

# ANNUAL REPORT 2011 (October 2010 to September 2011)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
<b>Krishi Vigyan Kendra, Katihar</b>	(06452) 246875	(06452) 246875	Kvk_katihar@yahoo.in

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

Address	Telephone		E mail
	Office	FAX	
Rajendra Agricultural University, Pusa, Samastipur, Bihar Pin – 848125	(06274) - 240266	(06274) 240255	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
<b>Dr. V.B.Jha</b>		8986938825	Kvk_katihar@yahoo.in

### 1.4. Year of sanction of KVK: 2004

### 1.5. Staff Position (as on 1<sup>st</sup> April, 2011)

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.V.B.Jha	I/C, Programme Coordinator	Plant Breeding		07-10-1997	I/C	Others
2	Subject Matter Specialist	Brajendu Kumar (On Study leave)	SMS (Fishery)	Fisheries	8000-13500	10-07-2001	Permanent	Others
3	Subject Matter Specialist	Basanti Kumari	SMS(H.Sc.)	Home Science	8000-13500	20.11.07	Permanent	SC
4	Subject Matter Specialist	Pankaj kumar	SMS (Extn.Edn.)	Extension Education	8000-13500	16.11.09	Permanent	OBC
5	Subject Matter Specialist							
6	Subject Matter Specialist							
7	Subject Matter Specialist							
8	Programme Assistant							
9	Computer Programmer							
10	Farm Manager							
11	Accountant /	B.N. Mahto	Accountant /		4500	27.01.07	Contractual	OBC

	Superintendent		Superintendent					
12	Stenographer	Rajeev Kumar	Stenographer		4500	20.09.07	Contractual	OBC
13	Driver	Dharmendra Kumar	Jeep (Driver)		4500	11.04.05	Contractual	Others
14	Driver							
15	Supporting staff	Arun Kr. Mandal	Peon		3500	01.07.05	Contractual	ST
16	Supporting staff							

1.6. Total land with KVK (in ha): 20ha

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Crops	6.00
3.	Orchard/Agro-forestry	5.00
4.	Others	7.00

1.7. Infrastructure Development:

A) Buildings

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)	Source of funding
1.	Administrative Building							
2.	Farmers Hostel				✓			ICAR
3.	Staff Quarters (6)	✓						ICAR
4.	Demonstration Units (2)	✓						ICAR
5	Fencing							ICAR
6	Rain Water harvesting structure							ICAR
7	Threshing floor					✓		ICAR
8	Farm godown					✓		ICAR
9.	Others							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2005	4.65		Good
Tractor M.F	2005	5.00		Good

## C) Equipment &amp; AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status
Xerox Machine Canon	2006	1,00,000	Good
Camera (Digital)	2007	15,000	Good
TV with DVD	2007	15,000	Good
Generator Set	2009	49,500	Good
Computer with Accessories	2008	50000	Good
Digital Weighing machine	2011	19500	Good
PA System	2011	24679	Good
Projector with Accessories	2011	99800	Good

## 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.	26.07.09	26	vacant SMS and staff seat should be filled up	26.07.09	26

\* **Attach a copy of SAC proceedings along with list of participants**

**2. DETAILS OF DISTRICT (2010-11)**

## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Paddy-Wheat based farming system
2.	Paddy-Maize based farming system
3.	Paddy- Rai- Boropaddy based farming system
4.	Fish Culture
5.	Bamboo Production & Processing
6.	Mushroom Production
7.	Makhana Cultivation and primary processing
8.	Poultry production

## 2.2 Description of Agro-climatic Zone &amp; major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1.	Zone-II (North – East Alluvial Plain)	High Temperature High Humidity Sandy to clay soil, Flood prone

S. No	Agro ecological situation	Characteristics
1.	Up land sandy soil	Suitable for maize, wheat, Banana, Vegetables & fruits
2.	Medium Sandy loam soil	Wheat, Maize, Jute, Rice, Oil seeds & pulses & vegetable & fruits cultivation
3.	Low lying clay soil with flood & water lodging condition	Suitable for deep water & Boro paddy, Makhana & Para Pulses
4.	Diara land of Kosi, Ganga and Mahananda with sandy to loamy soil	Rabi Maize, wheat oil seeds pulses & cucurbitaceous vegetable including parwal Flooded during Kharif Season

