8th& 3rd class respectively.

His wife Smt. Madhumala Bhartiya is active,daring,knowledgeable & vocal medicinal grower progressive women farmers as a SAC member of KVK, Madhepura is recognized as medicinal grower & her husband Prof. Bhartiya is recognized as a Ayurvedic doctor in not only Madhepura district but also in koshi, kamishanari, Bihar & different states of india level. In month of feb 2014,prof. Bhartiya delivered speech as delegates in seminar organized by India govt. in Vikash Bhawan, New Delhi in front of honorable chief guest depty. President of India(Dr. Hamis Ansari) , DDG, ICAR, delegates of govt. or non-governmental organization of various country of the world & awarded a certificate as a participant & speaker on Dibya Ausadhiya Podhe Unse Nirmit Utpad, Panchagabya & Samagra Gramin Vikash me yogdan.

- Economics of the farm:

Crop/ Livestock/ Fish/ Enterprise	Area(Acre)	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Nursery planting material of aromatic & medicinal plants from 2005-2007	105 kinds of medicinal & aromatic planting material maintained in his nursery	150-225 @25+225@25 =3750-5625	30000-45000/month	26250-39375/month
Satawar+lobia/chillies: Satawar	0.90	20000	250q@500= 125000+seed 15000=140000	120000 in 2 years
Lobia/chilly	0.90	2000	10000	8000
Khas+Paddy:Khas	0.90	18000	110000	92000
Paddy	0.90	14000	28000	14000
Kalmegh+kasturi Bhindi(Musk daana): kalmegh	0.45	5000	15-18q@3000= 45000-54000	40000-49000
Muskdaanaa	0.45	1000	2q@15000	29000
Total		63750-65625	378000-402000	329250-351375

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

* Income level before adopting such farming:

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Paddy-wheat-moong: Paddy	1.80	14796	20q@1000=20000	5204
Wheat	1.80	16416	16q@1500=24000	7584
Moong	1.0	3000	2.5q@5500=13750	10750
Total	4.60	34212	57750	23538



6.FARMERS SUCCESS STORY : SAMIT KUMAR

<u>अंडा उत्पादन एवं कुकुट पालन मेरी जीविका चलाने का प्रमुख संसाधन</u>

1. **किसान का नाम** : समित कुमार
2. **पिता का नाम**: स्व .धीरेन्द्र नारायण सिंह
3. **पूरा पता** -: ग्राम -तेलवारा रुपौली ,प्रखंड -सिंहेश्वर ,जिला – मधेपुरा
4. **मोबाईल सं** : .9709317724
5. **खेती योग्य भूमि**: 9 एकड़
6. **सिंचित क्षेत्र**: 7 एकड़
7. **असिंचित क्षेत्र**: 2 एकड़
8. **किसान का प्रकार** : व्यक्तिगत एवं सामूहिक
9. **सफलता की कहानी के पूर्व का संक्षिप्त विवरण 250)शब्दों में(**

मैसमित कुमार ,पिता –स्व .धीरेन्द्र नारायण सिंह ,ग्राम -तेलवारा रुपौली ,प्रखंड – सिंहेश्वर ,जिला – मधेपुरा का निवासी हूँ |मेरा स्थाई पता ग्रा .पस्तपार ,प्रखंड पतरघट ,जिला – सहरसा है |इन्हें एक पुत्री है |ये 1998में .M.Comकी डिग्री पूर्ण करने के बाद कुछ दिनों तक मोहनियां कैमूर में कम्फेट यूनिट में नौकरी किये लेकिन इनका मन वहां नहीं लगा और नौकरी छोड़कर घर वापस आ गए |घर आकर खेती कार्य में जुट गए लेकिन धान एवं गेहूँ की परंपरागत खेती से अच्छा लाभ नहीं होता था जिसके कारण इन्हें खेती के अलावे अन्य रोजगार करने की इच्छा प्रबल हो गई |इसके बाद इन्होने एक दिन कृषि विज्ञान केन्द्र ,मधेपुरा आये और इन्हें कृषि विज्ञान केन्द्र ,मधेपुरा द्वारा आयोजित मुर्गीपालन प्रशिक्षण के बारे में बताया गया और इन्होने इस प्रशिक्षण को किया एवं यहाँ के वैज्ञानिको के संपर्क में रहा |

10.सफलता की कहानी 500)शब्दों में(

अपनी आर्थिक परेशानियों से जूझते हुए इन्हें कोई नया रोजगार करने की इच्छा हुई परन्तु कौन सा रोजगार किया जाय यह इनके दिमाग में स्पष्ट नहीं हो पा रहा था |इसी क्रम में ये एक दिन मधेपुरा अपने साथियों के साथ आये और इन्हें किसी के द्वारा कृषि विज्ञान केन्द्र ,मधेपुरा द्वारा आयोजित होने वाले मुर्गीपालन के प्रशिक्षण के बारे में पता चला ,जिसकी पूर्ण जानकारी लेने ये कृषि विज्ञान केन्द्र ,मधेपुरा पहुंचे और इन्होने अपना दुःख-दर्द बताया |इसके बाद इन्होने डॉ ,सुनील कुमार ,पशुपालन वैज्ञानिक से सम्पर्क कर नयी तरीको से मुर्गीपालन एवं लेयर फार्मिंग कर अंडा उत्पादन के बारे में जानकारी हासिल किये |जानकारी हासिल करने के बाद मेरी रूचि इस क्षेत्र में कार्य करने के लिए प्रेरित हुई |उसके उपरांत मै घर आकर लेयर फार्मिंग कर अंडा उत्पादन के लिए अपने भाई एवं संबंधियों के बीच चर्चा किया चुकी इस कार्य में ज्यादा पूंजी की आवश्यकता थी इसलिए अपने दोस्त एवं संबंधियों के साथ मिलकर लेयर फार्मिंग करने का निर्णय किया और अपने संबंधी विकास कुमार सिंह ,अर्रहा ,पंकज कुमार ,पस्तपार , जिवेश कुमार सिंह ,नवहट्टा एवं संजीव कुमार सिंह ,नया बाजार सहरसा के साथ मिलकर तेलवारा ,रुपौली ,प्रखंड – सिंहेश्वर ,जिला – मधेपुरा में 2एकड़ जमीन लीज पर लेकर) 10000दस हजार (चूजो के लिए लेयर फर्म तैयार कर जनवरी 2017से लेयर फार्मिंग का कार्य प्रारंभ किया |इस कार्य में कृषि विज्ञान केन्द्र ,मधेपुरा के वैज्ञानिको द्वारा समय-समय पर सुझाव एवं जानकारी भी मिलता रहा जिससे मुझे इस कार्य को करने में कोई परेशानी नहीं हुई और आज मेरा यह कार्य काफी फल-फुल गया है |मै अपने परिवार के साथ अपना जीवन यापन खुशहाल व्यतीत कर रहा हूँ |

इसके लिए मै कृषि विज्ञान केन्द्र ,मधेपुरा एवं यहाँ के वैज्ञानिको को धन्यवाद देता हूँ ,जिन्होंने मुझे इस कार्य को करने के लिए प्रेरित एवं उत्साहित किया |

