# 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		

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 30<sup>th</sup> September 2008)

SI. 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	Dr. I.N. Sharma	Programe	Entomology	12000-	-	I/C	Others
	Coordinator	I/C	Coordinator		18300			
2	Subject Matter	Brajendu Kumar	SMS (Fishery)	Fisheries	8000-	06.12.07	Permanent	Others
	Specialist				13500			
3	Subject Matter	Basanti Kumari	SMS(H.Sc.)	Home	8000-	20.11.07	Permanent	SC
	Specialist			Science	13500			
4	Subject Matter	Vacant						
	Specialist							
5	Subject Matter	Vacant						
	Specialist							
6	Subject Matter	Vacant						
	Specialist							
7	Subject Matter	Vacant						
	Specialist							
8	Programme	Vacant						
	Assistant							

9	Computer	Vacant						
	Programmer							
10	Farm Manager	R. Choudhary	Farm Manager	Extension	5000	12.07.06	Contracticual	Others
11	Accountant /	B.N. Mahto	Accountant /		3500	27.01.07	Contracticual	OBC
	Superintendent		Superintendent					
12	Stenographer	Rajeev Kumar	Stenographer		3500	20.09.07	Contracticual	OBC
13	Driver	Dharmendra Kr.	Jeep (Driver)		3500	11.04.05	Contracticual	Others
14	Driver (Tractor)	Vacant						
15	Supporting staff	Arun Kr. Mandal	Peon		2750	01.07.05	Contracticual	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 (Water logged area)	7.00

:

### 1.7. Infrastructural Development:

### A) Buildings

		Source	Stage					
S.		of	(	Complete		Incomplete		
No.	Name of building	funding	Comple tion Date	Plinth area (Sq.m)	Expen diture (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						Renovation
2.	Farmers Hostel	ICAR		42.00		Sept.06	1	Finalstage
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				Not Started	1	
8	Farm godown	ICAR				Not Started		

### **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	44,500	Good
Tractor M.F	2005	4.99			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	2007	15,000	Good
TV with DVD	2007	15,000	Good
Computer Printer	2007		Good

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

SI.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, Banana
2.	Vermiculture
3.	Paultry 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 Alluvia	
			Sandy to claye soil up land will
			low lying area Flood prone
Source	e :	- NARP	
S. No	Agro ed	cological situation	Characteristics

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

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, male, 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	Deposition of clay/sandy soil year	
	soil	after year	

#### 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

2.5. Weather data			0 -	
Month	Rainfall (mm)	Temperature <sup>0</sup> C		Relative Humidity (%)
		Maximum	Minimum	
Oct 07	48.9			
Nov 07	00.0			
Dec 07	3.7			
Jan 08	00.0			
Feb 08	10.9			
March 08	16.7			
April 08	5.7			
May 08	78.0			
June 08	404.4			
July 08	321.0			
August 08	180.0			
September 08				

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

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

Crossbred		
Indigenous		
Rabbits		
Poultry	11,20,922	
Hens	9,27,820	
Desi	6,68,332	
Improved	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 (2007-08)

SI.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 & loss due to pest & diseases	
		Hasanganj	Rampur, Hasanganj	Wheat, Paddy Vegetables	u	
		Pranpur Mansahi	Mahadeo Nagar sangali Bari Marangi	Vegetables Maize, Jute, Boro Paddy	u	

### 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 verities of oil seeds filled in – Oll seeds – Boropaddy Cropforing Sequence
5.	Lack of suitable cropping system in diara land of the district
6.	Identification and Promotion of flood tolerent rice varities for Kharif and Cold tolerant varities 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.	Thrust area	Crop/	Identified Problem	Interventions	
No		Enterprise		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 varities 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	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) Llentil – PL 406 (iii) Green gram SML – 668				
FLD on Boro Basmati			-do-	(i) Boro Basmati				

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

- Title of on-farm trials -Evaluation of Boro Rice Varities with inclusion of 1) newly released variety.
  - Problem diagnose Low yield and poor quality
- 2) Details of technologies selected for assessment/refinement- Included varieties 3)
  - (1) GS- 1 (2) IR 64 (3) Prabhat (4) Boro Basmati
- Source of technology R.A.U. Pusa Production system and thematic area 4)
- 5)
- Performance of the Technology with performance indicators -Good with quality 6)
- 7) Final recommendation for micro level situation
- 8) Constraints identified and feedback for research - Lack of availability of technology
- Process of farmers participation and their reaction Individual 9)

#### 3.1.C. Results of On Farm Trials (Boro Paddy)

Crop/ enterprise	Farmin g situatio n	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
Boro Paddy	Irrigated	Low yield and poor qualit y	Slected high yieldin g variety with good quality	6	Variety	YieldQ/h	Yield Q/h	Good	-	No	

#### \* No. of farmers

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14 Q/h	15	16
Farmer's practice - Prabhat	40 Q/h		
T <sub>1</sub> - G.C.1	44 ha	1200 /ha	
T <sub>2</sub> I.R64	46 ha	1600/ha	
T <sub>3</sub> Boro-Basmati	64 ha	2500/ha	

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

- 1) Title of on-farm trials To select a suitable green gram veriety for grain setting
- 2) Problem diagnose No pod setting
- 3) Details of technologies selected for assessment/refinement– I varieties of green gram

   (1) Local ( Jhunjhunia)
   (2) Pusa Vioshal
   (3) SML 668
   (Farmer Practice )
- 4) Source of technology R.A.U. Pusa
- 5) Production system and thematic area -
- 6) Performance of the Technology with performance indicators –Good for grain setting
- 7) Final recommendation for micro level situation -
- 8) Constraints identified and feedback for research Pre monsoon shours restrict pod setting
- 9) Process of farmers participation and their reaction Individual

#### 3.1.C.(a) Results of O.F.T. (Green gram).

Crop/ enterprise	Farmin g situatio n	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
Green gram	Irrigated	Non grain / pod setting	To select a varity for good pod setting	7	Verity	Yield Kg /ha	Yield Q/h	Good	-	No	

#### \* No. of farmers

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14 Q/h	15	16
T <sub>1</sub> - Pusa vishal	8.75 Q/h	5000	
T <sub>2</sub> - SML 668	9.20 Q/h	6200	
T <sub>3</sub> - Farmer's practice ( Jhun jhunia )	4.32 Q/h		

#### 3.1. B. Details of each On Farm Trial to be furnished in the following format <u>Parwal</u>

- 1) Title of on-farm trials Evaluation of Parwal verities in diara areas for their production
- 2) Problem diagnose Low yield of Parwal
- Details of technologies selected for assessment/refinement- varieties of Parwal (1) Rajendra Parwal -1 (2) Rajendra Parwal-2 (3) Local
- 4) Source of technology R.A.U. Pusa
- 5) Production system and thematic area -
- 6) Performance of the Technology with performance indicators –Fail due to flood

The trial failed due to flood.