Source: - ATMA SREP

## 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Up land sandy soil	Suitable for vegetables wheat, maize, Banana	
2	Medium Loamy Soil	Well drained rich in organic carbon suited for wheat, Maize, oil seeds and pulses & vegetables	
3	Low lying clay soils	Suitable for makhana Boro Rice, fishery etc	
4	New alluvial diara land soil	Deposition of clay soil year after year good for rabi crops.	

## 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
	Paddy	78000	1638000	21
	Maize(rabi)	22600	1469000	65
	Wheat	31800	540600	17
	Arhar	120	960	8
	Lentil	360	1440	4
	Urd	200	1600	8
	Moong	350	3150	9
	Mustard	9230	83070	9

## 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April 2010	0			
May	200.6			
June	41.0			
July	194.3			
August	328.2			
September	54.6			
October	194.1			
November	0			
December	0			
January,2011	10.0			
February,2011	0			
March,2011	9.6			

Source: - D.A.O Statistics and AWS

## 2.6. Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>			
<i>Indigenous</i>	<b>652772</b>		
<b>Buffalo</b>	143133		
<b>Sheep</b>			

Crossbred			
Indigenous			
<b>Goats</b>	456794		
<b>Pigs</b>			
Crossbred			
Indigenous			
<b>Rabbits</b>			
<b>Poultry</b>			
Hen	655434		
Desi			
Improved			
Duck			
Turkey and others			
<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

## 2.6 Details of operational area / villages (2010-11)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
	Katihar	Manihari	Kumaripur Miapur Sohardangi Borani	Banana Boro Paddy, Oil Seeds Maize	Lack of high yielding variety, pest & diseases control	Water lodging resistant/ tolerant varieties of paddy
		Hasanganj	Rampur, Hasanganj	Wheat, Paddy , Mize, Vegetables	INM & IPM lacking	Introduction of high yielding varieties of ground crops
		Pranpur Mansahi	Mahadeo Nagar sangati Bari ,Marangi	Vegetables Maize, Jute, Boro Paddy	INM & IPM lacking	Introduction of newly released jute varieties

## 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

### **3. TECHNICAL ACHIEVEMENTS**

#### **3. A. Details of target and achievement of mandatory activities by KVK during 2010-11**

<b>OFT</b>				<b>FLD</b>			
<b>1</b>				<b>2</b>			
<b>Number of OFTs</b>		<b>Number of farmers</b>		<b>Number of FLDs</b>		<b>Number of farmers</b>	
<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>
5	2	25	10	5	3	25	15

<b>Training</b>				<b>Extension activities</b>			
<b>3</b>				<b>4</b>			
<b>Number of Courses</b>		<b>Number of Participants</b>		<b>Number of activities</b>		<b>Number of participants</b>	
<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>
689	286	3640	3942				

<b>Seed production (q)</b>		<b>Planting material (Nos.)</b>	
<b>5</b>		<b>6</b>	
<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>

#### **3.1 Achievements on technologies assessed and refined**

##### **A. Details of each On Farm Trial to be furnished in the following format**

- 1) Title of on-farm trials : **Suitability of wheat cultivars under normal sown condition**

##### **Problem diagnose**

- Use of older variety resulting in low yield
- Details of technologies selected for assessment/refinement
  - T<sub>1</sub> – Farmer's practice PBW – 343
  - T<sub>2</sub> – HD-2824
  - T<sub>3</sub> – HD-2733
  - T<sub>4</sub> – K-307
- Plot size: 500 sqm each
- Replication : 5
- Season : Rabi10-11
- Source of technology
  - IARI, New Delhi

➤ CSAUAT, Kanpur

- Production system and thematic area  
Newly recommended varieties
- Performance of the Technology with performance indicators

