ANNUAL REPORT

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Katihar	(06452) 246875		kvk katihar@yahoo.in

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

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

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Indradeo Narayan Sharma	06452 – 247912	09430946864	

1.4. Year of sanction:

(Reference of Sanction Order) 2004 – F.No. 4 – 4/95 – AE - I

1.5. Staff Position (as on 31st March 2010)

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 Specialist	Brajendu Kumar (On Study leave)	SMS (Fishery)	Fisheries	8000- 13500	06.12.07	Permanent	Others
3	Subject Matter	Basanti Kumari	SMS(H.Sc.)	Home	8000-	20.11.07	Permanent	SC
	Specialist			Science	13500			
4	Subject Matter	Pankaj kumar	SMS (Extn.Edn.)	Extension	8000-	16.11.09	Permanent	OBC
	Specialist			Education	13500			
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	Agricultural	5000	12.07.06	Contractual	Others
				Extension				
11	Accountant /	B.N. Mahto	Accountant /		3500	27.01.07	Contractual	OBC
	Superintendent		Superintendent					
12	Stenographer	Rajeev Kumar	Stenographer		3500	20.09.07	Contractual	OBC
13	Driver (Jeep)	Dharmendra Kr.	Jeep (Driver)		3500	11.04.05	Contractual	Others
14	Driver (Tractor)	Vacant						
15	Supporting staff	Arun Kr. Mandal	Peon		2750	01.07.05	Contractual	ST
16	Supporting staff	Vacant	Night - Guard					

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

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

:

1.7. Infrastructural Development:

A) Buildings

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

B) Vehicles

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

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Xerox Machine Canon	2006	1,00,000	Good
Camera (Digital)	2007	15,000	Good
TV with DVD	2007	15,000	Good
Generator Set	2009	49,500	Good

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

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

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

2. DETAILS OF DISTRICT (2007-08)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)				
S. No	Farming system/enterprise			
1.	Paddy, Maize Wheat, Mustard, Jute, Fruits ,Vegetable & Banana			
2.	Vermiculture			
3.	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 Plain)	High Temperature High Humidity Sandy
		to clay soil up land will low lying are,a
		Flood prone
0		

Source :- NARP

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

Source: - ATMA SREP

2.3 Soil type/s

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

2.4. Area, Production and Productivity of major crops cultivated in the district (2008-09)

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

Source :- D.A.O Statistics

2.5. Weather data

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

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

Category	Population	Production	Productivity
Cattle	3,10,806		
Crossbred	2,08,682		
Indigenous	1,32,055		
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			
Inland			
Prawn			
Scampi			
Shrimp			

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

			0				
SI.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas	
			Kumaripur	Banana	Look of high	Water lodging resistant/ tolerant	
4	Katibar	Monihori	Miapur	Boro Paddy,	Lack of high yielding var &		
1.	Katihar	tihar Manihari	Sohardangi	Oil Seeds	pest & diseases control	varieties of paddy	
			Borani	Maize	control		
		Hasanganj	Rampur, Hasanganj	Wheat, Paddy , Mize, Vegetables	INM & IPM lacking	Introduction of high yielding varieties of ground crops	
		Pranpur Mansahi	Mahadeo Nagar sangati Bari ,Marangi	Vegetables Maize, Jute,	u	Introduction of newly released jute varieties	
				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 – Oll seeds – Boropaddy Cropping 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 INM and IPM
11.	Development and Promotion of Agro based enterprises viz, apiculture, organic manure production, vermicompost, Makhana Processing, fishery,
	Banana based enterprises medicinal aromatic plants processing etc.
12.	Formation and functioning of SHG for the empowerment of women.
13.	Promotion and adoption of Integrated farming system for the district.
14.	Promotion of protected cultivation of vegetable and flowers

3. TECHNICAL ACHIEVEMENTS 3.1. A. Abstract of interventions undertaken

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

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

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

Title of on-farm trials - To select High yielding mustard verity in Boro Paddy Cropping System 1) 2) Problem diagnose

3) Details of technologies selected for assessment/refinement- Included varieties

4)́ Source of technology - RAU Pusa

Production system and thematic area 5)

Performance of the Technology with performance indicators 6)

Final recommendation for micro level situation 7)

8) Constraints identified and feedback for research

9) Process of farmers participation and their reaction

3.1.C. Results of On Farm Trials

Crop/ enterprise	Farmin g 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

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

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

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

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2009-10 (April to March) 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 tech	nnology
				No. of villages	No. of farmers	Area in ha
1.	Introducti on of Rajendra Suphlam	Late shown rai Varieties	Demonstration and seed supply	5	25	125
2.	Green gram	SML 668	Demonstration and seed supply	8	75	175

b. Details of FLDs implemented during 2008-09 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

SI No	Crop	Thematic Area	Technolo gy Demonst	Season and year	Area	a(ha)			f Farmers nonstratior		Reasons for shortfall in
			rated		Prop osed	Actu al	SC	ST	Others	Total	achievement
1	Paddy	Varietal evaluation	SATYA M	Kharif - 09	05 ha	05 ha	1	1	10	12	
2	Sesamum	Varietal evaluation	KRISH NA	Kharif - 09	05 ha	05 ha	2	1	7	10	
3											
4											
5											
6.											

Details of farming situation

Сгор	Season	Farming situation (RF/ Irrigated)	Soil type	Sta	tus of s	oil	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				Ν	Р	K			28.10.09		
Paddy	Kharif	Irrigated	Loamy				Wheat	20.5.09	01.10.09		
Sesmum	Kharif	Irrigated	Loamy				Wheat	22.709			

FLD Details

SI. No	Crop	Technology Demonstrated	Variety	No. of Farmers		Demo. Yield Qtl/ha			Yield of local	Increase in Yield	Data on parameter in relation to technology demonstrated	
		Demonstrated		1 anner 5	(114.)	н	L	Α	Check Qtl./ha	(%)	Demo	Local
1	2	3	4	5	6	7	8 9	10	11	12	13	
1.	Paddy	Variety	SATYAM	12	5	46.5	34.1	42.31	31.2	35.60		
2.	Sesam um	Variety	krishna	10	5	6.41	4.15	5.24	2.64	49.62		
3.												
4.												
5.												
6.							•					

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

Average Cost of cu (Rs./ha)	ltivation	Average Gross Ret (Rs./ha)	urn	Average Net Return (Rs./ha)	Average Net Return (Profit) (Rs./ha)		
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	 Ratio (Gross Return / Gross Cost) 	
14	15	16	17	18	19	20	

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

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Paddy	Kharif -09	Satyam (variety)	Irrigated	42.31	31.20	35.60
Sesamu m	Kharif -09	krishna (variety)	Irrigated	5.24	2.64	49.62

rechni	cal reeuback on the	demonstrated technologies
S.	Crop	Feed Back
No		
1	Sesmum	Desire for white variety cultivation
2	Paddy	Farmers wants submergence tolerant variety of paddy

Technical Feedback on the demonstrated technologies

Farmers' reactions on specific technologies

Redgram

3.

