

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	
Krishi Vigyan Kendra, Katihar	(06452) 246875		kvk_katihar@yahoo.co.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
Dr. Indradeo Narayan Sharma	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 31st March 2009)

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	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	Vacant						
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	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						

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	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		Remaining Uncompleted
6	Rain Water harvesting system	ICAR				Not Started		
7	Threshing floor	ICAR				Started	1	Layout
8	Farm godown	ICAR				Started		Layout

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	12,565 KM	32,000	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.				

* 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
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 Plane)	High Temperature High Humidity Sandy to claye soil up land will low lying area 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	Rabi Maize, wheat oil seeds and pulses & cucurbitaceous vegetable in during parwal flooded during Kharif Season

Source :- ATMA

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Rice	70517	1225590	17.3
2.	Maize	10400	364000	35.0
3.	Wheat	35200	492800	14.0
4.	Boro Rice	27300	955500	35.0
5.	Vegetables			
6.	Oil Seeds	12044	91860	7.6
7.	Pulses	3459	23800	6.9
8.	Banana			

Source :- D.A.O Statistics

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
Oct 08	48.9			
Nov 08	00.0			
Dec 08	3.7			
Jan 09	00.0			
Feb 09	10.9			
March 09	16.7			

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

Category	Population	Production	Productivity
Cattle	3,10,806		
<i>Crossbred</i>	2,08,682		
<i>Indigenous</i>	1,32,124		
Buffalo	1,35,055		
Sheep	38,965		
<i>Crossbred</i>			
<i>Indigenous</i>			
Goats	2,85,139		
Pigs	85,654		
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry	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			

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

2.6 Details of Operational area / Villages (2008-09)

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 Sahardangi Borani	Banana Boro Paddy, Oil Seeds Maize	Lack of high yielding var & pest & diseases control	
		Hasanganj	Rampur, Hasanganj	Wheat, Paddy Vegetables	“	
		Pranpur Mansahi	Mahadeo Nagar sangali Bari Marangi	Vegetables Maize, Jute, Boro Paddy	“	

2.7 Priority thrust areas

S. No	Thrust area
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 Cropfaring 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 IMM 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.

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	To select a suitable variety of Pigeon pea lentil, Greengram
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 Jute – JRO 66 Mustard – RAUTS 17	Scientific cultivation of (i) Green gram (ii) Lentil (iii) Pigeon pea & (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 Boro Basmati			-do-	(i) Boro Basmati

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 (Boro Paddy)

Crop/ enterprise	Farming situation	Problem Diagnosed	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
Mustard	Low land	Low yield	to select High yielding mustard variety in Boro Paddy Cropping System		RAUTS 17 R.Suphalam Swarna	Yield		RAUTS 17 highest yielder			

* No. of farmers

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16
Farmer's practice**			
Technology assessed**			
Technology refined **			

*Field crops – kg/ha, * for horticultural crops – kg or t / ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

** Give details of the technology assessed or refined and farmer's practice

3.2 Achievements of Frontline Demonstrations

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2005-06 (October to September) and recommended for large scale adoption in the district

S. No	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha

b. Details of FLDs implemented during 2008-09 (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	Sesum	Varietal Evaluation	Krisna	Kharif-08	5 ha.	5 ha.	1	1	8	10	Var Pragati Seed not available
2	Mustard	Varietal Evaluation	RAU 75-17	Rabi- 08-0	5 ha.	5 ha.	2	1	7	12	
3	Red gram	Varietal Evaluation	P-9	Kharif- 08	2 ha.	5 ha.	1	1	7	10	
4	Lentil	Varietal Evaluation	DL-406	Rabi- 08-09	5 ha.	2 ha.	2	1	7	12	
5	Green Gram	Varietal Evaluation	SML-668	Summer-08	5 ha.	5 ha.	3	1	6	12	
6.	Jute	Varietal evaluation	JRO 66	Summer 09	10 Ha	10 Ha	2	1	07	10	

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					
Sesum	Kharif	Irrigated	Loamy				Wheat				
Redgram	Kharif	Irrigated	Loamy				Wheat				
Greengram	Summer	Irrigated	Loamy				Mustard				
Lentil	Rabi	Irrigated	Loamy				Paddy				
Jute	Summer	Unirrigated	Loamy				Wheat				
Mustard	Rabi	Irrigated	Loamy				Paddy				