11. क्षेत्रावार लागत मूल्य ,प्राप्त आमद एवं शुद्ध आय का विवरण)रु .में(

क्र.सं.	विवरण	अपनाने के पूर्व का विवरण		अपनाने के बाद का विवरण		
		प्रक्षेत्र 1	कुल	प्रक्षेत्र 1	प्रक्षेत्र 2	कुल
1	फसल /क्षेत्र /कार्य का	धान	धान ,गेहूं	धान ,गेहूँ	अंडा उत्पादन	धान ,गेहूँ एवं अंडा

	नाम	गेहूँ			10000)लेयर (	उत्पादन
2	फसल मौसम में फसल / उत्पाद की मात्रा)क्वी.में (	धान 16क्वी/.एकड़ . पुआल 16क्वी/एकड़ गेहूं 10क्वी/.एकड़ भूसा 10क्वी/.एकड़	144क्वी. 144क्वी. 90क्वी. 90क्वी.	144क्वी. 144क्वी. 90क्वी. 90क्वी.	328500पीस / बर्ष	
3	उत्पाद की बिक्री मूल्य दर)रु/.क्वी(.	धान 1300रु/.क्वी. पुआल 200रु/.क्वी. गेहूं 1550रु/.क्वी . भूसा 400रु/.क्वी .	187200 28800 139500 36000	187200 28800 139500 36000	13140000रु. 4)रु/.पीस(	
4	उपादान का मूल्य)बीज,खाद , कीटनाशी,जुताई-बुआई,सिंचाई,कटाई,दौनी एवं अन्य(	धान 12000 – गेहूं 10000 –	108000 90000	108000 90000	9829400रु.	
6	मजदुर खर्च)रु.में(	धान 2000 गेहूं 2000	18000 18000	18000 18000	400000रु.	
7	अन्य लागत खर्च)रु.में(	धान 1000 गेहूं 500	9000 4500	9000 4500	200000रु.	
8	कुल लागत खर्च)रु.में(	धान 15000 गेहूं 12500	135000 112500	135000 112500	10429400रु .	
9	शुद्ध आय /बचत)रु.में(	धान 9000 गेहूँ 7000	81000 63000	81000 63000	2710600	
.10	**व्यक्तिगत वार्षिक शुद्ध आय**			**144000**	**542120रु .**	**686120रु. वार्षिक**

12. फोटो -:

हिंदुस्तान 14.12.17

छात्राओं ने ली मुर्गी पालन से संबंधित जानकारी

प्रशिक्षण

ज्ञानवर्धन

7.FARMERS SUCCESS STORY : BINOD KUMAR SAH

1. **किसान का नाम** बिनोद कुमार साह :
2. **पिता** :**पति का नाम** /श्रीकृतनारायण साह
3. **पूरा पता**:ग्राम– जिला ,ग्वालपाड़ा -प्रखंड ,रेशना - मधेपुरा
4. **मोबाईल सं** :.9939663849
5. **खेती योग्य भूमि** एकड़ 70:
6. **सिंचित क्षेत्र** एकड़ 70:
7. **असिंचित क्षेत्र**(शून्य) 00 :
8. **किसान का प्रकार** मध्यम :
9. **सफलता की कहानी के पूर्व का संक्षिप्त विवरण 250)शब्दों में(**

मै बिनोद कुमार साह– पिता , कृतनारायण साह – प्रखंड ,रेशना -ग्राम , ग्वालपाड़ा– जिला , मधेपुरा का निवासी हूँ मै | कर रही है .एड.मेरा छोटा भाई संगीत से पढाई कर रहा है तथा मेरी बहन एम | मेरे चार भाई और एक बहन है | बड़ 11 बच्चे एवं 6 जिसमे ,मै संयुक्त परिवार में रहता हूँ |घर का सबसे बड़ा बेटा हूँे लोग हैं मै भी इंटर की पढाई | पोषण का खर्च मेरे पिताजी -आलमनगर से की तथा पूरे परिवार का भरण ,खुरहा ,रामखिलावन महाविद्यालय -किसी तरह परिवार का भरण ,नी बहुत कम होती थीपरन्तु परंपरागत खेती से आमद ,परंपरा खेती से ही करते थे पिताजी की तबियत खराब | पोषण चल रहा था रहने लगी तबसे मै पिताजी का खेती में हाथ बटाने का सोचा |

10. **सफलता की कहानी 500)शब्दों में(**

मैंने इंटर की डिग्री हासिल करने के बाद पिताजी की खेती परम्परागत तरीके से करने लगा मेरे पास कुल खेती योग्य | 43) जिसमे रबी में मक्का ,एकड़ है 70 भूमिएकड़ ,(गेहूं 13)एकड़ ,(मसूर 2)एकड़ ,(राई 2)एकड़ ,(आलू 10)एकड़ (35) एवं खरीफ में धानएकड़परन्तु आधुनिक खेती से जुड़े तकनीक एवं | में परम्परागत तरीके से करता था (तभी एक | जानकारी प्राप्त करने की इच्छा होती थी कि ऐसा क्या करूं जिससे कम लागत पर ज्यादा मुनाफा पा सकूं दिनभाग्यवश मेरे दरवाजे पर कृषि विज्ञानं केन्द्रमधेपुरा की शीशा परियोजना में पदस्थापित श्री कौशलेन्द्र कुमार , ल लगाने हेतु आये एवंट्रायजीरो टीलेज से धान की बुआई कर कम लागत में ज्यादा आमदनी कैसे मिलेगी से संबंधित सारी तकनीकी जानकारियाँ दी जिससे प्रेरित होकर मै अपने यहाँ जीरोटिलेज से धान की सीधी बुआई पर ट्रायल 5 लगाए तथाकृषि विज्ञान केन्द्रसमय पर-समय मधेपुरा के वैज्ञानिकों से भी , तकनीकी जानकारी प्राप्त करते रहे एवं कृषि विज्ञान केन्द्र मधेपुरा द्वारा ,जीरो टिलेज से धान की खेती विषय पर दिए जा रहे प्रशिक्षण में भाग लिया एवं जीरो टिलेज से जुड़े सारे तकनीकी जानकारी से भी अवगत हुआ |खेती की तैयारी नर्सरी की तैयारी एवं ,कदवा ,) -/5000 रोपाई पर प्रति एकड़ होने वाले लगभगपांच हजार) -/175000 एकड़ में 35 रूपये मे कमी आने से कुल (एक लाख पचहत्तर हजार.रु (की आशातीत बचत हुई साथ ही इस तकनीक से लगे हुए फसल को एवं कृषि CSISA बगल के किसान प्रक्षेत्र भ्रमण के दौरान लहलहाते फसलो को देखकर -मधेपुरा के वैज्ञानिको व अगल ,विज्ञान केन्द्र धान में आधुनिक जीरोटिलेज मशीन के उपयोग से परंपर | काफी खुश हुए एवं मुझे शाबाशी दिएागत विधि से खेती करने की तुलना में कुल) -/84875चौरासी हजार आठ सौ पचहत्तर ,मृद्धि बढ़ी हैशुद्ध आय में वृद्धि होने से मेरी स .रु (परियोजना के वैज्ञानिको एवं तकनीकी सहायको को धन्यवाद CSISA मधेपुरा एवं ,इसके लिए मै कृषि विज्ञान केन्द्र खेती पर होने | देता हूँवाले व्यय व समय की बचत एवं कृषि विज्ञान केन्द्रमधेपुरा के मार्गदर्शन एवं सहयोग को , एकड़ में 13 में गेहूं की बुआई अपने जीरोटिलेज मशीन से 2017 रीदा और रबीदेखते हुए एक जिरोटिलेज मशीन ख भागलपुर ,सबौर ,को बिहार कृषि विश्वविद्यालय 04.02.18 जिसको दिनांक ,शुरू कीके माननीय कुलपति डॉअजय . उमेश सिंह .समन्वयक डॉ सह अधिष्ठाता सह प्राचार्य व क्षेत्रीय ,सोहाने.के.आर .निदेशक प्रसार शिक्षा डॉ ,कुमार सिंह 150 बगल गांव के लगभग-के वैज्ञानिको व तकनीकी सहायको एवं अगल CSISA मधेपुरा एवं ,एवं कृषि विज्ञान केन्द्र किसान जीरोटिलेज सेे ट्रायल एवं अन्य गेहूं के फसलो के प्रक्षेत्र का भ्रमण किये 7 प्रोजेक्ट अंतर्गत लगे कुल CSISA होदय ने लहलहाते फसलो को देखकर खुश हुए और मुझे शाबाशी दिए तथा अन्य किसानो ने एवं माननीय कुलपति म श्री बिनोद कुमार साह से प्रेरित होकर कुलपति महोदय को विश्वास दिलाया कि आगे से हम सभी किसान भाई भी इसी विधि से धान एवं गेहूं की खेती करेंगे |