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

short duration variety resistant to pod borer

Extension and Training activities under FLD

SI.No.	Activity	ctivity No. of activities organized Da		Number of participants	Remarks
1	Field days	09		356	
2	Farmers Training	8		224	
3	Media coverage	7		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 relation technolo demonst	on to logy	% change in the parameter	Remarks

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

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

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

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

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

A) ON Campus

				N	o. of Pa	articipa	nts				
	NI f	Others			1	SC			ST		Gra
Thematic Area	No. of Courses	м	F	т	М	F	т	М	F	Т	nd Tot
(A) Farmers & Farm Women											al
I Crop Production	1					-					
-											
Weed Management	7	33	6	39	11	_	11	4	-	4	54
Resource Conservation Technologies	2	16	-	16	2	-	2	1	-	1	19
Cropping Systems	5	37	-	37	12	-	12	4	-	4	53
Crop Diversification	4	23	3	26	6	-	6	5	-	5	37
Integrated Farming	1	19	-	19	3	-	3	-	-	-	22
Water management	3	29	2	31	9	—	9	5	—	5	45
Seed production	6	33	-	33	5	-	5	4	-	4	42
Nursery management	9	44	9	53	19	3	22	10	1	11	86
Integrated Crop Management	6	22	2	24	9	-	9	11	-	11	44
Fodder production	1	16	1	17	-	-	-	-	-	-	17
Production of organic inputs	5	29	-	29	11	1	12	5	-	5	46
Others, if any											
II Horticulture											
a) Vegetable Crops			1			1	1		1		
Production of low volume and high value	0	44	~	4.4	<u> </u>		~	4		4	24
crops	2	11	2	14	6	-	6	4	-	4	24
Off-season vegetables	3	18	-	18	3	_	3	2	-	2	23
Nursery raising	4	22	2	24	9	_	9	7	_	7	40
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	4	21	2	23	-	-	-	2	-	2	25
Layout and Management of Orchards	4	23	-	23	7	7	7	7	-	7	37
Cultivation of Fruit	5	30	-	30	10	_	10	5	-	5	45
Management of young plants/orchards	4	31	-	31	7	1	8	5	-	5	44
Rejuvenation of old orchards	3	21	-	21	5	_	5	6	-	6	32
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others, if any	2	12	-	12	8	1	9	2	-	2	23
c) Ornamental Plants											
Nursery Management											
Management of potted plants						ļ			<u> </u>		
Export potential of ornamental plants			1						<u> </u>		
Propagation techniques of Ornamental											
Plants						ļ			<u> </u>		
Others, if any						ļ			<u> </u>		
d) Plantation crops					<u> </u>						
Production and Management technology											
Processing and value addition					<u> </u>						
Others, if any					<u> </u>						
e) Tuber crops	-		-	0.1	-		_	_	-		4.4
Production and Management technology	8	32	2	34	5	-	5	2		2	41
Processing and value addition								-	<u> </u>		
Others, if any			1					I	1		

f) Spices											
Production and Management technology	4	17	_	17	4	_	4	3	_	3	24
Processing and value addition		17					-				24
Others, if any											
g) Medicinal and Aromatic Plants					1						
Nursery management	2	41	_	41	7	_	7	1	_	1	49
Production and management technology	3	19	_	19	15	_	15	-	-	-	34
Post harvest technology and value		13		13	15		15	_	_		54
addition											
Others, if any					1						
III Soil Health and Fertility Management											
Soil fertility management	4	31	1	32	7	_	7		_	-	39
Soil and Water Conservation	3	18	4	22	5	_	5	3	_	3	39
Integrated Nutrient Management	8	44	2	46	9	-	9	3	-	3	57
Production and use of organic inputs	3	30	_	30	8	_	8	4	_	4	42
Management of Problematic soils	2	22	_	22	4	_	4	1	_	1	27
Micro nutrient deficiency in crops	10	38	2	40	8		8	1	_	1	49
Nutrient Use Efficiency	10		2	40	0		0	1	_		43
Soil and Water Testing											
Others, if any											
IV Livestock Production and											
Management											
Dairy Management											
Poultry Management											
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 Design and development of low/minimum											
cost diet											
Designing and development for high		-									
nutrient efficiency diet	1		23	-		2	2	-	-	-	25
Minimization of nutrient loss in processing	1	<u> </u>	9	9	_	7	7	_	-	-	16
Gender mainstreaming through SHGs	1	-	9	9	-	1	1	-	-	-	10
<u>0</u>	1		18	18		5	5		2	2	25
Storage loss minimization techniques	1		10	18 10		8	8		2	2	20
Income generation activities for	1		10	10	<u> </u>	U	0		4	4	20
empowerment of rural Women											
Location specific drudgery reduction		1			<u> </u>						
technologies											
Rural Crafts											
Women and child care					<u> </u>						
Others, if any											
VI Agril. Engineering											
Installation and maintenance of micro											
irrigation systems		-	ļ		ļ						
Use of Plastics in farming practices											
Production of small tools and implements		-	ļ		ļ						
Repair and maintenance of farm											
machinery and implements		-	ļ		ļ						
Small scale processing and value addition					ļ						
Post Harvest Technology											
Others, if any											
VII Plant Protection											
Integrated Pest Management	41	312	_	-	-	-	-	-	-	-	312
Integrated Disease Management	33	197	_	197	35	_	35	18		18	250
Integrated Disease Manayement	55	131	L —	131	55		55	10	I	10	200

Disconstant of months and disconstant	_	400	1	400					1		400
Bio-control of pests and diseases	5	100	-	100							100
Production of bio control agents and bio pesticides											
Others, if any											
VIII Fisheries											
		_									
Integrated fish farming	1	13	-	13	20	-	20	-	-	-	33
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 Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	18	27	_	27	41	3	44	17	_	17	88
Organic manures production	10	21		21							00
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											
Bee-keeping											
Integrated farming							ļ				
Seed production											
Production of organic inputs			<u> </u>		<u> </u>						
Integrated Farming											
Planting material production	A	04		04	4		4	A		A	20
Vermi-culture	4	31	-	31	4	—	4	4	-	4	39
Sericulture											
Protected cultivation of vegetable crops Commercial fruit production											
		1	1		1						

Piggery											
Quail farming											
Rabbit farming											
Poultry production											
Ornamental fisheries										-	
Para vets											
Para extension workers											
Composite fish culture		1	ł	-							
Freshwater prawn culture		1	ł	-							
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	14	46	3	49	13	_	13	6	-	6	68
Integrated Pest Management	11	38	-	38	8	_	8	3	-	3	49
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery											
and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet											
designing		-					_				
Production and use of organic inputs	3	23	-	23	5	-	5	4	-	4	32
Gender mainstreaming through SHGs											
Any other (PI. Specify) TOTAL	255										

