PROFORMA FOR ANNUAL REPORT 2013 (April 2013 to March 2014)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Tingachhiya, Katihar	Office	FAX	pckvkkatihar@rediffmail.com
	06452-246875	--	

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

Address	Telephone		E mail
	Office	FAX	vcbausabour@gmail.com
Bihar Agricultural University, Sabour, Bhagalpur, Bihar	0641- 2452606	0641- 2452604	

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. K.M. Singh	--	9430613389	kmsingh66@gmail.com

1.4. Year of sanction of KVK: March 2004

F.No.**-4-4/95/AE-1** dated **27 Feb 2004**.

1.5. Staff Position (as on 1st April, 2014)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. K.M. Singh	Programme Coordinator	Agronomy	15600-39100/30320	24.04.2012	Permanent	Gen
2	Subject Matter Specialist	Smt Basanti Kumari	Subject Matter Specialist	Home Science	15600-39100/25810	20.11.07	Permanent	SC
3	Subject Matter Specialist	Dr. Sushil Kumar Singh	Subject Matter Specialist	Agronomy	15600-39100/24320	15.06.09	Permanent	OBC
4	Subject Matter Specialist	Sri Ajay Kumar Das	Subject Matter Specialist	Horticulture	15600-39100/24320	16.06.09	Permanent	SC
5	Subject Matter Specialist	Sri Pankaj Kumar	Subject Matter Specialist	Extension Education	15600-39100/24320	16.11.09	Permanent	OBC
6	Subject Matter Specialist	Dr. Rama Kant Singh	Subject Matter Specialist	Soil Science	15600-39100/21630	16.04.12	Permanent	Gen
7	Subject Matter Specialist							
8	Programme Assistant	Smt Swarn Prabha Reddy	Programme Assistant (Lab. Tech)	B. Sc.(Ag)	9300-34800/13500	30.10.12	Permanent	OBC
9	Computer Programmer	Sri Amarendra Kumar Vikas	Programme Assistant (Computer)	M.Sc.(IT)	9300-34800/13500	13.05.13	Permanent	OBC
10	Farm Manager	Sri Om Prakash Bharti	Farm Manager	B. Sc.(Ag)	9300-34800/13500	05.11.12	Permanent	EBC
11	Accountant / Superintendent	Sri Mukesh Kumar	Assistant	M.B.A. Finance	9300-34800/13500	09.04.13	Permanent	EBC
12	Stenographer	Sri Abhay Kumar	Stenographer	B.A.	5200-20200/9910	17.07.13	Permanent	EBC
13.	Driver	Sri Dhamendra Kumar		-	5400 fixed	11.04.05	Temporary	Gen
14.	Driver							
15.	Supporting staff	Sri Arun Mandal		-	4200 fixed	01.07.05	Temporary	ST
16.	Supporting staff	Sri Ajay Kumar		-	4200	24.01.2014	Temporary	Gen

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.50
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	5.00
5.	Others with details	7.00
	Total	20.00

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of building	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	Y							
2.	Farmers Hostel					Y	350	Under use	ICAR
3.	Staff Quarters (6)					Y		Under use	ICAR
4.	Piggery unit								
5	Fencing								
6	Rain Water harvesting structure								
7	Threshing floor					Y		Under use	ICAR
8	Farm godown					Y		Under use	ICAR
9.	Dairy unit								
10.	Poultry unit					Y		Under use	ICAR
11.	Goatary unit					Y		Under use	ICAR
12.	Mushroom Lab	Y							ICAR
13.	Mushroom production unit					Y		Under use	ICAR
14.	Shade house					Y		Under use	ICAR
15.	Soil test Lab								
16.	Semicovered Threshing floor					Y		Under use	RKVY
17.	Processing Hall			Y					RKVY
18.	Generator Room					Y		Under use	RKVY
19.	Godown					Y		Under use	RKVY

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs. in lakh)	Total km. Run	Present status
Bolero Jeep	2005	4.65	1055250	Not in good condition
Tractor M.F	2005	5.00		Not in good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Bunsen Burner for LPG Gas	2014	350/-	Good	ICAR
Muffle Furnace 4”X4”X9” Chamber Size Make TANCO	2014	19500/-	Good	ICAR
Viscometer Ostwald glass	2014	350/-	Good	ICAR
Max-Min Thermometer	2014	1350/-	Good	ICAR
Hygrometer Make- Imported Digital	2014	3745/-	Good	ICAR

Automatic Vortexing Machine Cyclo Mixer TANCO make	2014	4500/-	Good	ICAR
Grinder	2014	30000/-	Good	ICAR
Mechanical Shaker	2013	29000/-	Good	ICAR
Electronic Balance	2013	68000/-	Good	ICAR
PH meter	2013	14245/-	Good	ICAR
Flame Photometer	2013	39770/-	Good	ICAR
Hot Air Oven	2013	21500/-	Good	ICAR
Hot Plate	2013	8500/-	Good	ICAR
Digital Conductivity meter	2013	10000/-	Good	ICAR
Double Distillation Unit	2013	40000/-	Good	ICAR
b. Farm machinery				
c. AV Aids				
Xerox Machine Canon	2006	1,00,000	not in good condition	ICAR
Camera (Digital)	2007	15,000	Not in good condition	ICAR
TV with DVD	2007	15,000	Good	ICAR
Generator Set	2009	49,500	Good	ICAR
Computer with Accessories	2008	50000	Good	ICAR
Digital Weighing machine	2011	19500	Good	ICAR
PA System	2011	24679	Good	ICAR
Projector with Accessories	2011	99800	Good	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power reaper Tractor operator	2012	79500	Good	ICAR
Cultivator 9 tine	2012	17500	Good	ICAR
Power Sprayer	2012	9500	Good	ICAR
Disc Harrow 12 disc	2012	38500	Good	ICAR
Tractor operated Winnower	2012	14500	Good	ICAR
Power chain sow	2012	38500	Good	ICAR
Thresher (Multi crop)	2012	87500	Good	ICAR
Rotavator	2012	87840	Good	ICAR
Disc plough 2 disc	2012	20500	Good	ICAR
Land leveler	2011	9000	Good	RF
Hand winover	2011	4000	Good	RF
Mobile Seed processing plant	2011	970000	Good	RKVY
Tractor drawn reaper	2011	57000	Good	RKVY
Zero till seed cum fertilizer drill	2011	39480	Good	RKVY

1.8. A). Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	29.07.2013	40	PRA detail provide in SAC report	Action taken by Programme Coordinator	
			Extension Education OFT should be prepared as per extension work	Action taken by SMS Extension Education	
			No repetition of the farmers in exposure visit	Action taken be Programme Coordinator	
			Soil Science OFT prepared on soil analysis based	Action taken by SMS Soil Science	
			Krishi Vigyan Kendra also uses resource person farmers	Action taken by Programme Coordinator	
			SMS Home Science needed training to provide the better out of the training	Action taken by Programme Coordinator	

** Salient recommendation of SAC in bullet form*

The general observation of Scientific Advisory Committee meeting held on 29th June 2013at Krishi Vigyan Kendra, Katihar are as follows:-

PRA detail provide in SAC report

Action taken by Programme Coordinator

Extension Education On Farm Trails should be prepare as Per Extension work

Action Taken by SMS Extension Education

SMS Home Science needed training to provide the better out of the training

Action taken be Programme Coordinator

Soil Science OFT prepare on Soil Analysis based

Action taken by SMS Soil Science

Krishi Vigyan Kendra also uses resource person farmers

Action taken by Programme Coordinator

No repetition of the farmers in exposure visit

Action taken by Programme Coordinator

2. District level data on agriculture, livestock and farming situation (2013-14)

Sl. no.	Item	Information
1	Major Farming system/enterprise	1. Paddy-Wheat based farming system 2. Paddy-Maize based farming system 3. Paddy- Mustard- Boro paddy based farming system 4. Fish Culture 5. Bamboo Production & Processing 6. Mushroom Production 7. Makhana Cultivation and primary processing 8. Poultry production

<table>
<tr><td></td><td></td><td>9. Vermi Compost production</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>Zone-II (North – East Alluvial Plain) High Temperature High Humidity Sandy to clay soil, Flood prone</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>Up land sandy soil -Suitable for maize, wheat, Banana, vegetables & fruits
Medium Sandy loam soil- Wheat, Maize, Jute, Rice, Oil seeds & pulses & vegetable & fruits cultivation
Low lying clay soil -with flood & water lodging conditionSuitable for Boro paddy, Makhana& paira cropping
Diara land of Kosi, Ganga and Mahananda with sandy to loamy soil-suitable for Rabi Maize, wheat, oil seeds pulses & cucurbitaceous vegetable flooded during Kharif Season</td></tr>
<tr><td>4</td><td>Soil type</td><td>Up land sandy soil- Suitable for vegetables wheat, maize, Banana
Medium Loamy Soil -Well drained rich in organic carbon suited for wheat, Maize, oil seeds and pulses & vegetables
Low lying clay soils -Suitable for makhana Boro paddy, fishery etc
New alluvial diara land soil -Deposition of clay soil year after year good for rabi crops.</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>
<table>
<tr><td>Name of Crops</td><td>Productivity(q/ha)</td></tr>
<tr><td>Rice</td><td>21.00</td></tr>
<tr><td>Maize</td><td>65.00</td></tr>
<tr><td>Wheat</td><td>17.00</td></tr>
<tr><td>Pigeonpea</td><td>8.00</td></tr>
<tr><td>Mustard</td><td>9.00</td></tr>
<tr><td>Pulses (others)</td><td>7.00</td></tr>
<tr><td>Potato</td><td>16.36</td></tr>
<tr><td>Okra</td><td>12.80</td></tr>
<tr><td>Cauliflower</td><td>16.70</td></tr>
<tr><td>Brinjal</td><td>20.80</td></tr>
<tr><td>Banana</td><td>36.95</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>
<table>
<tr><td>Month</td><td colspan="3">Temperature (^{0}C)</td><td>Rainfall (cm)</td><td>Humidity (%)</td></tr>
<tr><td></td><td>Normal</td><td>Max</td><td>Min</td><td></td><td></td></tr>
<tr><td>Jan</td><td>18.1</td><td>25.9</td><td>10.2</td><td>13</td><td>74%</td></tr>
<tr><td>Feb</td><td>21.0</td><td>28.9</td><td>13.2</td><td>06</td><td>65%</td></tr>
<tr><td>March</td><td>25.9</td><td>34.3</td><td>17.4</td><td>12</td><td>51%</td></tr>
<tr><td>April</td><td>30.3</td><td>38.4</td><td>22.3</td><td>21</td><td>43%</td></tr>
<tr><td>May</td><td>30.7</td><td>37.5</td><td>23.5</td><td>73</td><td>54%</td></tr>
<tr><td>June</td><td>30.1</td><td>35.5</td><td>24.7</td><td>217</td><td>68%</td></tr>
<tr><td>July</td><td>28.4</td><td>32.7</td><td>24.1</td><td>327</td><td>81%</td></tr>
<tr><td>August</td><td>28.1</td><td>32.5</td><td>23.7</td><td>290</td><td>81%</td></tr>
<tr><td>Sept</td><td>28.2</td><td>32.9</td><td>23.6</td><td>227</td><td>81%</td></tr>
<tr><td>Oct</td><td>27.0</td><td>33.0</td><td>21.9</td><td>87</td><td>75%</td></tr>
<tr><td>Nov</td><td>23.3</td><td>30.5</td><td>16.0</td><td>8</td><td>70%</td></tr>
<tr><td>Dec</td><td>19.0</td><td>27.0</td><td>11.1</td><td>0</td><td>74%</td></tr>
<tr><td>Mean Yearly</td><td colspan="3">24.9</td><td>106.75</td><td>68.0%</td></tr>
</table>
</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td>
<table>
<tr><td>Name of livestock</td><td>Total(No of Cattle)</td></tr>
<tr><td>Cow</td><td>399287</td></tr>
</table>
</td></tr>
</table>

		Baffaloes	70734
		Goat	445861
		Sheep	6700
		Poultry	1122122
		Fish	8643 Ton

2.6 Details of operational area / villages (2013-14)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
	Katihar	Katihar	Bari Bathna Chilmara	Vegetable Banana Boro Paddy, Oil Seeds Maize	Lack of high yielding variety, pest & diseases control	Promotion and adoption of Integrated farming system
		Mansahi	Bishanpur	Banana Jute, Makhana, Wheat, Paddy , Maize, Vegetables	INM & IPM lacking	Promotion and adoption of Integrated farming system
		Kadwa	Sonauli	Pulses, Vegetables, Paddy, Maize, Jute, Boro Paddy	INM & IPM lacking	Promotion of Banana Makhana based farming system and jute cultivation
		Barari	Sakraily	Banana, Maize, Pulses, Paddy, Wheat, Vegetables	Lack of high yielding variety, pest & diseases control	Implementation of women programmes in relation to food, nutrition and drudgery