11. **क्षेत्रावार लागत मूल्य(में .रु) वं शुद्ध आय का विवरणप्राप्त आमद ए ,**

क्र .सं.	विवरण	अपनाने के पूर्व का विवरण(प्रति एकड़)		(जीरोटिलेज)अपनाने के बाद का विवरण(प्रति एकड़)	
		मात्रा	खर्च (में .रु)	मात्रा	खर्च (में .रु)

1	बीज	.किलो/.रु 235@ .किलो 6	.रु 1410		.किलो/.रु 235@ .किलो 7	.रु 1645
2	खाद	DAP 30किलो25@. रु . UREA 60किलो.रु 6.6@. MOP 70किलो11.6@. रु .	750 396 812	1958 .रु	DAP 30किलो25@. रु . UREA 50किलो.रु 6.6@. MOP 30किलो11.6@. रु .	750 330 348 .रु 1428
3	जुताई ,बुआई ,कदवा) रोपाई (		4900			700
4	सिंचाई		1000			1000
5	खरपतवार		1000			700
6	मजदूरी		4550			4320
7	दौनी		6100			6000
8	कुल खर्च		20918			15793
9	उपज	26क्विंटल			24 क्विंटल	
10	उत्पाद का बिक्री मूल्य		1350			1350
11	कुल आमदनी		35100			32400
12	कुल बचत(प्रति एकड़)		14182			16607
13	कुल शुद्ध बचत 35) एकड़(		496370			581245

नोट | की वृद्धि हुई .रू 84875 जीरो टिलेज अपनाने के बाद परम्परागत विधि के तुलना में कुल शुद्ध आय में :

12. सफलता के लिए महत्वपूर्ण तत्व-:

जीरोटिलेज से धान की सीधी बुआई एवं गेहूं की बुआई का क्षेत्रफल बढ़ा |

13. स्थानीय स्तर पर किसानो के बीच सफलता की कहानी का प्रभाव -:

सभी किसानो ने श्री बिनोद कुमार साह से प्रेरित होकर कुलपति महोदयसबौर ,कृषि विश्वविद्यालय बिहार , | को विश्वास दिलाया कि आगे से हम सभी किसान भाई भी इसी विधि से धान एवं गेहूं की खेती करेंगे

14. फोटो-:

7. FARMERS SUCCESS STORY : SRI CHANDAN KUMAR JHA

Sl. No.	PARTICULARS		ANSWER
1	Name of farmer	:	**Chandan Kumar Jha**
	Village	:	Singarpur
	Block	:	**Udakisunganj**
	District	:	**Madhepura**
	Telephone no.		**8651832928**
	Aadhar No.	:	**255518855135**
2	Area of Farm: < 02 hectare- > 02 ha and upto 04 ha. >04 ha	:	 **03 ha.**
3	Number of milking / any cattle's - No. of Cow No. of Buffalow Others (Goats)	: :	 02
4	Activities of Residue Management	:	
5	Area of pond (If yes) No. with size	: :	02 nonfunctional
6	KrishiVigyan Kendra / University from which you are benefitted	:	**Krishi Vigyan Kendra, Madhepura**
7	Enterprises- (No./Name and their outcome) Attached suitable photograph for each enterprises	:	**Medicinal& Aromatic plant.**  
8	Innovation- Name and source of knowledge and their outcome:	:	**Medicinal & Aromatics (Khas, Mentha, Shatawar, Kalmegh)** **Krishi Vigyan Kendra & ATMA, Madhepura**
9	How many farmer benefitted from your enterprise-	:	**12**
10	Average growth rate in last 03 year- Enterprise wise growth rate for last 03 years:	:	**Year — Annual Income** **2016-17 — 106000/-** **2017-18 — 278500/-** **2018-19 — 424000/-**
10	Prize / award received from any Institute-	:	**Recognize by CIMAP, Lucknow through ATMA, Madhepura**

11	Brief description of your achievement-	:	ChandanJha is large farmer having 3 ha. of land holding. He cultivated crops by traditional method. He came in contact of KVK Scientists for cultivation of aromatic and medicinal crop training. He get training from KVK, Madhepura and CIMAP, Lucknow through ATMA, Madhepura. Firstly he cultivated Asparagus and Kalmegh, Khas and get more price. He expanse their cultivated area by Khas, Mentha, Asparagus, Kalmegh etc. He get more income by extraction of Oil (Khas& Mentha). Approx annual income is about 424000.
12	Any information If available	:	Trying to motivate nearby farming community.

9.FARMERS SUCCESS STORY : SMT. RINKI KUMARI

Sl. No.	**PARTICULARS**		**ANSWER**
1	Name of farmer	:	**RinkiKumari**
	Village	:	Babhangama
	Block	:	**Bihariganj**
	District	:	**Madhepura**
	Telephone no.		**9661985580**
	Aadhar No.	:	**444187995151**
2	Area of Farm: < 02 hectare- > 02 ha and upto 04 ha. >04 ha	:	**2 ha.**
3	Number of milking / any cattle's - No. of Cow No. of Buffalow Others	:	05
4	Activities of Residue Management	:	
5	Area of pond (If yes) No. with size	: :	
6	KrishiVigyan Kendra / University from which you are benefitted	:	**Krishi Vigyan Kendra, Madhepura**
7	Enterprises- (No./Name and their outcome) Attached suitable photograph for each enterprises	:	**Mushroom Cultivation and Medicinal plant** 
8	Innovation- Name and source of knowledge and their outcome:	:	**Cultivation of Mushroom and Medicinal plant (Apparasus, Kalmegh)** **Krishi Vigyan Kendra & AATMA, Madhepura** **Annual income 225000/-.**
9	How many farmer benefitted from your enterprise-	:	**30**
10	Average growth rate in last 03 year-	:	**Year** **Annual Income**

