# 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		E mail		
	0	ffice	FAX	
Rajendra Agricultural University, Pusa,	(06274)	- 240266	(06274) 240255	
Samastipur, Bihar Pin – 848125				

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		
Q		of	of Complete			Incomplete		
No.	Name of building	funding	Comple	Plinth	Expen		Plinth	Status of
INO.			tion	area	diture	Starting Date	area	construction
			Date	(Sq.m)	(Rs.)		(Sq.m)	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 Alluvial Plan	e)	High Temperature High Humidity		
				Sandy to claye soil up land will		
				low lying area Flood prone		
Sourc	e :	- NARP				
S. No	Agro e	gro ecological situation Chai		aracteristics		
1	Up lan	d sandy soil humid condition	Good	d for maize wheat Banana Vegetabl		

1.	Up land sandy soil humid condition	Good for maize, wheat, Banana, Vegetables & fruits
2.	Medium Sandy loam soil humid condition	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 Alluvial Soils	Rabi Maize, wheat oil seeds and pulses & cucurbitaceous vegetable 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, 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 soil	Deposition of clay/sandy soil year 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

Z.S. Weather uata				
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	Katihar	Manihari	Kumaripur Miapur	Banana Boro Paddy,	Lack of high yielding var &	
			Sahardangi Borani	Oil Seeds Maize	loss due to pest & diseases	
		Hasanganj	Rampur, Hasanganj	Wheat, Paddy Vegetables	"	
		Pranpur Mansahi	Mahadeo Nagar	Vegetables Maize,	"	
			sangali Bari Marangi	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 verities of oil seeds filled in – OII 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	Scientific cultivation of	-	(i) Field days	(i) Pigeon pea – P 9				
var. P9, Lentil var. PL	(i) Green gram		(ii) Field visits	(ii) Llentil – PL 406				
406, Green gram var.	(ii) Lentil			(iii) Green gram SML – 668				
SML 668	(iii) Pigeon pea &							
	(iv) Boro rice with inclusion of							
	recently released new							
	varieties							
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 A ology year		Area	Area(ha)		No o Dem	f Farmers nonstratior	/	Reasons for shortfall in
			nstrate d	nstrate d	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	eason	arming uation Irrigated)	oil type	Sta	Status of soil			ing date	/est date	asonal all (mm)	of rainy days
	ŭ	Fa sit (RF/	Ň	N	Ρ	к	Previ	Sow	Han	Se rainf	No.
Sesmum	Kharif	Irrigated									
Redgram	Kharif	Irrigated									
Greeengram	Summer	Irrigated									
Lentil	Ravi	Irrigated									

#### Performance of FLD

SI.	Crop	Technology	Variety	No. of Farmers	Area (ha.)	Demo	Demo. Yield Qtl/ha			Increase in Yield	Data on pa relation to demon	rameter in technology strated
		Demonstrated		1 anner 3	(114.)	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 cu (Rs./ha)	Iltivation	Average Gross Ref (Rs./ha)	turn	Average Net Return (Rs./ha)	Average Net Return (Profit) (Rs./ha)		
Demonstration	Local Check	Demonstration Local Check		Demonstration	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).

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

Farmers' reactions on specific technologies

S. No	Crop	Feed Back
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	arameter on to logy trated Local check	% 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	arameter on to logy trated Local check	% change in the parameter	Remarks

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

(iii) Other Enterprises

10

Enterprise	Variety/	No. of	No. of	Performance parameters /	Data on para relation to teo demonstr	meter in chnology ated	% change in the	Remarks
	breed/opecies/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 af	Others				SĊ			ST		Gra
Thematic Area											nd
	Courses	М	F	Т	Μ	F	Т	М	F	Т	Tot
											al
(A) Farmers & Farm Women											
I Crop Production											
Wood Management	5	20	2	22	10		10	5	1	6	19
Posourco Consorvation Technologies	3	20	2	20	2	_	2	2	-	2	40
Cropping Systems	3	17	_	17	5	_	5	2	-	2	25
Crop Diversification	3	10	_	10	3		3	2	_	2	25
Integrated Earming		10	_	10	4	_	4	3	-	3	25
Wotor monogement	F	26		26	0		0	6		6	50
Sood production	5	25	-	25	0	_	0	6	_	6	30
Nursery menogement	5	25	-	30	/	-	12	10	-	10	40
Integrated Crop Management	0	20	1	20	10	1	12	10	-	10	40 52
	0	20	_	20	10	-	10	15	-	15	53
Production	<u> </u>	25		25	45		45	~		0	50
Production of organic inputs	6	35	_	35	15	_	15	8	-	8	58
Otners, if any											
Il Horticulture											
a) Vegetable Crops											
Production of low volume and high value	2	1.1		14	6		6	4		4	24
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											
Nurserv Management											
Management of potted plants											
Export potential of ornamental plants		1									
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											
Nurserv 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
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	0						0	0		0	20
Soil and Water Testing											
Others if any			-		ł						
IV Livestock Production and											
Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products					1						
Others if any											
V Home Science/Women empowerment											
Household food security by kitchen											
gardening and nutrition gardening											
Design and development of low/minimum											
cost diet											
Designing and development for high											
nutrient efficiency diet					-				_	-	
Minimization of nutrient loss in processing	1	-	10	10	-	8	8		2	2	20
Gender mainstreaming through SHGs											
Storage loss minimization techniques	1		15	15		6	6		4	4	25
Value addition	1		10	10		5	5		2	2	17
Income generation activities for											
empowerment of rural Women											
Location specific drudgery reduction											
technologies					<u> </u>						
Rural Crafts		ļ			ļ						
Women and child care											
Others, if any					<u> </u>						
VI Agril. Engineering											
Installation and maintenance of micro					1						
irrigation systems											
Use of Plastics in farming practices					1						
Production of small tools and implements		1			1						