2.7 Priority thrust areas

S. No	Thrust area
1.	Soil test based nutrition management in crop plants of the district
2.	Development of Suitable cropping system for diara ,tal and alkaline land of the district
3.	Implementation of women programmes in relation to food, nutrition and drudgery
4.	Soil test based nutrition management in crop plants of the district.
5.	Promotion of Banana, Makhana based farming system and jute cultivation.
6.	Promotion and adoption of Integrated farming system for the district.
7.	Development of Suitable cropping system for diara, tal and alkaline land of the district.
8.	Technology dissemination through production and supply of plant and seed materials
9.	Implementation of women programmes in relation to food, nutrition and drudgery

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievement of mandatory activities by KVK during 2013-14**@**

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
10	12	100	105	12	10	225	407

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
98	152	2980	3989	879	1190	5301	5883

Seed production (q)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
Paddy – 70.00	4.20	Mango – 5000	2600
Wheat -105.00	110.00	Guava – 5000	336
Pigeonpea -10.00	9.73	Litchi - 5000	356

@Target should match with your midterm report

3.1 Achievements on technologies assessed and refined

OFT (SOIL SCIENCE)

1.	Title of On farm Trial	To Assess the technological option by utilization Zn & Bo on growth and yield attributed in paddy(*Oryza sativa* L)
2.	Problem diagnose	To improve yield of Paddy by the utilization of micronutrients specially Zn & Bo.
3.	Details of technologies selected for assessment/refinement	TO_1= Farmers Practice (5 bag Urea, 1 bag DAP) TO_2= RDF + Zinc Sulphate @ 25 $kgha^{-1}$ TO_3= RDF + Borax @ 15 $kgha^{-1}$ TO_4= RDF + Zinc Sulphate @ 25 $kgha^{-1}$ + Borax @ 15 $kgha^{-1}$
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Irrigated and INM
6.	Performance of the Technology with performance indicators	TO_4= Performance better among all the treatment, It is possible due to utilization of micronutrient i.e. Zn & Bo.
7.	Final recommendation for micro level situation	Second Year continuity required
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmer :- 10, Group meeting, Field Visit & Field Day

Thematic area: INM

Problem definition: To improve yield of Paddy by the utilization of micronutrients specially Zn & Bo

Technology assessed: TO_1= Farmers Practice (100 kg N/ha through urea and DAP, 40 kg P_2O_5 through DAP and 20 kg K_2O through Murate of Potash)
TO_2= TO_1 + Zinc Sulphate @ 25 $kgha^{-1}$
TO_3= TO_1 + Borex @ 15 $kgha^{-1}$

TO_4= TO_1 + Zinc Sulphate @ 25 $kgha^{-1}$ + Borex @ 15 $kgha^{-1}$

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of Kernels per Plant	Test wt. (100 grain wt.)						
TO_1	10	7.49	109.33	15.66	02	34.9	22206	48860	26654	2.20
TO_2	10	11.10	138.54	17.78	03	52.0	23050	72800	49750	3.16
TO_3	10	11.00	147.36	18.24	04	55.5	23560	77700	54140	3.30
TO_4	10	12.16	142.67	20.12	02	69.0	25560	96600	71040	3.78

	pH (1:2.5)	ECe (dSm^{-1})	O.C. (%)	Available Nutrients ($Kg\ ha^{-1}$)			Available Micronutrients (ppm)	
				N	P	K	Zn	B
Initial	6.52	0.221	0.23	176	16	280	0.42	0.31
After Crop harvesting	6.83	0.232	0.21	194	18	265	0.726	0.59

RESULT:-The application of zinc sulphate @25kg/ha Borax@ 15 kg/ha along with recommended fertilizer produced the 69.0 q/ha yield of paddy with higher net return and B:C ratio (3.78) which was higher than the other technology options and minimum yield was found in farmers practice. Yield attributing characters showed favourable and disease incidence was minimised due to balaced fertilization. This might be visualized through utilization of micronutrient i.e. Zn & B by paddy crop.

OFT (SOIL SCIENCE)

1.	Title of On farm Trial	To Assess the Effect of Integrated Nutrient Management on Yield of Mustard (*Brassica juncea* L)
2.	Problem diagnose	To improve yield performance of mustard by the use of recommended doses and soil test based recommended doses of fertilizers
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmer Practices (Urea 25 kg, 50 kg DAP, 25 kg MOP) TO_2 = RDF through SSP TO_3 = Soil Test Based Fertilizers Application TO_4 = Soil Test Based Fertilizers Application (75 % through chemical fertilizers + 25 % through organic fertilizers
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Irrigated and INM
6.	Performance of the Technology with performance indicators	TO_4= Performance better among all the treatment, It is possible due to use of Organic manures & inorganic fertilizers on soil test based.
7.	Final recommendation for micro level situation	Second Year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmer :- 10, Group meeting, Field Visit & Field Day

Thematic area: INM

Problem definition: Low yield of mustard due to imbalance nutrient application

Technology assessed:
TO_1 = Farmer Practices (Urea 25 kg, 50 kg DAP, 25 kg MOP)
TO_2 = RDF through SSP
TO_3 = Soil Test Based Fertilizers Application
TO_4 = Soil Test Based Fertilizers Application (75% through chemical fertilizers + 25 % through organic fertilizers

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective Branch/Plant	No. of Pods per plant	Test wt. (100 grain wt.)					
TO_1	10	13.5	226	5.1	12.8	13920	25600	11680	1.84
TO_2	10	14.9	238	5.3	18.1	14150	36200	22050	2.56
TO_3	10	16.2	242	5.4	20.2	14305	40400	26095	2.82
TO_4	10	17.1	252	5.6	21.6	14408	43200	28792	2.99

Physico-chemical Characteristics of soil

S.N.	pH (1:2.5)	ECe (dSm^{-1})	O.C. (%)	Available Nutrients ($Kgha^{-1}$)			Available Micronutrients ($mgkg^{-1}$)
				N	P	K	S
Initial	6.01	0.3265	0.829	152.84	178.54	498.47	5.42
After Crop harvesting	5.97	0.3424	0.836	161.24	183.56	486.32	6.12

RESULT: - The integrated use of inorganic (75%) and organic fertilizers(25%) on soil test based application to Mustard crop improved the yield components reflecting higher grain yield (21.6q/ha) and B:C ratio of 2.99 in comparison to other technology option and farmers practice. Farmers were satisfied with the result and convinced the adoption of INM practices in Mustard.

OFT (Extension Education)

1.	Title of On farm Trial	To test the effect of Bio- fertilizers on the yield performance of wheat crop
2.	Problem diagnose	High dose of fertilizers& Lower productivity of crops
3.	Details of technologies selected for assessment/refinement	T0 Farmers practice (no use of biofertiliser) T1 Seed treatment with Azotobacter and PSB T2 Soil treatment wihAzotobacter and PSB
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Yield enhancement through Biofertiliser
6.	Performance of the Technology with performance indicators	T3 Application of azotobactor and Phosphatica in soil give better results
7.	Final recommendation for micro level situation	Second Year

8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmer :- 10, Group meeting, Field Visit & Field Day

Thematic area: Yield enhancement through biofertilizer.

Problem definition: High dose of fertilizers& Lower productivity of crops

Technology assessed:

TO = Farmers practice (no use of biofertiliser)

TO_1 = Seed treatment with Azotobacter and PSB
TO_2 = Soil treatment wih Azotobacter and PSB

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height	No. of Pods per plant	No. of seed /spike						
TO_1	10	95.7		22	0	25.46	30250/-	42825/-	12575/-	1.41
TO_2	10	98.7		28	0	33.71	32450/-	53137.50/-	20687.50/-	1.63
TO_3	10	105.2		30	0	37.01	33224/-	58262.50/-	25038.14/-	1.75

RESULT:- The soil application of 10 kg/ha bio-fertilizer i.e. Azotobacter and PSB resulted better nutrition to crops and produced higher yield components ,yield net return and B:C ratio. There was 45.3 % increase in yield over farmers practice (25.4q/ha).The farmers were convinced from the result.

OFT (Extension Education)

1.	Title of On farm Trial	To Study the comparative performance of different Jute varieties
2.	Problem diagnose	Low yield of JUTE Fibre
3.	Details of technologies selected for assessment/refinement	T_1 JRO-524 (farmers practice) T_2 JRO-66 T_3 S-19 T_4 JRO-128
4.	Source of Technology	CRIJAF, West Bengal
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	T_4 JRO -128 gives better performance among all technological options.
7.	Final recommendation for micro level situation	Second Year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmer :- 10, Group meeting, Field Visit & Field Day

Thematic area: Crop Production

Problem definition: Comparative performance of different Jute varieties

Technology assessed:

T_1 JRO-524 (farmers practice)
T_2 JRO-66
T_3 S-19
T_4 JRO-128

Table:

Technology option	No. of trials	Yield component			Fibre Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height(cm)	Basal diameter (cm)	Green Weight (q/ha)					
TO_1	10	340	1.40	421	22.4	24000	44800	20800	1.87
TO_2	10	383.3	1.61	462	24.4	24220	48800	24580	2.01
TO_3	10	346.6	1.32	405	21.4	24000	42800	18800	1.78
TO_4	10	406.6	1.81	540	28.2	23900	56400	32500	2.36

RESULT: - An OFT conducted on farmers field during summer 2014 to assess the Comparative performance of different Jute varieties in Katihar District revealed that the variety JRO -128 performed better than other varieties with respect to plant height (406.6 cm), Basal diameter (1.81 cm), the Green weight 540 q, and the fibre yield (28.8 q/ha). The economic study of the data shows that, the cultivation of Variety JRO -128 gave highest net return (Rs 32500 /ha and) and B: C ration (2.36) followed by the variety JRO -66, JRO -524 and lowest under S-19. The farmers were convinced and satisfied with the result of JRO -128.

OFT (Agronomy)

1.	Title of On farm Trial	To assess the best suited variety of Wheat in timely sown condition.
2.	Problem diagnose	Grain setting problem in Rabi Maize
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmer Practice (Sowing between 15-25 Oct) TO_2 = Sowing of Maize on 30 Oct. TO_3 = Sowing of Maize on 10 Nov.
4.	Source of Technology	RAU, Pusa
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	No. of Cobs/Plant No. of Grains/Cob Grain Yield(q/ha) Cost of cultivation (Rs/ha), Gross Saturn (Rs/Ha), Net return (Rs/Ha), B:C Ratio
7.	Final recommendation for micro level situation	---
8.	Constraints identified and feedback for research	----
9.	Process of farmers participation and their reaction	-----

Thematic area: Crop Production

Problem definition: Rabi maize often showed grain setting Problem.

Technology assessed: Best suited time for sowing of Rabi Maize

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective Branch/Plant	No. of Pods per plant	Test wt. (100 grain wt.)						

RESULT:- Crop is standing in the field.

OFT (Agronomy)

1.	Title of On farm Trial	To assess the performance of timely sown Wheat variety under irrigated medium land condition.
2.	Problem diagnose	Unawarness about variety of timely sown wheat varities.
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmers practice (Local Wheat seed) TO_2 = HD- 2733 TO_3 = HD- 2824 TO_4 = HD- 2967 TO_5 = HD 1544
4.	Source of Technology	IRAI, New Delhi
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	1. No. of tillers/Plant 2. No of spike/ periods, 3. test weight 4. Yield 5. Cost of cultivation(RS/ha) 6. Net return(Rs/ha) 7. B:C ratio
7.	Final recommendation for micro level situation	------
8.	Constraints identified and feedback for research	-------
9.	Process of farmers participation and their reaction	-------

Thematic area: Crop Production

Problem definition: Unawareness about timely sown wheat variety

Technology assessed: Assessment of best suited timely sown variety

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective Branch/Plant	No. of Pods per plant	Test wt. (100 grain wt.)						

RESULT:- Crop is standing in field.

