

# ANNUAL REPORT

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
<b>Krishi Vigyan Kendra, Katihar</b>	(06452) 246875		<a href="mailto:kvk_katihar@yahoo.in">kvk_katihar@yahoo.in</a>

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. Indradeo Narayan Sharma</b>	06452 – 247912	09430946864	

1.4. Year of sanction:

(Reference of Sanction Order)

2004 – F.No. 4 – 4/95 – AE - I

### **1.5. Staff Position (as on 31<sup>st</sup> March 2010)**

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. I.N. Sharma I/C	Programe Coordinator	Entomology	12000-18300	–	I/C	Others
2	Subject Matter Specialist	Brajendu Kumar (On Study leave)	SMS (Fishery)	Fisheries	8000-13500	06.12.07	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	Vacant						
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Vacant						

9	Computer Programmer	Vacant						
10	Farm Manager	R. Choudhary	Farm Manager	Agricultural Extension	5000	12.07.06	Contractual	Others
11	Accountant / Superintendent	B.N. Mahto	Accountant / Superintendent		3500	27.01.07	Contractual	OBC
12	Stenographer	Rajeev Kumar	Stenographer		3500	20.09.07	Contractual	OBC
13	Driver (Jeep)	Dharmendra Kr.	Jeep (Driver)		3500	11.04.05	Contractual	Others
14	Driver (Tractor)	Vacant						
15	Supporting staff	Arun Kr. Mandal	Peon		2750	01.07.05	Contractual	ST
16	Supporting staff	Vacant	Night - Guard					

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

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	0.00
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	5.00
5.	Others ( Deep Water, Jheel)	7.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building Renovation	ICAR						Completed
2.	Farmers Hostel	ICAR		42.00		Sept.06	1	Completed
3.	Staff Quarters (6)	ICAR				Not Started		
4.	Demonstration Units (2)	ICAR				Not Started		
5	Fencing	ICAR				352m boundary wall Completed		Remaining Uncompleted
6	Rain Water harvesting system	ICAR				Not Started		
7	Threshing floor	ICAR				Started	1	Roof, plaster completed
8	Farm go down	ICAR				Started	1	wall filling of earth brick work completed

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs. in lacs)	Kms. run during the year	Total Kms. run	Present status
Bolero Jeep	2005	4.65	93,735 KM	71,735	Good
Tractor M.F	2005				Good

**C) Equipments & AV aids**

Name of the 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

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

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	26.07.09	26	vacant SMS and staff seat should be filled up	

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

**2. DETAILS OF DISTRICT (2007-08)****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1.	Paddy, Maize Wheat, Mustard, Jute, Fruits ,Vegetable & Banana
2.	Vermiculture
3.	Poultry Production
4.	Fish Culture
5.	Bamboo Production & Processing
6.	Mushroom Production
7.	Makhana Cultivation

**2.2 Description of Agro-climatic Zone & 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 up land will low lying are,a Flood prone

**Source :- NARP**

S. No	Agro ecological situation	Characteristics
1.	Up land sandy soil	Good 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	Well good for vegetables wheat, maize, Banana	
2.	Medium Loany Soil	Well drained good for wheat, Maize, oil seeds and pulses & vegetables rich in organic carbon	
3.	Low lying clay soils	Good 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 (2008-09)

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Rice	78220	1173300	15.00
2.	Maize (Kharif)	4250	68425	16.10
3.	Maize (Rabi)	22600	497200	22.00
3.	Wheat	31800	540600	17.00
4.	Boro Rice	35000	1400000	40.00
5.	Vegetables	6000		
6.	Oil Seeds	9830	117960	12.00
7.	Pulses	2620	23580	9.00
8.	Banana	8000		

Source :- D.A.O Statistics

## 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April 09	0			
May 09	200.6			
June 09	41.00			
July 09	194.3			
August 09	328.2			
September 09	54.6			
October 09	194.1			
November 09	0			
December 09	0			
January 10	0			
February 10	0			
March 10	0			

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>	3,10,806		
<i>Crossbred</i>	2,08,682		
<i>Indigenous</i>	1,32,055		
<b>Buffalo</b>	1,35,055		
<b>Sheep</b>	38,965		
Crossbred			

<i>Indigenous</i>			
<b>Goats</b>	2,85,139		
<b>Pigs</b>	85,654		
<i>Crossbred</i>			
<i>Indigenous</i>			
<b>Rabbits</b>			
<b>Poultry</b>	11,20,922		
Hens	9,27,820		
<i>Desi</i>	6,68,332		
<i>Improved</i>	2,59,488		
Ducks	1,93,102		
Turkey and others			

<b>Category</b>	<b>Area (In Ha)</b>	<b>Production</b>	<b>Productivity</b>
Fish	7500	11000 M.T.	1466 kg./ ha
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

## 2.6 Details of Operational area / Villages (2009-10)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Katihar	Manihari	Kumaripur Miapur Sohardangi Borani	Banana Boro Paddy, Oil Seeds Maize	Lack of high yielding var & 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	"	Introduction of newly released jute varieties