Demois and maintenance of forms			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
	00				- ·		- ·	10			
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 fich forming	6	110		110	01		26	105		10	110
Integrated lish ranning	0	110	-	110	21	_	20	165	-	12	110
Carp breeding and hatchery management											
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											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
Others, if any											
IX Production of Inputs at site											
Seed Production											
Planting material production										i I	
Bio-agents production											
Bio-agents production Bio-pesticides production											
Bio-agents production Bio-pesticides production Bio-fertilizer production											
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production	7	38		38	8		8	7		7	53
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production Organic manures production	7	38		38	8		8	7		7	53
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production Organic manures production Production of fry and fingerlings	7	38	_	38	8	-	8	7		7	53
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production Organic manures production Production of fry and fingerlings Production of Bee-colonies and wax	7	38	_	38	8	_	8	7	_	7	53
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production Organic manures production Production of fry and fingerlings Production of Bee-colonies and wax sheets	7	38	_	38	8	-	8	7	_	7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements	7	38	-	38	8	1	8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder	7	38	-	38	8	-	8	7	-	7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed	7	38	-	38	8	-	8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any	7	38	-	38	8	-	8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group	7	38	_	38	8	_	8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics	7	38		38	8		8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development	7	38		38	8		8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics	7	38		38	8	-	8	7	-	7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs	7	38		38	8		8	7	-	7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs	7	38		38	8		8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs         Mobilization of social capital	7	38		38	8		8	7		7	53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs         Mobilization of social capital         Entrepreneurial development of	7	38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs         Mobilization of social capital         Entrepreneurial development of farmers/youths         WTO and IPR issues	7	38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         Group dynamics         Formation and Management of SHGs         Mobilization of social capital         Entrepreneurial development of         farmers/youths         WTO and IPR issues         Others, if any	7	38		38	8		8	7			
Bio-agents production Bio-pesticides production Bio-fertilizer production Vermi-compost production Organic manures production Production of fry and fingerlings Production of Bee-colonies and wax sheets Small tools and implements Production of livestock feed and fodder Production of 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	7	38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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	7	38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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		38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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		38		38	8		8	7			
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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		38			8		8				
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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 (PI. Specify)		38			8		8				
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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 (PI. Specify)					8		8				
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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 (PI. Specify)         TOTAL		38			8		8				
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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 (PI. Specify)         TOTAL         (B) RURAL YOUTH	7	38		38	8		8	7			53
Bio-agents production         Bio-pesticides production         Bio-fertilizer production         Vermi-compost production         Organic manures production         Production of fry and fingerlings         Production of Bee-colonies and wax         sheets         Small tools and implements         Production of livestock feed and fodder         Production of Fish feed         Others, if any         X Capacity Building and Group         Dynamics         Leadership development         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 (PI. Specify)         TOTAL         (B) RURAL YOUTH         Mushroom Production	7	38		38	8		8	7			53

									1	,	
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											1
Vermi-culture	5	37	-	37	6	-	6	5	-	5	48
Sericulture											l
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											l
Nursery Management of Horticulture											
crops											l
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairving											
Sheen and goat rearing							-				
Quail farming											
Piggery										┝────┦	
Pabhit farming		+	<u> </u>		+		<u> </u>			┟────┦	<u> </u>
Rabbit faithing Poultry production											
Ornamental fisherias											
Omamental lisheries			<u> </u>				<u> </u>				
Para vets											
Para extension workers											ļ
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											ļ
Cold water fisheries											ļ
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											<u> </u>
Post Harvest Technology											1
Tailoring and Stitching											
Rural Crafts											
Others, if any											
TOTAL											ĺ
(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	U U				-					· · ·	
Rejuvenation of old orchards											
Protected cultivation technology							-				
Formation and Management of SHGs											
Group Dynamics and formore organization											
Group Dynamics and families organization											}
Consoity building for ICT appliestion											
Capacity building for ICT application											
Care and maintenance of farm machinery											l
WTO and IPR issues											ļ
ivianagement in tarm animals											
Livestock feed and fodder production										l	
Household tood security		1			ļ		ļ	ļ			
Women and Child care							ļ			l	ļ
Low cost and nutrient efficient diet											
designing			ļ				ļ				
Production and use of organic inputs	5	39	-	39	6	-	6	4	—	4	49
Gender mainstreaming through SHGs											ļ
Any other (PI. Specify)											
TOTAL	245	1365	38	1403	333	20	354	228	9	236	1927

# (b) **OFF** Campus

		No. of			١	lo. of F	Participa	ants				
	Thematic Area	NO. OF	Others				SC			ST		Grand
		Courses	М	F	Т	М	F	Т	Μ	F	Т	Total
	(A) Farmers & Farm Women											
	I Crop Production											
		0	05	-	40	10		40	0		0	50
	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 Crons											
	Production of low volume and high											
	value crops	8	38	-	38	7	-	7	5	-	5	50
	Off soason vogetables	7	40		40	0		0	0		0	56
	Nursony raising	7	40	-	40	0	-	0	7	-	7	34
	Evotic vogotoblos liko Broccoli	5	10	-	10	9	-	9	/	-	1	- 54
	Expert potential vegetables											
	Creding and standardization											
	Brotostivo gultivotion (Croon Houses											
	Protective cultivation (Green Houses,	5	40	-	40	7	-	7	5	-	5	52
	Others, If any											
	D) Fruits											
	I raining and Pruning	0	00		00	0		0			4	00
	Layout and Management of Orchards	3	20	-	20	6	-	6	4	-	4	30
	Cultivation of Fruit	/	40	-	40	8	-	8	6	-	6	54
	Management of young plants/orchards	6	39	-	39	7	-	7	4	-	4	50
	Rejuvenation of old orchards	3	40	-	40	12	-	12	8	-	8	60
	Export potential fruits								-			
	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											
	c) Ornamental Plants		L									
	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	-	q	59
	technology	Ŭ	00		00				Ŭ		Ŭ	00
	Processing and value addition											
	Others, if any											
	e) Tuber crops											
	Production and Management	6	20		20	11		1/	Q		Q	60
	technology	0	30		30	14		14	0		0	00
	Processing and value addition											
	Others, if any											
	f) Spices											
	Production and Management	0	E0		E 9	10		10	15		15	02
	technology	0	50		50	19		19	15		15	92
	Processing and value addition											
	Others, if any						[			[		
Ц	-											