Technology option	No. of tillers/plants	No. of seed/spikelet	Yield/ha	Net return (Rs/ha)	BCR
T <sub>1</sub> PBW-343	22	64	31.50	15800/-	1.71
T <sub>2</sub> HD2824	26	69	37.00	22400/-	2.0
T <sub>3</sub> HD-2733	24	68	34.25	19100/-	1.86
T <sub>4</sub> K-307	19	65	32.50	17000/-	1.77

- 2) Final recommendation for micro level situation  
All the treatments showed higher net return as well as a BCR when compared with the farmer's practice. However, T<sub>0</sub> ie HD-2824 gave highest yield of 37.0 qt/ha with net return of Rs. 22400/- ha and BCR of 2.0. Hence, HD-2824 is recommended for cultivation under timely sown condition.
- 3) Constraints identified and feedback for research
  - Need of more number of irrigation ie 5 irrigation/crop cycle resulted in higher cost of cultivation due to sandy nature of soil.
  - Invention for such wheat cultivars more suited to particular region under moisture stress condition
- 4) Process of farmers participation and their reaction  
Field days/ training on particular OFT. Farmers realized to use recent genotypes for normal sown condition

### 3.2 Achievements of Frontline Demonstrations

A.. Details of FLDs implemented during 2009-10 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Wheat	Crop production	HD-2824	Rabi,10-11	5.0	4.0	-	10	10	
2.	Wheat	Crop production	PBW-373	Rabi,10-11	5.0	3.2	-	8	8	
3.	Maize	QPM	Shaktiman-4	Rabi,10-11	-	5.0	-	12	12	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Wheat	Rabi	Irrigated	Sandy loam				Paddy	20.2 5/11/10	10.1 5/4/11		
Wheat	Rabi	Irrigated	Clay loam				Paddy	15.2 0/12/10	10.1 5/4/11		
Maize	Rabi	Irrigated	Sandy loam				Paddy	10.1 5/11/10	25.3 0/4/11		

Performance of FLD

**Oilseeds:**

**Frontline demonstrations on oilseed crops NA**

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		
<b>Total</b>																	

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

\*\* BCR= GROSS RETURN/GROSS COST

**Pulses**



Fodder crops																		
Plantation crops																		
Fibre crops																		
Others (pl.specify)																		
<b>Total</b>																		

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

\*\* BCR= GROSS RETURN/GROSS COST

**Livestock :NA**

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.)				
					Demons ration	Check		Demons ration	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)																		
<b>Total</b>																		

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

\*\* BCR= GROSS RETURN/GROSS COST





Cotton										
Coconut										
Others (pl.specify)										
<b>Total</b>										
<b>Fodder crops</b>										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
<b>Total</b>										

NB: Attach few good action photographs with title at the back with pencil

Analytical Review of component demonstrations (details of each component for rained / irrigated situations to be given separately for each season).

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
	Rabi-2011	1. Seed/Variety, wheat HD-2824	Irrigated	38	33	15.15
	Rabi-2011	2. Wheat- PBW-373	Irrigated	29	26	11.53
	Rabi-2011	3. Maize -Shaktiman -4	Irrigated	72	66	9.09

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1. Wheat	High yielding variety with better performance in moisture stress
2. Maize	Need of high yielding qpm variety

Farmers' reactions on specific technologies

S. No	Feed Back
1. Wheat	Accepted to use recently recommended varieties for timely and late sown condition
2. Maize	Realized to grow QPM for nutritional security

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	4	12-3-11 16-3-11 20-3-11 22-3-11	63 56 71 68	
2	Farmers Training	2	10-11-10 16-11-10	25 28	
3	Media coverage				
4	Training for extension functionaries	1	19-1-2011	54	







Piggery													
Rabbit farming													
Poultry production													
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													
<b>TOTAL</b>													
<b>(C) Extension Personnel</b>													
Productivity enhancement in field crops	4	32	1	33						32	1		<b>33</b>
Integrated Pest Management	2	28	2	30						28	2		<b>30</b>
Integrated Nutrient management	1	22			1		1	1		1	24		<b>24</b>
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	6	42			2		2	12		12	56		<b>56</b>
Group Dynamics and farmers organization	2	22	3	25	1		1	2		2	25	3	<b>28</b>
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													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs	2	22	3	25	1	1	2	3	2	5	25	7	<b>32</b>
Any other (Pl. Specify)													
<b>TOTAL</b>	<b>148</b>	<b>1039</b>	<b>331</b>	<b>1370</b>	<b>58</b>	<b>166</b>	<b>224</b>	<b>65</b>	<b>139</b>	<b>201</b>	<b>1207</b>	<b>639</b>	<b>1846</b>