	Enterprise wise growth rate for last 03 years:	**2016-17** **2017-18** **2018-19**	**65000/-** **180000/-** **225000/-**
10	Prize / award received from any Institute-	**:**	
11	Brief description of your achievement-	**:**	She is marginal farmer. She cultivated crop like paddy, wheat & maize by traditional method. There is no more benefit for their livelihood.One day she came in contact of KVK, Madhepura scientists through kisanchaupal. She fully interested in Mushroom cultivation and after one year she also committed to 100 bag of mushroom and introduced medicinal & Aromatic plant. She was very happy to adopted new technology like mushroom cultivation and also cultivated medicinal & aromatic plant. The annul income is about 225000.
12	Any information If available	**:**	

10. FARMERS SUCCESS STORY : SRI VIBHASH KUMAR

Name and address of the farmer: Sri Vibhash Kumar

Address : Vill.-Sadhua
PO : Tulsibari
Block : Madhepura
Dist. : Madhepura
PIN : 852113

- Contact no. (s):8298647504
- Age:35
- Holding size (in acre):2 Acre
- Educational qualification:I.A
- Experience in farming:10 Years

- Brief description of the farm/ enterprise (Please refer to the sample provided):

A farmer Sri Vibhash Kumar aged 35 year of village Shadhuwa having 2 acre of cultivable land. He had been growing traditional crop like paddy and wheat 10 years before there by his income was very low.

After getting training of new technology from KVK, Madhepura he started cultivation of vegetable,goatry and livestock production from last five year. He is very much interested to grow the vegetable intercrop(eg: cauliflower+amaranthus and cabbage+amarnthus/palak from August to February, and bottle guard+okra & sponge guard+okra+amranthus from February to july.

He works hard in his land in day hour and self market his vegetable in evening hour to madhepura city which is located only two KM away from his village.

He getting maximum benefit by self marketing of own vegetable production. He has four goats,two buffalo and one pair bullocks also. His annual income from above enterprise is Rs. 3 Lakh as compare to Rs. 20,000/= from traditional cultivation. By getting this income he purchased 0.25 acre of cultivable land, make own brick house and his sons getting well education from a reputed public school of Madhepura district.

- Economics of the farm:

Crop/ Livestock/ Fish/ Enterprise	Area(Acre)	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Caulliflower+Amranthus/Palak	0.25	3100	75000	71,900
Cabbage+Amranthus+Palak	0.25	3200	52500	49300
Bottle guard+Okra+Amranthus	0.25	3300	77000	73700
Sponge guard+okra+amranthus	0.25	3150	72000	68850
Goat	4(No.)	1200	12500	11300
Buffalo	1 milch	23375	48600	25225
Total		37325	337600	300275

* Income level before adopting such farming:

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Wheat	1 Acre	9120	15900	6780
Paddy	1 Acre	8220	14740	6520
Bullocks	2 Nos.	16000	22700	6700
Total		33340	53340	20000

- Selected action photographs (3-4 in no.):

23. Capacity building of KVK Staff / Trainers:

Agronomy

a. Number of staff trained: 01
b. Area of training:

- Winter School on "Crop Management Strategies under Changing Climate"on dated 06-21.10.2012
- **Advances in Higher Agricultural Education for Quality Assurance and Vocational Opportunities on dated 03-23.01.2019.**

c. Utilization of updated knowledge: For farmers
d. Number of Workshops / Seminars attended: 02

Animal Sc.

a. Number of staff trained: 01
b. Area of training: Winter School at NDRI, Karnal on " National Strategies to enhance Livestock productivity and farm economy from 05-25th sep 2018
c. Utilization of updated knowledge: For farmers
d. Number of Workshops / Seminars attended: 01

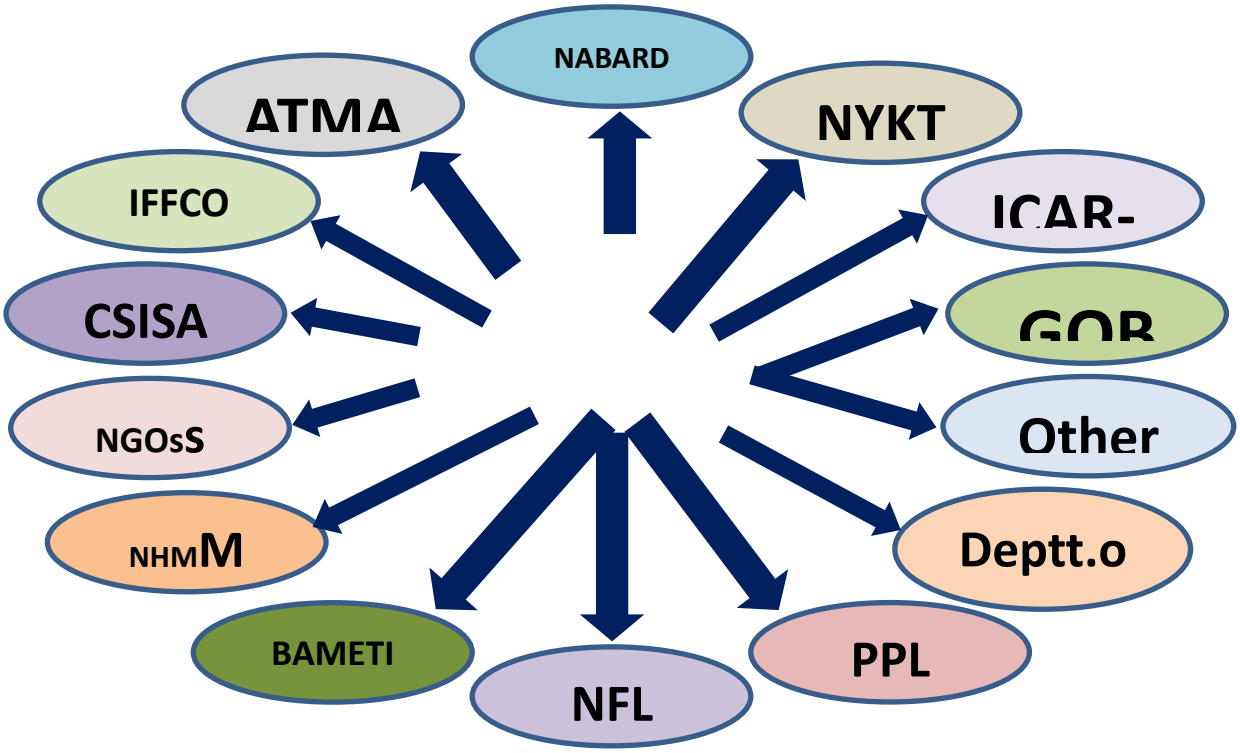
Entomology

a. Number of staff trained: 01
b. Area of training:

- Summer School on "Business incubation and value chain integration for doubling farmers income dated 13.08-02.09.2018
- Minimizing post harvest losses from store grain insect pest:A step towards sustainable food security on dated 16-25.07.2018

c. Utilization of updated knowledge: For farmers
d. Number of Workshops / Seminars attended: 01

24. Linkage establishment with other Govt. Department / NGOs



Establishment	Area of collaboration / interaction
ATMA	Technical advisory and participation at various training programme Farmer-Scientist meet -7
DAO,GOB	Technical advisory and participation at various training programme