## 2.7 Priority thrust areas

<b>S. No</b>	<b>Thrust area</b>
1.	Lack of Suitable high yielding variety of Boro Paddy
2.	Lack of High yielding varieties of Vegetables suitable for the district
3.	Lack of suitable varieties of oil seeds & pulses for the district
4.	Lack of Short duration varieties of oil seeds filled in – Oil seeds – Boropaddy Cropping Sequence
5.	Lack of suitable cropping system in diara land of the district
6.	Identification and Promotion of flood tolerant rice varieties for Kharif and Cold tolerant varieties for Boro Paddy
7.	Development and promotion of contingency crop planning for post flood situation.
8.	Promotion of location specific nutrient management system.
9.	Promotion of horticultural crops, vegetables medicinal plants and flowers

10.	Promotion of INM and IPM
11.	Development and Promotion of Agro based enterprises viz, apiculture , organic manure production, vermicompost, Makhana Processing, fishery, Banana based enterprises medicinal aromatic plants processing etc.
12.	Formation and functioning of SHG for the empowerment of women.
13.	Promotion and adoption of Integrated farming system for the district.
14.	Promotion of protected cultivation of vegetable and flowers

### 3. TECHNICAL ACHIEVEMENTS

#### 3.1. A. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions
				Title of OFT if any
1.	Increasing production & productivity of pulse crop	Pigeon pea Lentil Green gram	Non grain setting in pulse crops and farmers unawareness about Sulphur .	To select a suitable variety of Pigeon pea lentil, Greengram and role of Sulphur to increase the productivity of Pulses.
2.	Increasing production & productivity of Boro paddy	Boro rice	Lack of suitable variety of HYV & cold tolerant varieties of Boro paddy	To select a suitable variety of Boro rice

Interventions				
Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
FLD on Pigeon pea var. P9, Lentil var. PL 406, Green gram var. SML 668 Mustard – RAUTS 17	Scientific cultivation of (i) Green gram (ii) Lentil (iii) Pigeon pea with R. culture (iv) Boro rice with inclusion of recently released new varieties		(i) Field days (ii) Field visits	(i) Pigeon pea – P 9 (ii) Lentil – PL 406 (iii) Green gram SML – 668 (iv) Jute – JRO 66 (v) Mustard – RAUTS 17
FLD on Satyam			-do-	(i) Satyam

#### 3.1. B. Details of each On Farm Trial to be furnished in the following format

- 1) Title of on-farm trials - To select High yielding mustard variety in Boro Paddy Cropping System
- 2) Problem diagnose
- 3) Details of technologies selected for assessment/refinement– Included varieties
- 4) Source of technology - RAU Pusa
- 5) Production system and thematic area
- 6) Performance of the Technology with performance indicators
- 7) Final recommendation for micro level situation
- 8) Constraints identified and feedback for research
- 9) Process of farmers participation and their reaction

#### 3.1.C. Results of On Farm Trials

Crop/ enterprise	Farmin g situation	Problem Diagnose d	Title of OFT	No. of trials *	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12

\* No. of farmers



## 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					
								28.10.09			
Paddy	Kharif	Irrigated	Loamy				Wheat	20.5.09	01.10.09		
Sesmum	Kharif	Irrigated	Loamy				Wheat	22.7.09			

## FLD Details

Sl. No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in Yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Paddy	Variety	SATYAM	12	5	46.5	34.1	42.31	31.2	35.60		
2.	Sesamum	Variety	krishna	10	5	6.41	4.15	5.24	2.64	49.62		
3.												
4.												
5.												
6.												

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

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20

Analytical Review of component demonstrations (details of each component for rainfed / 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
Paddy	Kharif -09	Satyam ( variety)	Irrigated	42.31	31.20	35.60
Sesamum	Kharif -09	krishna (variety)	Irrigated	5.24	2.64	49.62





<b>f) Spices</b>											
Production and Management technology	4	17	-	17	4	-	4	3	-	3	24
Processing and value addition											
Others, if any											
<b>g) Medicinal and Aromatic Plants</b>											
Nursery management	2	41	-	41	7	-	7	1	-	1	49
Production and management technology	3	19	-	19	15	-	15	-	-	-	34
Post harvest technology and value addition											
Others, if any											
<b>III Soil Health and Fertility Management</b>											
Soil fertility management	4	31	1	32	7	-	7	-	-	-	39
Soil and Water Conservation	3	18	4	22	5	-	5	3	-	3	30
Integrated Nutrient Management	8	44	2	46	9	-	9	3	-	3	57
Production and use of organic inputs	3	30	-	30	8	-	8	4	-	4	42
Management of Problematic soils	2	22	-	22	4	-	4	1	-	1	27
Micro nutrient deficiency in crops	10	38	2	40	8	-	8	1	-	1	49
Nutrient Use Efficiency											
Soil and Water Testing											
Others, if any											
<b>IV Livestock Production and Management</b>											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
Others, if any											
<b>V Home Science/Women empowerment</b>											
Household food security by kitchen gardening and nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1		23	-		2	2	-	-	-	25
Minimization of nutrient loss in processing	1	-	9	9	-	7	7	-	-	-	16
Gender mainstreaming through SHGs											
Storage loss minimization techniques	1		18	18		5	5		2	2	25
Value addition	1		10	10		8	8		2	2	20
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
Others, if any											
<b>VI Agril. Engineering</b>											
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											
<b>VII Plant Protection</b>											
Integrated Pest Management	41	312	-	-	-	-	-	-	-	-	312
Integrated Disease Management	33	197	-	197	35	-	35	18		18	250