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.	Red Gram Kharif	Variety	P-9	10	2	10.2	8.2	10.22	7.92	29.04		
2.	Lintel Rabi	Variety	PL-406	10	5	13.9	8.1	10.41	8.7	21.06		
3.	Green Gram (Summer)	Variety	SML 668	10	5	Result awaited						
4.	Sesamum Kharif	Variety	Krishna	10	5	5.2	3.4	4.73	3.40	39.12		
5.	Mustard Rabi	Variety	RAUTS 17	10	5	11.5	6.8	8.21	5.61	45.61		
6.	Jute	Verity	JRO 66	10	10	Result awaited						

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
		1. Seed/Variety				
Sesmum	Kharif-0a	Krishna	Irigated			
Mustard	Rabi	Rajendra Anukul	Irigated			
Red gram	Kharif	P-9	Irigated			
Green gram	Summer	SML-668	Irigated			
Lentil	Rabi	PL- 406	Irigated			
Jute	Summer	JRO-66	unirrigated			

Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back
1	Sesmum	Desire for white variety cultivation
2	Mustard	Aphid resistant variety.
3.	Redgram	short duration variety resistant to pod borer

Farmers' reactions on specific technologies

S. No	Crop	Feed Back
1	Sesmum	Appreciated to the demonstrated variety Krishna
2	Mustrad	Appreciated to the demonstrated variety of RAUTS 17
3	Redgram	Appreciated to the demonstrated variety of P-9 variety.
4	Lentil	Appreciated to the demonstrated variety of PL – 406
5	Greengram	Appreciated to the demonstrated variety of SML 668
6.	Jute	Appreciated to the demonstrated variety of SML 668

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	5		200	
2	Farmers Training	4		115	
3	Media coverage	5		Many	
4	Training for extension functionaries	2		46	

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

* **Field efficiency, labour saving etc.**

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

* **Milk production, meat production, egg production, reduction in disease incidence etc.**

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom								
Apiary								
Sericulture								
Vermi compost								

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants									Grand Total	
		Others			SC			ST				
		M	F	T	M	F	T	M	F	T		
(A) Farmers & Farm Women												
I Crop Production												
Weed Management	5	30	2	32	10	–	10	5	1	6	48	

Resource Conservation Technologies	3	20	-	20	3	-	3	2	-	2	25
Cropping Systems	3	17	-	17	5	-	5	3	-	3	25
Crop Diversification	3	18	-	18	4	-	4	3	-	3	25
Integrated Farming											
Water management	5	36	-	36	8	-	8	6	-	6	50
Seed production	6	35	-	35	7	-	7	6	-	6	48
Nursery management	5	25	1	26	11	1	12	10	-	10	48
Integrated Crop Management	8	28	-	28	10	-	10	15	-	15	53
Fodder production											
Production of organic inputs	6	35	-	35	15	-	15	8	-	8	58
Others, if any											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops	3	14	-	14	6	-	6	4	-	4	24
Off-season vegetables	3	18	-	18	3	-	3	2	-	2	23
Nursery raising	5	30	-	30	11	-	11	9	-	9	50
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
Others, if any											
b) Fruits											
Training and Pruning	3	17	-	17	5	-	5	3	-	3	25
Layout and Management of Orchards	7	40	-	40	10	-	10	8	-	8	58
Cultivation of Fruit	6	38	-	38	12	-	12	6	-	6	56
Management of young plants/orchards	5	35	-	35	9	-	9	8	-	8	52
Rejuvenation of old orchards	6	38	-	38	8	-	8	7	-	7	53
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	3	18	-	18	2	-	2	3	-	3	23
Others, if any											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others, if any											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others, if any											
e) Tuber crops											
Production and Management technology	5	19	-	19	5	-	5	1	-	1	25
Processing and value addition											
Others, if any											
f) Spices											
Production and Management technology	4	17	-	17	4	-	4	3	-	3	24
Processing and value addition											
Others, if any											
g) Medicinal and Aromatic Plants											
Nursery management	2	36	-	36	7	-	7	5	-	5	48
Production and management technology	5	18	-	18	5	-	5	2	-	2	25
Post harvest technology and value addition											
Others, if any											
III Soil Health and Fertility Management											
Soil fertility management	5	39	-	39	9	-	9	7	-	7	55
Soil and Water Conservation	3	18	-	18	4	-	4	3	-	3	25
Integrated Nutrient Management	6	36	-	36	10	-	10	8	-	8	54
Production and use of organic inputs	7	38	-	38	7	-	7	5	-	5	50

Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Others, if any											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops	10	35	–	35	10	–	10	5	–	5	50
Integrated Pest Management	9	38	–	38	8	–	8	4	–	4	50
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	5	39	–	39	6	–	6	4	–	4	49
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	229	1193	38	1231	293	20	313	202	9	211	1755

Integrated Disease Management	21	75	–	75	20	–	20	13	–	13	108
Bio-control of pests and diseases	25	78	–	78	15	–	15	8	–	8	98
Production of bio control agents and bio pesticides											
Others, if any											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing	2	17	–	17	3	–	3	–	–	–	20
Composite fish culture	6	32	–	32	4	–	4	4	–	4	40
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others, if any											
IX Production of Inputs at site											
Seed Production	3	20	–	20	6	–	6	4	–	4	30
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	6	40	–	40	11	–	11	8	–	8	59
Organic manures production	7	38	–	38	12	–	12	8	–	8	58
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Others, if any											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others, if any											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL											
(B) RURAL YOUTH											
Mushroom Production	6	34	8	42	10	–	10	8	–	8	60
Bee-keeping	5	38	–	38	11	–	11	7	–	7	56
Integrated farming											
Seed production	7	40	–	40	14	–	14	7	–	7	61
Production of organic inputs		39	–	39	10	–	10	9	–	9	58
Integrated Farming											
Planting material production											
Vermi-culture	3	20	–	20	7	–	7	3	–	3	30

Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops		40	-	40	10	-	10	9	-	9	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											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops	17	78	-	78	18	-	18	14	-	14	112
Integrated Pest Management	15	73	-	73	18	-	18	12	-	12	103
Integrated Nutrient management	5	39	-	39	11	-	11	8	-	8	58
Rejuvenation of old orchards	6	38	-	38	10	-	10	8	-	8	54
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											
Composite fish culture	3	15	-	15	5	-	5	-	-	-	20
Production and use of organic inputs	10	58	-	58	14	-	14	10	-	10	82
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	326	1940	92	2032	520	33	553	377	16	393	2985

Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	3	20	-	20	7	-	7	3	-	3	30
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											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops	27	113	-	113	28	-	28	19	-	19	132
Integrated Pest Management	24	111	-	111	26	-	26	16	-	16	153
Integrated Nutrient management	5	39	-	39	8	-	8	8	-	8	55
Rejuvenation of old orchards	6	38	-	38	10	-	10	8	-	8	56
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	15	97	-	97	20	-	20	14	-	14	131
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	570	3078	129	3207	818	52	870	597	25	626	4673