(b) **OFF** Campus

	No. of Others SC ST										
Thematic Area	Courses	Others		–		SC	-		ST	-	Grand
(A) Farmers & Farm Women		M	F	Т	М	F	Т	М	F	Т	Total
I Crop Production											
•	7	26	6	40	12		12	0		0	60
Weed Management Resource Conservation Technologies	4	36 19	6	42 20	8	-	8	8	-	8 4	62 32
Cropping Systems	5	20	1	20	6	-	6	4 5	-	5	32
Crop Diversification	6	21	-	21	6	-	6	3	-	3	30
Integrated Farming	5	35	-	35	11	-	11	9	-	9	55
Water management	7	36	-	36	8	-	8	6	-	6	50
Seed production	7	42	-	42	13	-	13	9	-	9	62
Nursery management	4	28	-	28	9	-	9	6	-	6	43
Integrated Crop Management Fodder production	6 6	32 38	-	32 38	10 6	-	10 6	8 6	-	8 6	50 48
Production of organic inputs	7	43	-	43	10	-	10	5	-	5	58
Others, if any	,			-10	10		10				
II Horticulture											
a) Vegetable Crops											
Production of low volume and high	9	41	Ι.	41	6		6	_	-	_	47
value crops	-		-		-	<u> </u>	_		-		
Off-season vegetables	8	46	-	46	5	-	5	4	-	4	54
Nursery raising	2	19	-	19	11	-	11	5	-	5	35
Exotic vegetables like Broccoli Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses,					-		_			_	
Shade Net etc.)	4	39	-	39	6	-	6	4	-	4	49
Others, if any											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards	4	24	-	24	5	-	5	4	-	4	33
Cultivation of Fruit	5	33	-	33	4	-	4	5	-	5	42
Management of young plants/orchards Rejuvenation of old orchards	8	39 31	-	39 31	10	-	10	4	-	4	50 48
Export potential fruits	2	51	-	51	10	-	10		-	· '	40
Micro irrigation systems of orchards	3	18	-	18	4	-	4	2	-	2	24
Plant propagation techniques	6	41	-	41	10	-	10	8	-	8	59
Others, if any											
c) Ornamental Plants											
Nursery Management	2	33	-	33	7	-	7	5	-	5	45
Management of potted plants											
Export potential of ornamental plants Propagation techniques of Ornamental											
Plants											
Others, if any											
d) Plantation crops											
Production and Management	4	33	_	33	9	_	9	7	-	7	49
technology	4	- 33	-	- 33	9	-	9	1	-	1	49
Processing and value addition											
Others, if any											
e) Tuber crops Production and Management											
technology	6	44	-	44	16	-	16	3	-	3	63
Processing and value addition		1									
Others, if any			İ		1	İ					
f) Spices											
Production and Management	4	39	-	39	12	-	12	7	-	7	58
technology						_					
Processing and value addition	2	33	2	35	8	3.	11	3	-	3	49
Others, if any			I		1	I					

g) Medicinal and Aromatic Plants											
Nursery management	5	31	-	31	9	-	9	7	-	7	47
Production and management							-	-	-		
technology	7	33	-	33	5	3	8	11	-	11	54
Post harvest technology and value	+										L
addition	2	17	-	17	5	-	5	3	-	3	25
Others, if any											
Ill Soil Health and Fertility											
Management											
Soil fertility management	5	21		21	10		10	0		0	40
Soil and Water Conservation	5	31 19	-	31 19	10 7	-	10 7	8	-	8 4	49 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		40		40	-		-				07
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		ļ	ļ		ļ	ļ	ļ				
Others, if any			ļ								
IV Livestock Production and											
Management											
Dairy Management											
Poultry Management											
Piggery Management			<u> </u>		<u> </u>						
Rabbit Management											
Disease Management	-										
Feed management											
Production of quality animal products			ļ		ļ						
Others, if any		ļ	ļ								
V Home Science/Women											
empowerment											
-											
Household food security by kitchen	1	_	18	18	_	9	9	_	3	3	30
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											
Gender mainstreaming through SHGs			04	04		40	40		~	~	20
Storage loss minimization techniques	2	-	24	24	-	10	10	_	5	5	39
Value addition	2		28	28		12	12		2	2	42
Income generation activities for											
empowerment of rural Women			<u> </u>		<u> </u>						
Location specific drudgery reduction											
technologies Rural Crafts											
	4		04	04		4	4		0	0	00
Women and child care	1		21	21		4	4		3	3	28
Others, if any											
VI Agril. Engineering											
Installation and maintenance of micro											
irrigation systems											
Use of Plastics in farming practices											
Production of small tools and	1	1									
implements											
Repair and maintenance of farm											
machinery and implements											
Small scale processing and value	1	1	1		1						
addition											
Post Harvest Technology	1	1									
Others, if any		1	1		1	1	1	1			
VII Plant Protection		1	1								
Integrated Pest Management											

Integrated Diacons Management	00	00		00	40		10	40		40	440
Integrated Disease Management	22	80 75	-	80 75	19 16	_	19 16	13 8	-	13	<u>112</u> 99
Bio-control of pests and diseases Production of bio control agents and	24	15	-	75	01	_	01	Ø	-	8	99
bio pesticides											
Others, if any		+			+						
VIII Fisheries					+						
Integrated fish farming											
Carp breeding and hatchery											
management		_			-						
Carp fry and fingerling rearing	3	19	-	19	4	-	4	-	-	_	23
Composite fish culture	8	38	-	38	5	-	5	4	-	4	47
Hatchery management and culture of											
freshwater prawn		-			-						
Breeding and culture of ornamental											
fishes											
Portable plastic carp hatchery Pen culture of fish and prawn											
Shrimp farming Edible oyster farming					+						
Pearl culture		-			+						
Fish processing and value addition		+			1						
Others, if any		+			1						
IX Production of Inputs at site											
Seed Production	4	24	_	24	8	_	8	4	_	4	36
Planting material production	-				-		-	-			
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	3	35	_	35	15	_	15	8	_	8	58
Organic manures production	8	40	_	40	15	_	15	8	-	8	63
Production of fry and fingerlings											
Production of Bee-colonies and wax											
sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Others, if any											
X Capacity Building and Group											
Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs					<u> </u>						
Mobilization of social capital				<u> </u>	<u> </u>						
Entrepreneurial development of		1									
farmers/youths WTO and IPR issues											
Others, if any		+			+						
XI Agro-forestry		+			1						
Production technologies											
Nursery management											
Integrated Farming Systems					<u> </u>						
XII Others (PI. Specify)											
TOTAL					<u> </u>						
(B) RURAL YOUTH											
Mushroom Production	5	35	6	41	15	_	15	8	-	8	64
Bee-keeping	6	40	-	40	12	_	12	7	-	7	59
Integrated farming		50		=0	4 -		45	_		~	- 1
Seed production	8	50	_	50	15	-	15	6	-	6	71
Production of organic inputs	7	42	-	42	14	—	14	9	-	9	65
Integrated Farming											
Planting material production		05		05	-		0			0	25
Vermi-culture	5	25	-	25	8	—	8	2	-	2	35