- 7) Final recommendation for micro level situation –
- 8) Constraints identified and feedback for research -
- 9) Process of farmers participation and their reaction -

\*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 2007-08 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

SI No	Crop	Thematic Area	Techn Seasona and ology year		Area	Area(ha)			f Farmers ionstration		Reasons for shortfall in	
			nstrate d	nstrate	-	Prop osed	Actu al	SC	ST	Others	Total	achievement
1	Sesmum	Varietal Evaluation		Kharif-07	5 ha.	5 ha.	1	1	8	10		
2	Musterd	Varietal Evaluation		Rabi- 07-08	5 ha.	5 ha.	2	1	7	12		
3	Red gram	Varietal Evaluation		Kharif- 07	2 ha.	5 ha.	1	1	7	10		
4	Lentil	Varietal Evaluation		Rabi- 07-08	5 ha.	2 ha.	2	1	7	12		
5	Green Gram	Varietal Evaluation		Summer-08	5 ha.	5 ha.	3	1	6	12		

#### Details of farming situation

Сгор	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			ious crop	/ing date	vest date	Seasonal iinfall (mm)	of rainy days
				N	Ρ	к	Previous	Sowing	Harv	Seas rainfall	No.
Sesmum	Kharif	Irrigated									
Redgram	Kharif	Irrigated									
Greeengram	Summer	Irrigated									
Lentil	Ravi	Irrigated									

#### Performance of FLD

SI. No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo	Demo. Yield Qtl/ha			Increase in Yield		rameter in technology strated
NU		Demonstrateu		Faimers	(11a.)	Н	L	Α	Check Qtl./ha	(%)	Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Red Gram Kharif	Varietal evaluation	P-9	10	2	12.48	8.24	10.12	6.60	34.78	-	-
2.	Lintel Rabi	Varietal evaluation	PL-406	12	5	7.70	5.24	5.76	4.46	22.50	-	-
3.	Green Gram (Summ er)	Varietal evaluation	SML 668	12	5	7.25	4.31	6.20	4.12	50.48	-	-
4.	Sesam um Kharif	Varietal evaluation	Krishna	10	5	6.82	5.34	5.95	4.28	28.00	-	-
5.	Mustard Rabi	Varietal evaluation	Rajendra Anukool	12	5	9.84	7.10	7.96	6.34	20.30	-	-

NB: Attach few good action photographs with title at the back with pencil Economic Impact (continuation of previous table)

Average Cost of cult (Rs./ha)	ivation	Average Gross Retu (Rs./ha)	rn	Average Net Return (Rs./ha)	(Profit)	Benefit- Cost Ratio
Demonstration	Local Check	Demonstration	Local Check	Development		(Gross Return / Gross Cost)
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).

Сгор	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
		1. Seed/Variety				
Sesmum	Kharif-06	Krishna	Irigated	5.95	4.28	28.00
Mustard	Ravi	Rajendra Anukul	Irigated	7.96	6.34	20.30
Red gram	Kharif	P-9	Irigated	10.12	6.60	34.78
Green gram	Summer	SML-668	Irigated	6.20	4.12	50.48
Lentil	Ravi	PL- 406	Irigated	5.76	4.46	72.50

Technical Feedback on the demonstrated technologies

S. No	Сгор	Feed Back
1	Sesmum	Desire for white variety caltivation
2	Mustard	Aphid resistant variety.
3.	Redgram	short duration variety.

Farmers' reactions on specific technologies

S.	Crop	Feed Back
No		
1	Sesmum	Appreciated to the demostrated variety Krishna
2	Mustrad	Appreciated to the demonstrated variety of Rajendra Anukool
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

#### Extension and Training activities under FLD

SI.No.	Activity	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 pa in relatio technol demonst Demon.	on to logy	% change in the parameter	Remarks

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

(ii) Livestock Enterprises

	Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on pa in relation techno demonst Demon.	on to logy trated Local	% change in the parameter	Remarks
F							check		

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

(iii) Other Enterprises

10

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of	Performance parameters /	Data on para relation to teo demonsti	chnology	% change in the	Remarks
	breed/Species/others	laimeis	Units	indicators	Demon.	Local check	parameter	
Mushroom								
Apiary								
Sericulture								
Vermi compost	Button	25	25		Production	-	-	-

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

### A) ON Campus

				N	o. of Pa	rticipa	nts				
	Nia of	Others				sċ			ST		Gra
Thematic Area	No. of Courses	М	F	Т	М	F	т	М	F	Т	nd Tot al
(A) Farmers & Farm Women											
I Crop Production											
	-	00	0	00	40		10	-		<u> </u>	40
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	-			-	_				1		-
Micro irrigation systems of orchards											
Plant propagation techniques	3	18	_	18	2	_	2	3	-	3	23
Others, if any					1		1				-
c) Ornamental Plants		1			1		1			1	
Nursery Management		1			1		1			1	
Management of potted plants		1			1						
Export potential of ornamental plants									1		
Propagation techniques of Ornamental									1		
Plants											
Others, if any					1				1		