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	14	46	3	49	13	-	13	6	-	6	68
Integrated Pest Management	11	38	-	38	8	-	8	3	-	3	49
Integrated Nutrient management											
Rejuvenation of old orchards											
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											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	3	23	-	23	5	-	5	4	-	4	32
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
<b>TOTAL</b>	<b>255</b>	<b>1569</b>	<b>174</b>	<b>1338</b>	<b>340</b>	<b>38</b>	<b>370</b>	<b>159</b>	<b>5</b>	<b>153</b>	<b>2207</b>





Integrated Disease Management	22	80	–	80	19	–	19	13	–	13	112
Bio-control of pests and diseases	24	75	–	75	16	–	16	8	–	8	99
Production of bio control agents and bio pesticides											
Others, if any											
<b>VIII Fisheries</b>											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing	3	19	–	19	4	–	4	–	–	–	23
Composite fish culture	8	38	–	38	5	–	5	4	–	4	47
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											
<b>IX Production of Inputs at site</b>											
Seed Production	4	24	–	24	8	–	8	4	–	4	36
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	3	35	–	35	15	–	15	8	–	8	58
Organic manures production	8	40	–	40	15	–	15	8	–	8	63
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											
<b>X Capacity Building and Group Dynamics</b>											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others, if any											
<b>XI Agro-forestry</b>											
Production technologies											
Nursery management											
Integrated Farming Systems											
<b>XII Others (Pl. Specify)</b>											
<b>TOTAL</b>											
<b>(B) RURAL YOUTH</b>											
Mushroom Production	5	35	6	41	15	–	15	8	–	8	64
Bee-keeping	6	40	–	40	12	–	12	7	–	7	59
Integrated farming											
Seed production	8	50	–	50	15	–	15	6	–	6	71
Production of organic inputs	7	42	–	42	14	–	14	9	–	9	65
Integrated Farming											
Planting material production											
Vermi-culture	5	25	–	25	8	–	8	2	–	2	35

Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	6	41	2	43	9	-	9	7	-	7	59
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	15	75	-	75	18	-	18	12	-	12	107
Integrated Pest Management	15	73	-	73	18	-	18	12	-	12	103
Integrated Nutrient management	4	33	-	33	6	-	6	-	-	-	39
Rejuvenation of old orchards	5	33	-	33	9	-	9	3	-	3	45
Protected cultivation technology											
Formation and Management of SHGs	9	44	12	56	12	2	14	7	1	8	78
Group Dynamics and farmers organization	6	31	22	53	19	1	20	3	1	4	77
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											
Composite fish culture											
Production and use of organic inputs	12	64	-	64	14	-	14	9	-	9	87
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
<b>TOTAL</b>	<b>405</b>	<b>1921</b>	<b>143</b>	<b>2144</b>	<b>526</b>	<b>44</b>	<b>579</b>	<b>316</b>	<b>15</b>	<b>331</b>	<b>3033</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants									Grand Total
		Others			SC			ST			
		M	F	T	M	F	T	M	F	T	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Weed Management	14	69	12	81	23	-	23	19	-	19	123
Resource Conservation Technologies	6	35	1	36	10	-	10	5	-	5	51
Cropping Systems	6	57	1	58	18	-	18	9	-	9	85
Crop Diversification	10	44	3	47	12	-	12	8	-	8	57
Integrated Farming	6	44	-	44	14	-	14	-	-	-	58
Water management	10	63	2	65	17	-	17	11	-	11	93
Seed production	13	75	-	75	18	-	18	13	-	13	106
Nursery management	13	72	9	81	28	-	28	16	1	17	126
Integrated Crop Management	12	54	2	56	19	-	19	19	-	19	94
Fodder production	7	72	-	74	11	-	11	10	-	10	95
Production of organic inputs											
Others, if any											
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Production of low volume and high value crops	11	52	2	54	12	-	12	4	-	4	70
Off-season vegetables	11	64	-	64	8	-	8	6	-	6	78
Nursery raising	6	41	2	43	28	-	28	12	-	12	83
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)	4	39	-	39	6	-	6	4	-	4	49
Others, if any											
<b>b) Fruits</b>											
Training and Pruning	8	17	-	17	5	-	5	3	-	3	25
Layout and Management of Orchards	9	60	-	60	16	-	16	14	-	14	90
Cultivation of Fruit	13	78	-	78	20	-	20	14	-	14	112
Management of young plants/orchards	6	74	-	74	16	-	16	15	-	15	105
Rejuvenation of old orchards	6	78	-	78	20	-	20	19	-	19	117
Export potential fruits											
Micro irrigation systems of orchards	3	17	-	17	4	-	4	3	-	3	24
Plant propagation techniques	8	56	-	56	14	-	14	11	-	11	81
Others, if any											
<b>c) Ornamental Plants</b>											
Nursery Management	2	33	-	33	7	-	7	5	-	5	45
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others, if any											
<b>d) Plantation crops</b>											
Production and Management technology	4	33	-	33	9	-	9	7	-	7	49
Processing and value addition											
Others, if any											
<b>e) Tuber crops</b>											
Production and Management technology	14	71	2	73	17	-	17		-	-	90
Processing and value addition											
Others, if any											
<b>f) Spices</b>											
Production and Management technology	17	75	-	75	23	-	23	18	-	18	116
Processing and value addition	2	33	2	35	8	3	11	3	-	3	49