### B) 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				
<b>(A) Farmers &amp; Farm Women</b>														
<b>I Crop Production</b>														
Weed Management	2	30	2	32	6		6				36	2	38	
Resource Conservation Technologies	3	19	4	23	4		4	2		2	25	4	29	
Cropping Systems	4	41	3	44	8	2	10	2	1	3	51	6	57	
Crop Diversification	4	30	2	32	8		8	4		4	42	2	44	
Integrated Farming	5	22	1	23	5		5	2		2	29	1	30	
Water management	6	37	3	40	8	2	10	2		2	47	5	52	
Seed production														
Nursery management														
Integrated Crop Management														
Fodder production	4	23	3	26				2		2	25	3	28	
Production of organic inputs	4	23		23	6	2	8	9		9	38	2	32	
Others, (cultivation of crops )	5	29	2	31	9	1	10	4	5	9	42	8	50	





Others, if any													
<b>X Capacity Building and Group Dynamics</b>													
Leadership development	4	32	4	36	9	-	9	3	1	4	44	5	49
Group dynamics	3	29	1	30	3	1	4				32	2	34
Formation and Management of SHGs	8	36	2	38	11	1	12	4	2	6	51	5	56
Mobilization of social capital	3	21	5	26	6	1	7	5	3	8	32	9	41
Entrepreneurial development of farmers/youths	2	19	1	20	3	1	4				22	2	24
WTO and IPR issues	10	29	4	33	7	1	8	6	1	7	42	6	48
Others, if any	4	31	2	33	5	2	7	4	1	5	40	5	45
XI Agro-forestry	3	39	4	43	12	2	14	12	1	13	63	7	70
Production technologies	8	22	2	24	9		9	11		11	42	2	44
Nursery management	3	23	1	24	1	2	3				24	3	27
Integrated Farming Systems	2	29	2	31	10	1	11	4	1	5	43	4	47
<b>XII Others (PI. Specify)</b>													
<b>TOTAL</b>	<b>127</b>	<b>835</b>	<b>319</b>	<b>1154</b>	<b>48</b>	<b>165</b>	<b>213</b>	<b>43</b>	<b>139</b>	<b>182</b>	<b>926</b>	<b>623</b>	<b>1549</b>
<b>(B) RURAL YOUTH</b>													
Mushroom Production													
Bee-keeping	2	28	2	30	1	1	2	2	1	3	31	4	35
Integrated farming													
Seed production	3	22	2	24	3	1	4				25	3	28
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	3	21	2	23	2	1	3	1	1	2	24	4	28
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
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													
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													
<b>TOTAL</b>													
<b>(C) Extension Personnel</b>													
Productivity enhancement in field crops	2	24	16	40	10	1	11	3	1	4	37	18	55
Integrated Pest Management	3	29	20	49	12	2	14	2		2	43	22	65
Integrated Nutrient management	2	33	16	49	2	1	3	3		3	38	17	55
Rejuvenation of old orchards	4	60	22	82	12		12	2		2	74	22	96
Protected cultivation technology													
Formation and Management of SHGs	6	80	13	93	22	3	25	6		6	108	16	124
Group Dynamics and farmers organization	1	22	10	32	6	3	9	3		3	31	13	44