d) Diantation arona	· · · · · ·	T	r – –		<u> </u>				r		
d) Plantation crops	<u> </u>										
Production and Management technology											
Processing and value addition											
Others, if any	ļ										
e) Tuber crops	<u> </u>	4.0		4.0			_				
Production and Management technology	5	19	-	19	5	-	5	1	-	1	25
Processing and value addition	ļ										
Others, if any											
f) Spices											
Production and Management technology	4	17	-	17	4	_	4	3	-	3	24
Processing and value addition	1										
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	1										
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	9 4	_	4	3	_	3	25
Integrated Nutrient Management	6	36		36	4	_	4	8	_	3 8	25 54
0			-					-		-	
Production and use of organic inputs	7	38	-	38	7	_	7	5	-	5	50
Management of Problematic soils	3	20	-	20	3	—	3	1	-	1	24
Micro nutrient deficiency in crops	3	17	-	17	5	-	5	3	-	3	25
Nutrient Use Efficiency	ļ										
Soil and Water Testing											
Others, if any	l										
IV Livestock Production and	1										
Management	1										
Wallagement	<u> </u>										
Dairy Management	1										
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management	ĺ										
Feed management											
Production of quality animal products											
Others, if any											
V Home Science/Women empowerment					-						
V nome ocience/women empowerment											
Household food security by kitchen	1										
gardening and nutrition gardening	1										
Design and development of low/minimum											
cost diet	1										
Designing and development for high											
nutrient efficiency diet	1										
Minimization of nutrient loss in processing	1	1 -	10	10	-	8	8	1	2	2	20
Gender mainstreaming through SHGs	-					-	-		<u> </u>		
Storage loss minimization techniques	1		15	15	1	6	6	1	4	4	25
Value addition	1		10	10	<u> </u>	5	5	<u> </u>	2	2	17
Income generation activities for			10	10		5	5	<u> </u>	-	~	17
empowerment of rural Women	1										
Location specific drudgery reduction	┟─────	+			<u> </u>			<u> </u>			
	1										
technologies	<u> </u>							-			
Rural Crafts	<b> </b>								<u> </u>	ļ	
Women and child care	l								<b> </b>		
Others, if any	<b> </b>								<u> </u>		
VI Agril. Engineering	l										
Installation and maintenance of micro		1			<u> </u>				<u> </u>		
irrigation systems	l										
Use of Plastics in farming practices	<u> </u>				-				<u> </u>		
Production of small tools and implements	┟─────				<u> </u>				<u> </u>		
					1	1	1	1	1		

			_	-							
Repair and maintenance of farm											
machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others, if any											
VII Plant Protection											
Integrated Pest Management	30	112	_	112	24	_	24	10	_	10	146
	30	112	_	112	24	-	24	10	-	10	140
Integrated Disease Management	25	108	-	108	25	-	25	15	-	15	148
Bio-control of pests and diseases	10	62	-	62	18	-	16	10	—	13	62
Production of bio control agents and bio											
pesticides											
Others, if any											
VIII Fisheries											
Integrated fish farming	6	110	_	110	21	_	26	165	_	12	110
Carp breeding and hatchery management	0	110	_	110	21	_	20	105	_	12	110
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of		-									
freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery		1	1								
Pen culture of fish and prawn											
Shrimp farming		1									
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others, if any											
IX Production of Inputs at site											
IX Froduction of inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	7	38	-	38	8	-	8	7	-	7	53
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax											
sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Others, if any											
X Capacity Building and Group											
Dynamics											
Leadership development											
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		1									
Nursery management		+	+		+			1	<u> </u>		
		+	-		+			1	<u> </u>		
Integrated Farming Systems											
XII Others (PI. Specify)											
TOTAL											
(B) RURAL YOUTH	7	36	-	36	8	-	8	6	—	6	50
	7	36	_	36	8	-	8	6	-	6	50

late much of the much of			1		r		1	1			
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermi-culture	5	37	-	37	6	-	6	5	-	5	48
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture											
crops											
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery			1		İ		İ	İ			
Rabbit farming					1						
Poultry production		1	1								
Ornamental fisheries											
Para vets											
Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming					-						
Pearl culture					1						
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	10	05		05	10		4.0	_		_	50
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					ļ		ļ	ļ			
Capacity building for ICT application					ļ		ļ	ļ			
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 (PI. Specify)											
TOTAL	245	1365	38	1403	333	20	354	228	9	236	1927

## (b) **OFF** Campus

				٨	No. of F	articipa	ants				
Thematic Area	No. of Courses	Others				SC			ST		Grand
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	Total
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	6	35	5	40	10	-	10	8	-	8	58
Resource Conservation Technologies	3	18	-	18	6	-	6	4	-	4	28
Cropping Systems	3	17	-	17	7	-	7	5	-	5	29
Crop Diversification	3	19	-	19	4	-	4	3	-	3	26
Integrated Farming	2	38	-	38	10	-	10	9	-	9	57
Water management	7	36	-	36	8	-	8	6	-	6	50
Seed production	6	40	-	40	12	-	12	9	-	9	61
Nursery management	5	31	-	31	9	-	9	9	-	9	49
Integrated Crop Management	6	32	-	32	10	-	10	8	-	8	60
Fodder production	5	34	-	34	9	-	9	7	-	7	50
Production of organic inputs	7	39		39	11	-	11	8	-	8	58
Others, if any											
II Horticulture											
a) Vegetable Crops	1		1		1	1	1	1	1	1	
Production of low volume and high	o	38		38	7	-	7	5		E	50
value crops	8	38	-	აბ		-	7	5	-	5	50
Off-season vegetables	7	40	-	40	8	-	8	8	-	8	56
Nursery raising	3	18	-	18	9	-	9	7	-	7	34
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses,	5	40	-	40	7	-	7	5	-	5	52
Shade Net etc.)	<u> </u>	10		10				Ŭ		0	02
Others, if any											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	3	20	-	20	6	-	6	4	-	4	30
Cultivation of Fruit	7	40 39	-	40	8	-	8	6	-	6	54
Management of young plants/orchards	6 3	40	-	39 40	12	-	12	4 8	-	4 8	50 60
Rejuvenation of old orchards Export potential fruits	3	40	-	40	12	-	12	0	-	0	00
Micro irrigation systems of orchards	3	17	-	17	4	-	4	3	-	3	24
Plant propagation techniques	5	38	-	38	12	-	12	8	-	8	58
Others, if any	U				12		12	0		0	
c) Ornamental Plants											
Nursery Management	3	40	-	40	10	-	10	8	-	8	58
Management of potted plants								-		-	
Export potential of ornamental plants											
Propagation techniques of Ornamental											
Plants											
Others, if any											
d) Plantation crops											
Production and Management	5	39	-	39	11	-	11	9	-	9	59
technology	<u> </u>	00		00				Ŭ		0	
Processing and value addition											
Others, if any											
e) Tuber crops		-									
Production and Management	6	38	-	38	14	-	14	8	-	8	60
technology Processing and value addition	+	+	1								
Others, if any	+	+			+						+
f) Spices	+										+
Production and Management											
technology	8	58	-	58	19	-	19	15	-	15	92
Processing and value addition	1										<u> </u>
Others, if any	1										1
	1		I	l	I	I	I	I	I	I	L

