

**ANNUAL REPORT: 2007-08**

**KVK – SYLVAN, HENGBUNG, SENAPATI DISTRICT, MANIPUR.**

**PART – I  
(GENERAL INFORMATION)**

**1. General information about the KVK**

**Name and address of KVK with Phone, Fax and E-mail\***

<b>Complete postal address with Pin Code</b>	<b>Telephone</b>	<b>Fax</b>	<b>E mail</b>
Hengbung, Senapati District, Manipur P.O. Kangpokpi B.P.O. Hengbung – 795129.	-	-	sylvankvk@rediffmail.com

**Name and address of host organization with Phone, Fax and E-mail\***

<b>Complete postal address with Pin Code</b>	<b>Telephone</b>	<b>Fax</b>	<b>E mail</b>
Hengbung, Senapati District, Manipur P.O. Kangpokpi B.P.O. Hengbung – 795129.	9436021458		feedsmanipur@yahoo.con

**Name of the Programme Coordinator with Landline & Mobile No\***

<b>Name of PC</b>	<b>Contacts</b>		
	<b>Residence</b>	<b>Mobile</b>	<b>E mail</b>
Dr. R.K. Imotomba Singh	0385 - 2443100	9436020718	sylvankvk@rediffmail.com

**\* = Mandatory and to be provided without fail.**

Year of sanction of KVK : 2002  
Staff Position\* (As on 30<sup>th</sup> August, 2008)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr. R.K. Imotomba Singh	Programme Coordinator	Plant Pathology	30-10-06	Permanent
2	Subject Matter Specialist	Nongmaithem Jyotsna	Subject Matter Specialist	Agronomy	29-03-03	Permanent
3	Subject Matter Specialist	Khangembam Nodiyachand Singh	Subject Matter Specialist	Horticulture	29-03-03	Permanent
4	Subject Matter Specialist	David Kamei	Subject Matter Specialist	Plant Pathology	29-03-03	Permanent
5	Subject Matter Specialist	Dr. N. Muhindro Singh	Subject Matter Specialist	Vety & A.H.	29-03-03	Permanent
6	Subject Matter Specialist	Deepak Kumar	Subject Matter Specialist	Extension	3-2-05	Permanent
7	Subject Matter Specialist	Athokpam Haribushan	Subject Matter Specialist	Soil Science	17-09-07	Permanent
8	Programme Assistant	Kangjam Homen Singh	Programme Assistant (Farm Manager)	Farm Manager	29-03-03	Permanent
9	Computer Programmer	Nemnu Hangshing	Programme Assistant (Home Science)	Home Science	1-2-05	Permanent
10	Farm Manager	Athokpam Brojendro Singh	Programme Assistant (Agro-forestry)	Agro-Forestry	28-10-06	Permanent
11	Accountant / Superintendent	Kshetrimayum Ranjit Singh	Superintendent-cum-Accountant		29-03-03	Permanent
12	Stenographer	Mutum Ronel Singh	Stenographer-cum-computer operator		21-02-03	Permanent
13	Driver	Paokhanlam Kipgen	Driver		7-12-02	Permanent
14	Driver	Pheiroijam Tomba Singh	Driver		17-12-02	Permanent
15	Supporting staff	Chungkholam Chongloi	Supporting staff		17-12-02	Permanent
16	Supporting staff	Thangboi Kipgen	Supporting staff		01-04-03	Permanent

\* = The staff position should reflect in the quantity and quality of all programmes conducted by KVK in the annual report

Total land with KVK (in ha):

No.	Item	Area (ha)
1	Under Buildings	02
2.	Under Demonstration Units	03
3.	Under Crops	19
4.	Orchard/Agro-forestry	04
5.	Others	22
		50

Infrastructural Development:

A) Buildings

No.	Name of Building	Source of Funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq. m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq. m)	Status of Construction
1	Boleto Administrative Building	GOA	31-3-2006	550	96,20,000.00			
2	Motor Cycling Wall	GOA	31-3-2006		3,35,000.00			
3	Farmers Hostel	- do -	31-3-2007	305	56,66,100.00			
4	Staff Quarters (6)	-	-	-	-			
5	Demonstration Units (2)	ICAR	31-3-2007	160	20,27,000.00			
6	Fencing	- do -	31-3-2007	1000 Rm	4,40,000.00			
Name of the equipment		Year of purchase	Cost (Rs.)	Present status				
Tractor with accessories		2004	5,50,000.00	Running				
CD Player		2006	57,560.00	- do -				
TV set with DVD		2006	20,000.00	- do -				

B) Vehicles

C) Equipments & AV aids

Details SAC meeting\* conducted in the year

No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	18/7/08	12	- To organize A.I. camp during 2008-09 - to include planting technique of potato from shoot in training programme during 2008-09. - to conduct maximum number of FLD and OFT on pea & rice.	- date yet to be fixed - will be included in training programme for 2008-09 - - do -
2.				

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

## 2. Details of district (2007-08)

Major farming systems existing in the district\* (based on the study made by the KVK)

No	Farming systems identified
1.	Agriculture (monoculture )
2	Agriculture (Mixed)
3	Livestock + Agriculture
4	Agro-forestry
5	Agri + Horti + Livestock

\* = the programmes conducted by KVK should be matching with the identified farming systems

Description of Agro-climatic Zone (based on soil and topography)

No	Agro-climatic Zone	Characteristics
1.	Temperate Sub-alpine Zone	The agro-climate of the region is characterized by warm summer and cool winter. The major soil formation in the area include shallow to very deep, loamy, lateritic, red and yellow soils.
2.	Mild Tropical Hill Zone	

Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
1.	North-Eastern Hill (Purvanchal) warm per humid, eco region	Warm to hot per humid Eco Sub region with medium to deep loamy Red and Yellow soils, low to medium Available water holding capacity and Length of growing period 300 days.
2.	Purvanchal eastern range	

Soil type/s

No	Soil type	Characteristics	Area in ha
1.	Clay red loamy soil	These are red to yellowish in colour which is the result of coating of ferric oxides on soil ped surfaces. It is red when ferric oxide occurs as haematite or anhydrous FeO and yellow when it occurs in the hydrated form (called limonete). They are in general neutral to acidic in nature depending upon the content of iron oxides.	-
2.	Laterite Soil	These soils lose bases (Ca, Mg, Na, K) and silica due to pronounced leaching with relative accumulation of sesquioxides and the soils are rendered acidic with silica sesquioxides ratio of <2	-

Area, Production and Productivity of major crops cultivated in the district (Enter data strictly in ha, qtl and qtl/ha respectively)

No	Crop	Area (ha)*	Production (qtl)*	Productivity (qtl /ha)*
1.	Rice	25200	536900	21.30
2.	Maize	1210	32100	26.52

\* = no change of unit is allowed

Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
September 2007	172.20	30.28	10.15	83.50
October	155.93	28.79	16.45	76.0
November	52.5	24.1	13.60	64.50
December	-	21.1	6.6	51.40
January 2008	34.20	18.4	7.80	51.30
February	21.00	21.2	7.10	46.90
March	69.60	24.9	12.5	50.80
April	17.80	28.8	15.6	43.6
May	94.60	29.0	19.3	57.5
June	260.20	28.6	21.3	70.7
July	199.80	26.1	20.7	71.4
August				

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	13107		
<i>Indigenous</i>	60052		
Buffalo	25922		
<b>Sheep</b>			
<i>Crossbred</i>			
<i>Indigenous</i>	3717		
Goats	12882		
<b>Pigs</b>			
<i>Crossbred</i>	59174		
<i>Indigenous</i>	78601		
Rabbits			
<b>Poultry</b>			
Hens	164286		
<i>Desi</i>	62905		
<i>Improved</i>	76431		
Ducks	119932		
Turkey and others	162		
<b>Fish</b>			
<i>Marine</i>			
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