Others, if any											
<b>g) Medicinal and Aromatic Plants</b>											
Nursery management	7	72	-	72	16	-	16	8	-	8	96
Production and management technology	10	52	-	52	20	3	23	11	-	11	86
Post harvest technology and value addition	2	17	-	17	5	-	5	3	-	3	25
Others, if any											
<b>III Soil Health and Fertility Management</b>											
Soil fertility management	9	62	-	77	31	-	31	16	-	16	124
Soil and Water Conservation	6	37	-	37	11	-	11	7	-	7	55
Integrated Nutrient Management	15	84	-	84	20	-	20	15	-	15	119
Production and use of organic inputs	9	65	-	65	16	-	16	12	-	12	93
Management of Problematic soils	2	22	-	22	4	-	4	1	-	1	27
Micro nutrient deficiency in crops	13	38	-	38	8	-	8	5	-	5	46
Nutrient Use Efficiency	13	55	2	57	18	-	18	6	-	6	81
Soil and Water Testing											
Others, if any											
<b>IV Livestock Production and Management</b>											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
Others, if any											
<b>V Home Science/Women empowerment</b>											
Household food security by kitchen gardening and nutrition gardening	1	-	18	18	-	9	9		3	3	30
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1	-	23	23	-	2	2		-	-	25
Minimization of nutrient loss in processing	1	-	9	9	-	7	7	-	-	-	16
Gender mainstreaming through SHGs											
Storage loss minimization techniques	3	-	42	42	-	23	23	-	2	2	67
Value addition	3	-	38	38	-	20	20	-	4	4	62
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	1	-	21	21	-	4	4	-	3	3	28
Others, if any											
<b>VI Agril. Engineering</b>											
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											
<b>VII Plant Protection</b>											
Integrated Pest Management	78	522	-	522		-	-	-	-	-	522
Integrated Disease Management	55	277	-	277	64	-	64	31	-	31	372
Bio-control of pests and diseases	29	175		175	16	-	16	8	-	8	199



Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	6	41	2	43	9	-	9	7	-	7	49
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	29	121	3	124	67	13	80	18	-	18	222
Integrated Pest Management	26	103	-	103	26	-	26	15	-	15	144
Integrated Nutrient management	4	33	-	33	6	-	6	-	-	-	39
Rejuvenation of old orchards	5	33	-	33	9	-	9	3	-	3	45
Protected cultivation technology											
Formation and Management of SHGs	9	44	12	56	12	2	14	7	1	8	78
Group Dynamics and farmers organization	6	31	22	53	19	1	20	3	1	4	77
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	15	87	-	87	19	-	19	18	-	18	124
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
<b>TOTAL</b>	<b>660</b>	<b>3490</b>	<b>317</b>	<b>3482</b>	<b>866</b>	<b>82</b>	<b>949</b>	<b>475</b>	<b>20</b>	<b>484</b>	<b>5240</b>

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

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC			Number of ST			Total
					M	F	T	M	F	T	M	F	T	
	Practicing Farmers & farmer	Improved technology in wheat production	2	ON	31		31	3		3	2		2	36
		Recent technology for wheat cultivation, water weed and nutrient management	2	OFF	29		29	8		8	4		4	41
		Water & weed management in rabi maize	4	OFF	60		60	11		11	8		8	79
		Water, fertilizer & weed management in Bore padday	4	OFF	36		36	8		8	2		2	46
		Scientific cultivation of sept. Arhar	2	OFF	51		51	11		11	9		9	71
		Scientific cultivation of Pulses & Oilseed	4	OFF	38		38	9		9	4		4	51
		Scientific cultivation of Oilseed and Pulses	3	ON	31		31	5		5	3		3	39
		Commercial cultivation of Green Gram in Summer	3	OFF	33		33	6		6	4		4	43
		Scientific Cultivation of Jute	3	ON	23		23	4		4	2		2	29
		Commercial Cultivation of Jute	3	OFF	39		39	6		6	6		6	51
		Scientific Cultivation Kharif Paddy	3	ON	25		25	5		5	5		5	35
		Scientific Cultivation of Paddy ( Nursery to field)	3	OFF	25		25	4		4	4		4	33
		Scientific Cultivation of Arhar	1	ON	27		27	4		4	3		3	34
		Insect Pest management in cole crop	2	ON	27		27	4		4	1		1	32
		Insects Pest and Disease management in vegetables	2	OFF	31		31	6		6	5		5	42
		Insect, Pest and disease management in Rabi Vegetable	2	ON	38		38	4		4	-		-	42
		Insect Pest and disease management in Rabi vegetables	3	OFF	31		31	4		4	3		3	38