g) Medicinal and Aromatic Plants											
Nursery management	7	39	-	39	10	-	10	9	-	9	58
Production and management	10	60		60	17		17	14		14	01
technology	10	60	-	60	17	-	17	14	-	14	91
Post harvest technology and value	2	10		10	6		6	4		4	29
addition	3	10	-	10	0	_	0	4	_	4	20
Others, if any											
III Soil Health and Fertility											
Management											
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											
Poultry Management	1	1	1		t						
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
Others, if any											
V Home Science/Women											
empowerment											
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											
processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	2	-	21	21	-	12	12	_	3	3	36
Value addition	2		25	25		10	10		5	5	40
Income generation activities for											
empowerment of rural Women											
Location specific drudgery reduction											
technologies											
Rural Crafts											
Women and child care	1		18	18		5	5		4	4	27
Others, if any											
VI Agril. Engineering											
Installation and maintenance of micro											
Lingation systems											
Dise of Plastics III faithing plactices					-						
implements											
Repair and maintenance of farm											
Small scale processing and value											
addition											
Post Harvest Technology					<u> </u>						
Others if any	+		<u> </u>								
VII Plant Protection	1										
Integrated Pest Management											
	1	1	i i	1	1	1	1	1	1	1	

1. ( ID: M (	01	75						40	<u> </u>	40	100
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											
									<u> </u>		
Integrated fish farming									L		
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 batchery											
Pen culture of fish and prawn											
Chrimp forming	-								<u> </u>		
									<u> </u>		
Edible oyster farming									<u> </u>		
Pearl culture									L		
Fish processing and value addition											
Others, if any											
IX Production of Inputs at site											
O a a d Dea du atia a	0	00		00	0		0	4	<u> </u>	4	00
Seed Production	3	20	-	20	6	-	6	4		4	30
Planting material production									L		
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											
Sheets Small tools and implements											
Small tools and implements									<u> </u>		
Production of livestock feed and fodder									<b> </b>		
Production of Fish feed											
Others, if any									<u> </u>		
X Capacity Building and Group											
Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of											
farmers/vouths											
WTO and IPR issues											
Others if any											
XI Agro-forestry									ł		
A Agro-Ioresti y											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (PI. Specify)		İ	l		t	l	t			l	
									L		
TOTAL	ļ								<u> </u>		
(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	1								<u> </u>	Ŭ	
Planting material production				L					<u> </u>		
	2	20		20	7		7	2	<u> </u>	2	20
venni-culture	3	20		20				3		3	30

	-										
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture		40		40	10		10	0		0	50
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									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											
									ł		
(C) Extension Personnel									ł		
Productivity enhancement in field crops	17	78		78	18		18	1/		1/	112
Integrated Pest Management	17	73		73	18		18	12		12	103
Integrated Nutrient management	5	30		30	11		10	8		8	58
Rejuvenation of old orchards	6	38		38	10	<u> </u>	10	8	<u> </u>	8	54
Protected cultivation technology	0	00			10		10	0	<u> </u>	0	
Formation and Management of SHGs							-		<u> </u>		
Group Dynamics and farmers							-		<u> </u>		
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					1	1	1		<u> </u>		
Household food security					1	1	1		<u> </u>		
Women and Child care									1		
Low cost and putrient efficient diet									<u> </u>		
designing											
Composite fish culture	3	15	_	15	5	- 1	5	_	- 1	_	20
Production and use of organic inputs	10	58	_	58	14	- 1	14	10	- 1	10	82
Gender mainstreaming through SHGs									<u> </u>		~-
Any other (Pl. Specify)									<u> </u>		
TOTAL	326	1940	92	2032	520	33	553	377	16	393	2985
	-	-			-	-	-			-	-

# C) Consolidated table (ON and OFF Campus)

				N	lo. of P	articipa	ants				
Thematic Area	No. of Courses	Others				SC			ST		Grand Total
	e e u e e e	М	F	Т	М	F	Т	М	F	Т	
(A) Farmers & Farm Women											
I Crop Production	1			1	T				1		
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
Vater management	12	72	_	72	16	-	16	12	_	12	100
Seed production	12	75	_	75	19		19	15	_	15	109
Integrated Crop Management	14	50 60	_	- 50 - 60	20	-	20	23	_	23	90
Endder production	5	34		34	20	_	20	23	_	23	50
Production of organic inputs	13	7/	_	7/	9 26	_	26	16	_	16	116
Others if any	10	/ 4		74	20		20	10		10	110
II Horticulture											
a) Vegetable Crops	1	1	0	I	1	•	1	1	I	1	1
Production of low volume and high	11	52	_	52	13	_	13	9	_	9	74
value crops										Ŭ	
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,											
Othors if any					-	-		-			
b) Fruits											
	3	17	_	17	5	_	5	3	_	3	25
Layout and Management of Orchards	10	60	_	60	16	_	16	14	_	14	90
Cultivation of Fruit	13	78	_	78	20	_	20	14	_	14	112
Management of young plants/orchards	11	74	_	74	16	-	16	15	-	15	105
Rejuvenation of old orchards	9	78	-	78	20	-	20	19	-	19	117
Export potential fruits											
Micro irrigation systems of orchards	3	17	-	17	4	-	4	3	-	3	24
Plant propagation techniques	8	56	-	56	14	-	14	11	-	11	81
Others, if any											
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							1			1	
Production and Management		00		00			44	0		0	50
technology	5	39	-	39	11	-	11	9	-	9	59
Processing and value addition											
Others, if any											
Production and Management					1	1					
technology	11	57	-	57	19	-	19	9	-	9	85
Processing and value addition							<u> </u>			<u> </u>	
Others if any											
f) Spices	1	1	1	1	1	1	1	1	1	1	1
Production and Management								4.5		4.5	
technology	17	75	-	75	23	-	23	18	-	18	116
Processing and value addition											
								-	-	-	