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	22		22	4		4	3		3	22
		Recent technology for wheat cultivation, water weed and nutrient management	3	OFF	25		25	5		5	4		4	25
		Water & weed management in rabi maize	2	OFF	30		30	5		5	5		5	30
		Water, fertilizer & weed management in Bore padday	8	OFF	24		24	2		2	2		2	24
		Scientific cultivation of sept. Arhar	1	OFF	28		28	5		5	3		3	28
		Scientific cultivation of Pulses & Oilseed	3	OFF	30		30	5		5	5		5	30
		Scientific cultivation of Oilseed and Pulses	2	ON	25		25	3		3	2		2	25
		Commercial cultivation of Green Gram in Summer	3	OFF	25		25	5		5	3		3	25
		Scientific Cultivation of Jute	3	ON	20		20	3		3	2		2	20
		Commercial Cultivation of Jute	2	OFF	30		30	5		5	5		5	30
		Scientific Cultivation Kharif Paddy	3	ON	25		25	5		5	5		5	25
		Scientific Cultivation of Paddy (Nursery to field)	3	OFF	25		25	4		4	4		4	25
		Scientific Cultivation of Arhar	1	ON	27		27	4		4	3		3	27
		Insect Pest management in cole corp	2	ON	25		25	3		3	2		2	25
		Insects Pest and Disease management in vegetables	2	OFF	30		30	5		5	5		5	30
		Insect, Pest and disease management in Rabi Vegetable	2	ON	25		25	3		3	2		2	25
		Insect Pest and disease management in Rabi vegetables	1	OFF	30		30	5		5	5		5	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 and disease management in Rabi crop.	2	ON	24		24	2		2	2		2	24
		Soil pest management in Rabi crop	2	OFF	20		20	3		3	2		2	20
		Insect and disease management in Rabi oilseed crop.	1	OFF	25		25	3		3	2		2	25
		Insect and disease management in Rabi maize	1	OFF	22		22	5		5	2		2	22
		Insect, pest & disease management in Mangos litchi	2	OFF	25		25	5		5	5		5	25
		Stem borer & hopper management in Boro paddy	1	OFF	20		20	3		3	2		2	20
		Insect pest management in cucurbits	2	ON	27		27	5		5	2		2	27
		Insect & disease management in Summer vegetable	3	ON	20		20	3		3	2		2	20
		Insect pest management in summer cucurbites	2	OFF	23		23	5		5	3		3	23
		Insect pest & disease management in summer crop	3	ON	20		20	3		3	2		2	20
		Insect pest management in summer vegetable	3	ON	18		18	3		3	2		2	18
		Insect management in summer maize	3	ON	20		20	2		2	3		3	20
		Insect pest and disease management in summer Bhindi	1	OFF	22		22	3		3	2		2	22
		Insect pest and disease management in jute	2	OFF	22		22	5		5	2		2	22
		Insect & disease management in jute	2	ON	20		20	2		2	2		2	20
		Insect pest & disease management in kharif paddy	2	OFF	25		25	3		3	2		2	25
		Insect pest of storage of Rabi grains & their management	1	OFF	25		25	5		5	5		5	25
		Composite fish culture	12	OFF	127	–	127	16	–	16	8	–	8	127

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	60	–	50	6	–	6	4	–	4	60
		Nursery and fea rearing pond management of Indian Major Carps and Enatic Carps	4	OFF	77	–	67	9	–	9	4	–	4	80
		Insect pest & disease management in potato crop	3	ON	18		18	2		2	2		2	18
	Rural Youth	Scientific cultivation of wheat crop	2	ON	20		20	3		3	2		2	20
		scientific cultivation of pulses & oilseed	2	ON	23		23	5		5	3		3	23
		scientific cultivation of Boro paddy	2	OFF	23		23	3		3	5		5	23
		Improved cultivation of summer crop	2	ON	26		26	3		3	3		3	26
		scientific cultivation of jute	1	OFF	20		20	5		5	2		2	20
		scientific cultivation of paddy & maize	1	ON	20		20	3		3	2		2	20
		Recent technology for jute retting for quality to fiber production	1	OFF	23		23	2		2	1		1	23
		Recent advances for paddy cultivation	2	OFF	23		23	3		3	5		5	23
		Inscent pest & Disease management in Rabi vegetable	2	OFF	20		20	3		3	2		2	20
		Insect pest & disease management in nursery & orchasd	1	ON	25		25	3		3	2		2	25
		Insect pest & disease management in summer vegetable	2	OFF	25		25	2		2	3		3	25
		Insect pest & disease management of Boro paddy	3	ON	22		22	2		2	2		2	22
		Insect pest & disease management of fruit plants	2	ON	25		25	5		5	5		5	25
		Insect pest management in cucurbits & oal	2	ON	25		25	3		3	2		2	25
		Insect pest management in summer vegetable	2	ON	25		25	3		3	2		2	25

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	20
		Insect pest management in rainy rearon vegetables	1	ON	20		20	3		3	2		2	20
		Insect pest & disease management of jute	2	ON	22		22	2		2	2		2	22
		Insect pest & disease management in rainy vegetables	2	OFF	20		20	3		3	2		2	20
	Extension functionaries	Improve cultivation of Rabi crop	2	ON	25		25	3		3	2		2	25
		Scientific cultivation of rabi crop	1	OFF	25		25	3		3	2		2	25
		Scientific cultivation of pulses & oilseed production	3	ON	26		26	3		3	3		3	26
		Recent advances for cultivation of Boro paddy	2	ON	20		20	2		2	2		2	20
		Scientific cultivation of summer crop	2	OFF	22		22	2		2	2		2	22
		Scientific cultivation of kharif crop	2	ON	27		27	5		5	2		2	27
		Scientific cultivation of kharif crop	1	OFF	25		25	3		3	2		2	25
		Recent advance for insect pest management in rabi crops	3	ON	50		50	3		3	2		2	50
		Insect & disease management in rabi vegetables	3	OFF	25		25	3		3	2		2	25
		Recent advances for insect pest management in rabi vegetable	3	ON	25		25	3		3	2		2	25
		Insect & disease management in fruit plant	1	OFF	33		33	5		5	3		3	33
		Recent advances for insect pest management in summer vegetables	2	ON	50		50	3		3	2		2	50
		Recent advance of insect pest management in rainy vegetables	3	OFF	29		29	5		5	4		4	29
		Insect pest & disease management in new orchard	1	ON	25		25	3		3	2		2	25