Integrated Farming													
Planting material production													
Vermi-culture	7	52	2	54	4	1	5	2	1	2	58	4	62
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
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													
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													
<b>TOTAL</b>													
<b>(C) Extension Personnel</b>													
Productivity enhancement in field crops	6	56	17	77	10	1	11	3	1	4	69	19	88
Integrated Pest Management	5	57	22	79	12	2	14	2		2	71	24	95
Integrated Nutrient management	3	55	16	71	3	1	4	4		4	62	17	79
Rejuvenation of old orchards	4	60	22	82	12		12	2		2	74	22	96
Protected cultivation technology													
Formation and Management of SHGs	12	122	13	135	24	3	27	18		18	164	16	180
Group Dynamics and farmers organization	3	44	13	57	7	3	10	5		5	56	16	72
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													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs	2	22	3	25	1	1	2	3	2	5	25	7	32
Any other (Pl. Specify)													
<b>TOTAL</b>	286	2232	732	2964	278	298	576	206	196	402	2716	1226	3942



### 3.4. 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	20	441	71	512				441	71	512
Kisan Mela	1	Many								
Kisan Ghosthi										
Exhibition										
Film Show										
Method Demonstrations seed treatment (Bavistin)	48	120		120				120		120
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons										
Newspaper coverage	12									12
Radio talks	6									6
TV talks	25									25
Popular articles										
Extension Literature	6									6
Advisory Services										
Scientific visit to farmers field	152	263	115	378						378
Farmers visit to KVK	794	794	22	816						816
Diagnostic visits	181	203		203						203
Exposure visits	1	82	18	100						100
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)										
Any Other (Specify)										
<b>Total</b>	<b>1246</b>	<b>1903</b>	<b>226</b>	<b>2129</b>						<b>2172</b>

### 3.5 Production and supply of Technological products

#### Village seed

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Cereals				
Oilseeds				
Pulses				
Commercial crops				
Vegetables				
Flower crops				

Spices				
Fodder crop seeds				
Fiber crops				
Forest Species				
Others				
<b>Total</b>				

**KVK farm**

<b>Crop</b>	<b>variety</b>	<b>Quantity of seed (q)</b>	<b>Value (Rs)</b>	<b>Number of farmers provided</b>
Cereals	Parbhat	26	16932	
Paddy	Rajendra bhagwati	3.84	2496	
Wheat	HD-2733	150	525000/-	
Oilseeds				
Mustard	Rajendra Anukool	36	216000/-	
Commercial crops				
Vegetables				
Flower crops				
Spices				
Fodder crop seeds				

Fiber crops				
Forest Species				
Others				
<b>Total</b>				

**Production of planting materials by the KVKs;NA**

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Commercial				
Vegetable seedlings				
Fruits				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Tuber				
Fodder crop saplings				
Forest Species				
Others				
<b>Total</b>				

**Production of Bio-Products;NA**

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

**Production of livestock materials;NA**

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

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors/Editor name	Number
Extension literature , 5	Jute ki unnat kheti	Pankaj Kumar	2500
	Gajarghas ka ekikrit niyantran	Pankaj Kumar	1000
	Madhumakhi palan kyon evam kaise	Pankaj Kumar	1000
	Mahila sasktikaran hetu syam sahayta samuh	Pankaj Kumar	1000
	Vermi compost	Pankaj Kumar	1000
Krishak samachar		Dr. I. N. Sharma Pankaj Kumar	1000
<b>TOTAL</b>	<b>6</b>		<b>7500</b>

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

### (C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

### (D) Details of HRD programmes undergone:

S. No.	Name of programme	Date and Duration	Organized by

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

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 for

- Identification of courses for farmers/farm women: Bench mark survey/discussion /feedback
- Rural Youth: Bench mark survey/discussion/feedback
- Inservice personnel: Bench mark survey/discussion/feedback

### 3.11 Field activities

- i. Number of villages adopted; 09
- ii. No. of farm families selected;300
- iii. No. of survey/PRA conducted;01

### 3.12. Activities of Soil and Water Testing Laboratory; NA

- Status of establishment of Lab :
1. Year of establishment :
  2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Total				

### 3.13 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

### 3.14 Technology week celebration;NA

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

### 3.15 RAWE programme

Is KVK is involved ?;NA

No of student/ARS trained	No of days stayed

### 3.16 NICRA Project;NA

Programme implemented	No of village covered	No of beneficiary covered	Amount of fund received	Amount of fund utilized