g) Medicinal and Aromatic Plants											
	7	39	-	39	10	-	10	9	-	9	58
Nursery management Production and management			+ -			-	-		-		
technology	10	60	-	60	17	-	17	14	-	14	91
Post harvest technology and value	+	+									
addition	3	18	-	18	6	-	6	4	-	4	28
Others, if any											
III Soil Health and Fertility											
Management	6	20		20	40		40	0		0	50
Soil fertility management	6	38	-	38	12	-	12	9	-	9	59
Soil and Water Conservation	3	19	-	19	7	-	7	4	-	4	30
Integrated Nutrient Management	7	40	-	40	10	-	10	7	-	7	57
Production and use of organic inputs	6	35	-	35	9	-	9	7	-	7	51
Management of Problematic soils		-			_						
Micro nutrient deficiency in crops	3	18	-	18	5	-	5	4	-	4	27
Nutrient Use Efficiency	3	17	-	17	5	-	5	5	-	5	27
Soil and Water Testing											
Others, if any											
IV Livestock Production and											
Management											
Dairy Management	ł	1	1		1						
Poultry Management											
Piggery Management											
Rabbit Management	1		1								
Disease Management	1		1								
Feed management											
Production of quality animal products											
Others, if any											
V Home Science/Women											
empowerment											
Household food security by kitchen	1		15	15		6	c		4	4	25
gardening and nutrition gardening		-	15	15	-	6	6	-	4	4	25
Design and development of											
low/minimum cost diet											
Designing and development for high											
nutrient efficiency diet											
Minimization of nutrient loss in											
processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	2	_	21	21	_	12	12	_	3	3	36
Value addition	2	1	25	25	1	10	10		5	5	40
Income generation activities for	† –										
empowerment of rural Women											
Location specific drudgery reduction	1										
technologies											
Rural Crafts	1										
Women and child care	1		18	18	1	5	5		4	4	27
Others, if any	<u> </u>	1		10	1	5		-	- T	F	<u> </u>
VI Agril. Engineering					1						
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			<u> </u>								
Small scale processing and value											
addition		+			<u> </u>						
Post Harvest Technology											
Others, if any	+										
VII Plant Protection											
Integrated Pest Management											

Integrated Disease Management	21	75	1	75	20	r	20	10		10	108
Integrated Disease Management Bio-control of pests and diseases	21	75 78	-	75 78	15	-	20 15	13 8	_	13 8	98
Production of bio control agents and	20	10	+	10	10	-	10	0	-	0	30
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		-	1								
Edible oyster farming	1	+	<u> </u>								<u> </u>
Pearl culture	<u> </u>	+	1	-							
Fish processing and value addition		+	<u> </u>			<u> </u>	<u> </u>				<u> </u>
Others, if any		-			1						
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	l			<u> </u>							
Mobilization of social capital						<u> </u>	<u> </u>				
Entrepreneurial development of											
farmers/youths WTO and IPR issues		+									
Others, if any		+									
XI Agro-forestry	<u> </u>	+									
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (PI. Specify)											
TOTAL											
(B) RURAL YOUTH		<u> </u>	-	4-							
Mushroom Production	6	34	8	42	10	-	10	8	-	8	60
Bee-keeping	5	38	-	38	11	-	11	7	-	7	56
Integrated farming		40		40	4.4	<u> </u>	4.4			-7	04
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				00	-		-	2		0	
Vermi-culture	3	20	-	20	7	-	7	3	-	3	30

Sericulture											
		+	ł	-	1		<u> </u>		-		
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture											
		40	-	40	10	-	10	9	_	9	59
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		+			ł						
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	47	70		70	40		4.0			4.4	440
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		+	<b> </b>		+		<b> </b>				
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care		+	<b> </b>		-						
Low cost and nutrient efficient diet											
designing		45		45	-		-				
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 (PI. Specify)		1.0		0.000							
TOTAL	326	1940	92	2032	520	33	553	377	16	393	2985

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

				Ν	lo. of P	articipa	ants				
Thematic Area	No. of	Others				SC			ST		Grand
	Courses	M	F	Т	М	F	Т	М	F	Т	Total
(A) Farmers & Farm Women		IVI	Г	1	IVI	Г	1	IVI	Г	I	
I Crop Production											
Weed Management	11	65	7	72	20	_	20	13	1	14	106
Resource Conservation Technologies	6	38	_	38	9	—	9	6	_	6	53
Cropping Systems	6	34	_	34	12	_	12	8	-	8	54
Crop Diversification	6	37	_	37	8	—	8	6	_	6	51
Integrated Farming	5	38	_	38	10	-	10	9	-	9	57
Water management	12	72	_	72	16	-	16	12	-	12	100
Seed production	12	75	_	75	19	-	19	15	-	15	109
Nursery management	10	56	_	56	20	—	20	23	-	23	95
Integrated Crop Management	14	60	_	60	20	—	20	23	-	23	103
Fodder production	5	34	—	34	9	—	9	7	-	7	50
Production of organic inputs	13	74	—	74	26	—	26	16	-	16	116
Others, if any											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high	11	52	_	52	13	_	13	9	_	9	74
value crops			_	_	-	_	-	-	_	_	
Off-season vegetables	10	58	-	58	11	-	11	10	-	10	79
Nursery raising	8	48	_	48	20	-	20	16	-	16	84
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses,											
Shade Net etc.)											
Others, if any											
b) Fruits		47	1	4-	-	1	-		1		0.5
Training and Pruning	3	17	_	17	5	-	5	3	-	3	25
Layout and Management of Orchards Cultivation of Fruit	10	60	-	60	16	—	16	14	-	14	90
	13	78	-	78	20	-	20	14	-	14	112
Management of young plants/orchards	11 9	74 78	_	74 78	16 20	-	16 20	15 19	-	15 19	105 117
Rejuvenation of old orchards	9	78	-	78	20	-	20	19	-	19	117
Export potential fruits Micro irrigation systems of orchards	2	17	-	17	4	-	4	3	-	2	24
Plant propagation techniques	3	17 56	-	56	4	-	4	3 11	-	3 11	24 81
Others, if any	0	50	-	50	14	-	14		-	11	01
c) Ornamental Plants											
Nursery Management	3	40	-	40	10	-	10	8	-	8	58
Management of potted plants	0	10		10	10		10	Ŭ		0	
Export potential of ornamental plants											
Propagation techniques of Ornamental											
Plants											
Others, if any					1		l	1	1		
d) Plantation crops	-			•	•			•	•		-
Production and Management	5	39		39	11		11	9		9	59
technology	Э	28	-	- 29	11	-	11	э	-	ษ	59
Processing and value addition											
Others, if any											
e) Tuber crops	1	1		1	1			1	1		
Production and Management	11	57	-	57	19	-	19	9	-	9	85
technology				0,				Ľ		Ŭ	
Processing and value addition	ļ										
Others, if any											
f) Spices	1	r			1			1	1	1	
Production and Management	17	75	-	75	23	-	23	18	-	18	116
technology Processing and value addition											
Processing and value addition					1		1	1	I		