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC			Number of ST			Total
					M	F	T	M	F	T	M	F	T	
		Insect pest and disease management in Rabi crop.	2	ON	28		28	3		3	1		1	32
		Soil pest management in Rabi crop	2	OFF	23		23	4		4	1		1	28
		Insect and disease management in Rabi oilseed crop.	3	OFF	21		21	2		2	3		3	36
		Insect and disease management in Rabi maize	2	OFF	21		21	7		7	2		2	30
		Insect, pest & disease management in Mango & litchi	2	OFF	26		26	6		6	3		3	35
		Stem borer & hopper management in Boro paddy	1	OFF	19		19	2		2	1		1	22
		Insect pest management in cucurbits	3	ON	27		27	2		2	1		1	30
		Insect & disease management in Summer vegetable	3	OFF	23		23	2		2	1		1	26
		Insect pest management in summer cucurbites	2	ON	22		22	4		4	2		2	28
		Insect pest & disease management in summer crop	3	OFF	20		20	3		3	2		2	25
		Insect pest management in summer vegetable	3	ON	17		17	3		3	2		2	22
		Insect management in summer maize	3	OFF	22		22	1		1	2		2	25
		Insect pest and disease management in summer Bhindi	1	ON	29		29	2		2	1		1	32
		Insect pest and disease management in jute	2	ON	17		17	6		6	3		3	26
		Insect & disease management in jute	2	OFF	20		20	2		2	2		2	24
		Insect pest & disease management in kharif paddy	2	ON	35		35	4		4	-		-	39
		Insect pest of storage of Rabi grains & their management	1	OFF	24		24	3		3	2		2	29
		Composite fish culture	6	ON	39	-	39	11	-	11	9	-	9	59

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC			Number of ST			Total
					M	F	T	M	F	T	M	F	T	
		Integration of fish culture with rice, duck, pig & poultry	4	OFF	20		20	3		3	2		2	25
		Nursery and fea rearing pond management of Indian Major Carps and Enatic Carps	4	ON	20		20	3		3	2		2	25
		Insect pest & disease management in potato crop	3	ON	22		22	2		2	2		2	26
	Rural Youth	Scientific cultivation of wheat crop	2	OFF	20		20	3		3	2		2	25
		scientific cultivation of pulses & oilseed	2	ON	25		25	3		3	2		2	30
		scientific cultivation of Boro paddy	2	OFF	25		25	3		3	2		2	30
		Improved cultivation of summer crop	2	ON	26		26	3		3	3		3	32
		scientific cultivation of jute	1	ON	20		20	2		2	2		2	24
		scientific cultivation of paddy & maize	1	OFF	22		22	2		2	2		2	26
		Recent technology for jute retting for quality to fiber production	1	ON	27		27	5		5	2		2	34
		Recent advances for paddy cultivation	2	OFF	25		25	3		3	2		2	30
		Inscent pest & Disease management in Rabi vegetable	2	ON	50		50	3		3	2		2	57
		Insect pest & disease management in nursery & orchasd	1	OFF	25		25	3		3	2		2	30
		Insect pest & disease management in summer vegetable	2	ON	25		25	3		3	2		2	30
		Insect pest & disease management of Boro paddy	3	OFF	33		33	5		5	3		3	41
		Insect pest & disease management of fruit plants	2	ON	20		20	3		3	2		2	25
		Insect pest management in cucurbits & oal	2	OFF	25		25	3		3	2		2	30
		Insect pest management in summer vegetable	2	ON	25		25	3		3	2		2	30

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC			Number of ST			Total
					M	F	T	M	F	T	M	F	T	
		Insect pest & disease management in jute crop	1	OFF	20		20	3		3	2		2	25
		Insect pest management in rainy rearon vegetables	1	ON	20		20	3		3	2		2	25
		Insect pest & disease management of jute	2	ON	22		22	2		2	2		2	26
		Insect pest & disease management in rainy vegetables	2	OFF	20		20	3		3	2		2	25
	Extension functionaries	Improve cultivation of Rabi crop	2	ON	25		25	3		3	2		2	30
		Scientific cultivation of rabi crop	1	OFF	25		25	3		3	2		2	30
		Scientific cultivation of pulses & oilseed production	3	ON	26		26	3		3	3		3	32
		Recent advances for cultivation of Boro paddy	2	ON	20		20	2		2	2		2	24
		Scientific cultivation of summer crop	2	OFF	22		22	2		2	2		2	26
		Scientific cultivation of kharif crop	2	ON	27		27	5		5	2		2	34
		Scientific cultivation of kharif crop	1	OFF	25		25	3		3	2		2	30
		Recent advance for insect pest management in rabi crops	3	ON	50		50	3		3	2		2	55
		Insect & disease management in rabi vegetables	3	OFF	25		25	3		3	2		2	30
		Recent advances for insect pest management in rabi vegetable	3	ON	25		25	3		3	2		2	30
		Insect & disease management in fruit plant	1	OFF	33		33	5		5	3		3	41
		Recent advances for insect pest management in summer vegetables	2	ON	50		50	3		3	2		2	57
		Recent advance of insect pest management in rainy vegetables	3	OFF	21		21	3		3	1		1	26
		Insect pest & disease management in new orchard	1	ON	24		24	3		3	1		1	29