Contention			1		1	1	1	1			
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture	6	41	2	43	9	_	9	7	_	7	59
crops	0	- 1	2		3		3	'		'	55
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			1		1		1				
Para extension workers		1	<u> </u>		<u> </u>		<u> </u>				
Composite fish culture											
Freshwater prawn culture		+	<u> </u>		<u> </u>		<u> </u>				
Shrimp farming											
Pearl culture			<u> </u>		<u> </u>		<u> </u>				
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	15	75	-	75	18	—	18	12	-	12	107
Integrated Pest Management	15	73	-	73	18	—	18	12	-	12	103
Integrated Nutrient management	4	33	-	33	6	-	6	-	-	-	39
Rejuvenation of old orchards	5	33	-	33	9	_	9	3	-	3	45
Protected cultivation technology											
Formation and Management of SHGs	9	44	12	56	12	2	14	7	1	8	78
Group Dynamics and farmers				50	40			_			77
organization	6	31	22	53	19	1	20	3	1	4	77
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm											
machinery and implements											
WTO and IPR issues		1	1		1	1	1	1			
Management in farm animals		1	1		1	1	1	1			
Livestock feed and fodder production											
Household food security											
Women and Child care			1		1		1				
Low cost and nutrient efficient diet			1		1		1				
designing											
Composite fish culture		+	<u> </u>		<u> </u>		<u> </u>				
Production and use of organic inputs	12	64	_	64	14	_	14	9	_	9	87
Gender mainstreaming through SHGs	12	04	<u> </u>	04	14	_	14	3		3	07
Any other (Pl. Specify)			<u> </u>		<u> </u>		<u> </u>				
TOTAL											
	405	1921	143	2144	526	44	579	316	15	331	3033
	403										

C) Consolidated table (ON and OFF Campus)

				Ν	lo. of P	articipa	ants				
Thematic Area	No. of Courses	Others				SC			ST		Grand Total
	Courses	М	F	Т	М	F	Т	М	F	Т	TOLAI
(A) Farmers & Farm Women				•							
I Crop Production											
Weed Management	14	69	12	81	23	-	23	19	-	19	123
Resource Conservation Technologies	6	35	1	36	10	-	10	5	-	5	51
Cropping Systems	6	57	1	58	18	-	18	9	-	9	85
Crop Diversification	10	44	3	47	12	-	12	8	-	8	57
Integrated Farming	6	44	-	44	14	-	14	-	-	-	58
Water management	10	63	2	65	17	-	17	11	-	11	93
Seed production	13	75	-	75	18	-	18	13	-	13	106
Nursery management	13	72	9	81	28	-	28	16	1	17	126
Integrated Crop Management	12	54	2	56	19	-	19	19	-	19	94
Fodder production	7	72	-	74	11	-	11	10	-	10	95
Production of organic inputs Others, if any											
Il Horticulture											
a) Vegetable Crops	1	1			1	1	1	1	1	,	
Production of low volume and high value crops	11	52	2	54	12	-	12	4	-	4	70
Off-season vegetables	11	64	-	64	8	_	8	6	-	6	78
Nursery raising	6	41	2	43	28	_	28	12	-	12	83
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses,	4	39	-	39	6	-	6	4	_	4	49
Shade Net etc.)	-	- 55	_	- 55	0	_	0	-	_	-	
Others, if any											
b) Fruits		47		47	-	1	-				05
Training and Pruning	8	17	_	17	5 16	_	5 16	3 14	-	3 14	25 90
Layout and Management of Orchards Cultivation of Fruit	9 13	60 78	_	60 78	20	_	20	14	_	14	112
Management of young plants/orchards	6	76	_	78	16	-	16	14	-	14	105
Rejuvenation of old orchards	6	74	-	74	20	-	20	19	-	19	117
Export potential fruits	0	10		70	20	_	20	13	_	13	117
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											0.
c) Ornamental Plants											
Nursery Management	2	33	-	33	7	-	7	5	-	5	45
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others, if any											
d) Plantation crops	I	1			1	1	1	1	1		
Production and Management	4	33	-	33	9	-	9	7	-	7	49
technology Processing and value addition								-	-	-	
Others, if any											
e) Tuber crops					I						
Production and Management	[_	1.						_
technology	14	71	2	73	17	-	17		-	-	90
Processing and value addition									1		
Others, if any	1				1						
f) Spices	•							•	•		
Production and Management	17	75	-	75	23	-	23	18	-	18	116
technology Processing and value addition	2	33	2	35	8	3	11	3	_	3	49
I TOUESSING AND VAIUE AUDITION	۷	55	2	55	0	5		3		3	43

Others if any											
Others, if any g) Medicinal and Aromatic Plants											
Nursery management	7	72	-	72	16	-	16	8	-	8	96
Production and management	/		-		10		-		-	0	90
technology	10	52	-	52	20	3	23	11	-	11	86
Post harvest technology and value addition	2	17	-	17	5	-	5	3	-	3	25
Others, if any											
III Soil Health and Fertility Manageme	ent			1				1	1		
Soil fertility management	9	62	-	77	31	-	31	16	-	16	124
Soil and Water Conservation	6	37	-	37	11	-	11	7	-	7	55
Integrated Nutrient Management	15	84	-	84	20	-	20	15	-	15	119
Production and use of organic inputs	9	65	-	65	16	-	16	12	-	12	93
Management of Problematic soils	2	22	-	22	4	-	4	1	-	1	27
Micro nutrient deficiency in crops	13	38	-	38	8	-	8	5	-	5	46
Nutrient Use Efficiency	13	55	2	57	18	-	18	6	-	6	81
Soil and Water Testing											
Others, if any											
IV Livestock Production and Manage	ment										
Dairy Management											
Poultry Management											
Piggery Management					1						
Rabbit Management											
Disease Management											
Feed management					1						
Production of quality animal products											
Others, if any											
V Home Science/Women empowerme	ent		•								
Household food security by kitchen	1		18	18	_	9	9		3	3	30
gardening and nutrition gardening	I	-	10	10	-	9	9		3	3	30
Design and development of											
low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1	-	23	23	-	2	2		-	-	25
Minimization of nutrient loss in	_					_	_				
processing	1	-	9	9	-	7	7	-	-	-	16
Gender mainstreaming through SHGs											
Storage loss minimization techniques	3	-	42	42	-	23	23	-	2	2	67
Value addition	3	-	38	38	-	20	20	_	4	4	62
Income generation activities for											
empowerment of rural Women											
Location specific drudgery reduction											
technologies											
Rural Crafts											
Women and child care	1	-	21	21	-	4	4	_	3	3	28
Others, if any											
VI Agril. Engineering											
Installation and maintenance of micro											
irrigation systems											
Use of Plastics in farming practices Production of small tools and											
		1	1		+						
implements								I	1		
implements Repair and maintenance of farm											
implements Repair and maintenance of farm machinery and implements											
implements Repair and maintenance of farm machinery and implements Small scale processing and value											
implements Repair and maintenance of farm machinery and implements Small scale processing and value addition											
implements Repair and maintenance of farm machinery and implements Small scale processing and value addition Post Harvest Technology											
implements Repair and maintenance of farm machinery and implements Small scale processing and value addition											
implements Repair and maintenance of farm machinery and implements Small scale processing and value addition Post Harvest Technology Others, if any VII Plant Protection	78	522		522		-		-	-	-	522
implements Repair and maintenance of farm machinery and implements Small scale processing and value addition Post Harvest Technology Others, if any	78 55	522 277	- -	522	64	- -	- 64	 		- 31	<u>522</u> 372