					1	1	1				
Others, if any											
g) Medicinal and Aromatic Plants	10		1		10		40				407
Nursery management	12	77	-	77	16	-	16	14	-	14	107
Production and management technology	12	96	-	96	24	-	24	19	-	19	139
Post harvest technology and value addition	8	36	-	36	11	-	11	6	-	6	53
Others, if any											
III Soil Health and Fertility Manageme	nt	•			•						
Soil fertility management	11	77	-	77	21	-	21	16	-	16	130
Soil and Water Conservation	6	37	-	37	11	-	11	7	-	11	55
Integrated Nutrient Management	13	76	-	76	20	-	20	15	-	15	101
Production and use of organic inputs	13	73	-	73	16	-	16	12	-	12	101
Management of Problematic soils											
Micro nutrient deficiency in crops	6	38	-	38	8	-	8	5	-	5	51
Nutrient Use Efficiency	6	34	-	34	10	-	10	8	-	8	52
Soil and Water Testing											
Others, if any											
IV Livestock Production and Manager	nent										
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
Others, if any											
V Home Science/Women empowerme	nt										
Household food security by kitchen gardening and nutrition gardening	1	_	15	15	-	6	6	_	4	4	25
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in	1	_	10	10	_	8	8	_	2	2	20
processing Gender mainstreaming through SHGs											
Storage loss minimization techniques	3	_	36	36	_	18	18	_	7	7	61
Value addition	1	_	10	10	_	5	5	_	2	2	17
Income generation activities for	0		05	05							40
empowerment of rural Women	2	-	25	25	-	10	10	_	5	5	40
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	1	_	18	18	_	5	5	_	4	4	27
Others, if any	1		10	10	_	5	5		-	-	21
VI Agril. Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices	1										
Production of small tools and											
implements											
Repair and maintenance of farm											
machinery and implements Small scale processing and value											
addition											
Post Harvest Technology											
Others, if any											
VII Plant Protection											
Integrated Pest Management	51	112	-	112	44	-	44	23	-	23	179
Integrated Disease Management	50	108	-	108	40	-	40	23	-	23	171
Bio-control of pests and diseases						1					

Production of bio control agents and bio pesticides											
Others, if any											
VIII Fisheries											
Integrated fish farming	4	50	-	50	6	_	6	4	_	4	60
Carp breeding and hatchery											
management											
Carp fry and fingerling rearing	2	50	-	50	6	_	6	4	—	4	60
Composite fish culture	3	79	-	79	12	-	12	4	_	4	95
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	13	78	-	78	19	-	19	15	-	15	112
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 Dynam	nics		T				1				
Leadership development											
Group dynamics											
Formation and Management of SHGs			1								
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others, if any											
XI Agro-forestry		I	1		1		1		1	1 1	
Production technologies			1								
Nursery management					-						
Integrated Farming Systems											
XII Others (PI. Specify)					1		1			<u>ı 1</u>	
TOTAL											
(B) RURAL YOUTH											
Mushroom Production	13	75	8	83	18	-	18	14	-	14	115
Bee-keeping	5	38	-	38	11	-	11	8	-	8	57
Integrated farming	7	40	-	40	14	-	14	7	-	7	61 58
Seed production Production of organic inputs	6	39	-	39	10	-	10	9	-	9	58
Integrated Farming			<u> </u>								
Planting material production											
Vermi-culture	8	57	-	57	13	-	13	8	-	8	78
Sericulture		5,					.0				
Protected cultivation of vegetable											
crops											

Commercial fruit production	[		1								
Commercial fruit production	<u> </u>										
Repair and maintenance of farm	l										
machinery and implements											
Nursery Management of Horticulture	3	20	-	20	7	-	7	3	-	3	30
crops		-		-				_		-	
Training and pruning of orchards											
Value addition	ļ										
Production of quality animal products	ļ										
Dairying	ļ										
Sheep and goat rearing											
Quail farming	l										
Piggery											
Rabbit farming	<u>                                     </u>										
Poultry production	1										
Ornamental fisheries											
Para vets											
Para extension workers											
Composite fish culture											
Freshwater prawn culture								İ	İ		
Shrimp farming	ĺ										
Pearl culture		1	1	1	1			1	1	1	
Cold water fisheries											
Fish harvest and processing											
technology	l										
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	Ŭ	00		00	10		10	Ŭ		0	
Formation and Management of SHGs											
Group Dynamics and farmers											
organization	l										
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm		1	<u> </u>		1						
machinery and implements											
WTO and IPR issues			1		1						
Management in farm animals			<u> </u>		1						
Livestock feed and fodder production		1			1						
Household food security											
Women and Child care			-		1						
Low cost and nutrient efficient diet	<u> </u>	+	<u> </u>								
designing	1										
	15	97		97	20		20	14		14	101
Production and use of organic inputs	CI	97		97	20	-	20	14	-	14	131
Gender mainstreaming through SHGs											
Any other (Pl. Specify) TOTAL	570	2070	120	2207	010	50	070	507	25	626	4673
IUIAL	570	3078	129	3207	818	52	870	597	25	626	40/3