Others, if any											
g) Medicinal and Aromatic Plants											
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
Micro putrient deficiency in crops	6	20		20	0		0	5		5	51
Nutrient Use Efficiency	6	30	-	30	0	-	0	3 8	-	3 8	52
Soil and Water Testing	0	54	_	54	10	_	10	0	_	0	52
Others, if any											
IV Livestock Production and Manager	nent		1					I	l	I	
Dairy Management		1			1						
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 processing	1	-	10	10	-	8	8	-	2	2	20
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
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											
VI Agril. Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others, if any											
VII Plant Protection											
Integrated Pest Management	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											

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 natchery											
Shrimp forming					+						
Edible ovster farming											
Pearl culture					1						
Fish processing and value addition											
Others, if any					1						
IX Production of Inputs at site											
Seed Production	2	20		20	6		6	Λ		Λ	20
Planting material production	3	20	-	20	0	-	0	4	-	4	
Bio-agents production											
Bio-agents production Bio-pesticides production											
Bio-fertilizer production					1						
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	•									Ű	
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	ics	r	r		T		1			1	[
Leadership development											
Group dynamics											
Formation and Management of SHGS											
Entrepreneurial development of											
farmers/vouths											
WTO and IPR issues											
Others, if any											
XI Agro-forestry											
Production technologies					1						
Nursery management											
Integrated Farming Systems					1						
XII Others (PI. Specify)			1								
		r	Г		T		1		1	1	
					+						
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
Seed production	6	39	-	39	10	-	10	9	-	9	58
Production of organic inputs	-		1	20				-		-	
Integrated Farming		1	1		1						
Planting material production			İ		1						
Vermi-culture	8	57	-	57	13	-	13	8	-	8	78
Sericulture											
Protected cultivation of vegetable											
crops		1	Ì				1				

Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture	0	00		00	7		-	0		0	00
crops	3	20	-	20	1	-	1	3	-	3	30
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairving											
Sheep and goat rearing											
Quail farming											
Diggery											
Pohit forming											
Rabbit failing Doultry production											
Ornomental ficharias											
Dere vete											
Para vers											
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	Cliente le	Title of the training programme	Dura tion	Venue (Off / On	Nu part	mbe ticip	r of ants	Nu	imbe SC	r of	Nu	umb of S	er T	Tot al
	_		days	Campus)	M	F	Т	Μ	F	Т	Μ	F	Т	
	ler	Improved technology in wheat production	2	ON	22		22	4		4	3		3	22
	mers & farm	Recent technology for wheat cultivation, water weed and nutrient management	3	OFF	25		25	5		5	4		4	25
	cing Farr	Water & weed management in rabi maize	2	OFF	30		30	5		5	5		5	30
	Practi	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	Title of the training	Dura	Venue	Nu	mbe	r of	Nu	mbe	r of	Ν	umb	er	Tot
	le	programme	tion	(Off / On	par	ticip	ants		SC		C	of S	Г	al
			days	Campus)	Μ	F	Т	Μ	F	Т	Μ	F	Τ	
		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	Title of the training	Dura	Venue	Nu	mbe	r of	Nu	ımbe	r of	Νι	umb	er	Tot
	le	programme	in	(Off / On Campus)	par	ticip	ants		SC		C	of S	Г	al
			days	Campus)	Μ	F	Т	Μ	F	Т	Μ	F	Т	
		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	Title of the training	Durati	Venue	Nu	mbe	r of	Nu	ımbe	r of	Νι	umb	er	Total
	le	programme	days	(On / On Campus)	par	ticipa	ants		SC		C	of S	Г	
				Gampad)	М	F	Т	Μ	F	Т	Μ	F	Т	
		Insect pest & disease	1	OFF	20		20	3		3	2		2	20
		management in jute crop												
		Insect pest management	1	ON	20		20	3		3	2		2	20
		in rainy rearon												
		vegetables												
		Insect pest & disease	2	ON	22		22	2		2	2		2	22
		management of jute												
		Insect pest & disease	2	OFF	20		20	3		3	2		2	20
		management in rainy												
		vegetables												
	Extensi	Improve cultivation of	2	ON	25		25	3		3	2		2	25
	on	Rabi crop												
	functio	Scientific cultivation of	1	OFF	25		25	3		3	2		2	25
	naries	rabi crop												
		Scientific cultivation of	3	ON	26		26	3		3	3		3	26
		pulses & oilseed												
		production												
		Recent advances for	2	ON	20		20	2		2	2		2	20
		cultivation of Boro paddy												
		Scientific cultivation of	2	OFF	22		22	2		2	2		2	22
		summer crop												
		Scientific cultivation of	2	ON	27		27	5		5	2		2	27
		kharif crop												
		Scientific cultivation of	1	OFF	25		25	3		3	2		2	25
		kharif crop												
		Recent advance for	3	ON	50		50	3		3	2		2	50
		insect pest management												
		in rabi crops												
		Insect & disease	3	OFF	25		25	3		3	2		2	25
		management in rabi												
		vegetables												
		Recent advances for	3	ON	25		25	3		3	2		2	25
		insect pest management												
		in rabi vagetable												
		Insect & disease	1	OFF	33		33	5		5	3		3	33
		management in fruit plant												
		Recent advances for	2	ON	50		50	3		3	2		2	50
		insect pest management												
		in summer vegetables												
		Recent advance of insect	3	OFF	29		29	5		5	4		4	29
		pest management in												
		rainy vegetables												
		Insect pest & disease	1	ON	25		25	3		3	2		2	25
		management in new												
		orchasd						1			1			