Production of bio control agents and bio pesticides											
Others, if any											
VIII Fisheries			•								
Integrated fish farming	1	13	-	13	20	-	20	-	-	-	33
Carp breeding and hatchery management											
Carp fry and fingerling rearing	3	19	_	19	4	_	4	-	_	-	23
Composite fish culture	8	38	_	38	5	-	5	4	-	4	47
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition Others, if any											
IX Production of Inputs at site											
Seed Production	4	24	-	24	8	-	8	4	-	4	36
Planting material production	-	1	1				-				
Bio-agents production			1		1	1	1	1	1		
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	21	62	-	62	56	3	59	32	8	40	161
Organic manures production	8	40	-	40	1	-	1	8	-	8	49
Production of fry and fingerlings											
Production of Bee-colonies and wax											
sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed					-						
Others, if any	•										
X Capacity Building and Group Dynam	NICS	1	1								
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		1	1								
XI Agro-forestry		I	1		1	1	1	1	1	1	
Production technologies											
Nursery management		1	İ		1						
Integrated Farming Systems XII Others (PI. Specify)											
		1	1	1	1	1					
(B) RURAL YOUTH	-	25		A A	45		45	0		0	C 4
Mushroom Production	5 5	35 40	6	41 40	15 12	-	15 12	8	-	8 7	64
Bee-keeping Integrated farming	Э	40	-	40	12	-	12	1	-	1	59
Seed production	8	50	-	50	15	-	15	6	-	6	71
Production of organic inputs	0 7	42	-	 	15	-	15	9	-	9	65
Integrated Farming	I	42	-	42	14	-	14	3	-	3	00
Planting material production	1			ļ							
Vermi-culture	8	56	-	56	12	-	12	6	-	6	74
Sericulture	0		1		12		14			0	17
Protected cultivation of vegetable					1						
crops											
	î	•	•								

Commercial fruit production								1			
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture	6	41	2	43	9	-	9	7	-	7	49
crops				-	-		_				
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Para vets											
Para extension workers											
Composite fish culture											
Freshwater prawn culture								1			
Shrimp farming					-						
Pearl culture	·	1			1			-			
Cold water fisheries								<u> </u>			
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	29	121	3	124	67	13	80	18	-	18	222
Integrated Pest Management	26	103	-	103	26	-	26	15	-	15	144
Integrated Nutrient management	4	33	-	33	6	-	6	-	-	-	39
Rejuvenation of old orchards	5	33	-	33	9	-	9	3	-	3	45
Protected cultivation technology											
Formation and Management of SHGs	9	44	12	56	12	2	14	7	1	8	78
Group Dynamics and farmers	<u>^</u>	~ ~ ~		F 0				_	4		77
organization	6	31	22	53	19	1	20	3	1	4	77
Information networking among farmers											
Capacity building for ICT application		1									
Care and maintenance of farm	·	1	1		1	1	1	1	1	1	
machinery and implements	1										
WTO and IPR issues	·	1	1		1	1	1	1	1	1	
Management in farm animals								1			
Livestock feed and fodder production								1			
Household food security		1			1			<u> </u>			
Women and Child care					-						
Low cost and nutrient efficient diet	·	1			1						
	1										
designing Production and use of organic inputs	15	07		87	10		19	10		10	104
	10	87	-	0/	19	-	19	18	-	18	124
Gender mainstreaming through SHGs											
Any other (Pl. Specify)	000	0.000	047	0.400	000		0.10	475		40.4	50.10
TOTAL	660	3490	317	3482	866	82	949	475	20	484	5240

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

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

Date	Cliente le	Title of the training programme	Dura tion in	Venue (Off / On		mbe ticipa		Nu	imbe SC	r of		umb of S		Tot al
			days	Campus)	Ň	F	Т	Μ	F	Т	Μ	F	Т	
		Insect pest and disease management in Rabi crop.	2	ON	28		28	3		3	1		1	32
		Soil pest management in Rabi crop	2	OFF	23		23	4		4	1		1	28
		Insect and disease management in Rabi oilseed crop.	3	OFF	21		21	2		2	3		3	36
		Insect and disease management in Rabi maize	2	OFF	21		21	7		7	2		2	30
		Insect, pest & disease management in Mango& litchi	2	OFF	26		26	6		6	3		3	35
		Stem borer & hopper management in Boro paddy	1	OFF	19		19	2		2	1		1	22
		Insect pest management in cucurbits	3	ON	27		27	2		2	1		1	30
		Insect & disease management in Summer vegetable	3	OFF	23		23	2		2	1		1	26
		Insect pest management in summer cucurbites	2	ON	22		22	4		4	2		2	28
		Insect pest & disease management in summer crop	3	OFF	20		20	3		3	2		2	25
		Insect pest management in summer vegetable	3	ON	17		17	3		3	2		2	22
		Insect management in summer maize	3	OFF	22		22	1		1	2		2	25
		Insect pest and disease management in summer Bhindi	1	ON	29		29	2		2	1		1	32
		Insect pest and disease management in jute	2	ON	17		17	6		6	3		3	26
		Insect & disease management in jute	2	OFF	20		20	2		2	2		2	24
		Insect pest & disease management in kharif paddy	2	ON	35		35	4		4	-		-	39
		Insect pest of storage of Rabi grains & their management	1	OFF	24		24	3		3	2		2	29
		Composite fish culture	6	ON	39	—	39	11	—	11	9	_	9	59

Date	Cliente le	Title of the training programme	Dura tion in	Venue (Off / On		mbe ticip		Nu	imbe SC	r of		umb of S		Tot al
			days	Campus)	Ň	F	Т	Μ	F	Т	Μ	F	Т	
		Integration of fish culture with rice, duck, pig & poultry	4	OFF	20		20	3		3	2		2	25
		Nursery and fea rearing pond management of Indian Major Carps and Enatic Carps	4	ON	20		20	3		3	2		2	25
		Insect pest & disease management in potato crop	3	ON	22		22	2		2	2		2	26
	Rural Youth	Scientific cultivation of wheat crop	2	OFF	20		20	3		3	2		2	25
		scientific cultivation of pulses & oilseed	2	ON	25		25	3		3	2		2	30
		scientific cultivation of Boro paddy	2	OFF	25		25	3		3	2		2	30
		Improved cultivation of summer crop	2	ON	26		26	3		3	3		3	32
		scientific cultivation of jute	1	ON	20		20	2		2	2		2	24
		scientific cultivation of paddy & maize	1	OFF	22		22	2		2	2		2	26
		Recent technology for jute retting for quality to fiber production	1	ON	27		27	5		5	2		2	34
		Recent advances for paddy cultivation	2	OFF	25		25	3		3	2		2	30
		Inscent pest & Disease management in Rabi vegetable	2	ON	50		50	3		3	2		2	57
		Insect pest & disease management in nursery & orchasd	1	OFF	25		25	3		3	2		2	30
		Insect pest & disease management in summer vegetable	2	ON	25		25	3		3	2		2	30
		Insect pest & disease management of Boro paddy	3	OFF	33		33	5		5	3		3	41
		Insect pest & disease management of fruit plants	2	ON	20		20	3		3	2		2	25
		Insect pest management in cucurbits & oal	2	OFF	25		25	3		3	2		2	30
		Insect pest management in summer vegetable	2	ON	25		25	3		3	2		2	30