## (D) 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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Organic Farming	To switch over from traditional to organic farming	To aquant with organic fertilizers and pesticides	Six days	25	–	25	Vermi comp ost	10	20	

\*training title should specify the major technology /skill transferred

## (E) Sponsored Training Programmes

SIN o.	Title	Thematic area	Month	Duration (days)	Client	No of Participants			Sponsoring Agency
					PF/RY/EF	Male	Female	Total	
1	Integrated Nutrient Management	Nutrient Management	April,09	1	PF, RY EF	60	–	60	IFFCO
2	Scientific cultivation of summer corps	Soil management Nutrient pest and pest harvest management	April,09	2	PF, RY EF	65	6	71	DHO Katihar
3.	Establishment of Nursery and orchard Management	Method of propagation & soil, weed pest, Nutrient & Intercropping	May,09	2	PF, RY EF	75	2	77	DHO Katihar
4	Scientific Cultivation in Tal Dlara land	Soil, Water, Pest and weed management in Tal Dlara land	June,09	3	PF, RY EF	102	5	107	AATMA Katihar
5	Role of Biofertilizer in Kharif Crops	Method of applicant production and utilization of Biofertilizer	July,09	2	PF, RY EF	150	6	150	IFCO Katihar
6	Improved method of Jute cultivation	Varieties, Nutrient Pest and weed management with retting technology	July,09	2	PF, RY EF	75	2	77	Jute Development Govt of India
7	Scientific Cultivation of Rabi Crops	Soil, Water, weed and Pest management of cereat pulses & oilseed crops	Sept,09	4	PF, RY EF	150	8	158	DAO Katihar
8	Makhana & Fish cultivation	Scientific method of makhana & fish cultivation	Jan,10	2	PF, RY EF	85	5	90	Makhana research centre Dharbhanga
9	Production Preservation of marketing of Banana	Varieties, Nutrient Water, weed , inter cropping Pest management and preservation & Marketing of Banana	March,10	2	PF, RY EF	300	10	310	NHM
10.	Role of Rhyzobium in Pulses crops	Method of application and utilization of Biofertilizer	March,10	2	PF, RY EF	130	22	152	ATMA,Path Angikanchal

### 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	31	610	19	629	16	-	16	626	19	648
Kisan Mela	4	many								
Kisan Ghosthi	18	460	-	460	9	-	9	469	-	469
Exhibition										
Film Show										
Method Demonstrations										
Farmers Seminar										
Workshop	4	62	2					62	2	64
Group meetings										
Lectures delivered as resource persons										
Newspaper coverage	39									
Radio talks	31									
TV talks	63									
Popular articles	-									
Extension Literature	2									
Advisory Services	390									
Scientific visit to farmers field	44									
Farmers visit to KVK		471	67	538	40		40	511	67	578
Diagnostic visits	5									
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp	1									
Animal Health Camp	1									
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)	6									
Any Other (Specify)										
<b>Total</b>										

### 3.5 Production and supply of Technological products

#### A. SEED MATERIALS PRODUCED AT KVK FARM

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
<b>CEREALS</b>	<b>Paddy</b>				
<b>OILSEEDS</b>	Mustard	RAUTS - 17	0.25		13
<b>PULSES</b>	Green Gram	Pusa Vishal	1.75		13



OTHERS (Specify)

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
<b>FRUITS</b>					
<b>SPICES</b>					
<b>VEGETABLES</b>					
<b>FOREST SPECIES</b>					
<b>ORNAMENTAL CROPS</b>					
<b>PLANTATION CROPS</b>					
<b>Others (specify)</b>					

SUMMARY

Sl. No.	Crop	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	<b>TOTAL</b>			

BIO PRODUCTS

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
<b>BIOAGENTS</b>						
1						
2						
3						
4						

<b>BIOFERTILIZERS</b>						
1 Rhyzobium culture (Pulses)	R. culture moong R.Culture lentil		200	3.00	-	200
2 Azotobacter, (Wheat)			100	1.25	-	100
3 Azosprillun						
4						
<b>BIO PESTICIDES</b>						
1						
2						
3						
4						

<b>SUMMARY</b>
----------------

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS	R. culture	200	3.00		200
3	BIO PESTICIDE	Azotobacter	100	1.25	-	100
	<b>TOTAL</b>					

### LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
<b>CATTLE</b>						
<b>SHEEP AND GOAT</b>						
<b>POULTRY</b>						
<b>FISHERIES</b>						

Others (Specify)						

<b>SUMMARY</b>
----------------

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					
<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 name	Number
Research papers			
Technical reports			
News letters			
Technical bulletins			
Popular articles			
Extension literature			
<b>TOTAL</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 personnel development

### 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 :  
Knowledge Test, Group discussion, Request for SHGs other organisation, NGOs
- Rural Youth :  
After assessing the potentiality of any Enterprise in the District, Rural Youth are provided training.
- Inservice personnel :  
As per request.