OFT (Agronomy)

1.	Title of On farm Trial	To assess the best suited cropping system (Rice –wheat) in Katihar district
2.	Problem diagnose	Long during paddy result in delayed sowing of wheat which result in loss yield of wheat
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmers practice (Local Wheat/Paddy seed) TO_2 = Medium during paddy (Sahbhagi) followed by wheat TO_3 = Hybrid paddy followed by wheat
4.	Source of Technology	RAU, Pusa
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	No. of effective tiller/hill No. of spikelet/Panicle, Yield(Q/ha) Cost of cultivation(Rs/ha) Gross return(Rs/ha) Net return(Rs/ha) B:C ratio
7.	Final recommendation for micro level situation	-----
8.	Constraints identified and feedback for research	-----
9.	Process of farmers participation and their reaction	------

Thematic area: Crop Production

Problem definition: Long duration paddy results in delayed sowing of wheat which results in less yield of wheat.

Technology assessed: Best suited cropping system (Rice- wheat) in Katihar district

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective Tillers/ m^2	No.of grains /Panicle	Test wt. (1000 grain wt.)						
TO_1	10	390	126	24.3		38.65	21420	44448	23028	2.08
TO_2	10	350	110	22.1		33.43	22970	38445	15475	1.67
TO_3	10	426	126	21.6		40.37	23540	46426	22886	1.97

RESULT:-Result of wheat is awaited

OFT (Agronomy)

1.	Title of On farm Trial	To assess the performance of late sown wheat variety under irrigated medium land condition.
2.	Problem diagnose	Unawareness about suitable late sown wheat variety
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmers practice (Local Wheat seed) TO_2 = HW- 2045 TO_3 = HI- 1563 TO_4 = HD- 2985
4.	Source of Technology	IARI, Pusa, New Delhi
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	No. of effective tiller/hill No. of spikelet/Panicle Test Weight Yield(Q/ha) Cost of cultivation(Rs/ha) Gross return(Rs/ha) Net return(Rs/ha) B:C ratio
7.	Final recommendation for micro level situation	------
8.	Constraints identified and feedback for research	-------
9.	Process of farmers participation and their reaction	--------

Thematic area: *Crop Production*

Problem definition: Unawareness about suitable variety for late sown wheat

Technology assessed: Assessment of suitable variety for late sown wheat

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective Branch/Plant	No. of Pods per plant	Test wt. (100 grain wt.)						

RESULT: - Crop is standing in field.

OFT (Home Science)

1.	Title of On farm Trial	Income generation through Poultry farming (chicken raised for egg)
2.	Problem diagnose	Rural farm women only used local breed of poultry and do not gain high income from it (chicken raised egg). But poultry is emerging as the fastest growing sub sector of Agriculture contribution sizable output the state
3.	Details of technologies selected for assessment/refinement	TO_1 = Farmers practice (Local breed of egg laying) TO_2 = Van Raja TO_3 = Gram Priya
4.	Source of Technology	Project directorate on Poultry , Hyderabad
5.	Production system and thematic area	Egg Production & Income generation
6.	Performance of the Technology with performance indicators	1. Income 2. Mortality 3. Weight /Months 4. Egg Production 5. Hygienic Condition.
7.	Final recommendation for micro level situation	----------
8.	Constraints identified and feedback for research	----------
9.	Process of farmers participation and their reaction	----------

Thematic area: Income generation activities for empowerment of rural women

Problem definition: Rural farm women only used local breed of poultry and do not gain high income from it (chicken raised egg). But poultry is emerging as the fastest growing sub sector of Agriculture contribution sizable output the state.

Technology assessed: TO_1 = Farmers practice (Local breed of egg layering)
TO_2 = Van Raja
TO_3 = Gram Priya

Table:

Technology option	No. of trials	Yield component			Mortality	Egg Production	Cost of cultivation	Gross return	Net return	BC ratio
		Initial Weight of check after	Weight after 5^{th} month	Average (10 hen)						
TO_1	10									
TO_2	10									
TO_3	10									

RESULT:- Result Awaited

OFT (Home Science)

1.	Title of On farm Trial	Dehydration of different method of mushroom and their assessment of self life of mushroom
2.	Problem diagnose	Unscientific the preservation of mushroom then result in poor quality and small self life
3.	Details of technologies selected for assessment/refinement	
4.	Source of Technology	RAU, Pusa
5.	Production system and thematic area	Mushroom Production & preservation
6.	Performance of the Technology with performance indicators	1. Reduce Weight 2. Color produce 3. Keeping quality 4. Shelf life
7.	Final recommendation for micro level situation	---------
8.	Constraints identified and feedback for research	----------
9.	Process of farmers participation and their reaction	---------

Thematic area: Preservation

Problem definition: Unscientific Preservation of mushroom them resulting in poor quality & small self life

Technology assessed: TO_1 = Farmer Practices (cut+Washed +Day in sun rays)
TO_2 = Cut in small piece+ Washed+branch+day in Sun days
TO_3 = Cut in small piece+ Washed+treated with KMS+day in Sun days
TO_4 = Cut in small piece+ Blanched+treated with KMS+ day in Sun days

Table:

Technology option	No. of trials	Yield component			Color produced after drying	Flavour	Keeping quality	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		average weight of 10 bags	Fresh wt. of Mushroom	After weight of Mushroom						
TO_1	10	770.0	2	200	Brown	Pungency	Awaited			
TO_2	10	587.0	2	180	Pale White	No falvour	Awaited			
TO_3	10	707.0	2	200	Pale white	Sulphur	Awaited			
TO_4	10	764.0	2	190	Light weight	No Taste	Awaited			

RESULT:- Awaited

OFT (Horticulture)

1.	Title of On farm Trial	**Response on intercropping and planting patterns of Potato + Mustard on plant health yield and economy of farmers**
2.	Problem diagnose	Adoption of cropping system and pattern by farmers can uplift the income of grower.
3.	Details of technologies selected for assessment/refinement	**1.** Sole Potato(FP) **2.** Sole Mustard(FP) **3.** Five rows Potato + three line Mustard **4.** Five rows Potato + two line Mustard **5.** Sole Potato Recommended 60X20 Cm
4.	Source of Technology	BAU, Sabour and CPRI, Simla.
5.	Production system and thematic area	Productivity assessment of Potato &Mustard under Inter-cropping system
6.	Performance of the Technology with performance indicators	**POTATO** (A) Plant Population/Sq meter (B) Number of Tuber /plant (C) Tuber weight/ plant (D) Tuber Yield/ ha **Mustard** (A) Plant Population/ Sq meter (B) No. of Branches /plant (C) No. of pods/plant (D) No. of seed /Siliquae (E) Test Weight(F) Seed yield/ha.
7.	Final recommendation for micro level situation	The Demand of oil seed in India is increasing day by day to fulfill the consumption which is comparatively lower in India(Ramesh et. at 1999) Among various measures adopted for increasing the productivity of oil seed are techniques may be grow these crop with other crops . It has been observed that intercropping of Oil seed with other crops is one of the best techniques to increase production (Kaushik et. at. 2006) their inter cropping of mustard with potato called border methods of potato cultivation of attractive additional net return. Finding of first year trail on farmers field showed similar views expressed by Singh and Rathi 1984.
8.	Constraints identified and feedback for research	-----
9.	Process of farmers participation and their reaction	Inter cropping of Potato + Mustard give to the farmers additional income and diversification in Agriculture.

Thematic area: Productivity assessment of Potato &Mustard under Inter-cropping system

Problem definition: Adoption of cropping system and pattern by farmers can uplift the income of grower

Technology assessed:

TO1 Sole Potato (Farmers Practice)

TO2 Sole Mustard (Farmers Practice)
TO3 Potato + Mustard (5:3)
TO4 Potato + Mustard (5:2)
TO5 Sole Potato at Recommended geometry (60X20 cm)

Table:

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Tuber Yield	Yield of mustard/ (q/h))	Test wt.(g)/ 1000 seed				
TO_1	05	209.4	00	00	47802.80	77060.00	29257.20	2.098
TO_2	05	00	8.008	7.96	22578.00	46700.00	24122.00	2.072
TO_3	05	181.35	4.13	8.118	38062.20	85757.20	47694.80	2.25
TO_4	05	186.6	3.64	8.208	38849.00	85150.00	47390.00	2.192
TO_5	05	227.2	00	00	46362.00	86341.00	39979.00	2.15

RESULT:- The demand of oil seed in India is increasing day by day to fulfill the consumption which is comparatively lower in India(Ramesh et. at 1999) Among various measures adopted for increasing the productivity of oilseed are techniques may be grow these crop with other crops . It has been observed that intercropping of Oil seed with other crops is one of the best techniques to increase production (Kaushik et. at. 2006) their inter cropping of mustard with potato called border methods of potato cultivation of attractive additional net return. The intercropping of potato with Mustard in 5:3 ratio resulted in higher combined yield per unit area. During trial it was found that B:C ratio of the treatment TO3 was maximum 2.25 as compared to farmers sole cropping pattern. Finding of first year trial on farmer's field showed similar views expressed by Singh and Rathi 1984.

OFT (Horticulture)

1.	Title of On farm Trial	Effect of Bio-pesticides and chemicals against Onion thrips.
2.	Problem diagnose	Farmers grow onion in large area due to more yield and income in January planting in koshi region. Thrips being the most common insect pest causing low yield and poor quality bulbs which results in marketable losses of farmers.
3.	Details of technologies selected for assessment/refinement	profenophos@1ml/lit crude Neem oil @3ml/lit water Neem cake extract 50 gm./Lit. water Imedachloroprid SL @ 1ml/lit water Farmers practice.
4.	Source of Technology	RAU,Pusa.
5.	Production system and thematic area	Plant protection against insect
6.	Performance of the Technology with performance indicators	Thrips population after each spray/plant Total yield(q/ha) Marketable yield (q/ha.) Damage % Leaf damage % Net return, B:C ratio

7.	Final recommendation for micro level situation	Trail is going on
8.	Constraints identified and feedback for research	--
9.	Process of farmers participation and their reaction	---

Thematic area: Plant protection

Problem definition: Farmers grow onion in large area due to more yield and income in January planting in koshi region. Thrips being the most common insect pest causing low yield and poor quality bulbs which results in marketable losses of farmers.

Technology assessed: Profenophos@1ml/Lit
Crude Neem oil@3ml./Lit.water.
Neem cake extract 50 gm./Lit. water
Imedachloroprid SL @1ml./Lit.water
Farmers practice

Table:

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Tuber Yield	Yield of mustard/ (q/h))	Test wt.(g)/ 1000 seed				
TO_1	Crop is in the standing Position							
TO_2								
TO_3								
TO_4								
TO_5								

RESULT:- Awaiting

Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs implemented during 2013-14

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	
1.	Paddy	ICM	Seed (Sahbhaghi)	10.00	10.00	04	35	40	
2.	Wheat	ICM	Seed (HD 2733)	07.50	07.50	06	21	27	
3.	Jute	ICM	Seed (JRO-128)	10.00	10.00	--	50	50	
4.	Pigeon pea	ICM	Seed (ND-1)	15.00	15.00	05	31	36	
5.	Moong	ICM	Seed (SML (668)	02.00	02.00	01	07	08	
6.	Mustard	ICM	Seed(R.Suflam)	10.00	10.00	05	18	23	
7.	Maize	ICM	Weedicide (Pendimethaline)	20.00	20.00	13	54	67	
8.	Maize (Fodder)	ICM	Seed (J-1006)	--	12.00	27	95	122	
9.	Cow Pea	ICM	Seed (Bundel-2)	--	01.20	05	07	12	
10	Coix	ICM	Seed	--	01.50	04	18	22	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Paddy	Kharif	Irrigation	Sandy Loam	220	20	282	Moong	23.06.2013	26.10.2013	997	61
Wheat	Rabi	Irrigation	Sandy Loam	220	20	282	Paddy	30.11.2013	--	85	10
Jute	Kharif	Irrigation	Sandy Loam	220	20	282	Wheat	26.04.2013	22.08.2013	997	61
Pigeon pea	Kharif	Irrigation	Sandy Loam	220	20	282	Wheat	08.07.2013	---	997	61

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rye	ICM	R.Suflam	23	10	Awaiting for Final Result										
Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Pulses:

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Moong	ICM	Seed (SML 668)	08	2.0	12.34	7.86	57	20482	61700	41218	3.01	18450	39300	20850	2.13
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Jute	Crop Production	Seed (JRO-128)	50	20	24.67	18.72	31.78			19700	49340	29640	2.51	18640	37440	18800	2.00
Pigeon pea	Crop Production	Seed (NDA-1)	36	15	Crop Standing in the field												
Paddy	Crop Production	Seed (Sahbhagi)	40	10	34.67	28.36	22.25			22520	39870	17350	1.77	21750	32533	10783	1.49
Maize	Crop Production	Weedicide	67	20	Crop Standing in the field												
Wheat	Crop Production	Seed(HD 2733)	27	7.5	Crop Standing in the field												
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No .of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Fisheries