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

Crop / Enterprise	Identified Thrust	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		Extension Officials				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										l
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										l
Sammelan										
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns										
Farm Science Club										l
Conveners meet										
Self Help Group										l
Conveners meetings										
Mahila Mandals										
Conveners meetings										
Celebration of										
important days										
(specity)										
Any Other (Specify)										
Total										1

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

#### **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
				value (itel)	
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				
OTHERS (Specify)				

	SUMMARY									
SI. No.		Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of					
					Farmers					
1	CEREALS	<ul> <li>Paddy</li> </ul>	16	-	58					
2	OILSEEDS	<ul> <li>Cesamum</li> </ul>	2		5					
3	PULSES	– Pusa Vishal	1		25					
4	VEGETABLES	– SML 668	1		20					
5	FLOWER CROF	rs								
6	OTHERS Okra	<ul> <li>Arka Anamka</li> </ul>	0.50							
	Т	OTAL								

#### 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	ntity	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									
			Qua	antity		Provided to				
SI. NO.	Product Name	Species	No	(kg)	Value (Rs.)	NO. Of Farmers				
1	BIOAGENTS									
2	BIO FERTILIZERS									
3	BIO PESTICIDE									
	TOTAL									

# LIVESTOCK

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

	SUMMARY								
			Qua	Intity					
SI. No.	Туре	Breed	Nos	Kgs	Value (Rs.)	Provided to No. of Farmers			
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	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			
. Details of s	samples analyzed so far :		

÷

2

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

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

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

Nam e Of the crop	Date of sowing	Date of		Details	s of producti	on	Amour	nt (Rs.)	Pomarka
		harvest	Area	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Planta	ation crops	;		1	Γ	1	r	Γ	I
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)

	Name	Detai	ls of production		Amoui			
SI. No	of the animal / bird / aquatics	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, katihar	10501342703

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

Itom	Released by ICAR		Expe	nditure	Lincoant balance as on 1 <sup>st</sup> April 2007
nem	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	Unspent balance as on 1 April 2007
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

	Released	d by ICAR	Exper	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						

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

	Release	d by ICAR	Expe	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			
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	I raining material (posters, charts, demonstration			
	material including chemicals etc. required for			
	Frontling domenstration except eilseeds and pulses			
E	(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			
Н	Maintenance of buildings			
1	Establishment of Soil, Plant & Water Testing			
	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)			

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										
production										
Weed										
Management										
Integrated										
Crop										
Management										
Integrated										
Nutrient										
Management										
Integrated										
Farming										
System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm										
Machinenes										
Value addition										
Dest										
Monogoment										
Integrated										
Disease										
Management										
Posourco										
nesource										
technology										
Small Scale										
income										
generating										
TOTAL										
IUTAL				1		I				

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	rameter in echnology strated Local	Average Net Return (Profit) (Rs./ba)	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

Crop	Technology Demonstrat	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on pa relation to demon	rameter in echnology strated	Average Net Return (Profit)	Benefit-Cost Ratio (Gross Return /
	04					(70)	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	rameter in echnology strated Local	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.	on eter in on to blogy trated Local check	% 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			SC			ST				
		Μ	F	Т	М	F	Т	Μ	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	1	10	9	_	9	57
Micro Irrigation/Irrigation	12	72	-	72	16	-	16	12	-	12	100
Seed production	12	75	_	75	19	1	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