### 3.17 List of visitors including the officials of ZPD and DEE

Date	Name of the person	Purpose of visit
11-1-2011	Dr. M.L. Choudhry Hon'ble Vice- chancellor BAU, Sabour	Monitoring the activities
11-2-2011	Dr. Arjun Prasad Singh Dean Agriculture, BAU, sabour	Monitoring the activities
11-2-2011	Dr. S.R. Singh ADEE, Sabour	Monitoring the activities
11-2-2011	Dr. rajesh Kumar Principal, BPSAC, Purnea	Monitoring the activities
11-2-2011	Dr. Devesh Kumar Singh PD, ATMA	Discussion and planning
12-2-2011	Sri Shanker Jha DAO, Katihar	Discussion and planning
12-2-2011	Sri Indrajeet Singh DHO, Katihar	Discussion and planning
12-2-2011	Sri K.P.Singh M.O. IFFCO	Discussion and planning
30-2-2011	Sri V. Nag DDM, Nabard	Discussion and planning
6-3-2011	. ADM ,Katihar	Inauguration of Horticulture show

## 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	956	45		
Seed treatment	1200	30		
Vermicompost	650	10		
Seed production	150	3		
Fertiliser application	900	15		
Papaya production	15	7		
Bee keeping	350	20		
Mushroom production	150	7		

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)

- ⇒ Improved cultivars
- ⇒ Seed treatment
- ⇒ Bee keeping
- ⇒ Seed production

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

### 4.5 Details of innovations recorded by the KVK

### 4.6 Details of entrepreneurship development by the KVK

## ENTREPRENEURSHIP DEVELOPMENT AMONG FARMERS

### ➤ BEE- KEEPING(one box 50-60 kg )

Famers trained during 2008	Start beekeeping in a group	Production	Investment	Gross return	Remarks
Ist year	10 boxes	550 k.g.	25000/- for box 1000/- other expenses	55000/-	Net return – 20000/-
IInd year	20 boxes with 5 frame	1100 k.g	32000/-	110000/-	78000/- Present rate of 100/- Box- 400 rs frame

### Vermicompost

Farmers trained during 2008	Vermicompost production	Investment	Gross return	Remarks
Ist year	1750 cubic feet	30000/-	38000/- (9500 kg production @ 4rs.)	Net income 8000/- from 1 <sup>st</sup> year
IInd year			45000/- ( 1125 kg@4rs)	Net income 45000/- in 2 <sup>nd</sup> year

### Mushroom

Farmers trained during 2008	Vermicompost production	Investment	return	Net Return	Remarks
	1 <sup>st</sup> year (area 10*10)	2000/- (seed /4k.g Rope 2.5 k.g Formalin – ½ liter Bavistin 100 gm Polythene-2. kg) oaster	4200/- in 45 days (with 70 k.g.) rate 60/- per k.g	2220/-	Sept. to April

- QPM variety Shaktiman 4 Seed production during 2008-09in 5 acre
- QPM variety Shaktiman 4 Seed production during 2009-10in 12 acre
- QPM variety Shaktiman 4 Seed production during 2010-11in 30 acre
- Average seed yield 12.5 qtls /hect sold @ Rs. 100/-k.g.
  - Average net return of Rs. 78000/-hectare

#### 4.7 Any other initiative taken by the KVK

#### 4.8 Area not covered by the above or constraints or new proposal for XII plan

### 5.0 LINKAGES

#### 5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. DAO, Katihar.	HRD & Joint Programme Like Workshop, Training, Demonstration, Crop Cutting , Field Day, Krishak Gosthi
2. DHO, Katihar.	krishak gosthi, field day, P.f training, seminar, etc.
3. IFFCO, Katihar.	- do -
4. Krivco, Katihar	- do -
5. NABARD, Katihar	- do -
6. Jute Dev. Office, Katihar.	- do -
7. DAO, Purnea.	- do -
8. Sugarcane Deapertment, Purnea	- do -
10. ATMA, Katihar	-do
11. NGO, Katihar	-do -
12. JDA(Jute), Purnia	-do-
13. AIR, Purnea	-do-
14. ETV, Hayderabad	-do-