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

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.		Kangpokpi T.D. Block	Changoubung South	Rice, maize, Calorasia, Potato, piggery, Tree bean.	Mono cropping, Diseases & pest of crop & livestock, low yield	Crop diversification
2.		- do -	Phoibung	Rice, maize, Potato, piggery, Tree bean	Scattered farm land, low yield of local cultivars	Integrated farming & introduction of improved variety of crops
3.		- do -	Mayangkhang	Rice, Maize, bean, banana, Duckery piggery.	Low fertility of soil, diseases & pest, non availability of formulated feed	Soil & water conservation, production of locally available feed crop
4.		- do -	Mayangkhang Khunou	- do -	- do -	- do -
5.		- do -	Bongmol	Rice, maize, yam/Tapioca, banana, piggery, dairy & winter vegetables	Mono cropping, diseases & pest problem, low yield, moisture stress,	Crop diversification & Integrated farming
6.		- do -	West Haipi	Rice, maize, mango, citrus, piggery, poultry, tree bean, ginger	Diseases & Pest problem, low yield.	- do -
7.		- do -	Saikotjang	- do -	- do -	- do -
8.		- do -	T. Khullen	Rice, Maize, bean, banana, duckery piggery.	Low fertility of soil, diseases & pest, non availability of formulated feed	Soil & water conservation, production of locally available feed crop
9.		- do -	Gopibung	Rice, maize, tree bean, banana, passion fruit, piggery, pulses, Tapioca	- do -	Fruit processing, integrated farming system
10.		- do -	K. Songtun	- do -	- do -	- do -

11.		- do -	M. Ningthoupham (Upper)	Rice, Maize, bean, banana, Duckery piggery.	Low fertility of soil, diseases & pest, non availability of formulated feed	Soil & water conservation, production of locally available feed crop, vermin-composting
12.		- do -	M. Ningthoupham	- do -	- do -	- do -
13.		- do -	Kailenjang	Rice, maize, tree bean, banana, passion fruit, piggery, pulses, Tapioca	Low fertility of soil, diseases & pest, non availability of formulated feed	Integrated farming system, introduction of drought resistant crops.
14.		- do -	Gilgal	Rice, maize, diary, Tapioca, yam, piggery, King chilli, Potato.	Diseases & Pest problem of livestock and crop, inadequate availability of feeds	Integrated farming system, introduction of silage making technique.
15.		- do -	L. Moulshang	Rice, maize, winter vegetables, pulses, ginger, livestock farming, fruit crops.	Diseases & Pest problem of livestock and crop, low fertility of soil	Watershed based farming system & Mass production of planting materials.

**Priority thrust areas (prioritized in sync with thrust areas identified and given above)**

Rank	Thrust area
2 <sup>nd</sup>	Popularization of high yielding varieties of rice in hill terrace cultivation.
4 <sup>th</sup>	Integrated Management of Pest and disease of crops
1 <sup>st</sup>	Popularization of Horticultural crop in the hill.
14 <sup>th</sup>	Shade loving commercial crop plantation in forest for Environment protection and Economic upliftment of tribal people.
3 <sup>rd</sup>	Popularization of Dairy farming, Goatry, Piggery, Poultry and development of livestock feeds in Senapati District.
6 <sup>th</sup>	To popularize improved cultivation technique of HYV of Oilseeds, Pulse and vegetables suitable for hill.
7 <sup>th</sup>	Introduction of improved seeds for better production.
8 <sup>th</sup>	Home scale food preservation technique & Rural Craft
9 <sup>th</sup>	Health and Nutritional care for women and child.
12 <sup>th</sup>	Organizing Self help Group (SHG) for farm-women and para extension workers.
13 <sup>th</sup>	Entrepreneurial and leadership development of farming communities.
5 <sup>th</sup>	Soil & Water conservation, integrated nutrient management and soil reclamation measures.
15 <sup>th</sup>	Popularization of aquaculture and production.
10 <sup>th</sup>	Introduction of different suitable Agro-forestry model
11 <sup>th</sup>	Production of organic and bio-inputs.