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

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															

Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										

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

Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back

Extension and Training activities under FLD

SL. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	17/07/2013	01	072	
		18/08/2013	01	070	
		17/10/2013	01	75	
		19/10/2013	01	070	
		20/10/2013	01	080	
		10/03/2014	01	050	
		12/03/2014	01	041	
2.	Farmers Training	02/04/2013	01	32	
		16/04/2013	01	28	
		28/05/2013	01	39	
		22/06/2013	01	42	
		13/07/2013	01	56	
		21/08/2013	01	32	
		31/10/2013	01	15	
		22/08/2013	01	18	
		16/09/2013	01	19	
		31/09/2013	01	35	
3.	Media coverage				
4.	Training for extension functionaries				

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	01	21	02	23	02	--	02	--	--	--	23	02	25
Resource Conservation Technologies	01	22	02	24	03	--	03	--	--	--	25	02	27
Cropping Systems													
Crop Diversification													
Integrated Farming	01	23	01	24	--	02	02	01	--	01	25	03	28
Water management													
Seed production	01	23	04	27	--	--	--	--	--	--	23	04	27
Nursery management	01	22	01	23	01	--	01	01	--	01	24	01	25
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	01	20	08	28	03	--	03	--	--	--	31	--	31
	01	22	--	22	02	--	02	01	--	01	25	--	25
	01	19	--	19	03	--	03	01	--	01	23	--	23
	01	22	--	22	02	--	02	06	--	06	30	--	30
	01	29	--	29	01	--	01	--	--	--	30	--	30
	01	12	03	15	11	03	14	--	--	--	23	06	29
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	02	44	--	44	02	--	02	--	--	--	46	--	46
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	02	42	04	46	04	--	04	--	--	--	46	04	50
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	02	42	02	44	02	--	02	--	--	--	44	02	46
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology	03	66	--	66	09	--	09	--	--	--	75	--	75
Processing and value addition	01	21	02	23	03	--	03	---	--	--	24	02	26
Others, if any	01	19	02	21	--	--	--	--	--	--	19	02	21
	01	20	--	20	04	01	05	--	--	--	24	01	25
	01	18	03	19	01	--	01	--	--	--	19	04	23
	01	21	--	21	04	01	05	--	--	--	25	01	26
	01	22	--	22	--	---	--	--	--	--	22	--	22
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	01	22	--	22	03	--	03	--	--	--	25	--	25
Soil and Water Conservation	01	21		21	03	--	03	01	--	01	25	--	25
Integrated Nutrient Management													
Production and use of organic inputs	01	22	--	22	02	05	07	01	--	01	25	05	30
Management of Problematic soils													
Micro nutrient deficiency in crops	01	16	04	20	05	--	05	--	--	--	21	04	25
Nutrient Use Efficiency	01	19	01	20	03	01	04	--	01	01	22	03	25
	01	22	--	22	03	--	03	--	--	--	22	03	25
	01	25	--	25	05	--	05	--	--	--	30	--	30
	01	20	--	20	03	--	03	02	--	02	25	--	25
Soil and Water Testing	02	44	--	44	06	--	06	--	--	--	50	--	50
Others, if any	01	23	--	23	--	--	--	02	--	02	25	--	25
	01	22	--	22	03	01	04	01	02	03	25	04	29
	01	02	10	12	13	--	13	--	--	--	15	10	25
	01	18	--	18	07	--	07	--	--	--	25	--	25
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet	02	--	48	48	--	16	16	--	08	08	--	72	72
Designing and development for high nutrient efficiency diet	02	--	42	42	--	12	12	-	10	10	--	64	64
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	05	--	50	50	--	58	58	--	06	06	-	114	114
Income generation activities for empowerment of rural Women	02	--	32	32	--	22	22	--	08	08	--	62	62
Location specific drudgery reduction technologies													
Rural Crafts	01	--	19	19	--	05	05	--	01	01	--	25	25
Capacity building													
Women and child care	02	--	48	48	--	16	16	--	08	08	--	72	72
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	01	12	03	15	02	01	03	01	02	03	15	10	25
Group dynamics	01	16	--	16	--	08	08	--	01	01	16	09	24
Formation and Management of SHGs	02	31	03	34	12	--	12	03	02	05	47	06	53
Mobilization of social capital													
Entrepreneurial development of farmers/youths	05	75	20	95	21	05	26	10	02	12	124	27	151
WTO and IPR issues													
Others, if any	02	30	09	39	12	01	13	02	--	02	44	10	54
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	65	990	322	1312	160	158	318	33	51	84	1183	531	1714

Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
INM	01	12	07	19	05	01	06	--	--	--	17	08	25
Seed production	01	20	02	22	01	07	08	--	--	--	21	09	30
Production of organic inputs	01	18	--	18	05	02	07	--	--	--	23	02	25
Integrated Farming													
Planting material production													
Vermi-culture	01	22	05	27	02	--	02	--	01	01	24	06	30
Sericulture													
Protected cultivation of vegetable crops/ Organic farming	01	09	03	12	07	06	13	--	--	--	16	09	25
Commercial fruit production													
Repair and maintenance of farm machinery and implements	01	20	01	21	01	08	09	--	--	--	21	09	30
Nursery Management of Horticulture crops	01	22	--	22	01	--	01	--	--	--	23	--	23

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	07	123	18	141	22	23	45		01	01	145	42	187

Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards	01	30	--	30	--	--	--	--	--	--	30	--	30
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care	01	--	05	05	--	--	--	--	40	40	--	45	45
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
TOTAL	02	30	05	35	--	--	--	--	40	40	--	75	75

Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	01	36	--	36	06	--	06	--	--	--	42	--	42
Resource Conservation Technologies	01	35	--	35	08	--	08	--	--	--	43	--	43
Cropping Systems	01	18	--	18	03	--	03	--	--	--	21	--	21
Crop Diversification	01	25	--	25	07	--	07	--	--	--	32	--	32
Integrated Farming	01	24	--	24	06	--	06	--	--	--	30	--	30
Water management	01	23	--	23	04	--	04	--	--	--	27	--	27
Seed production													
Nursery management													
Integrated Crop Management	01	23	--	23	02	--	02	--	--	--	25	--	25
Fodder production													
Production of organic inputs	01	22	--	22	04	--	04	--	--	--	26	--	26
Others, (cultivation of crops)	01	32	--	32	07	--	07	--	--	--	39	--	39
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	02	40	--	40	04	02	06	--	--	--	44	02	46
Off-season vegetables													
Nursery raising													
Export potential vegetables	02	20	--	20	02	--	02	--	--	--	21	--	22
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	02	40	--	40	10	--	10	--	--	--	50	--	50
Others, if any (Cultivation of Vegetable) INM	01	19	02	21	--	--	--	---	--	--	19	02	21
Others, if any (Cultivation of Vegetable) Exotoc vegetable like Broccoli	01	20	--	20	02	--	02	--	--	--	22	--	22
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	01	22	--	22	4	--	04	--	--	--	24	-	24
Management of young plants/orchards	01	19	02	21	01	--	01	--	--	--	22	--	22
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any Seed Production in Potato	01	25	--	25	05	--	05	--	--	--	30	--	30
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	01	14	04	18	--	04	04	--	--	--	14	04	22
Soil and Water Conservation													
Integrated Nutrient Management	01	24	05	29	--	--	--	--	--	--	24	05	29
Production and use of organic inputs	01	15	--	15	04	--	04	03	--	03	23	--	23
Management of Problematic soils													
Micro nutrient deficiency in crops	01	30	--	--	--	--	--	--	--	--	30	--	30
Nutrient Use Efficiency	01	22	05	27	--	--	--	--	--	--	22	05	27
	01	22	--	22	03	--	03	--	--	--	25	--	25
Soil and Water Testing	02	46	04	50	--	--	--	--	--	--	46	04	50
Others, if any	03	72	04	46	16	--	16	04	--	04	92	04	96
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by	03	--	24	24	--	05	05	--	--	--	--	29	29

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	02	--	30	30	--	10	10	--	02	02	--	42	42
Gender mainstreaming through SHGs	01	--	13	13	--	08	08	--	02	02	--	23	23
Storage loss minimization techniques	01	13	18	31	--	02	02	--	--	--	13	20	33
Enterprise development	01	--	--	--	--	15	15	--	05	05	--	20	20
Value addition	02	10	29	39	--	12	12	--	05	05	10	46	56
Income generation activities for empowerment of rural Women	03	12	44	56	--	20	20	--	02	02	12	66	78
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	02	--	22	22	--	38	38	--	08	08	--	68	68
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	02	44	04	48	02	01	03	--	--	--	46	05	51
Group dynamics	02	38	06	44	03	02	05	02	01	03	43	09	52
Formation and Management of SHGs	04	75	06	81	15	05	20	--	--	--	90	11	101
Mobilization of social capital	01	22	--	22	03	--	03	--	--	--	25	--	25
Entrepreneurial development of farmers/youths	04	65	22	87	23	02	25	02	02	04	90	26	116
WTO and IPR issues													
Others, if any	03	60	05	65	05	03	08	04	01	05	69	09	78
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	62	1027	249	1276	147	131	278	15	28	43	1189	408	1597

RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	01	--	25	25	--	05	05	--	--	--	--	30	30
Bee-keeping													
Integrated farming	01	22	--	22	04	--	04	--	--	--	26	--	26
Seed production	01	23	--	23	04	--	04	--	--	--	27	--	27
Production of organic inputs													
Integrated Farming	02	45	--	45	--	05	05	--	05	05	45	10	55
Planting material production	01	22	01	23	04	02	06	--	--	--	26	04	30
Vermi-culture	01	15	--	15	04	03	07	03	--	03	22	03	25
Sericulture													
Protected cultivation of vegetable crops	01	21	--	21	03	01	04	--	--	--	24	01	25
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Horticulture crops													
Training and pruning of orchards	01	21	--	21	03	01	04	--	--	--	24	01	25
Value addition	01	--	30	30	--	20	20	--	05	05	--	55	55
Production of quality animal products													
Dairying	01	22	06	28	--	--	--	--	--	--	22	06	28
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	02	--	10	10	--	25	25	--	05	05	--	40	40
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	13	191	72	263	22	62	84	03	15	18	216	149	365

Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	02	47	01	48	03	01	04	--	--	--	50	02	52
Integrated Pest Management													
Integrated Nutrient management	01	--	---	--	--	--	--	--	--	--	30	--	30
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	01	22	08	30	--	--	--	--	--	--	22	08	30
Group Dynamics and farmers organization	01	16	02	18	05	--	05	02	--	02	23	02	25
Information networking among farmers													
Capacity building for ICT application	01	23	02	25	--	--	--	--	--	--	23	02	25
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	01	--	20	20	--	05	05	--	--	--	--	25	25
Women and Child care													
Low cost and nutrient efficient diet designing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and use of organic inputs(Held on Town Hall, Katihar)	01	--	--	--	--	--	--	--	--	--	--	--	220
Gender mainstreaming through SHGs	01	--	--	--	--	30	30	--	--	--	--	30	30
Crop intensification													
TOTAL	09	108	33	141	08	36	44	02	--	02	196	71	267

Consolidated table (ON and OFF Campus)

Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	02	57	2	59	08	--	08	--	--	--	65	02	67
Resource Conservation Technologies	02	57	02	59	11	--	11	---	--	--	68	02	70
Cropping Systems	01	18	--	18	03	--	03	--	--	--	21	--	21
Crop Diversification	01	25	--	25	07	--	07	--	--	--	32	--	32
Integrated Farming	02	47	01	48	06	02	08	01	--	01	54	04	58
Water management	01	23	--	23	04	--	04	--	--	--	27	--	27
Seed production	01	23	04	27	--	--	--	--	--	--	23	04	27
Nursery management	01	22	01	23	01	--	01	01	--	01	24	01	25
Integrated Crop Management	01	23	--	23	02	--	02	--	--	--	25	--	25
Fodder production													
Production of organic inputs	01	22	--	22	04	--	04	--	--	--	26	--	26
Others, (cultivation of crops)	07	156	11	167	29	03	32	08	--	08	201	14	215
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	02	40	--	40	04	02	06	--	--	--	44	02	46
Off-season vegetables													
Nursery raising													
Export potential vegetables	02	20	--	20	02	--	02	--	--	--	22	--	22
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	04	84	--	84	12	--	12	--	--	--	96	--	96
Others, if any (Cultivation of Vegetable)	02	39	02	41	02	--	02	--	--	--	41	02	43
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	02	42	04	46	04	--	04	--	--	--	46	04	50
Cultivation of Fruit	01	22	--	22	04	--	04	--	--	--	24	--	24