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

#### 5.2 List special programmes undertaken by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NHM/NFDB/Other Agencies

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
NHm model nursery	Model Nursery	March,07	RAU, Pusa	1800000/-
Assessment	Assessment	March,11	ATMA, Katihar	100000/-
Farm Development	Kisan Hostel	March,11	BAU, Sabour	200000/-
	Pond development	March,11	BAU, Sabour	300000/-
	Road development	March,11	BAU, Sabour	100000/-
	Fencing	March,11	BAU, Sabour	300000/-
	Soil testing lab	March,11	BAU, Sabour	200000/-



**6.5 Utilization of hostel facilities:**

Electrification completed  
Sanitation facility awaited

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2010			
March 2011			

(For whole of the year)

**6.5 Utilization of staff quarters**

Whether staff quarters has been completed:

No of staff quarters:

Date of completion:

**Occupancy**

Months	Q I	QII	Q III	QIV	Q V	QVI
April 2010						
March 2011						

**7. FINANCIAL PERFORMANCE****7.1 Details of KVK Bank accounts**

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI	Katihar	10501337736
With KVK	SBI	Katihar	10501342703

## 7.2 Utilization of funds under FLD on Oilseed (Rs. In Lakhs);NA

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2007
	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	
Inputs					
Extension activities					
TA/DA/POL etc.					
<b>TOTAL</b>					

## 7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs);NA

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2011
	Kharif	Rabi	Kharif	Rabi	
Inputs					
Extension activities					
TA/DA/POL etc.					
<b>TOTAL</b>					

## 7.4 Utilization of funds under FLD on Cotton (Rs. In Lakhs);NA

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2011
	Kharif	Rabi	Kharif	Rabi	
Inputs					
Extension activities					
TA/DA/POL etc.					
<b>TOTAL</b>					

## 7.5 Utilization of KVK funds during the year 2009 -10

S. No.	Particulars	Sanctioned (Rs.in lakh)	Released (Rs.in lakh)	Expenditure (Rs)
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	8.00	8.00	784468/-
2	<b>Traveling allowances</b>	0.80	0.080	18059/-
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	2.00	157155/-
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	2.15	2.15	67053/-
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)	0.60	0.60	12600/-
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.75	0.75	975/-
G	Training of extension functionaries			
H	Maintenance of buildings			

I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library	0.10	0.10	10184/-
<b>TOTAL (A)</b>		<b>14.00</b>	<b>14.00</b>	<b>1050494/-</b>

### Utilization of KVK funds during the year 2010 -11

S. No.	Particulars	Sanctioned (Rs.in lakh)	Released (Rs.in lakh)	Expenditure (Rs)
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	18.00	16.00	1607758/-
2	<b>Traveling allowances</b>	0.75	0.75	58255/-
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.33	2.33	232756/-
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	2.32	2.32	231356/-
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)	0.60	0.60	57708/-
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.75	0.75	13165/-
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory	4.00	4.00	-
J	Library	0.10	0.10	10000/-
<b>TOTAL (A)</b>		<b>29.00</b>	<b>27.00</b>	<b>2210998</b>

<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
2	<b>Equipments including SWTL &amp; Furniture</b>	5.55	5.55	
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
4	<b>Library</b> (Purchase of assets like books & journals)			
<b>TOTAL (B)</b>				
<b>C. REVOLVING FUND</b>				
<b>TOTAL (B)</b>		<b>5.55</b>	<b>5.55</b>	<b>144239/-</b>
<b>Grand Total (A+B)</b>		<b>34.55</b>	<b>32.55</b>	<b>2355237/-</b>

### 7.5 Status of revolving fund (Rs. in lakhs) for the last three years

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash)
April 2008 to March 2009	104585.49	51036/-	90840/-	64781.49
April 2009 to March 2010	64781.49	238391/-	165698/-	137474.49

April 2010 to March 2011	137414.49	196042.00	197912.00	135544.49
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**7.6 Any other significant achievements (provide full details with action photograph)**

**7.7 Number of SHGs formed by KVKs/associated with SHGs formed by other organizations.**