**PART – II**

## (OFT AND FLD)

## 3. Technical achievements

## Abstract of interventions undertaken

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1.	Crop nutrient management	Rice bean	Technological gap about the use of bio-fertilizer	Effect of bio-fertilizer on yield of rice bean	-	-	-	Field visit and method demonstration	Seed, bio-fertilizer, inorganic fertilizer
2.	Integrated crop management	Groundnut and Maize	Low yield of crops in hills and foot hills	Groundnut intercropped with maize under rain fed upland farming situation				- do -	Seed, fertilizer and pesticide
3.	Plant production	Soybean	Improper spacing and time of sowing	Proper spacing and time of sowing				- do -	- do -
4.	Production of Tomato	Tomato	Low yield of Local Variety	Use of improved tomato Var. Pusa Raby		Cultivation practice of improved tomato		- do -	Seed, Fertilizers and chemical

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*
1	2	3	4	5
Rice bean	Rainfed upland	Technological gap about the use of bio-fertilizer	Effect of bio-fertilizer on yield of rice bean	6
Groundnut and maize	- do -	Low yield of crops in hills and foot hills	Groundnut intercropped with maize under rain fed upland farming situation	5
Soybean	- do -	Improper spacing and time of sowing	Proper spacing and time of sowing	5
Tomato	- do -	Low yield	Use of improved tomato Var. Pusa Raby	4

## Results of On Farm Trials

\* No. of farmers

Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment
6	7	8	9
(i) Seed treatment with bio-fertilizer (Rhizobium and phosphotica ) (ii) NPK @ 10:20:15 kg/ha	Seed yield	10 – 12 q/ha	9 q/ha
Maize+Groundnut intercropping system 1:2	Seed yield	-	Yet to be assessed
Sowing on 1 <sup>st</sup> week of June at 30x10 cm spacing	Seed yield	-	- do -
Pusa Ruby	Fruit yield	220 q/ha	180 q/ha

Feedback from the farmer	Any refinement done	Justification for refinement
10	11	12
-	No	-
-	No	-
-	No	-
-	No	-

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16
Farmer's practice** Improper use of chemical fertilizer and no application of bio-fertilizer.	6.6 q/ha	3276.00 / ha.	1.33:1
Technology assessed** (i) Seed treatment with bio-fertilizer (Rhizobium and phosphotica ) (ii) NPK @ 10:20:15 kg/ha	9.00 q/ha	7575.00 / ha	1.73:1
Technology refined**			
Farmer's practice ** Local cultivar	100 q/ha	40000.00 / ha	1.66:1
Technology assessed ** Pusa Ruby	180 q/ha	100000.00 / ha.	2.25:1

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

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

### Notes:

Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.

Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.

*If any OFT was conducted for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.*

Technologies older than 5 years have to be preferably avoided for OFTs.

### Examples:

Technology selected for assessment (and/or) refinement (Ex: Rice Var: XXXXXX)

Source of technology with year of release (Ex: ICAR RC NEH, Barapani, 2007)

Production system and thematic area (Ex: Crop production & Weed management)

Performance indicators of the technology (Ex: Yield, Shelf life etc)

### Achievements of Frontline Demonstrations

#### Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2007-08 and recommended for large scale adoption in the district

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
1.	Pulses production management	Improved package of cultivation practices	Result demonstration, field day, training, farmer to farmer extension	6	58	35
	Oilseed production management	- do -	- do -	9	84	40

\* Thematic areas as given in Table on Training

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.)

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Rice	Development & popularization of improved rice variety	Var. Pariphou	Kharif 2007	1.50	1.50	2	1	3	
2	Maize	Popularization of hybrid dwarf maize variety.	Var. Star-65	Kharif 2008	1.00	1.50	2	2	4	
3	Potato	Nutrient and pest management	-Seed treatment with Mancozeb @ 3 g/litre of water for 30 min. - NPK @ 100:80:100 kg/ha.	Rabi 2007- 2008	0.50	0.50	2	1	3	
4.	Soybean	- do -	-Seed treatment with Bavistin or captan @ 2 g/kg - application of	Kharif 2007	10	5.00	10	-	10	