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of young plants/orchards	01	19	02	21	01	--	01	--	--	--	23	--	23
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	02	42	02	44	02	--	02	--	--	--	44	02	46
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any	01	25	--	25	05	--	05	--	--	--	30	--	30
f) Spices													
Production and Management technology	03	66	--	66	09	--	09	--	--	--	75	--	75
Processing and value addition	01	21	02	23	03	--	03	--	--	--	24	02	26
Others, if any	05	100	05	105	09	02	11	--	--	--	109	10	119
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	02	36	04	40	03	04	07	--	--	--	39	04	43
Soil and Water Conservation	01	21	--	21	03	--	03	01	--	01	25	--	25
Integrated Nutrient Management	01	24	05	29	--	--	--	--	--	--	24	05	29
Production and use of organic inputs	02	37	--	37	06	05	11	04	--	04	48	05	53
Management of Problematic soils													
Micro nutrient deficiency in crops	02	46	04	50	05	--	05	--	--	--	51	04	55
Nutrient Use Efficiency	06	77	06	48	19	01	10	12	01	03	146	05	151
Soil and Water Testing	04	90	04	94	06		06				96	04	100

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any	06	137	14	151	39	01	40	07	02	09	183	17	200
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	03	--	24	24	--	05	05	--	--	--	--	29	29
Design and development of low/minimum cost diet	02	--	48	48	--	16	16	--	08	08	--	72	72
Designing and development for high nutrient efficiency diet	02	--	42	42	--	12	12	-	10	10	--	64	64
Minimization of nutrient loss in processing	02	--	30	30	--	10	10	--	02	02	--	42	42
Gender mainstreaming through SHGs	01	--	13	13	--	08	08	--	02	02	--	23	23
Storage loss minimization techniques	01	13	18	31	--	02	02	--	--	--	13	18	31
Enterprise development	01	--	--	--	--	15	15	--	05	05	--	20	20
Value addition	07	10	79	89	--	70	70	--	11	11	10	160	170
Income generation activities for empowerment of rural Women	05	12	76	88	--	42	42	--	10	10	12	128	140
Location specific drudgery reduction technologies													
Rural Crafts	01	--	19	19	--	05	05	--	01	01	--	25	25
Capacity building													
Women and child care	04	--	70	70	--	54	54	--	16	16	--	140	140
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	03	56	07	63	04	02	06	01	02	03	61	15	76
Group dynamics	03	54	06	60	03	10	13	02	02	04	59	18	77
~~Formation and~~	~~06~~	~~106~~	~~09~~	~~115~~	~~27~~	~~05~~	~~31~~	~~03~~	~~02~~	~~05~~	~~136~~	~~16~~	~~152~~

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of SHGs													
Mobilization of social capital	01	22	--	22	03	--	03	--	--	--	25	--	25
Entrepreneurial development of farmers/youths	09	140	42	182	44	07	51	05	04	09	189	53	242
WTO and IPR issues													
Others, if any	05	90	13	113	19	04	21	06	01	07	266	18	284
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	127	2017	571	2588	307	289	596	48	79	127	2372	939	3311

RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	01	--	25	25	--	05	05	--	--	--	--	30	30
Bee-keeping													
Integrated farming	01	22	--	22	04	--	04	--	--	--	26	--	26
INM	01	12	07	19	05	01	06	--	--	--	17	08	25
Seed production	02	43	02	45	05	07	12	--	--	--	48	09	57
Production of organic inputs	01	18	--	18	05	02	07	--	--	--	23	02	25
Integrated Farming													
Planting material production													
Vermi-culture	02	37	05	42	06	03	09	03	01	04	46	09	55
Sericulture													
Protected cultivation of vegetable crops	02	30	03	33	10	07	17	--	--	--	40	10	50
Commercial fruit production													
Repair and maintenance of farm machinery and implements	01	20	01	21	01	08	09	--	--	--	21	09	30
Nursery Management of Horticulture crops													
Training and pruning of orchards	01	21	--	21	03	01	04	--	--	--	24	01	25
Value addition	01	--	30	30	--	20	20	--	05	05	--	55	55
Production of quality animal products													
Dairying	01	22	06	28	--	--	--	--	--	--	22	06	28
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production	02	--	10	10	--	25	25	--	05	05	--	40	40
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
TOTAL	16	225	89	314	39	79	118	03	11	14	267	179	446

Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	02	47	01	48	03	01	04	--	--	--	50	02	52
Integrated Pest Management													
Integrated Nutrient management	01	--	---	--	--	--	--	--	--	--	30	--	30
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	01	22	08	30	--	--	--	--	--	--	22	08	30
Formation and Management of SHGs	01	16	02	18	05	--	05	02	--	02	23	02	25
Group Dynamics and farmers organization													
Information networking among farmers	01	23	02	25	--	--	--	--	--	--	23	02	25
Capacity building for ICT application													
Care and maintenance of farm													

machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	01	--	20	20	--	05	05	--	--	--	--	25	25
Household food security													
Women and Child care	01	--	05	05	--	--	--	--	40	40	--	45	45
Low cost and nutrient efficient diet designing	01	--	--	--	--	--	--	--	--	--	--	--	220
Production and use of organic inputs	0	--	--	--	--	30	30	--	--	--	--	30	30
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	09	108	38	146	08	36	44	02	40	42	118	114	232

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

Discipline	Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On)	Number of participants			Number of SC/ST		
						M	F	T	M	F	T
Fishery											
Horticulture	11.04.13	PF	INM in Summer Vegetable	01	OFF	24	--	24	04	--	04
	03.06.13	PF	Effect of climate in vegetable production	01	OFF	19	02	21	01	--	01
	07.06.13	PF	Cultivation of kharif vegetable	01	OFF	25	--	25	05	--	05
	10.06.13	PF	Kharif Vegetable production in management technique	01	OFF	20	--	20	02	--	02
	19 - 20.06.13	RY	cultivation and marketing of early vegetable	02	OFF	19	02	21	--	--	--
	26 - 29.06.13	RY	Protected cultivation	04	ON	42	04	46	04	--	04
	4- 5.7.13	PF	Management of fruiting plants	02	OFF	40	--	40	10	--	10
	11.07.13	PF	Scientific cultivation of Kharif vegetable	01	OFF	20	--	20	02	--	02
	19.07.13	PF	disease and insect pest of vegetable	01	OFF	40	--	40	04	02	06
	30 - 31.07.13	RY	orchard management and propagation on fruiting plant	03	ON	42	02	44	02	--	02
	11.08.13	PF	INM in fruit and vegetable	01	OFF	22	10	22	01	--	01
	19.08.13	RY	Layout and Management of HDP	03	ON	66	--	66	09	--	09
	21.10.13	RY	Banana Production and M	01	OFF	22	01	23	04	02	06
	22-24.10.13	PF	Production technology of coriander, Turmeric and Ginger	02	ON	21	02	23	03	--	03
	25.10.13	RY	Banana Cultivation and inter cropping	01	OFF	21	--	21	03	01	04
	20-22.11.13	PF	Orchard Management and Propagation of fruit crops	03	ON	19	02	21	--	--	--
	03.12.13	RY	Cultivation of Horticultural crop through SHG	03	ON	20	--	20	04	01	15
	23.12.13	PF	Balance Diet	04	ON	18	03	21	01	--	01
	10 - 13.12.13	RY	Detachment of Litchi, Lemon and Mango graft from Mother plant and planting	04	ON	21	--	21	04	01	05
	16-17.12.13	PF	seed Production technique of Potato	02	OFF	21	-	21	09	16	25
	26.12.13	RY	Cultivation of Horticultural crop through SHG	01	ON	21	--	21	04	01	05
	17.01.14	RY	Importance of remain compost in Horticultural crops	01	ON	22	--	22	--	--	--
	20.-21.01.14	PF	On Production Technique of Planting materials	02	ON	44	--	44	02	--	02
	22.01.14	PF	Seed technology of Potato	01	OFF	26	--	26	10	15	25
	10.02.14	PF	summer vegetable	01	OFF	25	--	25	12	04	16
	12.-13.02.14	RY	Protected cultivation	02	ON	22	---	22	08	03	11
	02.05.13	EF	Rejuvenation of old orchids	03	ON	20	--	20	01	10	11
Plant Protection											
Animal Husbandry											

Soil Science	10.02.14	PF	Soil health management	01	OFF	14	04	18	-	4	04	
	26.10.13	PF	Soil nutrient management	01	OFF	24	05	29	--	--	--	
	30.10.13	PF	Vermi Compost	01	OFF	15	--	15	04	--	04	
	25.07.13	PF	Micronutrient deficiency in paddy	01	OFF	14	04	18	-	04	04	
	08.07.13	PF	Micronutrient deficiency in Maize	01	OFF	30	-	30	---	--	--	
	24.02.13	PF	Fertilizer Management inPaddy	01	OFF	24	02	26	05	04	09	
	15.04.13	PF	Importance of Soil & water testing	01	OFF	24	02	26	07	--	07	
	28.04.13	PF	Importance of Soil testing	01	OFF	24	--	24	04	--	04	
	19.09.13	PF	Application of organic manure	01	OFF	23	02	25	--	--	--	
	02.11.13	PF	Application of fertilizer	01	OFF	23	02	23	--	--	--	
	05.02.13	PF	Importance of green manure	01	OFF	22	--	22	03	--	03	
	12.08.13	PF	Fertilizer management in kharif crop	05	ON	22	--	22	03	--	03	
	10.09.13	PF	INm in Paddy	03	ON	21	--	21	03	01	04	
	17.06.13	PF	Vermi compost	03	ON	22	--	22	03	05	08	
	06.01. 13	PF	Vermi compost	02	ON	16	04	20	05	--	05	
	16.01.13	PF	Vermi compost	03	ON	19	01	20	04	01	05	
	13.03.13	PF	Vermi compost	07	ON	22	--	22	03	--	03	
	08.11.13	PF	micronutrient management	03	ON	25	--	25	05	--	05	
	07.05.13	PF	fertilizer management	03	ON	20	--	20	05	--	05	
	16.04.13	PF	macronutrient use efficiency	04	ON	23	--	23	02	--	02	
	04.06.13	PF	Nitrogen use efficiency	03	ON	23	--	23	04	--	04	
	25.03.14	PF	Soil & water testing	02	ON	23	--	23	02	--	02	
		Pf	Soil health management	03	ON	22	--	22	04	--	04	
	28.10.13	PF	Green Manuries	02	ON	25	--	25	03	--	03	
	15.07.13	PF	Soil water management	03	ON	02	10	12	13	--	13	
	27.05.13	PF	Soil health management	03	ON	18	--	18	07	--	07	
	15.07.13	RY	vermi compost	07	OFF	15	--	15	04	03	07	
	06.08.13	EF	Bio fertilizers	05	OFF	30	--	30	--	-	--	
	09.12.13	EF	Organic & Bio fertilizers	05	OFF	30	--	30	02	18	20	
Agronomy	04.04.13	PF	cultivation of Paddy	03	ON	29	--	29	01	--	01	
	16.4.13	PF	Cultivation of Sesamum	02	ON	12	03	15	14	--	14	
	23.04.13	PF	Seed Production Techniques	02	ON	23	04	27	--	--	--	
	01.05.13	RY	Seed Production Techniques	02	OFF	23	--	23	04	--	04	
	09.05.13	PF	Weed Management	03	ON	21	02	23	02	--	02	
	09.06.13	PF	Weed Management	01	OFF	36	--	36	06	--	06	
	13-06.13	EF	Productivity enhancement in field crops	01	OFF	23	01	24	03	01	04	
	25.07.13	PF	Production of Pulse	02	ON	22	--	24	03	--	03	
	12-16.08.13	PF	Nursery & water Management on paddy	05	OFF	35	--	35	08	--	08	
	17.08.13	PF	Management of Arhar crop	02	ON	20	08	28	03	--	03	
	22.10.13	PF	Insect & disease management in paddy	03	ON	22	--	22	03	--	03	
	17.10.13	PF	Cultivation of Rabi Pulses	03	ON	19	--	19	04	--	04	
	11.11.13	PF	Agronomical practices for wheat, maize & Oil seed production	02	ON	22	--	22	08	--	08	
	13.11.13	PF	Agronomical practices for wheat, maize & Oil seed production	02	ON	23	01	24	03	--	03	
	21.11.13	PF	Agronomical practices for wheat, maize & Oil seed production	03	ON	18	--	18	03	--	03	
	27.11.13	PF	Agronomical practices for	01	OFF	23	--	23	07	--	07	