DHO,GOB	Technical advisory and participation at various training programme
CHRISTIAN SOCIETY	Training , technical advisiory and supported through FLD programme. Help in development in kitchen /nutritional gardening
World vision	
Help a child	
Nehru yuva kendra	Provide technical support, resource person and venue for training programme
NFL	
PPL	
NIAM, JAIPUR	
SBI,RSETI	Provide resource person for training at his centre.
Coconut Development Board, Singheswar	Provide resource person for training at his centre.
JEEVIKA	Technical advisory and participation at various training programme
Other KVK's	Participation in meeting, Conducting Training Programme, joint implementation etc.
CIMAP	Technical advisory and participation at various training programme, supply of planting material.
RAU	Training and FLD
IARI, Regional research station, PUSA	Outreach programme

25. Revolving Fund Status (Rs):

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)
Opening Balance	16,91,000	20,01,000	30,42,565.68	34,84,096.68	4288655.68	5096250.68	6108561.68	6508091.08
Receipt	8,50,000	11,64,955	55,40,000	15,73,364	8,07,595	2121390.00	1535486.30	2434962.00
Expenditure	5,40,000	6,63,919	48,60,000	7,66,499		1135038.00	1105147.90	1175126.00
Closing Balance	20,01,000	30,42,565.68	34,84,096.68	42,88,655.68	5096250.68	6108561.68	6508091.08	7767927.08
Net Balance in hand as on 1 st April	20,01,000	30,42,565.68	34,84,096.68	4288655.68	5091400.68	6108561.68	6508091.08	7767927.08

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

YEAR 2011-12

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Krishi vikas utsav	**ATMA, Madhepura**	**NIL**
Rabi Mahotsav	**ATMA, Madhepura**	**NIL**
Scaling of water productivity in agriculture	**ICAR, Patna Centre**	**NIL**
Ganna Vikas Utsav	**Sugarcane depttt. Bihar**	**NIL**

YEAR 2012-13

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Bi-Monthly Kishan Salahkar training Programme	**RAU, Pusa Samstipur**	**Ongoing (2.85 L)**

YEAR 2013-14

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Farmers scientist interaction	ATMA, Madhepura	20,000

YEAR 2015-16

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Seed Production of paddy	Seed Sale	5,66,092
Seed production of wheat	Seed Sale	6,87,839
Mango +Turmeric Production	Seed Sale	80,000
Rye	Seed Sale	
Lentil	Seed Sale	
Mango Orchard	Fruit sale	80,000
Litchi Seedlings	Sale of seedlings	10,000
Potato	Sale	
Cow	sale	

YEAR 2017-18

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Sankalp Se Siddhi	ICAR	**0.80**
Kisan Pathsala Under PAIY	ATMA	**1.471**
Innovative activities	ATMA	**0.979**
Assessment Refinement validation & Education	ATMA	**0.50**
Farmers Scientist Interaction	ATMA	**0.20**
FCAC Program	ATMA	**0.02**
World Soil Day	ICAR	**0.80**
Farmers awareness programme & stakeholder workshop on Makhana	NIAM	**0.60**
CSISA-CIMMYT Project	CSISA	**4.35**

YEAR 2018-19

Name of Programme	Source of Fund	Amount in Lakh(Rs.)
Assessment & Refinement	ATMA	**0.20**
Farmers Scientist Interaction	ATMA	**0.40**
CSISA Project	CIMMYT	**3.00**
Award Programme	NIAM	**0.17300**
RAWE	MBAC, Agwanpur	**0.33**

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

Crop/variety	Year of testing	Best suited varieties
Paddy: a. PNR 381 b. Pusa Sugandh 5	2013-2015	Pusa Sugandh 5

c. Pusa 1176		
Wheat a. HD 2733 b. HD 2824 c. HD 2967	2013-16	HD 2967
Wheat a. HD 2985 b. HI 1563 c. HW 2045	2013-16	HI 1563
Groundnut a. b. c.		
Others		

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

IARI OUTREACH PROGRAMME KHARIF 2014
ASSESSMENT OF DIFFERENT SCENTED & FINE VARIETY OF PADDY BY RESEARCH STATION, PUSA

S.NO.	NAME OF FARMER	VILLAGE	BLOCK	D/S	VARIETY	YIELD
1	Rajendra Pd Yadav	Aurahi	Gamhariya	21.07.2014	Pusa 44 PNR 381	34.78 27.5
2	Sikandar Kumar	Aurahi	Gamhariya	25.07.2014	Sugandh 5	36.5
3	Dharmendra Kumar	Aurahi	Gamhariya	22.07.2014	Pusa 44 PNR 381 Sugandh 5	33.59 25.9 37.0
4	Upendra Nr Yadav	Sukhasan	Singheshwar	23.07.2014	Pusa 44 PNR 381 Sugandh 5	35.82 23.38 39.0
5	Shambhu Pd Singh	Sahpur	Gwalpara	24.07.2014	Pusa 44 PNR 381 Sugandh 5	36.38 26.5 38.35
6	Pramod Kumar	Bakhri	Madhepura	21.07.2014	PNR 381	27.38
7	Ranjit Kr Ranjan	Mora Baghla	Shankarpur	22.07.2014	Pusa 44 PNR 381 Sugandh 5	32.92 28.0 35.92
8	Rajesh Kumar	Baisadh	Kumarkhand	23.07.2014	PNR 381	25.0
9	Sushil Kumar	Bakhri	Madhepura	25.07.2014	Pusa 44 PNR 381	37.88 35.85
10	Neeraj Kumar	Baisadh	Kumarkhand	24.07.2014	Pusa 44 PNR 381 Sugandh 5	38.90 28.7 37.72
11	Ashok Kumar	Mathahi	Madhepura	22.07.2014	Sugandh 5	36.75
12	Ravendra Yadav	Mathahi	Madhepura	21.07.2014	Pusa 44	35.38
13	Amit Kumar	Arraha	Madhepura	23.07.14	Pusa 44 PNR 381 Sugandh 5	35.55 27.50 38.97

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

Impact on Introduction of new varities.

Generally, low yielding local cv. Moohtehri , Jaya was being cultivated before 2005. Farmers of Madhepura district was disappointed due to receive low yield of paddy.In view of it, KVK, Madhepura started seed production of high yielding cultivars Rajendra Mansoori on farmers field during 2005 and 2006-07. After that, this variety was given as demonstration under FLD during 2007-08 and 2008-09 and succeeding year.Presently, this variety was popularized among most of farmers covering about 25-30% of paddy cultivated area.Farmer is happy to receive higher yield and benefit due to introduction of this higher yield producing variety. Along with it Rye cultivar R. Pichheti was demonstrated at 20 farmers in an area of 8ha. during 2006-07 and 2008-09 respectively.Succeeding of long duration cultivar R. Mansoori in fallow land. It intensified the cropping intensity of this district yield of paddy as well as Rye enhanced 13-82% of this district.

ENHANCING AGRICULTURAL PRODUCTIVITY IN FLOOD AFFECTED AREA OF THE DISTRICT

In 2008 Madhepura district was also affected by Koshi flood in which 23049 ha land severely affected by sand deposition. The area having up to 6" sand deposits, the farmers leveled the land by their own or from the support of Government or others and started raising traditional crop of Paddy, Wheat, Greengram. But harvesting low yield of paddy wheat and greengram to the tune of 11.57q per ha, 14.8q/ha and 5.8 q/ha respectively as compared to pre flood yield i.e. 20q/ha, 28q/ha and 7.5q/ha of the concerned crop.