Date	Cliente le	Title of the training programme	Durati on in days	Venue (Off / On		mbe ticip		Number of SC			Number of ST			Total
			uuyo	Campus)	M	F	Т	Μ	F	Т	Μ	F	Т	
		Insect pest & disease management in jute crop	1	OFF	20		20	3		3	2		2	25
		Insect pest management in rainy rearon vegetables	1	ON	20		20	3		3	2		2	25
		Insect pest & disease management of jute	2	ON	22		22	2		2	2		2	26
		Insect pest & disease management in rainy vegetables	2	OFF	20		20	3		3	2		2	25
	Extensi on	Improve cultivation of Rabi crop	2	ON	25		25	3		3	2		2	30
	functio naries	Scientific cultivation of rabi crop	1	OFF	25		25	3		3	2		2	30
		Scientific cultivation of pulses & oilseed production	3	ON	26		26	3		3	3		3	32
		Recent advances for cultivation of Boro paddy	2	ON	20		20	2		2	2		2	24
		Scientific cultivation of summer crop	2	OFF	22		22	2		2	2		2	26
		Scientific cultivation of kharif crop	2	ON	27		27	5		5	2		2	34
		Scientific cultivation of kharif crop	1	OFF	25		25	3		3	2		2	30
		Recent advance for insect pest management in rabi crops	3	ON	50		50	3		3	2		2	55
		Insect & disease management in rabi vegetables	3	OFF	25		25	3		3	2		2	30
		Recent advances for insect pest management in rabi vagetable	3	ON	25		25	3		3	2		2	30
		Insect & disease management in fruit plant	1	OFF	33		33	5		5	3		3	41
		Recent advances for insect pest management in summer vegetables	2	ON	50		50	3		3	2		2	57
		Recent advance of insect pest management in rainy vegetables	3	OFF	21		21	3		3	1		1	26
		Insect pest & disease management in new orchasd	1	ON	24		24	3		3	1		1	29

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	ldentified Thrust Area	Training title*	Duration (days)	No.			of Participants Self employed after train		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 organic fertilizers and pesticides	Six days	25	-	25	Vermi comp ost	10	20	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

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

Nature of Extension	No. of		Farmers		Exte	ension Offi	cials		Total	
Activity	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	31	610	19	629	16	-	16	626	19	648
Kisan Mela	4	many			-					
Kisan Ghosthi	18	460	_	460	9	_	9	469	_	469
Exhibition										
Film Show										
Method										
Demonstrations										
Farmers Seminar										
Workshop	4	62	2					62	2	64
Group meetings										
Lectures delivered as										
resource persons										
Newspaper coverage	39									
Radio talks	31									
TV talks	63									
Popular articles	-									
Extension Literature	2									
Advisory Services	390									
Scientific visit to	44									
farmers field										
Farmers visit to KVK		471	67	538	40		40	511	67	578
Diagnostic visits	5									
Exposure visits										
Ex-trainees										
Sammelan										
Soil health Camp	1									
Animal Health Camp	1									
Agri mobile clinic										
Soil test campaigns										
Farm Science Club										
Conveners meet										
Self Help Group										
Conveners meetings										
Mahila Mandals										
Conveners meetings		ļ								
Celebration of	6									
important days										
(specify)										
Any Other (Specify)										
Total										

3.4. Extension Activities (including activities of FLD programmes)

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

Crop	Variety	Quantity (qtl.)		Described to No. of Formore
			value (Rs.)	Provided to No. of Farmers
Paddy				
Mustard	RAUTS -	0.25		13
	17			
Green Gram	Pusa Vishal	1.75		13
	Paddy	Paddy Mustard RAUTS - 17 Green Gram Pusa	Paddy Mustard RAUTS - 0.25 17 Green Gram Pusa 1.75	Paddy Value (Rs.) Mustard RAUTS - 0.25 17 0.25

VEGETABLES Okra -

FLOWER CROPS

OTHERS (Specify)

SI. No.	Сгор	Quantity (qtl.)	Value (Rs.)	Provided to No. of
				Farmers
1				
2	OILSEEDS – Mustard	0.25		13
3	PULSES – Pusa Vishal	1.75		13
4	VEGETABLES -			
5	FLOWER CROPS			
6	OTHERS Okra –			

B. SEED MATERIALS PRODUCED THROUGH VILLAGE SEED PRODUCTION PROGRAMME

SI. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS					
0.1.05500					
OILSEEDS					
PULSES					
VEGETABLES					
VEGETABLES					
FLOWER CROPS					

PLANTING MATERIALS

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

SUMMARY

SI. No.	Сгор	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

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

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

	SUMMARY						
<u></u>	5 1 / 11	a :	Qua	Intity		Provided to	
SI. No.	Product Name	Species	No	(kg)	Value (Rs.)	No. of Farmers	
1	BIOAGENTS						
2	BIO	R. culture	200	3.00		200	
2	FERTILIZERS	Azotobacter	100	1.25	-	100	
3	BIO PESTICIDE						
	TOTAL						

LIVESTOCK

SI. No.			antity	Value (Rs.)	Provided to No. of Farmers	
			(Nos	Kgs	_	
Cattle						
SHEEP AND GOAT						
POULTRY						
FISHERIES						

SUMMARY							
Others (Specify)							

SI. No.		Type Breed	Qua	ntity		Provided to No. of Farmers
	Туре		Nos	Kgs	Value (Rs.)	
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			
Extension literature			
TOTAL			

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

(C) Details of Electronic Media Produced

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

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

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

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

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

3.11 **Field activities**

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

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

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

	SI. No	Name of the Equipment	Qty.	Cost
	1			
	2			
	3			
	Total			
3.	Details of sa	amples 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 (Rs./Unit)	After (Rs./Unit)	
SML 668	75	90%	2500/- Unit	4000/- Unit	
RAUTS – 17	125	95%	3500/- Unit	4500/- Unit	

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption (Please furnish detailed information for each case)

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

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of Organization	Nature of Linkage.
1. DAO, Katihar.	HRD & joint programme like workshop
2. DHO, Katihar.	krishak gosthi, field day, P.f training,
	seminar etc.
3. IFFCO, Katihar.	- do -
4. Krivco, Katihar	- do -
5. NABARD, Katihar	- do -
6. Jute Dev. Office, Katihar.	- do -
7. DAO, Purnea.	- do -
8. Sugarcane Deapertment, Purnea	- do -
9. DHO, Purnea.	-do -
10. ATMA, Katihar	-do
11. NGO, Katihar	-do -
12. JDA(Jute), Purnia	-do-
13. AIR, Purnea	-do-
14. ETV, Hayderabad	-do-