			wheat, maize & Oil seed production								
	19.12.13	PF	cultivation of wheat	01	OFF	24	--	24	06	--	06
	02-07.12.13	RY	Type of weedicide and production token during their spray	06	OFF	23	--	23	04	--	04
	12.02.14	PF	Cultivation of Boro Paddy	01	OFF	23	--	23	02	--	02
	27.02.14	PF	Cultivation of forage crops	01	OFF	22	--	22	04	--	04
	14.03.14	PF	Scientific Cultivation of Dhaincha	01	OFF	32	--	32	07	--	07
	22.03.14	EF	Productivity enhancement in field crops	01	OFF	24	--	24	--	--	--
Home Science	30.04.13	PF	Kitchen garden	01	OFF	--	24	24	--	05	05
	06.05.13	PF	preparation Papad – Rice Subudana	01	OFF	--	15	15	--	06	06
	17.05.13	PF	Use of tomato	01	OFF	--	15	15	--	06	06
	18.05.13	PF	Entrepreneurship through food processing	01	OFF	05	14	19	06	06	12
	04.06.13	PF	Mango Preservation	01	OFF	05	15	20	--	11	11
	18-19.06.13	RY	Preparation Mango Jam	02	ON	--	24	24	08	04	12
	13.06.13	PF	Preparation Mango Jam, Squash	03	ON	--	24	24	08	04	12
	18.06.13	PF	SHG formation& its importance	01	OFF	--	15	15	--	06	06
	31.07.13	RY	Entrepreneurship through Stitching	01	OFF	--	13	13	--	10	10
	01-10.08.13	RY	Entrepreneurship through stitching	08	ON	--	21	21	--	08	08
	13.09.13	RY	Entrepreneurship through Mushroom cultivation it importance	01	OFF	13	18	31	02	02	04
	20.09.13	PF	Prevention of nutrient	01	OFF	05	20	25	--	08	08
	09.10.13	PF	Mushroom cultivation for entrepreneurship	01	OFF	05	22	27	--	06	06
	21.10.13	PF	Income generation through poultry Production	01	OFF	02	20	22	--	06	06
	3-5.1013	RY	Mushroom cultivation of & produt & importance	03	ON	--	21	21	--	04	04
	20.11.13	PF	Mushroom cultivation	01	OFF	--	21	21	--	18	18
	23.11.13	PF	importance of Amla & murraba	01	OFF	--	21	21	--	20	20
	26.11.13	RY	Entrepreneurship through Mushroom cultivation it importance	01	OFF	--	25	25	--	05	05
	06.12.13	EF	Entrepreneurship through poultry farming	01	OFF	--	20	20	--	05	05
	15-19.12.13	RY	Amla , Murraba & its importance and packing	05	OFF	--	19	19	--	23	23
	12.12.13	RY	Food Processing	03	ON	---	22	22	--	08	08
	23-24.12.13	RY	Preparation of weaing food to Aganwansi sevida	02	ON	---	21	21	--	08	08
	15-16.01.14	RY	Amal murraba & mix pickle	02	OFF	--	23	23	--	25	25
	17.01.14	RY	Amla Murraba & it Importance	02	ON	--	18	18	---	22	22
	31.01.14	RY	Mushroom Cultivation	01	OFF	---	16	16	--	32	32
	10.02.14	PF	Income generation through Poultry	01	OFF	--	22	22	--	28	28
	24.02.13	PF	Importance of Kitchem garden	03	ON	--	18	18	--	35	35

	14.03.14	PF	Women & Child Care	01	OFF	---	19	19	--	42	42
	25.03.14	PF	Kitchen garden & women	01	OFF	---	22	22	---	35	35
Extension Education	11.06.13	PF	SHG formation	04	ON	20	03	23	06	--	06
	18.06.13	PF	SHG formation	03	ON	11	--	11	09	02	11
	24-25.07.13	PF	Capacity Building OF maize growers	`02	OFF	21	03	24	03	02	05
	29-31.07.13	R Y	Repair and maintains of farm implements	03	ON	20	01	21	01	08	09
	07.08.13	PF	Leadership Development	01	OFF	20	02	22	02	--	02
	18.08.13	PF	IPM	01	OFF	24	02	26	--	01	01
	17-22.10.12	PF	SHG formation	06	ON	20	04	24	03	--	03
	12.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	23	02	25	04	--	04
	16.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	29	02	31	06	01	07
	18.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	25	03	28	06	02	08
	22.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	16	02	18	07	--	07
	26.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	22	06	28	03	01	04
	28.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	30	02	32	06	04	10
	29.11.13	PF	Capacity building of Wheat & Maize farmers	01	OFF	22	09	31	04	03	07
	02-07.12.13	PF	IFS	06	OFF	22	--	22	4	--	04
	16-20.1213	PF	IFS	05	OFF	21	--	21	--	05	05
	26-30.12.13	PF	Capacity building of vermi composting	07	ON	22	06	28	--	04	04
	20-21.01.14	PF	Group Dynamics	07	ON	16	--	16	08	01	09
	10.02.14	PF	Mobilization of social captial	01	OFF	22	--	22	03	--	03
	01.03.14	PF	Entrepreneurship Development	01	OFF	21	--	21	03	--	03
	20-21.03.14	PF	Integrated Goat Taining	02	ON	08	--	08	--	12	12
	26.03.14	PF	SHG Formation	01	OFF	22	--	22	06	03	09

(D) Vocational training programmes for Rural Youth

Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants								
							Male			Female			Total		
					PF/RY/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST
1.															
2.															
3.															
4															

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

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	07	391	28	420	38	1	39	429	29	458
KisanMela	01	689	116	805	210	13	213	899	129	1028
KisanGhosthi	14	228	56	284	16	3	19	244	59	303
Exhibition										
Kisan Chaupal	37	1194	163	1357	40	5	45	1234	168	1565
Film Show	16	265	59	324	22	2	24	287	61	348
Method Demonstrations										
Farmers Seminar	05	257	135	392	63	2	68	320	137	457
Workshop										
Group meetings	08	113	16	119	22	2	24	135	18	153
Lectures delivered as resource persons	29									
Advisory Services										
Scientific visit to farmers field	42									42
Farmers visit to KVK										1020
Diagnostic visits										
Exposure visits	05	218	32					218	32	250
Ex-trainees Sammelan	01	46								46
Soil health Camp										
Animal Health Camp	01	62						62		62
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	01	42	19					42	19	61
MahilaMandals Conveners meetings										
Celebration of important days	03	72	14		04			76	14	90

(specify)										
Any Other (Specify)										
Total	170	3577	638	3701	415	28	432	3946	666	5883

B. Other Extension activities

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Newspaper coverage	159									
Radio talks	02									
TV talks	15									
Popular articles	04									
Extension Literature	09									

3.5 Production and supply of Technological products

Village seed

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Total				

KVK farm

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Wheat	HD 2733 (FS)	110	3.63000	275
Mustard	R.Suflam(TL)	6.10	37,820	203
Arhar	NDA-1(FS)	9.73	68,110	120
Paddy	Sahbhagi(BS)	16.30	--	210
Paddy	R.M.-1(BS)	25.7	--	--
Til	Shekhar (BS)	3.10	--	--
Grand Total				

Production of planting materials by the KVKs

Crop	Variety	Quantity of Planting material no./seed (q)	Value (Rs)	Number of farmers provided
Vegetable seedlings				
Cauliflower				
Cabbage				
Tomato				
Brinjal				
Chilli				
Onion				
Others				
Fruits				
	Maldah	2413	120650	
	Jardalu	104	5200	
Mango	Amrapali	83	4150	At sailing stage
Guava	L - 49	336	10080	
Lime				
	China	085	2550	
	Sahi	221	6630	
Litchi	Purbi	050	1500	At sailing stage
Papaya				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Grand Total				

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

Item	Title	Authors name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Garma moong ki unnat kheti	Dr. K.M. Singh,PC, KVK Katihar		

	Pichhat Gehu ki shasya pranali	Dr. K.M. Singh,PC, KVK Katihar		
	mushroom Utapadan	Smt Basanti Kumari, SMS(H.SC.) KVK,Katihar		
	Gunvattapurn protein yukta makka utpadan ki unnat taknik	Dr. Sushil kumar Singh(Agronomy), SMS, KVK, Katihar.		
	lichi bag ka jirnodhar	Sri Ajay Kumar Das, SMS(Hort), KVK, Katihar		
	makhana Utpadan takanik	Sri Ajay Kumar Das, SMS(Hort), KVK, Katihar		
	krishi mein mahilaya ke sharmbhar yese kam kare	Sri Pankaj Kumar, SMS(EE), KVK, Katihar		
	samekit nasigiv parbhandhan	Sri Pankaj Kumar, SMS(EE), KVK, Katihar		
	mitti parichan aaj ki aabsiakata	Dr. R.K. Singh, SMS(SS), KVK, Katihar		
	krishi ki samanbit parbhandhan taknik	Dr. R.K. Singh, SMS(SS), KVK, Katihar		
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL				

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

S. No.	Name of programme	Name of KVK personnel and designation	Date and Duration	Organized by
1.	2 days training	Sri Ajay Kumar Das, SMS(Hort)	23& 24 july 2013	BAU, Sabour
2.	Summer School	Sri Ajay Kumar Das, SMS(Hort)	20 Aug to 09 Sept 2013	Department of Horticulture, BAU, Sabour
3.	Winter School	Sri Pankaj Kumar, SMS(EE)	17 Sept to 07 Oct 2013	CAFT,IARI, New Delhi
4.	2 days Training	Sri Pankaj Kumar, SMS(EE)	28-29 Jan 2014	NIAM, Jaipur & DOEE, BAU , Sabour
5.	5 days Training	DR. R.K.Singh,SMS(Soil Science)	23-28 Sept 2013	BAU. Sabour
6.	5 days Training	DR. S.K.Singh,SMS(Agronomy)	23-28 Sept 2013	BAU. Sabour
7	2 days Training	Smt Swarn Prabha Reddy, P A(LT)	11-16 Dec 2013	BAU, Sabour
8	15 days Training	Smt Swarn Prabha Reddy, P A(LT)	20 May -03 June 2013	BAU, Sabour
9.	03 days Training	Smt Swarn Prabha Reddy, P A(LT)	14- 17 Feb.2014	BAU, Sabour
10.				
11.	04 days Training	Amarendra Kumar Vikas, P A (Comp)	8-11 July 2013	BAU, Sabour
12.	04 days Training	Sri Mukesh Kumar, Assistant	16 - 20June2013	BAU, Sabour
13.	02 days Training	Sri Abhay Kumar, Stenographer	21-22 July 2013	BAU, Sabour

1.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

- Name and address of the farmer: **Sri TuntunMandal**
- Village – Dumariya BisanpurPost- Mansahi, Dist- Katihar
- Contact no. (s): 9709621008
- Age: 37 Years
- Holding size (in acre): 1.5 Acre
- Educational qualification: Matric
- Experience in farming: 08 Years

- Brief description of the farm/ enterprise

Sri Tuntun Mandal is a progressive farmer from Dumariya Bisanpur village in Katihar district. He specialises in SHG formation and promotion of low cost Vermicompost technology. He also promotes improved cultivation practices among other farmers, his village is also seen as a role model by surrounding villages for introducing improved cultivation practices. He is the founder of Kisan Club and also demonstrates the improved technologies among other farmers.