Honorable Vice-chancellor Dr. M.L Choudhary, B.A.U, Pusa visited flood affected area of Madhepura district in 2009 and instructed KVK Scientist to provide technical guideline for integrated crop demonstration in sand deposited flood area and assigned scientist of the KVK, Madhepura to visit that area.The KVK, Madhepura has selected two village namely Sahpur (Gwalpara Block) and Pararia (Bihariganj Block) for management of sand deposited area to built up the capacity among farmers of the flood affected area and boost them through Front Line Demonstration in post flood sand silted land. Scientist carried out their activities through meeting, Kisan gosthi and regular visits. In the series of adoption of new crops, the following activity was conducted:

1. Scientist- Farmer Interface: To know the opinion of farmers of selected village regarding the possible crops to be taken after flood in their land. The discussion resulted to undertake the cucurbits, (Water melon, tinda, pointed gouard, sponge gourd etc.).

2. Training cum Kisan Gosthi: After the decision of crop to be taken in FLD a regular training and Kisan Gosthi was organized in the selected village.

FLD Output

The following crops were undertaken under FLD during summer 2009, in the affected area which is detailed below:-

S.No.	Sand Depth (cm)	Crop	Variety	Pit size (cm)	Yield (q/ha)	Cost of Cultivation(Rs.)	Income (Rs.)	B:C
1	0-15	Lady finger	Parbhani kranti	15X15X15	60	25916	60000	2.32
2	15-30	Cow pea	Pusa Komal	15X15X15	75	29688	70000	2.36
3	30-45	Bottle gouard	Pusa Navin	30X30X30	150	22860	75000	3.28
4	45-60	Sponge gouard	Pusa Supriya	30X30X30	125	30128	62500	2.07
5	60-90	Tinda	Ludhiana	30X30X30	60	36847	60000	1.63
6	>90	Water melon	Sugar baby	30X30X30	200	35516	80000	2.25

In addition to the sand silted land the following recommendation has been found by KVK, Madhepura:-

S.No.	Level of sand silted(in inch)	Intervention/ Recommendation
1	< 6 inch	(i) Use of vermin compost & green manuring and balance dose of fertilizer (ii) Deep ploughing by mould Bold plough or disc plough to convert the sand deposited land into fertile land & cultivation of cereal crops.
2	6-24 inch	(i) Use of vermin compost & green manuring and balance dose of fertilizer (ii) Cultivation of cucurbitaceous vegetables, sunflower and Maize.
3	>24 inch	(i) Use of vermin compost & green manuring and balance dose of fertilizer (ii) Growing of mango and bamboo plantation.

Action Photographs of Sand deposited Area in Madhepura District

Most of the farmers of the District are transplanting long duration Paddy varieties such as MTU-7029, R.M-1, Vaidehi, Sudha in the low land soils. Zero tillage machine is only one alternative for sowing wheat in earlier after harvesting of these paddy and under moist soil condition. These situations in view centre had conducted a demonstration in the KVK farm.

Constant visited interaction to the KVK Scientist and finally motivated with a farmer Neeraj Kumar vill.+ P.O- Besarh via- Kumarkhand Dist.- Madhepura. This technology result the machine covered approximately 2025 acre.

The economic advantages of Zero Tillage Machine of wheat was approximately estimated as compared to traditional method and it was found that the sum of Rs. 2000=00 can be saved in field preparation, 25kg seed saving per hectare and its cost Rs. 300=00 @ 12/kg. Total benefit earned by the farmers from using Zero Tillage Machine for Wheat cultivation comes to Rs. 2300=00 per hectare as compared to traditional method. It may be great combination of KVK for this area for popularization of the technique among the farmers of Madhepura district where late sowing of wheat is a common practices.

Zero Tillage Machine make the farmer able to sowing wheat even in to 12 days earlier.

The economic advantage of Zero Tillage Machine for sowing of Wheat was approximately estimated is as follow:-

(1) Saving of field preparation	Rs.2000=00
(2) Seed saving 25 kg @ Rs. 12/kg	Rs. 300=00
(3) Irrigation saving 10 hr @ Rs.50/hr	Rs. 500=00
Total	**Rs.2800=00**

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

(Submit brief report with remarks under quote)

31. New Initiative, if any

- **Organized Training on Medicinal & Aromatic Plants with CIMAP Scientists.**

- **Cultivation of Mentha (57.0 Acres) – 29.0 qt. suckers.**
  Khas (35.0 Acres) - 07.50 Lacs slips.
  Lemon Grass(2.5 Acres) - 50,000 slips.

- **Formation of Innovative Medicinal Farmers Group.**

- **Availability of planting materials through CIMAP, Lucknow to the farming community by KVK, Madhepura under Aroma Mission at National level.**
- **Target :- Expansion of area under Medicinal & Aromatic crop cultivation at district level.**
- **Management of well developed Nursery with medicinal & horticultural crops.**
  Market Promotional Activity (Concept of contract Farming)
- **Cultivation of sugarcane intercropped with Mentha.**

- **Promotion of Orchard with Turmeric.**
- **Promotion of Zero Tillage cultivation of wheat & paddy for lowering cost of cultivation**
- **Promotion of IFS with high & ultra-high density Guava**
- **Establishment of Food Park Unit & Makhana unit.**
- **Distribution of Soil Health Card at maximum level**

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

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

YEAR 2011-12 - NIL

YEAR 2012-13 - NIL

YEAR 2013-14 - NIL

YEAR 2014-15

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
01	BEST PROGRESSIVE FARMER	BHOLA YADAV	2014	BAU, SABOUR	-	VEGETABLE GROWER
02	Best Beekers of the district	Dharmendra Kumar	2014	BAU, SABOUR	-	Beekeeping

YEAR 2015-16

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	District Progressive Farmers Award	Smt. Madhumala Bhartiy	V.C BAU, Sabour	Certificate & Shawl	Best performance in aromatic & medicinal cultivation	

YEAR 2016-17 - NIL

YEAR 2017-18

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Innovative District Progressive Farmer Award	Sri Binod Shah	2018	V.C, B.A.U, Sabour (Bhagalpur)	Shawl & Certificate	Innovative works in Agriculture

YEAR 2018-19

Sl.	Name of the	Name of the	Year	Conferring	Amount	Purpose

No.	Award	Farmer		Authority		
1.	Best Progressive farmers of the district	Sri Gulshan Kumar	2019	Hon'ble V.C, BAU, Sabour	Memento, Certificate & Shawl	Best performance in dairy production
2.	Best performance in Aromatic crops	Sri Dharmendra Kumar	2019	Director, CIMAP, Lucknow	Certificate	Bulk growth of root of Khas