Integrated Mutrient Management         35         160         -         160         45         -         45         32         -         332         237           Production of organic iputs         52         244         -         244         81         59         -         59         384           Production of organic iputs         52         244         -         52         13         -         13         9         -         9         74           Offseason vegetables         10         58         -         58         11         11         10         -         10         79           Offseason vegetables         28         166         -         166         44         44         36         -         36         246           Export potential vegetables         28         28         13         7         -         17         5         5         3         -         3         25         133         29         28         28         28         28         28         28         28         28         28         28         28         28         28         28         28         28         28         28         28 <t< th=""><th>Soil and Water Conservation</th><th>38</th><th>145</th><th>-</th><th>145</th><th>35</th><th>-</th><th>35</th><th>32</th><th>-</th><th>32</th><th>212</th></t<>	Soil and Water Conservation	38	145	-	145	35	-	35	32	-	32	212
Management         Col         Fod         Fod         Fod         Fod         Fod         Fod         Col         Col <thc< td=""><td>Integrated Nutrient</td><td>35</td><td>160</td><td>-</td><td>160</td><td>45</td><td>_</td><td>45</td><td>32</td><td>-</td><td>32</td><td>237</td></thc<>	Integrated Nutrient	35	160	-	160	45	_	45	32	-	32	237
Production of organic inputs         52         244         -         244         81         59         -         59         384           a) Vegatable Crops         -         -         52         13         -         13         9         -         9         74           Off-season vegatables         10         58         -         58         11         11         10         -         10         74           Off-season vegatables         28         166         -         166         44         4         44         36         -         36         246           Expotic vegatables         -         25         13         -         3         38         287         -         16         16         -         16         16         -         16         16         <	Management		100		100				02			201
Horitouture a) Vegetable Crops         Image: Constraint of the constraint constraint of the constraint of the constraint co	Production of organic inputs	52	244	-	244	81	-	81	59	-	59	384
a) vegatable Urops         i	Horticulture											
Production of DW Value and high volume copp       11       52       -       52       13       -       13       9       -       9       74         Off-season vegetables       10       66       -       58       11       -       11       10       -       10       79         Nursery raising       28       166       -       16       44       44       36       246       246         Export potential vegetables       -	a) vegetable Crops											
Ingrivation         Constraint         Image of the second	Production of low value and	11	52	_	52	13	_	13	9	-	9	74
Onlession beginations         10         30         -         30         11         -         11         10         -         36         246           Exotic vegetables         -         166         4         -         44         36         -         36         246           Exotic vegetables         -         16         4         -         44         36         -         36         246           Exotic vegetables         -		10	59		59	11		11	10		10	70
Indices value         Indices         Indites         Indites         Indices	Nursery raising	28	166		166	11	_	11	36	_	36	246
Likur, togradules         Image: constraint of the second sec	Exotic vegetables	20	100	-	100	44	-	44	30	-	30	240
Grading and standardization         Image: constraint of the standardization         Image: constandardization         Image: constandardiza	Export potential vegetables											
Protective cultivation         p	Grading and standardization											
b) Fruits         n	Protective cultivation											
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       -       29       254       -       29       254       -       29       254       -       29       254       -       29       254       -       29       254       -       29       254       -       29       254       -       29       257       187       -       18       18       -       18       13       -       13       152       -       15       122       143       -       18       15       -       15       122       143       -       18       15       -       15       122       143       -       143       29       -       29       22       -       22       194       194       194       194       194       194       194       194 </td <td>b) Fruits</td> <td></td>	b) Fruits											
Layout and Management of Orchards       23       133       -       133       29       -       29       25       -       25       187         Orchards       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       38       -       38       287         Micro irrigation systems of orchards       16       95       -       55       18       -       18       13       1.5       210       -       25       210       -       25       210       -       25       210       -       25       210       -       25       210       -       25       210       -       13       152       -       15       122       133       152       -       15       122       123       -       14       29       -       29       22       2       22       122       122	Training and Pruning	3	17	_	17	5	_	5	3	-	3	25
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         28         214         -         214         44         -         43         38         -         39         297           Export potential fruits         28         214         -         214         44         -         44         39         -         39         297           Export potential fruits         26         154         -         154         18         13         -         13         152           Plant propagation techniques         26         154         -         154         18         15         15         15         122           Management of potted plants         10         88         -         88         18         18         15         15         122           Management of potted plants         20         -         20         5         5         4         -         <	Layout and Management of	00	4.00		400			00	05		05	407
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         -         -         55         18         -         18         13         -         13         152           Plant propagation techniques         26         154         -         154         31         -         31         25         -         25         210           Plant propagation techniques         26         154         -         154         18	Orchards	23	133	-	133	29	-	29	25	-	25	187
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 ruits         -         -         -         -         -         -         -         -         -         -         -         -         -         39         297           Export potential ruits         -         55         18         -         18         13         -         131         152         -         152         210         -         20         -         31         -         15         122           Plants/orchards         -         16         88         18         -         18         15         -         15         122           Management of potted plants         -	Cultivation of Fruit	29	187	-	187	28	-	28	29	-	29	254
plants/orchards         0.4         200         1         200         44         1         44         39         1         39         297           Export potential fruits         28         214         -         214         44         -         44         39         -         39         297           Export potential fruits         16         95         -         55         18         -         144         44         -         444         39         -         39         297           Export potential fruits         16         95         -         55         18         -         18         13         -         13         152         -         25         210         -         20         -         20         -         18         15         -         15         122           Management         10         88         -         88         18         -         18         15         -         15         122           Management         10         88         -         20         5         -         5         4         -         44         29           Ormamental Plants         20         143	Management of young	34	206	_	206	13	_	13	38		38	287
Rejuvenation of old orchards         28         214         -         214         44         -         44         39         -         39         297           Export potential future         16         95         -         55         18         -         18         13         -         13         152           Plant propagation techniques         26         154         -         154         31         -         31         25         -         25         210           Plant propagation techniques         26         154         -         18         18         15         -         15         122           Nursery Management         10         88         -         88         18         -         18         15         15         122           Management of potted plants         - <td>plants/orchards</td> <td>54</td> <td>200</td> <td>-</td> <td>200</td> <td>40</td> <td>_</td> <td>43</td> <td>50</td> <td>-</td> <td>50</td> <td>207</td>	plants/orchards	54	200	-	200	40	_	43	50	-	50	207
Export potential fruits         Image: Constraint of the second seco	Rejuvenation of old orchards	28	214	-	214	44	-	44	39	-	39	297
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       -       88       18       -       18       15       -       25       210         Mursery Management       10       88       -       88       18       18       15       -       15       122         Management of potted plants       -       -       20       -       20       5       -       5       4       -       4       29         Ormamental Plants       -	Export potential fruits											
Orchards         Orchards	Micro irrigation systems of	16	95	-	55	18	-	18	13	-	13	152
Plant propagation techniques       26       154       -       154       31       -       31       -       25       -       25       210         Nursery Management       10       88       -       88       18       -       18       15       -       15       122         Management of potted plants       -	orchards		454		454				05		05	040
C) Ornamental Plants         10         88         18         15         15         122           Management of potted plants         10         88         18         18         15         15         122           Management of potted plants         10         88         18         18         15         15         122           Management of potted plants         1 </td <td>Plant propagation techniques</td> <td>26</td> <td>154</td> <td>-</td> <td>154</td> <td>31</td> <td>-</td> <td>31</td> <td>25</td> <td>-</td> <td>25</td> <td>210</td>	Plant propagation techniques	26	154	-	154	31	-	31	25	-	25	210
Nutrisety Management Management of potted plants       10       88       18 <th18< th="">       18       18</th18<>	c) Ornamental Plants	10	00		00	40		40	45		45	400
Management of plated plants         Imagemental plants <thimagemental plants<="" th=""> <th< td=""><td>Nursery Management</td><td>10</td><td>88</td><td>-</td><td>88</td><td>18</td><td>-</td><td>18</td><td>15</td><td>-</td><td>15</td><td>122</td></th<></thimagemental>	Nursery Management	10	88	-	88	18	-	18	15	-	15	122
Lapon potential of offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal plants         Image: state offanternal pla	Export potential of ornamontal				-							
Justical Ornamental Plants         4         20         -         20         5         4         -         4         29           d) Plantation crops         -         -         20         143         -         143         29         -         5         4         -         4         29           d) Plantation crops         -	Diants											