- Economics of the farm:

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Paddy	01	8000/-	11800/-	3800/-
Maize	01	18000/-	40000/-	22000/-
Potato	01	30000/-	75000/-	45000/-
Banana	0.5	18000/-	78000/-	60000/-

- 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	01	8800/-	10700/-	1900/-
Maize	01	17500/-	32000/-	14500/-
Potato	01	31000/-	62000/-	31000/-
Banana	0.5	16000/-	76000/-	50000/-

- Name and address of the farmer: - **Sri Ranjeet Kumar Singh**
  Village – Sangatibari
  Post- Kuretha, Dist- Katihar
- Contact no. (s): 9939427165
- Age: 37 Years
- Holding size (in acre): 3 Acre
- Educational qualification: I.Sc.
- Experience in farming: 10 Years

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

  Sri Ranjeet Singh belongs to middle family and due to measurable family condition started livelihood from beginning of his life. In beginning he started working in factory on very less emolument. During working period he think to help his father in Agriculture. In mean time he came in contact of KVK, Katihar and obtain different training and technique to do better in Agriculture field. After training he started Mushroom as allied besides cultivation of Agronomical crops. Ranjeet Singh has an extra ordinary capacity to motivate the farming community and from many groups for mushroom cultivation. Now a day he also trained to prisoner and motivate to di better for peaceful life through agriculture
- Economics of the farm:

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Paddy	03	11000/-	18000/-	7000/-
Wheat	03	8000/-	12600/-	4600/-
Sugar Cane	03	47000/-	72000/-	25000/-

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	02	9000/-	12000/-	3000/-
Wheat	01	7000/-	11500/-	4500/-
Sugar Cane	01	41000/-	63000/-	22000/-

- Name and address of the farmer: **Sri Suresh Prasad Singh**
  Village – TajGanj- chilmara
  Dist- Katihar
- Contact no. (s): 8252051536
- Age: 54 Years
- Holding size (in acre): 1 Acre
- Educational qualification: B.A.
- Experience in farming: 24 Years

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

- **Sri Sureh Prasad Singh** a progressive farmer of village Chilmara. Sri Singh spend his childhood in economic crisis like other farmers in state like Bihar specially in Kosi region where farmers are facing problems of flood, suitable cultivars, appropriate cropping system, soil based remedies, lack of well-trained farmers and other farming problem. Sri Suresh Singh is a traditional farmer and very far away from modern agro techniques and facing genuine economic and social gestures of Indian peasant. A mega initiative to provide agro based information to farmers door step KVK is committed. Based on other farmers friend information Sri Suresh Singh from get the information about the training programmes conducted by KVK. As per his training need KVK, Katihar trained Sri Suresh Singh about suitable varieties, Fertilisers, Biofertilisers,Bio pesticides appropriate use of insecticides and pesticides. After adopting such technologies now in these days sri Suresh Singh now get better returns from his farm.

- Economics of the farm:

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Maize	01	20000	33000	13000
Potato	01	30000	62000	32000
Cabbage	01	15000	53000	38000
Cauliflower	01	15000	43000	28000
Okra	01	10000	31000	21000
Chilly	01	10000	3000	20000

Crop/ Livestock/ Fish/ Enterprise	Area (acre)/ No.	Cost of production* (Rs. per unit)	Return (Rs. per unit)	Net income (Rs. per unit)
Paddy	01	12000	18000@&	6000@&
Potato	01	22000	51000@&	29000@&
Cabbage	01	11000	42000@&	31000@&
Cauliflower	01	15000	43000@&	28000@&
Okra	01	10000	29000@&	19000@&
Chilly	01	10000	28000@&	18000@&

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

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

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

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	Bunsen Burner for LPG Gas	1
2.	Muffle Furnace 4"X4"X9" Chamber Size Make TANCO	1
3.	Viscometer Ostwald glass	1
4.	Max-Min Thermometer	1
5.	Hygrometer Make- Imported Digital	1
6.	Automatic Vortexing Machine Cyclo Mixer TANCO make	1
7.	Grinder	1
8.	Mechanical Shaker	1
9.	Electronic Balance	1
10.	PH meter	1
11.	Flame Photometer	1
12.	Hot Air Oven	1
13.	Hot Plate	1
14.	Digital Conductivity meter	1
15.	Double Distillation Unit	1

3.11.b. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
pH, ECe, OC, N, P, K , Fe, Mn. Cu, Zn	553	256	27	--
Total	**553**	**256**	**27**	**--**

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13 Technology week celebration

The Technology Week was organized at KVK, Katihar for five days from 25-2-2014 to 1-03-2014 in order to reorient the KVK premises as 'Farmers Technology Shop' for appropriate and effective dissemination of latest technologies to the farmers at a time. The exhibition with 11 stalls covering technology inputs, information and service stalls were first declared open by Dr. K.M. Singh Programme Coordinator KVK, Katihar on 25-2-2014.Subsequently, the technology week was inaugurated by Sri Lalit Kumar Singh, a progressive farmer of Katihar. In his inaugural address, he advised the farmers to utilize the KVK as technological Knowledge and resources center. Dr. K.M. Singh Programme Coordinator KVK, Katihar has given a detailed address about the objectives of the technology week organized at KVK, Katihar and addressed the gathering. The technology week was observed each day with a special topic to address the focused area. The details are as under:

Activities in Technology Week

25-2-2014	Inauguration and Seminar on Crop Production cum Training Programme
26-2-2014	Seminar-cum-Training programme on Animal Husbandry.
27-2-2014	Seminar-cum-Training programme of women empowerment.
28-2-2014	Seminar on Horticulture Development, Horticulture Exhibition.
01-3-2014	Seminar on Entrepreneurship Development, Horticulture Exhibition& Valedictory Function.

Technology Week Day 1

Seminar on Crop Production cum Training Programme25-2-2014

The formal inauguration was done by Dr. Rajesh Kumar, Associate Dean Cum Principal, B.P.S.A.C. Purnea The technical session started focusing upon integrated crop management , soil testing, SRI, conservation agriculture etc. The technical session also equipped by Film Show on Crop Production. At the end of the session there was an interface between farmers and scientist to solve the farmers problems. Kisan Salahkar and agricultural coordinators got benefited from the programme during technology week.

The main speakers of the day were Dr. Rajesh Kumar, Associate Dean Cum Principal, B.P.S.A.C. Purnea, Dr. K.M. Singh, Programme Coordinator, KVK, Katihar Dr. M. Rohaman Chief Scientist, JRS, Katihar, Dr. S.K. Sinha, Senior Scientist, JRS, Katihar, Dr. Mukesh Kumar Singh, Junior Scientist, JRS, Katihar Project Director , ATMA, Katihar, Deputy Project Director, ATMA, Katihar, Block Vetenary Officer, Katihar, District Fisheries Officer, Katihar with SMSs of KVK, Katihar. A total of 100 farmers were present during the technical session on the day.

Technology week Day 2

Seminar-cum-Training programme on Animal Husbandry.

26-2-2014

The formal inauguration was done by Dr. K.M. Singh, Programme Coordinator, KVK, Katihar the technical session started focusing upon Animal Husbandry. The technical session also equipped by Film Shows on Animal Husbandry. At the end of the session, there was an interface between farmers and scientists solve the farmers problems.

The main speakers of the day were Dr. K.M. Singh, Programme Coordinator, KVK, Katihar, Deputy Project Director, ATMA, Katihar, Block Vetenary Officer, Katihar, District Fisheries Officer, Katihar with SMS of KVK, Katihar. A total of 126 farmers were present during the technical Session.

Technology week Day 3

Seminar-cum-Training programme of women empowerment.

27-2-2014

The formal inauguration done by Dr. K.M. Singh, Programme Coordinator, KVK, Katihar. The Technical session started focusing upon women empowerment. The technical session also equipped by Film Show on Women Empowerment. At the end of the session there was an interface between women and scientists. The technological backups for women empowerment in agriculture were discussed among women mass.

The main speakers of the day were Dr. K.M. Singh, Programme Coordinator , KVK, Katihar, Dr. Sahailja Mishra, Social activist and Professor, K.B. Jha, College, Katihar, Deputy Project Director, ATMA, Katihar, with SMS of KVK, Katihar A total of 113 farmers and farmer women were present during the Technical Session.

Technology week Day 4

Seminar on Horticulture Development, Horticulture Exhibition

28-2-2014

The formal inauguration done by Dr. K.M. Singh, Programme Coordinator, KVK, Katihar. The Technical session started focusing upon Horticulture Development. The technical

session also equipped by Film Shows on Horticulture Development. At the end of the session there was an interface between farmers and scientist to solve the farmers problems.

An exhibition of Horticultural products also organized at KVK premises nearly 100 exhibits made by farmers for exhibition. A committee consisting of SMS of KVK, Katihar and two progressive farmers to judge the best exhibits of farmers. Next day the famers were honored by Certificate as per the performance of their exhibits.

The main speakers of the day were Dr. K.M. Singh, Programme Coordinator, KVK, Katihar, Deputy Project Director, ATMA, Katihar, Block Vetenary Officer, Katihar, District Fisheries Officer, Katihar with SMS of KVK, Katihar A total of 110 farmers were present during the technical session. Farmers queries related with Horticulture were clarified by the expert panel.

Technology week Day 5

Seminar on Entrepreneurship Development & Valedictory Function

28-2-2014

The formal inauguration done by Dr. U.S. Jaiswal, ADEE, BAU, Sabour. The Technical session started focused upon Entrepreneurship Development. The technical session also equipped by Film Shows on Entreneurship Development .At the end of the session there was an interface between farmers and scientist for solving farmer's problems.

The main speakers of the day were Dr. K.M. Singh, Programme Coordinator , KVK, Katihar, Dr. A.Aftab, Associate Professor, F.S.& Tech, BAC, Sabour, Sri Amit Kumar, DDM, NABARD, Sri PartoDev Roy, Assistant Professor cum Junior Scientist , JRS, Katihar, Block Vetenary officer, Katihar with SMS of KVK, Katihar A total of 167 farmers were present during the technical session. Farmers queries related with Entrepreneurship Development were clarified by the expert panel.

Experience sharing of Progressive farmers

In the afternoon, before the valedictory function, there was a farmer – Scientist interface. Farmers interacted with scientists on various aspects. They shared their ITK and practical experiences with the gathering. The session was very much interactive and informative.

Farmers and members of SHG groups and Farm Club from different parts of Katihar district attended the programme. The farmers opined that the programme was very much informative and useful for the farming community besides being to organize such technology dissemination programmes in future also for the betterment of farming community.

Valedictory Session

On 1st March 2014 the valedictory function was inaugurated by Dr. U.S. Jaiswal, ADEE, BAU, Sabour, Programme Coordinator, KVK, Katihar, and Dr.K.M. Singh, welcome the gathering and present the report on activities of technology week. Vote of Thanks was proposed by Sri Pankaj Kumar. SMS (EE), KVK, Katihar.

3.14. RAWE programme - is KVK involved?

No of student/ARS trained	No of days stayed

1.15. List of VIP visitors including the officials of ZPD and DEE

Name of VVIP/VIP	Date of visit	Purpose of visit	Comments in the visitor's book
Dr. B.K.Mahapatra Principal Scientist & Scientist-in-Charge Central Institute of Fisheries Education, Kolkata	21.06.2013	Visit of KVK, Katihar	Very good KVK, management and monitoring is excellent. Scope of fisheries development is very high. Presently fisheries sector neglected which need immediate attention. KVK is having very good water area approximately 3.5ha, Scope of establishment one fish breeding unit cum seed production. So that the area will be benefitted is there is no seed production unit in Katihar district . As known there is a scope for recruitment of one SMS in fishery. So proposal may be initiate for the same.
Dr. S.N.Ojha Principle Scientist(Agricultural Extn) Central Institute of Fisheries Education, Mumbai	21.06.2013	Visit of KVK, Katihar	Katihar KVK is under dynamic leadership. With in a short span this KVK has come up. I wish that KVK also contributes in the field of fisheries. This KVK can select aspiring entrepreneurs to start fish hatchery, feed, value added fish product and fish marketing with the beep of Department of fisheries, college of fisheries and fisheries research institutes. Later such aspirant may be provided resources to start their business in the KVK Campus in partnership mode. I wish all success to this KVK.
Sri B.N. Pandey District Judge Katihar	10.08.2013	Visit to farmer-scientist meeting	
Sri A. K.Sharma DRM, Katihar	22.09.2013	Visit to KVK, Katihar	
Sri Narendra Singh Hon'ble Agriculture Minister Govt of Bihar	28.09.2013	Visit to KVK, Katihar	
Sri C.P. Sinha Chairman Rajya Kisan Ayog, Govt of Bihar	28.09.2013	Visit to KVK, Katihar	
Sri Tariq Anwar, Hon'ble Agriculture & Food Processing Industries MInister, Govt of India.	29.08.2013	Review Meeting of KVK, Katihar	

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Improved cultivars	1235	46		
Seed treatment	1456	24		
Vermicompost	1089	41		
Seed production	210	7		
Balanced fertilizer application	1420	23		
Beekeeping	473	26		
Mushroom production	893	23		

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

4.2 Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Improved cultivars	1235
Seed treatment	1456
Vermicompost	1089
Seed production	210
Balanced fertilizer application	1420

4.3 Details of impact analysis of KVK activities carried out during the reporting period

4.4 Details of innovations recorded by the KVK

Thematic area	Resource conservation
Name of the Innovation	Sri Lalit Kumar Singh
Details of Innovator	Age:- 62 years Vill:- Kantia Post:- Kadwa Distt:- Katihar(Bihar)
Back ground of innovation	Farming
Technology details	Sri Lalit Singh adopted the methods of IFS. In most of his land he planted some useful trees that gave him fruits and timbers so useful. He started small dairy that gave him ample milk for sale. He started Gobar gas plant and the slurry of gobar gas plant converted into vermi compost and from gas he operated pumping set and domestic use. Growing Mushroom and maintaining more than fifty colonies of Bees' become another solid source of income. He taught the importance of environment and ecology to another farmer of neighboring areas
Practical utility of innovation	Uses of dung in different methods saves the expenditure of petroleum products and the sale of vermicompost,milk, mushroom , Honey bee gives additional income