**3.11 Field activities**

- |      |                               |     |    |
|------|-------------------------------|-----|----|
| i.   | Number of villages adopted    | –   | 5  |
| ii.  | No. of farm families selected | –   | 50 |
| iii. | No. of survey/PRA conducted   | --- | 01 |

**3.12. Activities of Soil and Water Testing Laboratory**

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				

#### **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)
SML 668	75	90%	2500/- Unit	4000/- Unit
RAUTS – 17	125	95%	3500/- Unit	4500/- Unit

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)**

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

#### **5.0 LINKAGES**

##### **5.1 Functional linkage with different organizations**

Name of Organization	Nature of Linkage.
1. DAO, Katihar.	HRD & joint programme like workshop
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 -
9. DHO, Purnea.	-do -
10. ATMA, Katihar	-do
11. NGO, Katihar	-do -
12. JDA(Jute), Purnia	-do-
13. AIR, Purnea	-do-
14. ETV, Hyderabad	-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 of special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies**

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Agriculture officers training on establishment of nursery and orchard management		National Horticultural Mission	



### 6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

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

### 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	

### 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)
October 2009			Electricity
November 2009			Connection
December 2009			Water Supply
January 2010			Sanitary Fitting
February 2010			Lacking
March 2010			

(for whole of the year)

## 7. FINANCIAL PERFORMANCE

### 7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	SBI	Shiv Mandir chowk, katihar	10501342703

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

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					Send Sepratarly
TA/DA/POL etc.					
TOTAL					

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

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	Send Sepretarly				
TA/DA/POL etc.					
<b>TOTAL</b>					

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

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.				Send Sepretarly	
<b>TOTAL</b>					

### 7.5 Utilization of KVK funds during the year 2009 -10 (upto March. 2010) (Year-wise separately) (Current year and previous year)

S.No	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>			
2	<b>Traveling allowances</b>			
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)			
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			
<b>TOTAL (A)</b>				
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
2	<b>Equipments including SWTL &amp; Furniture</b>			
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>GRAND TOTAL (A+B+C)</b>				

**7.5 Status of revolving fund (Rs. in lakhs) for the 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 (2+3-4)
1	2	3	4	5
April 2004 to March 2005	0.0	189545/-	96851/-	92694/-
April 2005 to March 2006	92694/-	112842.57	150450/-	55087/-
April 2006 to March 2007	55087.49	128361/-	111466/-	71982.49
April 2007 to March 2008	71982.49	106023/-	73420/-	104585.49
April 2008 to March 2009	104585.49	51036/-	90840/-	64781.49
April 2009 to March 2010	64781.49	238391/-	165698/-	137474.49

**8.0 Please include information which has not been reflected above (write in detail).****8.1 Constraints**

- a. Administrative: -
- i. Lack of Scientist & Staff.
  - ii. Lack of Administrative building.
  - iii. Lack of Fencing of K.V.K. Katihar, Farm.
  - iv. Lack of Scientist quarter & Staff quarter
  - v. Lack of Two Wheeler Motor Cycle.
  - vi. Lack of Irrigation Channel.
  - vii. Lack of Implement shade & Carrage.
  - viii. Lack of Road under Farms.
  - ix. Lack of Store house.
- b. Financial
- c. Technical: Lack of equipment & implements, thresher, Transplantor, Harvesting Machine, Jute seed drill, jute decorticator and retting tank.



System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>										

Table 1 C: Abstract on the number of technologies assessed in respect of livestock enterprises

<b>Thematic areas</b>	<b>Cattle</b>	<b>Poultry</b>	<b>Piggery</b>	<b>Rabbitary</b>	<b>Fisheries</b>	<b>TOTAL</b>
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
<b>TOTAL</b>						

Table 1 D: Abstract on the number of technologies refined in respect of livestock enterprises

<b>Thematic areas</b>	<b>Cattle</b>	<b>Poultry</b>	<b>Piggery</b>	<b>Rabbitary</b>	<b>Fisheries</b>	<b>TOTAL</b>
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
<b>TOTAL</b>						

Table – 1 E Details of technology refined

<b>Crop / Enterprise</b>	<b>Technology Assessed</b>	<b>No. replications</b>	<b>Technology refined</b>	<b>Result justifying the refinement</b>

## 2. Details of Frontline Demonstrations

**Table – 2 A Front Line Demonstrations on Oilseed Crops**

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Seamum Kharif	Varieties evaluation	10	5	5.24	2.64	2.6				
Paddy	Varieties evaluation	12	5	42.31	31.2	11.11				

**Table – 2 B Front Line Demonstrations on Pulse Crops**

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Red Gram / Kharif	Varieties evaluation									
Lentil (Rabi)	Varieties evaluation									
Green Gram (Summer)	Varieties evaluation									

**Table – 2 C Front Line Demonstrations on Other Crops**

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		

**Table – 2 D Front Line Demonstrations on Other enterprises**

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Size of Unit	Parameter indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
						Demon.	Local check		

## 3. Details of training programmes conducted:

**Table – 3 A Area-wise distribution of On + Off Campus Training Courses for Farmers and Farm Women (Regular + Sponsored )**