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

Date	Cliente le	Title of the training programme	Dura tion	Venue (Off / On		mbe ticip		Nu	imbe SC	r of		umb of S		Tot al
	IC	programme	in days	Ċampus)	M			м	<u> </u>	Т	M		Т	ai
	e.	Improved technology in wheat production	2	ON	22	-	22	4	-	4	3	-	3	22
	Practicing Farmers & farmer	Recent technology for wheat cultivation, water weed and nutrient management	3	OFF	25		25	5		5	4		4	25
	cing Farn	Water & weed management in rabi maize	2	OFF	30		30	5		5	5		5	30
	Practio	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 vegatables	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	Cliente le	Title of the training programme	Dura tion in	Venue (Off / On		mbe ticip		Nu	mbe SC	r of		umb of S <sup>-</sup>		Tot al
			days	Campus)	M	F	Т	Μ	F	Т	Μ	F	Т	
		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	Cliente le	Title of the training programme	Dura tion in	Venue (Off / On		mbe ticip		Nu	imbe SC	r of		umk of S		Tot al
			days	Campus)	Ň	F	Т	Μ	F	Т	Μ	F	Τ	
		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	Cliente le	Title of the training programme	Durati on in days	Venue (Off / On		mbe ticip		Nu	imbe SC	r of		umb of S		Total
			uuyo	Campus)	Ň	F	Т	Μ	F	Т	Μ	F	Т	
		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
	Extensi on	Improve cultivation of Rabi crop	2	ON	25		25	3		3	2		2	25
	functio naries	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 vagetable	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 orchasd	1	ON	25		25	3		3	2		2	25

### (D) Vocational training programmes for Rural Youth

Crop / Enterprise	ldentified Thrust Area	Training title*	Duration (days)	No.	of Particip	ants	Self e	mployed aft	er training	Number of persons employed else where
	Area			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 orgamic fertilizers and pestrcides	Six days	25	-	25	Vermi comp ost	10	20	

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

### (E) Sponsored Training Programmes

SIN				(;	Client	No	of Particip	oants	Sponsoring
0.	Title	The Matic area	Month	Duration (days)	PF/ RY/ EF	Male	Female	Total	Agency
1	Fish seed production & pond management	<ol> <li>Integrated Fish Farming</li> <li>Carp fry and fingerling rearing</li> <li>Composite Fish Culture</li> </ol>	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, Mutrient & Intercropping	Мау	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

Nature of Extension	No. of		Farmers		Exte	ension Offi	cials		Total	
Activity	activities	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	30									
farmers field										
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										

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

#### **3.5 Production and supply of Technological products** A.SEED MATERIALS PRODUCED AT KVK FARM

SI. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
51. NO.				Value (IS.)	rionaed to No. or ranners
CEREALS	Paddy	Kishory	8		30
		Sakuntala	8		28
		Prabhat	2		8
		Boro Basmati	1.5		4
OILSEEDS	Sesmum	Krishna	2		5

PULSES	Green Gram	Pusa Vishal	1	25
		SML 668	1	20
VEGETABLES	Okra –	Arka Anamika -	0.5	
FLOWER CROPS				
FLOWER CROPS				
FLOWER CROPS				

SUMMARY								
SI. No.	Сгор	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

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

#### PLANTING MATERIALS

Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
·	·			
	·			
	Crop	Crop Variety	Crop Variety Quantity (Nos.)	Crop Variety Quantity (Nos.) Value (Rs.)

#### SUMMARY

SI. No.	Сгор	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**

SI. No.	Product Name	Species	Qua	antity	Value (Rs.)	Provided
			No	(kg)		to No. of Farmers
BIOAGENTS						
1						
2						
3						
4						

BIOFERTILIZERS			
1			
2			
3			
4			
BIO PESTICIDES			
1			
2			
3			
4			

	SUMMARY						
			Qua	antity		Provided t	
SI. No.	Product Name	Species	No	(kg)	Value (Rs.)	No. of Farmers	
1	BIOAGENTS						
2	BIO FERTILIZERS						
3	<b>BIO PESTICIDE</b>						
	TOTAL						

### LIVESTOCK

SI. No.	Туре	Type Breed	Qua	ntity	Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
SHEEP AND GOAT						
POULTRY						
FISHERIES						
Others (Specify)						

	Quantity					
SI. No.	Туре	Breed	Nos	Kgs	Value (Rs.)	Provided to No. of Farmers
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					

### 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

ltem	Title	Authors name	Number
Research papers			
Technical reports			
News letters			
Technical bulletins			
Popular articles	1. केला में समेकित कीट	डॉ० आई एन० शर्मा	केला सेमिनार
	व्याधि प्रबंधन		
	2. समेकित कीट प्रबंधन सूत्र	डॉ० आई एन० शर्मा	केला सेमिनार
Extension literature	1. मिश्रित मत्स्यपालन	ब्रजेन्दु कुमार	1000
	2. नर्सरी तालाबों में जीरा	ब्रजेन्दु कुमार	1000
	पालन		
	3. बाढ़ग्रस्त क्षेत्रों में जीरा	ब्रजेन्दु कुमार	1000
	पालन का महत्व		
	4. महाझींगा पालन	ब्रजेन्दु कुमार	1000
	5. मखाना सह मत्स्यपालन	ब्रजेन्दु कुमार	1000
	<ol> <li>नए तालाबों का निर्माण</li> </ol>	ब्रजेन्दु कुमार	1000
	एवं पुराने तालाबों का		
	जीर्णेद्धार		
	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

- **Details of personnel development** (D)
- 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	

#### Indicate the specific training need analysis tools/methodology followed for 3.10

- 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 \_
- No. of survey/PRA conducted iii.