1.5 Details of entrepreneurship development

<table>
<tr><td colspan="2">Entrepreneurship development</td></tr>
<tr><td>Name of the enterprise</td><td>Poultry Production</td></tr>
<tr><td>Name & complete address of the entrepreneur</td><td>Sri Ashok Kumar Sah Vill:- Sakraili Block:- Barari, Katihar</td></tr>
<tr><td>Intervention of KVK with quantitative data support:</td><td>Intervention of Entrepreneurship Development on Poultry
Broiler No. per batch:- 500
One batch:- 40days
One year:- 8(Eight) times.
Expenditure of one adult chick:- 135/ chick
Price rate of one adult chick:- 180/chick
Saving (40day/ Chick):- 45/ chick
Death rate of chick:- 5%
Rest Chick:- 475
Total Income:- 180X475=85500
Total Expenditure:- 135X500=67500
Income :- 18000(At 40 days)
<table>
<tr><td>Crop/ Livestock/ Fish/ Enterprise</td><td>Area (acre)/ No.</td><td>Cost of production* (Rs. per unit)</td><td>Return (Rs. per unit)</td><td>Net income (Rs. per unit)</td></tr>
<tr><td>Poultry</td><td>Per Batch</td><td>67500/-</td><td>85500/-</td><td>18000/-</td></tr>
</table></td></tr>
<tr><td>Time line of the entrepreneurship development</td><td>2013-14</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>Training</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>In Spite of agriculture Sri Sah Started a Poultry Production and now in these days he earn an additional income of Rs 18000/- in fourth days duration</td></tr>
<tr><td>Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):</td><td>Raw Material available from BAU, Sabour, Labour is available in village, Consumer Preference is good, Marketing of the Product is locally available, Enterprise is Economically viable as per mentioned above.</td></tr>
<tr><td>Horizontal spread of enterprise</td><td>Enterprise is spread among other 36 rural youths.</td></tr>
</table>

<table>
<tr><td colspan="2">Entrepreneurship development</td></tr>
<tr><td>Name of the enterprise</td><td>Bee keeping</td></tr>
<tr><td>Name & complete address of the entrepreneur</td><td>Sri Sanjiv Kumar Singh Vill:- Khankah Block:- Katihar</td></tr>
<tr><td>Intervention of KVK with quantitative data support:</td><td>Intervention of Entrepreneurship Development on Beekeeping</td></tr>
<tr><td>Time line of the entrepreneurship development</td><td>213-14</td></tr>
<tr><td>Technical Components of the</td><td>Training</td></tr>
</table>

Enterprise	
Status of entrepreneur before and after the enterprise	Start Beekeeping in a group of farmers and in first years starts with 10 boxes and get 550 Kg honey with an investment of Rs 25000. The gross return from this enterprise get Rs 5500/- and the net return found with the start of this enterprise is Rs. 2000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Enterprise is in good condition and the group found satisfactory results in terms of monitory benefits.
Horizontal spread of enterprise	Enterprise is spread among other 14 rural youths.

Entrepreneurship development	
Name of the enterprise	Vermicompost
Name & complete address of the entrepreneur	Sri Prabhunath Singh. Vill:- Daheria, Block- Katihar
Intervention of KVK with quantitative data support:	Training Sri Singh make a unit of 1750 cubic feet with an investment of 3000/- and he found net return of rs.2220/-
Time line of the entrepreneurship development	2012-13
Technical Components of the Enterprise	Training
Status of entrepreneur before and after the enterprise	After starting the enterprise sri singh gets additional income of Rs. 2220 .
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Present working condition is in a good condition . The avaibility of raw material is not a problem and the sailing of vermicompost is not a problem.
Horizontal spread of enterprise	Other progressive farmers adopt this enterprise

4.6 Any other initiative taken by the KVK

1.0 LINKAGES

1.1 Functional linkage with different organizations

Name of organization	Nature of linkage	Action Taken
DAO, Katihar.	Technical Support	Joint Programme Like Workshop, Training, Demonstration, Crop Cutting, Field Day, Krishak Gosthi, Rabi Mahotsav, Kharif Mahotsav, Weekly Crop Calendar, Farmer awareness Programme
DHO, Katihar	Technical Support	Joint Programme Like Workshop, Training, Demonstration, Crop Cutting, Field Day, Krishak Gosthi, Rabi Mahotsav, Kharif Mahotsav, Farmer awareness Programme
ATMA, Katihar	Technical Support	Joint Programme Like Workshop, Training, Demonstration, Crop Cutting, Field Day, Krishak Gosthi, Rabi Mahotsav, Kharif Mahotsav, Weekly Crop Calendar, Farmer awareness Programme
IFFCO, Katihar.	Technical Support	Training
NABARD, Katihar	Technical Support	Training
Jute Dev. Office, Katihar.	Technical Support	Training
Sugarcane Department, Purnea	Technical Support	Training
NGO, Katihar	Technical Support	Training
AIR, Purnea	Technical Support	News Coverage
JIVIKA, Katihar	Technical Support	Training, SGHs formation
NSC	Technical support in seed production programme	Training for seed production programme
CIFE, Mumbai	Joint Programme	Training
IARI, Pusa, Samastipur	Joint Programme	Training, Demonstration
Doordarshan, Patna	Joint Programme	News Coverage
BRBN	Technical Support	Seed Production
Industrial Development Department	Technical Support	Training
Rural Self Employment Training Institute, Katihar	Technical Support	Training
Lead Bank(Central Bank of India)	Technical Support	Training

5.2. List special programmes undertaken during 2013-14 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

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

Total				
Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
PPVFRA	training-cum-awareness programme has been organized on ”Protection of Plant Varieties & Farmers’ Right (Act,2001)”	07.02.2014	Protection of Plant Varieties & Farmers’ Right Authority, Ministry of Agriculture, Govt of India	80,000/- (Eighty thousand) only
District horticulture Society	Horticulture Show and Seminar on Horticultural Development	28.02.2014 & 01.03.2014	District Horticulture Society	25,000/- (Twenty five thousand) only

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom unit	2013	1800 Sq ft	Oyster mushroom	2013-14	60.8	5500/-	6080/-	
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2 Performance of instructional farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

6.3 Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total :			

(For whole of the year)

6.5 Utilization of staff quarters

Whether staff quarters has been completed: Yes
No. of staff quarters: 06(1 pc quarter, 1 FM quarter, 2 TA quarter , 2 supporting staff quarter completed and allotted)
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
December 2013	✓					
December 2013		✓				
December 2013			✓			
December 2013				✓		
February 2014					✓	
February 2014						✓

7.FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
R/F	State bank of India	Shiv Mandir chowk, Katihar	**10501342703**
C/A	State bank of India	Shiv Mandir chowk, Katihar	**10501337736**
NHM	State bank of India	Shiv Mandir chowk, Katihar	**31114820470**
Kisan Bhawan	State bank of India	Shiv Mandir chowk, Katihar	**32122713347**

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

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

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

7.4 Utilization of funds under FLD on Maize *(Rs. In Lakh)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2012
	Kharif	Rabi	Kharif	Rabi	
TOTAL					

7.5 Utilization of KVK funds during the year 2013 -14 (Not audited)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	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			
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	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
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)				

7.6. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2011-12	135544.49	428018.00	431734.00	135544.49
2012-13	1233898.49	999923.00	594485.00	1639336.49
2013-14				

7.6.(i) Number of SHGs formed by KVKs (ii) association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.:- **33**

7.7 Details of marketing channels created for the SHGs

7.8. Special programme on Food and Nutrition :

7.9. Community Radio Station : **In process**

7.10. Joint activity carried out with line departments and ATMA

Name of activity	Season	With line department	With ATMA	Both
Kharif Mahotsav	Kharif 2013			Y
Rabi Mahotsav	Rabi 2013			Y
Krishak Gosthi	Kharif & Rabi 2013		Y	
Farmer's Field School	Kharif & Rabi 2013		Y	
Kisan Mela				Y
Krishak Vaigyanik Milan	Rabi 2013-14		Y	

8. Other information

8.1. Prevalent diseases in Livestock/Crops

Name of the disease	Crop/animal	Date of outbreak	Number of death/ % crop loss	Number of animals vaccinated

8.2. Nehru Yuva Kendra (NYK) Training

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

8.3. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
07/02/2014	1.Justice B.N. Pandey, District Judge, Katihar 2. Dr. J.B. Tomar Assist Director Research, BAU, Sabour 3. Dr. R. N. Sharma, HOD, Deptt. of PBG, BAC, Sabour 4. Dr. A. K. Dubey Deputy Registrar, PPVFRA, Ranchi 5. Dr. Rajesh Kumar, Principal, BPSAC, Purnea. 6. Dr. Chandan Rai, Dept of PBG, BAC, Sabour	124	Paddy Dhaincha Vegetables	02 01 06

8.4. KMAS /SMS Portal

KISAN MOBILE ADVISORY SERVICE

No. of calls	No. of farmers covered	No. of messages	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
18563	260	86	27	00	00	00	21	30

8.5. SMS PORTAL

Date of start of functioning of SMS portal

No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
27919	28	1044	09	00	00	00	05	14

8. 6.Programme with SeemaSurakshaBal (BSF)

Title of Programme	Date	No. of participants

8.7. a. Utilization of HRD fund (Rs 0.50 Lakh provided to KVKs):- Fund Transfer to the Training Head

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme	Amount spent for the purpose (Rs.)

b. HRD fund utilized for other purposes

Head	Amount (Rs.)
Training	Rs 50,000/- (Fifty thousand only)

8.8. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2011-12	IMD	In Good Condition

8.9. IPNI Trail (**Applicable for KVKs identified under IPNI trial):- N/A**

I Name of Crop
II No. of farmers involved
III Area (ha.)
IV Date of sowing
V Crop Season
VI Result of trial with photographs however detailed results/observation should be sent as per performance after crop harvest
VII Amount Spent

8.10. Achievement under TSP Project (Saraikella, Godda, Sahibganj, Dumka, Giridih,,Pakur):- N/A

Name of the village adopted under TSP	Block	Population of the village			ST Population of the village			Percentage of ST population to total population
		M	F	T	M	F	T	

Details of Activities under TSP Project

Activities		No. of participants			Approx. expenditure (Rs.)
		M	F	T	
No. of on-farm trials					
Frontline demonstrations					
Farmers trained					
No of extension activities					
Input made available					
Seed (q)					
Planting material (No)					
Livestock strains and finger lings					
No of poultry, duck, pig, goat provided					
No of farm implements provided					
Others, if any, please specify					
Exposure visit					
Exhibition					
KisanMela					

8.11 PROGRESS REPORT OF NICRA KVK (Technology Demonstration component)
2013-14:- N/A

(**Applicable for KVKs identified under NICRA)**

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

Extension activities

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total

Detailed report should be provided in the circulated Performa

8.12. National Initiative on Fodder Technology Demonstration (NIFTD)
(**Applicable for KVKs identified under NIFTD)**

Name of the fodder crop	Date of sowing	Area (ha)	No. of farmers involved	Demonstration Yield (q/ha)			Check Yield			% increase
				H	L	A	H	L	A	
Maize(j-1006)	03-06-13	12.00	122	460	426	438	407	363	352	17.34
Coix	05-06-13	1.5	22	386	342	367	338	297	315	16.51
Cow Pea(Bundel)	08-06-13	1.2	12	340	295	317	298	255	276	14.86

Economic of Demonstration

Name of the fodder crop	Demonstration Cost/Rs/ha			Check Cost (Rs/ha)		
	Gross cost	Gross return	BC ratio	Gross cost	Gross return	BC ratio
Maize(j-1006)	22162	87600	3.95	21560	78400	3.64
Coix	22320	73400	3.29	21350	63000	2.95
Cow Pea(Bundel)	20470	63400	3.09	18550	55200	2.91

8.13. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1.	Best stall Award in BAU, Sabour Kisan Mela	2014	BAU, Sabour	Nil	Kisan Mela

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Mahindra Samridhi Award	Sri Shyam Nandan Singh	2013	Mahindra	Nil	Innovativeness in Agriculture
2.	Progressive Farmer Award	Sri Lalit kumar Singh	2014	BAU, Sabour	Nil	
3.	Innovative Farmer Award	Sri Lalit Kumar Singh	2014	Jeevika, Govt of Bihar	10,000/-	