Integration induces of mamerial Plants       4       20       -       20       5       -       5       4       -       4       29         d) Plantation crops       20       143       -       143       29       -       29       22       -       22       195         Production and Management technology       20       143       -       143       29       -       29       22       -       22       195         Processing and value addition       2       136       36       -       36       22       22       194         Production and Management technology       22       136       -       136       36       -       36       22       2       22       194         Production and Management technology       27       158       -       158       39       -       39       29       -       29       216       27         Production and Management technology       27       158       -       158       39       -       39       29       2       29       216         Production and Management       27       158       -       158       39       -       39       29       2	Propagation techniques of											
Offer the state of th	Ornamental Plants	4	20	-	20	5	-	5	4	-	4	29
Production and Management technology         20         143         -         143         29         -         29         22         -         22         195           Processing and value addition         -         199         -         199         -         199         -         199         -         199         -         199 <td< td=""><td>d) Plantation crops</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	d) Plantation crops											
technology       20       143       -       143       29       -       29       22       -       22       195         Processing and value addition       -       -       -       -       -       -       -       -       29       22       -       22       195         Production and Management       22       136       -       136       36       -       36       22       -       22       194         Production and Management       22       136       -       136       36       -       36       22       -       22       194         Production and Management       27       158       -       158       39       -       39       29       -       29       216         Production and Management       27       158       -       158       39       -       39       29       -       29       216         Production and Management       27       158       -       158       39       -       39       29       -       29       216         Production and management       12       77       77       16       16       14       14       107       107 <td>Production and Management</td> <td></td> <td>105</td>	Production and Management											105
Processing and value addition       Image: second sec	technology	20	143	-	143	29	-	29	22	-	22	195
e) Tuber crops       r	Processing and value addition											
Production and Management technology         22         136         -         136         36         -         36         22         -         22         194           Processing and value addition         Image: Constraint of technology         Image: Constechnology         Image: Constraint of techno	e) Tuber crops											
technology       22       130       130       30       130       30       120       220       134         Processing and value addition       27       158       27       158       39       2       39       29       29       216         Production and Management technology       27       158       -       158       39       -       39       29       -       29       216         Processing and value addition       27       158       -       158       39       -       39       29       -       29       216         Processing and value addition       27       158       -       158       39       -       39       29       -       29       216         Processing and value addition       27       158       -       158       39       -       39       29       21       21         Musery management       12       77       77       16       16       14       14       107         Production and management       29       184       -       184       41       -       41       32       -       32       257         Post harvest technology and value addition       8	Production and Management	22	136	_	136	36	_	36	22	_	22	10/
Processing and value additionImage and the second sec	technology	22	130	-	130	30	-	30	22	-	22	194
f) SpicesImage: Spice of technologyImage: Spice of	Processing and value addition											
Production and Management technology       27       158       -       158       39       -       39       29       -       29       216         Processing and value addition	f) Spices											
ItechnologyIntegrated nutrient managementIntegrated nutrient 	Production and Management	27	158	-	158	39	-	39	29	-	29	216
Processing and value additionImage: second sec	technology											
g) medicinal and Aromatic       Image of the second s	Processing and value addition					-		-				
Nursery management       12       77       77       16       16       14       14       107         Production and management       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       39       215       -       215       54       -       54       42       -       42       311         Integrated water management       39       215       -       215       54       -       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       303         Production and use of organic isoils       95       251       -       251       58       -       58       45       -       45       364         Management<	g) Medicinal and Aromatic											
Horsder management technology       12       17       18       17       10       16       16       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       39       215       -       215       54       -       54       42       -       42       311         Integrated water management       39       215       -       215       54       -       54       42       -       422       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 <td>Nursery management</td> <td>12</td> <td>77</td> <td></td> <td>77</td> <td>16</td> <td> </td> <td>16</td> <td>1/</td> <td></td> <td>1/</td> <td>107</td>	Nursery management	12	77		77	16		16	1/		1/	107
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       29       184       -       184       41       -       41       32       -       32       257         Soil Health and Fertility Management       8       36       36       11       11       6       6       53         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       95       251       -       251       58       -       58       45       -       45       303         Production and use of organic inputs       95       251       -       251       58       -       58       45       -       45       364         Management of Problematic soils       95       25	Production and management	14				10		10	14		14	107
Post harvest technology and value addition       8       36       36       11       11       6       6       53         Soil Health and Fertility Management       39       215       -       215       54       -       54       42       -       42       311         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       95       251       -       251       58       -       58       45       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       -       22       16       -       16<	technology	29	184	-	184	41	-	41	32	-	32	257
value addition       8       36       36       11       11       6       6       53         Soil Health and Fertility Management       9       215       -       215       54       -       54       42       -       42       311         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       95       251       -       251       58       -       58       45       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       2       22       16       -       16       157	Post harvest technology and						1		_			=0
Soil Health and Fertility Management         39         215         -         215         54         -         54         42         -         42         311           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         95         251         -         251         58         -         58         45         -         45         364           Micro nutrient deficiency in crops         17         119         -         119         22         -         22         16         -         16         157	value addition	8	36		36	11		11	6		6	53
Management         Image Management         39         215         -         215         54         -         54         42         -         42         311           Integrated water management         24         199         -         199         59         -         59         45         -         45         303           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         95         251         -         251         58         -         58         45         -         45         364           Micro nutrient deficiency in crops         17         119         -         119         22         -         22         16         -         16         157	Soil Health and Fertility											
Soil fertility management       39       215       -       215       54       -       54       42       -       42       311         Integrated water management       24       199       -       199       59       -       59       45       -       42       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       95       251       -       251       58       -       58       45       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       -       22       16       -       16       157         Nutrient use efficiency       14       82       -       82       19       -       19       16       -       16       117	Management											
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       -       -       251       58       -       58       45       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       -       22       16       -       16       157         Nutrient use efficiency       14       82       -       82       19       -       19       16       -       16       117	Soil fertility management	39	215	-	215	54	-	54	42	-	42	311
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       -       -       251       58       -       58       45       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       -       22       16       -       16       157         Nutrient use efficiency       14       82       -       82       19       -       19       16       -       16       117	Integrated water management	24	199	-	199	59	-	59	45	-	45	303
management       or       root	Integrated nutrient	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       -       -       -       -       -       -       45       364         Micro nutrient deficiency in crops       17       119       -       119       22       -       22       16       -       16       157         Nutrient use efficiency       14       82       -       82       19       -       19       16       -       16       117	management	<u> </u>						00	.0		.0	
InputsImputsImputsImputsImputsImputsImputsImputsManagement of Problematic soilsImputsImputsImputsImputsImputsImputsImputsMicro nutrient deficiency in crops17119-11922-2216-16157Nutrient use efficiency1482-8219-1916-16117	Production and use of organic	95	251	-	251	58	-	58	45	-	45	364
Management of Problematic soilsImage with the solutionImage with the solutionImage with the solutionMicro nutrient deficiency in crops17119-11922-2216-16157Nutrient use efficiency1482-8219-1916-16117	Inputs Management of Droblematic										-	
Solis         Image: Constraint of the solid stress of the solid stresolid stresolid stress of the solid stress of the solid stress of	ivianagement of Problematic											
Initial deficiency         17         119         -         119         22         -         22         16         -         16         157           Nutrient use efficiency         14         82         -         82         19         -         19         16         -         16         117	SUIIS Micro nutrient deficiency in											
Nutrient use efficiency         14         82         -         82         19         -         19         16         -         16         117	crops	17	119	-	119	22	-	22	16	-	16	157
	Nutrient use efficiency	14	82	-	82	19	-	19	16	-	16	117