(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	The Matic area	Month	Duration (days)	Client	No of Participants			Sponsoring Agency
					PF/RY/EF	Male	Female	Total	
1	Fish seed production & pond management	1. Integrated Fish Farming 2. Carp fry and fingerling rearing 3. Composite Fish Culture	January,08	10	PF, RY EF	60	–	60	National Fisheries development Board
2	Scientific cultivation of summer corps	Soil management Nutrient pest and pest harvest management	April	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	2	PF, RY EF	75	2	77	DHO Katihar
4	Scientific Cultivation of Kharif Crops	Soil, Water, Pest and weed management of Kharif Crop	July	3	PF, RY EF	102	5	107	DAO Katihar
5	Role of Biofertilizer in Kharif Crops	Method of applicant production and utilization of Biofertilizer	July	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	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	4	PF, RY EF	150	8	158	DAO Katihar
8	Fishery Management				PF, RY EF				
9	Makhana & Fish cultivation	Scientific method of makhana & fish cultivation	Jan	2	PF, RY EF	85	5	90	Makhana research centre Dharbhanga
10	Production Preservation of marketing of Banana	Varieties, Nutrient Water, weed , inter cropping Pest management and preservation & Marketing of Banana	March	2	PF, RY EF	300	10	310	NHM

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	9	188	10	198	8	-	8	196	10	206
Kisan Mela	6	many								
Kisan Ghosthi	5	160	-	160	10	-	170	170	-	170
Exhibition										
Film Show										
Method Demonstrations										
Farmers Seminar										
Workshop	8	80	2					80	2	82
Group meetings										
Lectures delivered as resource persons										
Newspaper coverage	25									
Radio talks	18									
TV talks	54									
Popular articles	5									
Extension Literature	6									
Advisory Services	250									
Scientific visit to farmers field	30									
Farmers visit to KVK		300		300	10		10	310		310
Diagnostic visits	5									
Exposure visits										
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)										
Total										

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
CEREALS	Paddy	Kishory	8		30
		Sakuntala	8		28
		Prabhat	2		8
		Boro Basmati	1.5		4
OILSEEDS	Sesumum	Krishna	2		5
PULSES	Green Gram	Pusa Vishal	1		25

		SML 668	1	20
VEGETABLES	Okra –	Arka Anamika -	0.5	
FLOWER CROPS				
OTHERS (Specify)				

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS – Paddy	16	–	58
2	OILSEEDS – Cesamum	2		5
3	PULSES – Pusa Vishal	1		25
4	VEGETABLES – SML 668	1		20
5	FLOWER CROPS			
6	OTHERS Okra – Arka Anamka	0.50		
TOTAL				

B. SEED MATERIALS PRODUCED THROUGH VILLAGE SEED PRODUCTION PROGRAMME

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
OILSEEDS					
PULSES					
VEGETABLES					
FLOWER CROPS					

OTHERS (Specify)

PLANTING MATERIALS

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

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			
	TOTAL			

BIO PRODUCTS

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

BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
CATTLE						
SHEEP AND GOAT						
POULTRY						
FISHERIES						
Others (Specify)						

SUMMARY

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					
TOTAL						

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	1. केला में समेकित कीट व्याधि प्रबंधन	डॉ० आई एन० शर्मा	केला सेमिनार
	2. समेकित कीट प्रबंधन सूत्र	डॉ० आई एन० शर्मा	केला सेमिनार
Extension literature	1. मिश्रित मत्स्यपालन	ब्रजेन्दु कुमार	1000
	2. नर्सरी तालाबों में जीरा पालन	ब्रजेन्दु कुमार	1000
	3. बाढ़ग्रस्त क्षेत्रों में जीरा पालन का महत्व	ब्रजेन्दु कुमार	1000
	4. महाझींगा पालन	ब्रजेन्दु कुमार	1000
	5. मखाना सह मत्स्यपालन	ब्रजेन्दु कुमार	1000
	6. नए तालाबों का निर्माण एवं पुराने तालाबों का जीर्णोद्धार	ब्रजेन्दु कुमार	1000
	7. टमाटर का परिक्षण	बसन्ती कुमारी	500
TOTAL			