Thematic Area	No. of Courses	No. of Participants									Grand Total
		Others			SC			ST			
		M	F	T	M	F	T	M	F	T	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Weed Management	14	69	12	81	23	-	23	19	-	19	123
Resource Conservation Technologies	6	35	1	36	10	-	10	5	-	5	51
Cropping Systems	6	57	1	58	18	-	18	9	-	9	85
Crop Diversification	10	44	3	47	12	-	12	8	-	8	57
Integrated Farming	6	44	-	44	14	-	14	-	-	-	58
Water management	10	63	2	65	17	-	17	11	-	11	93
Seed production	13	75	-	75	18	-	18	13	-	13	106
Nursery management	13	72	9	81	28	-	28	16	1	17	126









Table – 4 Numbers of Extension Activities and Beneficiaries

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	31	610	19	629	16	–	16	626	19	645
Kisan Mela	4	Many	Many	Many	10	2	12	Many	Many	Many
Kisan Ghosthi	18	460	-	460	9	–	9	469	-	469
Exhibition	2	Many	Many	Many						
Film Show										
Method Demonstrations										
Farmers Seminar										
Workshop	4	62	2					62	2	64
Group meetings										
Lectures delivered										
Newspaper coverage	39	Many	Many							
Radio coverage	31	Many	Many							
TV coverage	63	Many	Many							
Radio Programmes										
TV Programmes										
Publications										
Popular articles		Many	Many							
Extension Literature	2	Many	Many							
Advisory Services	390	Many	Many							
Scientific visit to farmers field	44	Many	Many							
Farmers visit to KVK	–	300	–	300	10	–	10	310	–	310
Diagnostic visits	29	Many	Many							
Field visits	12	Many	Many							
Exposure visits	1	2		2						2
Ex-trainees Sammelan										
Agriculture Camps										
Clinic day										
Soil health Camp										
Animal Health Camp	1									
Agri mobile clinic										
Soil test campaigns	1									
Farm Science Club										
Conveners meet										
Self Help Group										
Conveners meetings										
Mahila Mandals										
Conveners meetings										
Celebration of important days (specify)	6									
Any Other (Specify)										
<b>Total</b>										

Table – 5 A Productions of Seeds

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (in Rs.)	Provided to No. of Farmers
<b>I. CEREALS</b>					
1					
2					
3					
4					
5					
6					
<b>Total</b>					
<b>II. OIL SEEDS</b>					
1					
2					

3					
4					
5					
6					
<b>Total</b>					
<b>III. PULSES</b>					
1					
2					
3					
4					
5					
6					
<b>Total</b>					
<b>IV. VEGETABLES</b>					
1					
2					
3					
4					
5					
6					
<b>Total</b>					
<b>V. OTHERS</b>					
1					
2					
3					
4					
5					
<b>Total</b>					

**SUMMARY**

Sl. No.	Crop	Quantity (qtl.)	Value (in Rs.)	Provided to No. of Farmers
I	CEREALS			
II	OIL SEEDS			
III	PULSES			
IV	VEGETABLES			
V	OTHERS			
<b>TOTAL</b>				

Table – 5 B Production of planting/seedling materials of Fruits/Vegetables/Forest Species

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
<b>I. FRUITS</b>					
1					
2					
3					
4					
5					
<b>Total</b>					
<b>II. VEGETABLES</b>					
1					
2					
3					
4					
5					
<b>Total</b>					

<b>III. SPICES</b>					
1					
2					
3					
4					
5					
<b>Total</b>					
<b>IV. FOREST SPECIES</b>					
1					
2					
3					
4					
5					
<b>Total</b>					
<b>V. ORNAMENTAL CROPS</b>					
1					
2					
3					
4					
5					
<b>Total</b>					
<b>VI. PLANTATION CROPS</b>					
1					
2					
3					
4					
5					
<b>Total</b>					
<b>VII. OTHERS</b>					
1					
2					
3					
4					
5					
<b>Total</b>					

**SUMMARY**

Sl. No.	Crop	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
I	FRUITS			
II	VEGETABLES			
III	SPICES			
IV	FOREST SPECIES			
V	ORNAMENTAL CROPS			
VI	PLANTATION CROPS			
VII	OTHERS			
	<b>TOTAL</b>			

Table -5 C Production of bio products

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
I. BIOAGENTS						

1						
2						
3						
4						
<b>II. BIOFERTILIZERS</b>						
1						
2						
3						
4						
<b>III. BIO PESTICIDES</b>						
1						
2						
3						
4						
5						

35 hectare wheat sown in Katihar District by Zero seeddrill Machine in Collaboration with DAO & ATMA Katihar

**SUMMARY**

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
I	BIOAGENTS					
II	BIO FERTILIZERS					
III	BIO PESTICIDE					
	<b>TOTAL</b>					

**Table 5 D Livestock materials**

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
<b>I. CATTLE</b>						
<b>II. SHEEP AND GOAT</b>						
<b>III. POULTRY</b>						

<b>IV. FISHERIES</b>						
<b>V. Others (Specify)</b>						

<b>SUMMARY</b>						
Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
I	CATTLE					
II	SHEEP & GOAT					
III	POULTRY					
IV	FISHERIES					
V	OTHERS					
	<b>TOTAL</b>					

Signature of Project Coordinator

Signature of DEE