Balanced use of fertilizers											
Soil and water testing											
Livestock Production and											
Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Disease Management											
Food and Fodder toobhology											
Pred 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											
for high nutrient efficiency diet											
Minimization of nutrient loss											
in processing											
Processing and cooking											
Gender mainstreaming											
through SHGs											
Storage loss minimization											
techniques											
Value addition											
Women empowerment											
Location specific drudgery											
reduction											
Rural Crafte											
Mamon and shild sore											
Agrii. 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											
Post Harvest Technology	5	28	-	28	5	-	5	4	-	4	37
Plant Protection											
Integrated Pest Management	99	294	-	294	109	-	109	74	-	74	477
Integrated Disease											
Management	90	321	-	321	92	-	92	61	-	61	480
Bio-control of pests and											
diseases											
Production of his control											
agents and his posticides											
Integrated fish farming											
Carp breeding and hatchery											
management											
Carp try 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											

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											
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											

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

		No. of Participants									
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	100		100	25		25	24		24	101
Horticulture crops	24	122	-	122	35	-	35	24	-	24	181
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. d	of Pa	articipar	nts			
Thomatic Area	No. of		Others								Crond
memalic Area	Courses	Male	Femal e	Total		SC			ST		Total
					М	F	Т	М	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											
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	41	217	-	217	44	_	44	33	-	33	294
inputs										00	201
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	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

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
I	CEREALS			
II	OIL SEEDS			
111	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	•	•			•
1					
2					
3					
4					
5					
Total					
II. VEGETABLES	-		-		
1					
2					
3					
4					
5					
Total					
III. SPICES	1			-	
1					
2					
3					
4					
5					
Total					
IV. FOREST SPE	CIES				
1					
2					
3					
4					
5					
Total					
V. ORNAMENTAL	- CROPS		1	I	1
1					
2				ļ	
3				ļ	
4				ļ	
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		Qua	ntity	Value	Provided	
SI. No.	Name	Species	No	(kg)	(Rs.)	to No. of Farmers	
I. BIOAGENTS							
1							
2							
3							
4							
II. BIOFERTILIZERS							
1							
2							
3							
4							
III. BIO PESTICIDES							
1							
2							
3							
4							
5							

### SUMMARY

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

 Table 5 D
 Livestock materials

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

SUMMARY										
SI. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers				
	- 71		Nos	Kgs						
I	CATTLE									
11	SHEEP & GOAT									
	POULTRY									
IV	FISHERIES									
v	OTHERS									
	TOTAL									

# Signature of Project Coordinator