#### 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

	SI. No	Name of the Equipment	Qty.	Cost			
	1						
	2						
	3						
	Total						
3.	Details of samples analyzed so far :						

÷

2

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	No. of	% of adoption	Change in income (Rs.)	
technology/skill transferred	participants		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	

#### 5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Remarks
1.	Training Programme	Imparting Training	1. Training based on trust area
2.	Formation of SHG		Formation based on Specific Enterprises

#### 5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	Officers and Farmers Training Programme	Imparting Training	Lack of SMS horti culture
2	Training of Vermi Compost	Imparting Training	
3.	Training on IPM	Imparting Training	

#### 5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
	10 days farmers training organised by NGO JEEVIKA	Sponsoring agency	

### 6. PERFORMANCE OF INFRASTRUCTURE IN KVK

### 6.1 Performance of demonstration units (other than instructional farm)

SI. Demo Year of			Details of production			Amount (Rs.)			
No.	Unit	estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks

#### 6.2 Performance of instructional farm (Crops) including seed production

Nam e Of the crop	Date of sowing	Date of		wing Date of		on	Amount (Rs.)		Demerius
		harvest	~ ~ ~	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Planta	ation crops					1	 	 	
Floriculture									
Fruits									
Vegetables									
Others (specify	 ')								

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

SI.	Name of the	0	Amou			
No.	Product	Qty	Cost of inputs	Gross income	Remarks	

#### 6.4 Performance of instructional farm (livestock and fisheries production)

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

#### 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 2006			
November 2006			
December 2006			
January 2007			
February 2007			
March 2007			
April 2007			
May 2007			
June 2007			
July 2007			
August 2007			
September 2007			

(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,	10501342703
		katihar	

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

ltem	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2007
nem	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	Onspent balance as on 1 April 200
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

#### 7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs)
	Released	by ICAR	Exper	Unspent	
Item	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	balance as on 1 <sup>st</sup> April 2007
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

	Release	d by ICAR	Exper	nditure	Unspent
ltem	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	balance as on 1 <sup>st</sup> April 2007
Inputs					
Extension activities					
TA/DA/POL etc.					
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. Re	curring Contingencies		•	
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies		1	
Α	Stationery, telephone, postage and other expenditure			
	on office running, publication of Newsletter and			
	library maintenance (Purchase of News Paper &			
D	Magazines) POL, repair of vehicles, tractor and equipments			
B C				
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 H	Training of extension functionaries Maintenance of buildings			
<u>п</u> І	Establishment of Soil, Plant & Water Testing			
1	Laboratory			
J	Library			
	TOTAL (A)			
B. No	n-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. RE	VOLVING FUND			
	GRAND TOTAL (A+B+C)			
			l	

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
April 2004 to				
March 2005				
April 2005 to				
March 2006				
April 2006 to				
March 2007				

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

# 8.0 <u>Please include information which has not been reflected above (write in detail).</u>

#### 8.1 Constraints

a. Administrative :- i.

- 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, threasher, Transplantor, Harvesting Machine, Diesel Pump Set etc.

## SUMMARY TABLES

#### 1 Details of Technology assessment and refinement

#### Table 1A: Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal	Paddy	Sesm	Green							
Evaluation		um	gram							
Seed / Plant			0							
production										
Weed										
Management										
Integrated										
Crop										
Management										
Integrated										
Nutrient										
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm										
machineries										
Value addition										
Integrated										
Pest										
Management										
Integrated										
Disease										
Management										
Resource										
conservation										
technology										
Small Scale										
income										
generating										
enterprises										
TOTAL										

Table 1 B; Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										

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

#### 2. Details of Frontline Demonstrations

Сгор	Technology Demonstrate d	No. of Farm ers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on pa relation to t demon Demo	echnology	Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
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 A Front Line Demonstrations on Oilseed Crops

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

Сгор	Technology Demonstrat ed	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit)	Benefit-Cost Ratio (Gross Return /
						()	Demo	Local	(Rs./ha)	Gross Cost)
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 pa relation to t demon Demo	echnology	Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)

#### 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 parame relatio techno demons Demon.	eter in on to ology	% change in the parameter	Remarks

#### 3. Details of training programmes conducted:

## Table – 3 AArea-wise distribution of On + Off Campus Training Courses for Farmers and FarmWomen (Regular + Sponsored )

				N	o. of P	artici	pants				
Thematic Area	No. of Courses		Others		SC			ST			Grand Total
		Μ	F	Т	Μ	F	Т	М	F	Т	Total
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	11	52	_	52	13	_	13	9	_	9	74
high volume crop		_		_	-		-	-		-	
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	34	206	-	206	43	-	43	38	-	38	287
plants/orchards									-		
Rejuvenation of old orchards	28	214	-	214	44	-	44	39	-	39	297
Export potential fruits											
Micro irrigation systems of	16	95	-	55	18	-	18	13	-	13	152
orchards								-		-	_
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	10	00	-	00	10	-	10	15	-	15	122
Export potential of ornamental											
plants											
Propagation techniques of					_		-				
Ornamental Plants	4	20	-	20	5	-	5	4	-	4	29
d) Plantation crops											
Production and Management	20	143	-	143	29	-	29	22		22	195
technology	20	143	-	143	29	-	29	22	-	22	195
Processing and value addition											
e) Tuber crops											
Production and Management	22	136	-	136	36	-	36	22	-	22	194
technology											
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	29	184	-	184	41	-	41	32		32	257
technology	29	104	-	104	41	-	41	52	-	32	201
Post harvest technology and	8	36		36	11		11	6		6	53
value addition	0									<b>.</b>	
Soil Health and Fertility											
Management Soil fertility management	39	215	-	215	54	-	54	42	-	42	311
Integrated water management	<u> </u>	199	-	199	54 59	-	54 59	42 45	-	42	303
Integrated nutrient			-			-					
management	54	199	-	199	59	-	59	45	-	45	303
Production and use of organic	05	054		054	<b>F</b> 0		<b>F</b> 0	45	-	45	00.4
inputs	95	251	-	251	58	-	58	45	-	45	364
Management of Problematic				T							
soils											
Micro nutrient deficiency in	17	119	-	119	22	-	22	16	-	16	157
crops											
Nutrient use efficiency	14	82	-	82	19	-	19	16	-	16	117