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

5.2 List of special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

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

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
1.		Imparting training	area
2.	Formation of SHG		Formation based on Specific
Ζ.			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	
4.	Training on Beekeeping	Imparting Training	

5.5 Nature of linkage with National Fisheries Development Board

S. No. Programme		Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

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

6.2 Performance of instructional farm (Crops) including seed production

Nam e Of the crop	Date of sowing	Date of (Pate of	Details	s of producti	on	Amour	nt (Rs.)	Demerica	
		harvest	harvest	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Planta	ation crops		I						
Floriculture									
Fruits									
Vegetables									
Others (specify	Others (specify)								

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

SI.	Name of the	0	Amount (Rs.)			
No.	Product	Qty	Cost of inputs	Gross income	Remarks	

6.4 Performance of instructional farm (livestock and fisheries production)

	Name	Details of production			Amour		
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 2009			Electricity
November 2009			Connection
December 2009			Water Supply
January 2010			Sanitary Fitting
February 2010			Lacking
March 2010			

(for whole of the year)

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

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

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

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

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

		1 uises [N3.	III Lakiis)		
ltem	Released	d by ICAR	Expenditure		Unspent
	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	balance as on 1 st April 2007
Inputs					
Extension activities	Send Sepre	Send Sepretarly			
TA/DA/POL etc.					
TOTAL					

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

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

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

S.No	Particulars	Sanctioned	Released	Expenditure	
A. Recurring Contingencies					
1	Pay & Allowances				
2	Traveling allowances				
3	Contingencies				
Α	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				
С	Meals/refreshment for trainees (ceiling upto				
	Rs.40/day/trainee be maintained)				
D	Training material (posters, charts, demonstration				
	material including chemicals etc. required for				
E	conducting the training) Frontline demonstration except oilseeds and pulses				
Ľ	(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 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (2+3-4)
1	2	3	4	5
April 2004 to March 2005	0.0	189545/-	96851/-	92694/-
April 2005 to March 2006	92694/-	112842.57	150450/-	55087/-
April 2006 to March 2007	55087.49	128361/-	111466/-	71982.49
April 2007 to March 2008	71982.49	106023/-	73420/-	104585.49
April 2008 to March 2009	104585.49	51036/-	90840/-	64781.49
April 2009 to March 2010	64781.49	238391/-	165698/-	137474.49

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.

- 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, Jute seed drill, jute decorticator and retting tank.

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	01003				сторз	01003	
Evaluation	Tauuy	um	gram							
Seed / Plant		um	gram							
production										
Weed										
Management										
Integrated										
Crop										
Management										
Integrated	Paddy									
Nutrient	maize									
Management	oilsee									
genera	ds									
Integrated		adopted IFS	in the distric	t depending on	land situation	1			1	
Farming		•		1 0						
System										
Mushroom	2 farmers a	adopted the	enterprise as	s commercial ba	asis					
cultivation		·								
Drudgery										
reduction										
Farm										
machineries										
Value addition										
Integrated										
Pest										
Management										
Integrated										
Disease										
Management										
Resource										
conservation										
technology										
Small Scale										
income										
generating										
enterprises										
TOTAL										

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

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

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

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

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

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

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

Table – 1 E	Details of technology refined
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Crop /	Technology	No. replications	Technology	Result justifying
Enterprise	Assessed		refined	the refinement

2. Details of Frontline Demonstrations

Table – 2 A Front Line Demonstrations on Oilseed Crops

Crop	Technology Demonstrate d	No. of Farm ers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on pa relation to t demone Demo	echnology	Average Net Return (Profit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
_							Demo	LUCAI	(Rs./ha)	Gloss Cost)
Seamum Kharif	Varieties evaluation	10	5	5.24	2.64	2.6				
Paddy	Varieties evaluation	12	5	42.31	31.2	11.11				

Table – 2 B Front Line Demonstrations on Pulse Crops

Сгор	Technology Demonstrat ed	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on pa relation to demon	technology strated	Average Net Return (Profit)	Benefit-Cost Ratio (Gross Return /
	•••					(,,,,)	Demo	Local	(Rs./ha)	Gross Cost)
Red Gram / Kharif	Varieties evaluation									
Lentil (Rabi)	Varieties evaluation									
Green Gram (Summer)	Varieties evaluation									

Table – 2 C Front Line Demonstrations on Other Crops

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

Table – 2 D Front Line Demonstrations on Other enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Size of Unit	Parameter indicators	Data parame relatio techno demons Demon.	eter in on to ology	% change in the parameter	Remarks

3. Details of training programmes conducted:

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

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

Integrated Crop Management	12	54	2	56	19	-	19	19	-	19	94
Fodder production	7	54 72	-		19	-	19	19		19	94
Production of organic inputs	1	12	-	/ 4		-		10	<u> </u>	10	30
Others, if any											
II Horticulture					I			I			
a) Vegetable Crops	1		r			1	r	1	r	г г	
Production of low volume and high	11	52	2	54	12	-	12	4	-	4	70
value crops		_						-			-
Off-season vegetables	11	64	-	64	8	-	8	6	-	6	78
Nursery raising	6	41	2	43	28	-	28	12	-	12	83
Exotic vegetables like Broccoli											
Export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses,	4	39	-	39	6	-	6	4	-	4	49
Shade Net etc.)	-				-		-	-		-	
Others, if any											
b) Fruits			1		-	1		-	r		
Training and Pruning	8	17	-	17	5	-	5	3	-	3	25
Layout and Management of Orchards	9	60	-	60	16	-	16	14		14	90
Cultivation of Fruit	13	78	-	78	20	-	20	14		14	112
Management of young plants/orchards	6	74	-	74	16	-	16	15	-	15	105
Rejuvenation of old orchards	6	78	-	78	20	-	20	19	-	19	117
Export potential fruits											
Micro irrigation systems of orchards	3	17	-	17	4	-	4	3	-	3	24
Plant propagation techniques	8	56	-	56	14	-	14	11	-	11	81
Others, if any											
c) Ornamental Plants	1	1		1							
Nursery Management	2	33	-	33	7	-	7	5	-	5	45
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental											
Plants											
Others, if any											
d) Plantation crops	1	1	r	1		1	r	1	r	г г	
Production and Management	4	33	-	33	9	-	9	7	-	7	49
technology											-
Processing and value addition											
Others, if any											
e) Tuber crops	1	1	1	1	1	1	1	1	1	1 1	
Production and Management	14	71	2	73	17	-	17		-	-	90
technology							-				
Processing and value addition											
Others, if any											
f) Spices		1	r		1	1	r		r –	r r	
Production and Management	17	75	-	75	23	-	23	18	-	18	116
technology						2					
Processing and value addition	2	33	2	35	8	3	11	3	-	3	49
Others, if any g) Medicinal and Aromatic Plants					1		I				
	7	70	1	70	16		10	0	1	0	06
Nursery management	7	72	-	72	16	-	16	8	-	8	96
Production and management	10	52	-	52	20	3	23	11	-	11	86
technology Post harvest technology and value		<u> </u>									
addition	2	17	-	17	5	-	5	3	-	3	25
Others, if any	+	ł									
III Soil Health and Fertility Manageme	l	1	L	1	1		L		L		
	9	62	1	77	24	-	24	16	1	16	124
Soil fertility management Soil and Water Conservation	9 6	37	-	77 37	31 11	-	31 11	16 7	-	16 7	55
Integrated Nutrient Management	15	84	-	84	20	-	20	15	-	15	119
Production and use of organic inputs	9	65	-	65	16	-	16	12	-	12	93
Management of Problematic soils	2 13	22	-	22	4	-	4	1	-	1 5	27
Micro nutrient deficiency in crops		38	- 2	38 57	8 18	-	8 18	5 6	-	5	<u>46</u> 81
Nutriant Llos Efficiency											81
Nutrient Use Efficiency Soil and Water Testing	13	55	2	57	10	-	10	0	-	0	01