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			29	168	336	25 cows	841	22	
3	Poultries introduction						40(500 birds distributed)		5(2500 tulsi leaf powder distributed)	
4	Piggery/ rabbitory introduction									
5	Planting material /seedlings produced and distributed	29	4010	184	40657	156		120	1241	
6	Fodder and grass introduction, ha				1 ha Maize(J 2006) distributed among 10 farmers	1000 napier grass slip distributed among 5 farmers				
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	5	19	21	26	4	1	109	125	**310**
2.	Agril. Exhibition	0	0	0	0	0	0	0	0	**0**
3.	Farmers' Fairs	5	2	2	8	3	2	2	2	26
4.	Radio Talk	0	0	0	0	0	0	0	0	0
5.	TV show	5	2	2	1	1	0	0	0	11
6.	Film show	0	0	0	0	0	0	1	0	1
7.	Training materials produced (a) Pamphlets (b) Video-cassette/ CD (c) Slides	15	26	22	18	17	18	21	21	**158**
8.	Farm Science Club organized	0	0	0	0	0	0	0	0	**0**
9.	*Mahila Mandals* Organized	0	0	0	0	0	0	0	0	**0**
10	Extension Training meetings organized	0	0	0	0	0	0	0	0	**0**
11	i.Kisan Ghosthi	56	38	48	5	8	132	47	44	378
	ii.Farmers Seminar	0	0	0	0	0	0	0	0	0
	iii.Lectures delivered as resource persons	0	120	0	0	0	0	0	0	120
	iv.Newspaper coverage	0	8	35	45	40	44	43	49	264
	v.Popular articles	0	3	0	12	0	0	0	0	15
	vi.Advisory Services	3	664	45	43	40	700	1500	660	3655
	vii.Scientific visit to farmers field	5	27	135	221	262	603	221	489	1963
	viii.Farmers visit to KVK	12	464	140	861	934	1696	1510	1788	7405
	ix.Diagnostic visits	10	19	12	16	15	51	109	244	476
	x.Exposure visits	0	2	0	0	0	0	0	0	2
	xi.Animal Health Camp	0	0	0	0	7	0	0	0	7
	xii.Soil test campaigns	0	377	0	0	3	0	0	0	380
	xiii.Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0
	xiv.Celebration of important days (specify)									
	World Soil Day	0	1	1	1	1	1	1	1	7
	Sankalp Se siddhi	0	0	0	0	0	0	1	1	2
	PMFBY	0	0	0	0	0	1	5	5	11
	Farm Science club converners meet	0	0	0	0	0	2	0	0	2
	xv.Farmers'- Scientists'	0	1	0	0	0	0	0	0	1

	Interaction									
	xvi.Technology week	0	1	1	1	1	1	1	1	7
	Rabi Kisan Sammelan	0	0	0	0	0	2	0	0	2
	Parthenium Awareness week	0	0	0	0	0	1	0	0	1
	SD card distribution	0	0	0	0	0	1	0	0	1
	Method Demonstration	0	0	0	1758	173	0	0	0	1931
	Others, if any	0	27	0	7	0	0	0	40	74

34. Publications made during the QRT period:

Type of Publication	Title and publishers/Journal/Magazine
Research article :	
Technical Bulletin :	
Popular article :	
Electronic Media (CD) :	
Extension Literature :	
Reports published in ICAR Reporters :	
Others, if any	

Annexure I

Pamphlets

Year	Title
2011-12	Nil harit saiwal
	Matsya palan
	Aam ke wibhinn utpad
	Dhan ke anusansit prabhbed
	Kosi badh se prabhawit bhumi ka samekit nidan
	Mitti janch- namuna lene ka tarika
	Samanwit machli palan
	Carp matsya bij utpadan
	Samanwit machli palan
	Urawarkon ki sudhta ki jhanch
	Alu ke bhandaran ki cpic vidhi
	Sincai kab or Kaise
	Krisak sahbhagita bij utpadan karkaryam
	SRI taknik se dhan ki unnat kheti
	Gehun ki vaigyanik kheti
	Bina jutai Gehun ki unnat kheti
	Aam ke juice ka sanrachan
	Sabjiyon ka bichda utpadan
	Baigan ki unnat kheti
	Aam bagichon ka parbandhan
	Owl ki unnat kheti
	Pramukh falon ke unnat prabhed
	Barsati bhindi ki unnat kheti
	Kharif mausam mein latar wali sabjiyon ki unnat kheti
	Naye fal bagon ki sthapna
	SRI taknik hetu Krisi yantr
2012-13	Japani Pudina ki kheti
	Pramukh Falo ke Unnat Prabhed
	Satawar ki kheti
	Ziro tillage se kheti
	Bund Bund se sichai
	Laser leveling takniki
	Ghehu ka saghnikaran
	Sichai kab kitni aur kaise
	Mashroom utpadan kaise aur kaiyo
	Swasth wardhak ahar
	Vermi compost kaise taiyar kare
	Rabi telhni phasalo ke vaigyanik kheti
	Kharif telhani phasalo ke vaiganik kheti
	Rabi dalhani phasalo ke unnat kheti

	Dhan ke vaigyanik kheti
	Soil health kard ka mahataw
	Garma phasal ki jankariya
	Dhan ke anusansit prabhed
	Makka ke vaiganik kheti
	Makka ke sath antwarti kheti
	Gehu ke vaiganik kheti
	Karif aur Garma Mung ke unnat kheti
	Phulgovi ke vaiganik kheti
	Pramukh phalo ke unnat kheti
	Naye phal bago ki Sthapna
2013-14	1.Potato scientific farming 2. Papaya scientific farming 3. Pyaaj ke poorane bago ka jirnoddhaar 4. ol ki unnat kheti 5. began ki unnat kheti 6. aam ke poorane bago ka jirnoddhaar 7. lattarwale sabjiyo ki kheti
	1.Drip irrigation unit ki sthapana & Sachaalan 2.Boond boond sinchai kisano k liye vardaan 3.laser leveling technique dwara sinchai jal ka prabandhan 4.Zero tillage machine kaa prayog
	Krishak Samachar (4)
	SWI,Method in wheat cultivation.6/2013-14
	Scientific cultivation of Maize 7/2013-14
	Scientific cultivation of wheat 8/2013-14
	Seed production technique 9/2013-14
	Presevation of Fruit & Vegetables-1/13-14
	Scientific storage of Fruit & Vegetables2/13-14
	Processing of of Fruit & Vegetables3/13-14
	Scientific cultivation of Makhana 9/13-14
	Rocessing storage of Seeds & grains 10/13-14
	Integrated Farming System 11/13-14
2014-15	फूलगोभीकीवैज्ञानिकखेती
	धानकीवैज्ञानिकखेती
	आकस्मिकफसलयोजना
	फसलउत्पादनमेंआवश्यक
	पोषकतत्वोंकामहत्वएवंपौधासंरक्षणमेंभूमिका
	परवलकीउन्नतखेती
	सब्जियोंकाबिचड़ाउत्पादन
	आमबगीचाकाप्रबंधन
	आलूकीवैज्ञानिकखेती
	बटेरपालन
	कोशी–क्षेत्रमेंमक्काफसलकेप्रमुखकीटोंकापर्यावरणीय–मित्रवतप्रबंधन
	कोशी–क्षेत्रमेंमक्काफसलकेप्रमुखरोगएवउनकाप्रबंधन
	फसलउत्पादनमेंआवश्यकपोषकतत्वोंकामहत्वएवंपौधासंरक्षणमेंभूमिका
	KrishakSamachar (1-3 Anka/2014-15)
	Scientificcultivation of paddy
	SWI,Method in wheatcultivation.
	Scientificcultivation of wheat
2015-16	Gai Bhais ki Pramukh naslein tatha pehchan evam aahar prabandhan
	Garbhwati gayo ki dekhbhal
	Adhunik murgi palan
	Bakri palan ek gramin vyavsay
	Scientific cultivation of Masoor
	Scientific cultivation of lentil
	Scientific cultivation of pea