Delenged use of fortilizero						r				ł	
Balanced use of fertilizers											
Soil and water testing Livestock Production and		-			-						
Management											
Dairy Management											
Poultry Management		_									
Piggery Management				-							
Rabbit Management											
Animal Disease Management											
Feed and Fodder technology											
Production of quality animal											
products											
Home Science/Women											
empowerment											
Household food security by											
kitchen gardening and											
nutrition gardening											
Design and development of											
low/minimum cost diet											
Designing and development		T									
for high nutrient efficiency diet											
Minimization of nutrient loss											
in processing						L					
Processing and cooking											
Gender mainstreaming											
through SHGs											
Storage loss minimization											
techniques											
Value addition											
Women empowerment											
Location specific drudgery											
reduction											
Rural Crafts											
Women and child care											
Agril. Engineering											
Farm machinery and its				-							
maintenance											
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											
					r		F	4		4	27
Post Harvest Technology	5	28	-	28	5	-	5	4	-	4	37
Plant Protection				00.4	400		400	74		74	A 7 7
Integrated Pest Management	99	294	-	294	109	-	109	74	-	74	477
Integrated Disease	90	321	-	321	92	-	92	61	-	61	480
Management						<u> </u>				<u> </u>	
Bio-control of pests and											
diseases		+				<u> </u>					
Production of bio control											
agents and bio pesticides		+									
Fisheries											
Integrated fish farming											
Carp breeding and hatchery											
management											
Carp fry and fingerling rearing	4	67		67	9		9	4		4	80
Composite fish culture	6	111		111	16		16	8		8	135
Hatchery management and											
culture of freshwater prawn	1				1	1				1	1

Breeding and culture of				1	r						I
ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture		_									
Fish processing and value											
addition											
Production of Inputs at site											
Seed Production	20	129	-	129	24	-	24	18	-	18	171
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	38	226	-	226	147	-	147	40	-	40	513
Organic manures production	31	198	-	198	46	-	46	38	-	38	280
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											
Capacity Building and											
Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management											
of SHGs											
Mobilization of social capital											
Entrepreneurial development											
of farmers/youths											
Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (Pl. specify)											
TOTAL											
		1 1		1		I		1	1		LI

# Table – 3 BArea-wise distribution of On + Off Campus Training Courses for Rural<br/>Youth (regular + sponsored)

					No.	of Pa	articipa	nts			
Thematic Area	No. of	-	Others								Grand
	Courses	Male	Female	Total		SC			ST		Total
					М	F	Т	М	F	Т	
Mushroom Production	25	161	-	161	32	-	32	27	-	27	220
Bee-keeping	15	103	-	103	34	-	34	25	-	25	162
Integrated farming	7	40	_	40	14	_	14	7	-	7	61
Seed production	21	147	-	147	27	-	27	21	-	21	195
Production of organic inputs	10	75	-	75	20	-	20	18	-	18	113
Integrated Farming											
Planting material production											
Vermi-culture	24	135	-	135	33	-	33	24	-	24	202
Sericulture											
Protected cultivation of vegetable											
crops											
Commercial fruit production	18	92	-	92	27	-	27	22	-	22	141
Repair and maintenance of farm											
machinery and implements											
Nursery Management of	24	122	-	122	35		35	24	-	24	181
Horticulture crops			-			-			-		
Training and pruning of orchards	18	98	-	98	25	-	25	20	-	20	143
Value addition											
Production of quality animal											
products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
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											

# Table – 3 CArea-wise distribution of On + Off Campus Training Courses for In-service ExtensionPersonnel (regular + sponsored)

					No.	of Pa	articipa	nts			
Thematic Area	No. of		Others								Grand
Themalic Area	Courses	Male	Femal e	Total		SC	;		ST		Total
					Μ	F	Т	Μ	F	Т	
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			Exte	ension Offi	cials	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	24	Many	Many							
field										
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

SI. 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. VEGETABLE	S				
1					
2					
3					
4					
5					
6					
Total					

V. OTHERS		
1		
2		
3		
4		
5		
Total		

#### **SUMMARY**

SI. No.	Сгор	Quantity (qtl.)	Value ( in Rs.)	Provided to No. of Farmers
1	CEREALS			
II	OIL SEEDS			
III	PULSES			
IV	VEGETABLES			
V	OTHERS			
	TOTAL			

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

SI. No.	Crop	Variety	Quantity (Nos.)	Value ( in Rs.)	Provided to No. of Farmers
I. FRUITS		L			
1					
2					
3					
4					
5					
Total					
II. VEGETABLES	5				
1					
2					
3					
4					
5					
Total					
III. SPICES					
1					
2					
3					
4					
5					
Total					
IV. FOREST SPI	ECIES				
1					
2					
3					
4					
5					
Total					
V. ORNAMENTA	L 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

SI. No.	Сгор	Quantity (Nos.)	Value ( in Rs.)	Provided to No. of Farmers
I	FRUITS			
II	VEGETABLES			
	SPICES			
IV	FOREST SPECIES			
V	ORNAMENTAL CROPS			
VI	PLANTATION CROPS			
VII	OTHERS			
	TOTAL			

## Table –5 C Production of bio products

	Product Name	Species	Qua	antity	– Value (Rs.)	Provided to No. of Farmers
SI. No.			No	(kg)		
I. BIOAGENTS						
1						
2						
3						
4						
II. BIOFERTILIZERS						
1						
2						
3						
4						
III. BIO PESTICIDES						
1						
2						
3						
4						
5						

#### SUMMARY

		Species	Qua	ntity		Provided
SI. No.	Product Name		No	(kg)	Value (Rs.)	to No. of Farmers
I	BIOAGENTS					
II	BIO FERTILIZERS					
III	BIO PESTICIDE					
	TOTAL					

 Table 5 D
 Livestock materials

	Туре	Breed	Qua	ntity	Value	Provided to No. of
SI. No.			(Nos	Kgs	(Rs.)	Farmers
I. Cattle						
II. SHEEP AND GOAT						
III. POULTRY						
IV. FISHERIES						
V. Others (Specify)						

	SUMMARY							
SI. No.	Туре	Breed	Qua Nos	ntity Kgs	Value (Rs.)	Provided to No. of Farmers		
I	CATTLE							
II	SHEEP & GOAT							
III	POULTRY							
IV	FISHERIES							
V	OTHERS							
	TOTAL							

## Signature of Project Coordinator