Others if any	1			r	r				1		
Others, if any IV Livestock Production and Manager	nent										
			. <u> </u>	1	1	1	r	1	1		
Dairy Management					-						
Poultry Management					-						
Piggery Management											
Rabbit Management Disease Management											
Feed management Production of quality animal products											
Others, if any											
V Home Science/Women empowerme	nt							I		l	
	 T		1	1	-			1	1		
Household food security by kitchen gardening and nutrition gardening	1	-	18	18	-	9	9		3	3	30
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1	-	23	23	-	2	2		-	-	25
Minimization of nutrient loss in						-	-				10
processing	1	_	9	9	-	7	7	-	-	-	16
Gender mainstreaming through SHGs											
Storage loss minimization techniques	3	-	42	42	-	23	23	-	2	2	67
Value addition	3	-	38	38	-	20	20	—	4	4	62
Income generation activities for											
empowerment of rural Women Location specific drudgery reduction											
technologies											
Rural Crafts											
Women and child care	1	-	21	21	-	4	4	-	3	3	28
Others, if any											
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	78	522	-	522		-	-	-	-	-	522
Integrated Disease Management	55	277	-	277	64	-	64	31	-	31	372
Bio-control of pests and diseases	29	175		175	16	-	16	8	-	8	199
Production of bio control agents and bio pesticides											
Others, if any											
VIII Fisheries						I		1	1	L	
Integrated fish farming	1	13	-	13	20	-	20	-	_	-	33
Carp breeding and hatchery											
management	-				.		L .				
Carp fry and fingerling rearing	3	19	-	19	4		4	-	-	-	23
Composite fish culture	8	38	-	38	5	-	5	4	-	4	47
Hatchery management and culture of											
freshwater prawn Breeding and culture of ornamental	-										
fishes											
Portable plastic carp hatchery	1				1		1				
Pen culture of fish and prawn	1		ł	1	1						
Shrimp farming	1		İ	1							
Edible oyster farming	1										

Pearl culture											
Fish processing and value addition											
Others, if any											
IX Production of Inputs at site	1	1									
Seed Production	4	24	-	24	8	-	8	4	-	4	36
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production	21	62	-	62	56	3	59	32	8	40	161
Organic manures production	8	40	-	40	1	-	1	8	-	8	49
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 Dynan	nics										
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											

Table – 3 B Area-wise distributions of On + Off Campus Training Courses for Rural Youth (regular + sponsored)

. eutri	(icgulai +	openee									
Mushroom Production	5	35	6	41	15	-	15	8	-	8	64
Bee-keeping	5	40	-	40	12	-	12	7	-	7	59
Integrated farming											
Seed production	8	50	-	50	15	-	15	6	-	6	71
Production of organic inputs	7	42	-	42	14	-	14	9	-	9	65
Integrated Farming											
Planting material production											
Vermi-culture	8	56	-	56	12	-	12	6	-	6	74
Sericulture											
Protected cultivation of vegetable											
crops											
Commercial fruit production											
Repair and maintenance of farm											
machinery and implements											
Nursery Management of Horticulture	6	41	2	43	9	_	9	7	_	7	49
crops	0	41	2	43	3	_	3	'	-	'	43
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											

Rabbit farming						
Poultry production						
Ornamental fisheries						
Para vets						
Para extension workers						
Composite fish culture						
Freshwater prawn culture						
Shrimp farming						
Pearl culture						
Cold water fisheries						
Fish harvest and processing						
technology						
Fry and fingerling rearing						
Small scale processing						
Post Harvest Technology						
Tailoring and Stitching						
Rural Crafts						
Others, if any						
TOTAL						

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

					No. (of Pa	articipar	nts			
Thematic Area	No. of		Others								Grand
Thematic Area	Courses	Male	Femal e	Total		SC			ST		Total
					М	F	Т	Μ	F	Т	
Productivity enhancement in field crops	29	121	3	124	67	1 3	80	18	-	18	222
Integrated Pest Management	26	103	-	103	26	-	26	15	-	15	144
Integrated Nutrient management	4	33	-	33	6	-	6	-	-	-	39
Rejuvenation of old orchards	5	33	-	33	9	-	9	3	-	3	45
Protected cultivation technology											
Formation and Management of SHGs	9	44	12	56	12	2	14	7	1	8	78
Group Dynamics and farmers organization	6	31	22	53	19	1	20	3	1	4	77
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	15	87	-	87	19	-	19	18	-	18	124
Gender mainstreaming through SHGs											
Any other (pl. specify)											

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

Table – 4 Numbers of Extension Activities and Beneficiaries

Table – 5 A Productions of Seeds

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

3			
4			
5			
6			
Total			
III. PULSES			
1			
2			
3			
4			
5			
6			
Total			
IV. VEGETABLE	S		
1			
2			
3			
4			
5			
6			
Total			
V. OTHERS			
1			
2			
3			
4			
5			
Total			

SUMMARY

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

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

SI. No.	Crop	Variety	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
I. FRUITS	•	•			
1					
2					
3					
4					
5					
Total					
II. VEGETABLES					
1					
2					
3					
4					
5					
Total					

III. SPICES							
1							
2							
3							
4							
5							
Total							
IV. FOREST SPE	CIES						
1							
2							
3							
4							
5							
Total							
V. ORNAMENTAL	. CROPS						
1							
2							
3							
4							
5							
Total							
VI. PLANTATION	CROPS	•	1				
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			

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

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					

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

IV. FISHERIES			
V. Others (Specify)			

	SUMMARY								
SI. No.	Туре	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers			
01.110.	Type		Nos	Kgs	Value (Its.)				
I	CATTLE								
11	SHEEP & GOAT								
III	POULTRY								
IV	FISHERIES								
V	OTHERS								
	TOTAL								

Signature of Project Coordinator

Signature of DEE