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

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)

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.	- do -
3. IFFCO, Katihar.	- do -
4. Krivco, Katihar	- do -
5. NABARD, Katihar	- do -
6. Jute Dev. Office, Katihar.	- do -
7. DAO, Purnea.	- do -
8. DAO, Kishanganj	- do -
9. DHO, Kishanganj.	-do -
10. ATMA, Katihar	-do
11. NGO, Katihar	-do -
12. JDA(Jute), Purnia	-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.)
Model Nursery Development in 4 ha	Nov 2006	National Horticultural Mission	18.00 lacs
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 2008			Electricity
November 2008			Connection
December 2008			Water Supply
January 2009			Sanitary Fitting
February 2009			Lighting
March 2009			

(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 st 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 st April 2007
	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	
Inputs					
Extension activities	Send Sepretarly				
TA/DA/POL etc.					
TOTAL					

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

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

7.5 Utilization of KVK funds during the year 2006 -07 and 2007 -08 (upto Sep. 2007) (year-wise separately) (current year and previous year)

S.No	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2004 to March 2005				
April 2005 to March 2006				
April 2006 to March 2007				
April 2007 to March 2008				
April 2008 to March 2009				

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, Transplanter, Harvesting Machine, Diesel Pump Set etc.

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

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

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

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

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

Table – 1 E Details of technology refined

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

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	7.18	5.45	31.74				
Mustard Rabi	Varieties evaluation	10	5	8.76	6.27	39.7				

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	10	5	13.26	11.00	20.54				
Lintil (Rabi)	Varieties evaluation	10	5	8.75	6.22	28.91				
Green Gram (Summer)	Varieties evaluation	10	5	5.35	2.42	54.76				

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 Participants										Grand Total
	No. of Courses	Others			SC			ST			
		M	F	T	M	F	T	M	F	T	
Crop Production											
Weed Management	23	123	7	130	38	7	45	23	1	24	199
Resource Conservation Technologies	6	38	–	38	9	–	9	6	–	6	53
Cropping Systems	24	109	–	109	28	–	28	23	–	23	160
Crop Diversification	6	37	–	37	8	–	8	6	–	6	51
Integrated Farming	5	38	–	38	10	–	10	9	–	9	57
Micro Irrigation/Irrigation	12	72	–	72	16	–	16	12	–	12	100
Seed production	12	75	–	75	19	–	19	15	–	15	109
Nursery management	40	176	–	176	50	–	50	48	–	48	270
Integrated Crop Management	49	198	–	198	58	–	58	51	–	51	307

Soil and Water Conservation	38	145	-	145	35	-	35	32	-	32	212
Integrated Nutrient Management	35	160	-	160	45	-	45	32	-	32	237
Production of organic inputs	52	244	-	244	81	-	81	59	-	59	384
Horticulture											
a) Vegetable Crops											
Production of low value and high volume crop	11	52	-	52	13	-	13	9	-	9	74
Off-season vegetables	10	58	-	58	11	-	11	10	-	10	79
Nursery raising	28	166	-	166	44	-	44	36	-	36	246
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
b) Fruits											
Training and Pruning	3	17	-	17	5	-	5	3	-	3	25
Layout and Management of Orchards	23	133	-	133	29	-	29	25	-	25	187
Cultivation of Fruit	29	187	-	187	28	-	28	29	-	29	254
Management of young plants/orchards	34	206	-	206	43	-	43	38	-	38	287
Rejuvenation of old orchards	28	214	-	214	44	-	44	39	-	39	297
Export potential fruits											
Micro irrigation systems of orchards	16	95	-	55	18	-	18	13	-	13	152
Plant propagation techniques	26	154	-	154	31	-	31	25	-	25	210
c) Ornamental Plants											
Nursery Management	10	88	-	88	18	-	18	15	-	15	122
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants	4	20	-	20	5	-	5	4	-	4	29
d) Plantation crops											
Production and Management technology	20	143	-	143	29	-	29	22	-	22	195
Processing and value addition											
e) Tuber crops											
Production and Management technology	22	136	-	136	36	-	36	22	-	22	194
Processing and value addition											
f) Spices											
Production and Management technology	27	158	-	158	39	-	39	29	-	29	216
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management	12	77		77	16		16	14		14	107
Production and management technology	29	184	-	184	41	-	41	32	-	32	257
Post harvest technology and value addition	8	36		36	11		11	6		6	53
Soil Health and Fertility Management											
Soil fertility management	39	215	-	215	54	-	54	42	-	42	311
Integrated water management	24	199	-	199	59	-	59	45	-	45	303
Integrated nutrient management	54	199	-	199	59	-	59	45	-	45	303
Production and use of organic inputs	95	251	-	251	58	-	58	45	-	45	364
Management of Problematic soils											
Micro nutrient deficiency in crops	17	119	-	119	22	-	22	16	-	16	157
Nutrient use efficiency	14	82	-	82	19	-	19	16	-	16	117