	Scientific cultivation of Sunflower
	Scientific cultivation of Wheat
	Nutritional kitchen garden
	Krishak Samachar
	Pradhan Mantri Fasal Beema Yojna
	Sankar dhan mein apnai janewali kito rogo ke liye samekit prabandhan
	IPM ki unnat Krishi vidhiya
	Mahilao ke liye uttam swarojgar : Mushroom ki kheti
	Kechua Palan se labh
	Swarojgar ke liye madhumakkhi palan apnaye
2017-18	1. मक्का फसल के प्रमुख रोग एवं उनका समेकित प्रबंधन 2. धान के उन्नत प्रभेद 3. गेहूं कि वैज्ञानिक खेती
	4. महिलओं के लिए उत्तम स्वरोजगार : मशरूम की खेती 5. सूर्यमुखी का उत्पादन तकनीक एवं पौधा संरक्षण 6. स्वरोजगार के लिए मधुमक्खी पालन अपनाए 7. मसूर का उत्पादन तकनीक एवं पौधा संरक्षण 8. केंचुआ पालन के लाभ
	9. ओल की उन्नत खेती 10. ताड़ और उनके बहुमूल्य उत्पाद 11. केला उत्पादन तकनीक 12. बैंगन कि उन्नत खेती 13. सब्जियों का बिचड़ा उत्पादन तकनीक 14. ताड़ के मूल्य सम्बंधित उत्पाद बनाने कि विधि 15. लोकी कि खेती 16. बरसाती भिन्डी कि खेती 17. पोषण वाटिका
2018-19	Gehoo ki vaigyanik kheti Mushroom ki Kheti Masoor ka utpadan taknik evm Poudha Sanrakshan Soorymukhi ka utpadan taknik evm poudha sanrakshan Makka ki Vaigyanik Kheti Aam Bagichon ka prabandhan Gehoo ka saghanikaran pranali Poshan Vatika Beej Anaj Prasanskaran evm Bhandaran Sarson Vargeey fasalon me samekit rog prabandhan Sarson vargeey fasalon me samekit keet prabandhan Swarojgar ke liye madhumakkhipalan apnaye Japani Podina ki kheti Satawar ki kheti Naye fal bago ki sthapana Kela utpadan taknik Dhan ki vaigyanik kheti Bihar me dhan ki sidhi buaai ke liye shasy kriyaye Kharif telhani fasalon ki unnat kheti Gehu ke kharpatwar niyantran Rabi Dalhani fasalo ki vaigyanik kheti Rabi telhani fasalon ki unnat kheti Dhan ke kharpatwar niyantran Mitti parikshan : Kyun evm Kaise Sahtut ki kheti evm resham keet palan marg darshika

	Garbhwati gayon ki dekhbhal Bakri Palan : Ek Gramin Vyavsay Gay-Bhais ki pramukh nasle tatha pahchan evm aahar prabandhan Aadhunik Murgi Palan

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.

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

2011-12

NOT CONDUCTED in the YEAR

2012-13

CONDUTED ON DATED 09/10/2012

2013-14

CONDUTED ON DATED 18/07/2013

2014-15

CONDUTED ON DATED 21/08/2014

2015-16

CONDUTED ON DATED 27/08/2015

2016-17

CONDUTED ON DATED 22/06/2016

2017-18

CONDUTED ON DATED 14/06/2017

2018-19

CONDUTED ON DATED 14/06/2018

iii. No. of monthly workshops organized : 16

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

- **Zonal level workshop/seminar attended** :.8
- **National level workshop/seminar**:
- **State level workshop/seminar Whether the local NGO's are involved in KVKsprogrammes**

v. Whether the FPO are promoted and become visible in their activities : Yes

Year 2018-19

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	OUSE FARMERS PRODUCER COMPANY LTD.	U01100BR-2019 PTC041836	25TH APRIL 2019 VILLAGE – BAKHARI, SINGHESHWAR (MADHEPURA)	To provide seed, fertilizer etc. Purchase farmers produce Cultivation & Marketing of aromatic plants & food grains	Aromatic Oils, Food Grains	22	22,000	

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

Year 2017-18

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	To honor three progressive farm women (Mahila Kisan Diwas)	10	135(Farm Women) 15(Rawe Students)	5	Smt. Anju Devi founder of NGO Sabri Sudama, Mr. Deepak Kumar, DPM, Jiwika, Madhepura Sri Rajkumar, Director, Sabri Sudama (NGO) Smt. Madhumala Bharteey, Progressive Farm woman(Medicinal & Aromatic Plant) & Smt. Rinki Devi, Progressive farm women (Mushroom Cultivation)

Year 2018-19

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Debate contest, Speech contest and Group discussion	10	70	04	Madhepura PrakhandPramukh ,SrimatiPawanRekha Devi, Dr. TandraSharan, Smt. Rinki Devi, Smt. Manari Devi
Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Debate contest, Speech contest and Group discussion	10	70	04	Madhepura PrakhandPramukh ,SrimatiPawanRekha Devi, Dr. TandraSharan, Smt. Rinki Devi, Smt. Manari Devi

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

Year 2011-12 & Year 2012-13

KVK scientist had been involved in Participation of five group formations and capacity building of SHGs Navjoyti Kendra NGO.

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	(%)	110	127
2.	Change in productivity of 1 Rice 2 Rabi Maize 3 Wheat 4 Rapeseed Mustard 5 Sunflower	(kg/ha)	 1800 4500 1900 600 800	 2900 9000 2600 1000 2200
3.	Use of HYV (high-yielding varieties) 1 Paddy(R.M 1) 2 Paddy (Sahbhagi) 3 Paddy (Swarna Sub 1) 4Wheat (HD 2967) 5 Wheat (HI 1563)	(%)	 5 0 0 0 0	 47 3 11 35 12
4.	Use of fertilizers (NPK) (nutrient) 1. Rice 2. Mustard 3. Jute 4. Sesame 5. Lentil 6. Banana 7. Tomato 8. Brinjal 9. Cauliflower 10. Potato 11. Sunflower etc	(kg/ha)	 120:20:10 40:20:20 20:10:10 - 10:15 100:50:150 30:20:30 30:30:30 90:40:40 75:40:60 40:40:20	 100:50:25 80:40:40 40:20:20 - 20:45 200:100:300 50:40:60 50:50:50 180:80:80 150:90:120 80:90:40
5.	Use of FYM and other biofertilizers 1 Cereal crops 2 Pulse crops 3 Oilseed Crops 4 Vegetable crops	(kg/ha)	 8000-10000 2000-3000 3000-4000 10-12000	 5000-6000 1000-2000 2000-3000 12-15000
6.	Tractor/machinery	(No)	200	950
7.	Change in economic indicators (in adopted villages) (a) Net return/ha/yr (by crop/enterprise) 1.Rice 2.Mustard 3.Jute 4.Sesame 5.Lentil 6.Banana 7.Tomato 8.Potato	(No) Rs.	 11000/ha 5-7000/ha 5-7000/ha 5-7000/ha 32000/ha 32000/ha 30000/ha	 25000/ha 1000/ha 10000/ha 12-15000/ha 55000/ha 55000/ha 40-45000/ha

Signature of Head of the KVK