Table – 3 C Area-wise distribution of On + Off Campus Training Courses for In-service Extension Personnel (regular + sponsored)

Thematic Area	No. of Courses	No. of Participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	M	F	T	M	F	T	
Productivity enhancement in field crops	38	191	-	191	32	-	32	31	-	31	236
Integrated Pest Management	58	263	-	263	61	-	61	44	-	44	368
Integrated Nutrient management	33	151	-	151	35	-	35	29	-	29	215
Rejuvenation of old orchards	27	140	-	140	34	-	34	26	-	26	200
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											
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	41	217	-	217	44	-	44	33	-	33	294
Gender mainstreaming through SHGs											
Any other (pl.specify)											

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	8	155	10	165	8	-	8	163	8	171
Kisan Mela	4	Many	Many	Many	10	2	12	Many	Many	Many
Kisan Ghosthi	8	178	17	195	2	-	2	180	19	199
Exhibition	2	Many	Many	Many						
Film Show										
Method Demonstrations										
Farmers Seminar										
Workshop	8	80	2		NIL	NIL		80	2	82
Group meetings										
Lectures delivered										
Newspaper coverage	13	Many	Many							
Radio coverage	16	Many	Many							
TV coverage	50	Many	Many							
Radio Programmes										
TV Programmes										
Publications										
Popular articles	4	Many	Many							
Extension Literature	200	Many	Many							
Advisory Services	24	Many	Many							

Scientific visit to farmers field	24	Many	Many							
Farmers visit to KVK	–	300	–	300	10	–	10	310	–	310
Diagnostic visits	5	Many	Many							
Field visits	10	Many	Many							
Exposure visits	2	2		2						2
Ex-trainees Sammelan										
Agriculture Camps										
Clinic day										
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)										
Total										

Table – 5 A Productions of Seeds

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (in Rs.)	Provided to No. of Farmers
I. CEREALS					
1					
2					
3					
4					
5					
6					
Total					
II. OIL SEEDS					
1					
2					
3					
4					
5					
6					
Total					
III. PULSES					
1					
2					
3					
4					
5					
6					
Total					
IV. VEGETABLES					
1					
2					
3					
4					
5					
6					
Total					

V. OTHERS					
1					
2					
3					
4					
5					
Total					

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			
	TOTAL			

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
I. FRUITS					
1					
2					
3					
4					
5					
Total					
II. VEGETABLES					
1					
2					
3					
4					
5					
Total					
III. SPICES					
1					
2					
3					
4					
5					
Total					
IV. FOREST SPECIES					
1					
2					
3					
4					
5					
Total					
V. ORNAMENTAL CROPS					
1					
2					
3					
4					
5					

Total					
VI. PLANTATION CROPS					
1					
2					
3					
4					
5					
Total					
VII. OTHERS					
1					
2					
3					
4					
5					
Total					

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			
	TOTAL			

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						
II. BIOFERTILIZERS						
1						
2						
3						
4						
III. BIO PESTICIDES						
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					
	TOTAL					

Table 5 D Livestock materials

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
I. CATTLE						
II. SHEEP AND GOAT						
III. POULTRY						
IV. FISHERIES						
V. Others (Specify)						

SUMMARY

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					
	TOTAL					

Signature of Project Coordinator

Signature of DEE