			dithane M-45 @ 2 g/litre water to control rust - NPK @ 20:60:40 kg/ha.							
5.	Rape seed	Nutrient management	-NPK @ 60:30:30 kg/ha.	Rabi 2007	10.00	5.00	6	2	8	
6.	Black gram	- do -	- NPK @ 20:60:40	Kharif 2007	5.00	5.00	4	6	10	
7.	Field pea	Nutrient and Pest management	- NPK @ 20:50:20 kg/ha. - to control rust 2 to 3 spray of dithane M-45 @ 2g/ltr. Water - to control pod borer, spraying of endosulphan @ 2ml./ltr. Water once or twice at fruiting stage.	Rabi 2007	10.00	5.00	10	-	10	
8.	Groundnut	Nutrient and Pest Management	NPK @ 20:60:40 kg/ha. - Seed treatment with bavistin @ 2 g/kg seed - spraying of Bavistin 0.05% (1gm/ltr of water) + Dithane M-45 0.2%(2 gm/ltr of water)	Kharif 2008	5.00	5.00	10	-	10	
9.	Black gram	Nutrient Management	NPK @ 20:60:40 kg/ha.	Kharif 2008	5.00	5.00	6	4	10	

## Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Rice	Kharif 2007	RF	Clay to clay loam	H	Low	Med-high	Rice	1 <sup>st</sup> week of June 2007			
Maize	Kharif 2008	RF	Clay to clay loam	- do -	- do -	- do -	Rape seed	3 <sup>rd</sup> week of March			
Potato	Rabi 2007-08	RF	loamClay to clay	- do -	- do -	- do -	Pea, Cabbage	Mid Feb.	3 <sup>rd</sup> week of June		
									July 3 <sup>rd</sup> to 4 <sup>th</sup> week of Sept.07		

Soybean	Kharif 2007	RF	Clay to clay loam	- do -	- do -	- do -	Mustard, beans	1 <sup>st</sup> to 2 <sup>nd</sup> week of June
Rape seed	Rabi 2007-08	RF	Clay to clay loam	- do -	- do -	- do -	Maize	3 <sup>rd</sup> week of Oct
Black gram	Kharif 2007	RF	Clay to clay loam	- do -	- do -	- do -	Mustard, bean	Mid to last week of June
Field pea	Rabi 2007-08	RF	loamClay to clay	- do -	- do -	- do -	Potato, cabbage	2 <sup>nd</sup> week of Oct
Ground nut	Kharif 2008	RF	- do -	- do -	- do -	- do -	Potato, pea, cabbage	2 <sup>nd</sup> to 3 <sup>rd</sup> week of June
								harvested Yet not
								3 <sup>rd</sup> week of Feb
								Sept <sup>3<sup>rd</sup></sup> to last week of Oct
								Last of Jan to 1 <sup>st</sup> week of Feb
								08
								1 <sup>st</sup> to 2 <sup>nd</sup> week of

Black gram	Kharif 2008	RF	- do -	- do -	- do -	- do -	Cucurbit, Maize, Paddy seedling	Last week of June to 1 <sup>st</sup> week of July	Yet not harvested		
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#### Performance of FLD

No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)
1	2	3	4	5	6
1.	Rice	Var. Pariphou	Pariphou	3	1.50
2.	Maize	Var. Star-65	Star – 65	4	1.50
3.	Potato	-Seed treatment with Mancozeb @ 3 g/litre of water for 30 min. - NPK @ 100:80:100 kg/ha.	Kufri Jyoti	3	0.50
4.	Soybean	-Seed treatment with Bavistin or captan @ 2 g/kg - application of dithane M-45 @ 2 gm/litre water to control rust - NPK @ 20:60:40 kg/ha.	JS-335	10	5.00
5.	Rape seed	-NPK @ 60:30:30 kg/ha.	M-27	8	5.00
6.	Black gram	- NPK @ 20:60:40 kg /ha	T-9	10	5.00
7.	Field pea	- NPK @ 20:50:20 kg/ha. - to control rust 2 to 3 spray of dithane M-45 @ 2g/ltr. Water - to control pod borer, spraying of endosulphan @ 2ml./ltr. Water once or twice at fruiting stage.	Rachna	10	5.00

NB: Attach few good action photographs

Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
H	L	A			Demo	Local
7	8	9	10	11	12	13
49.00	47.00	48.00	34.00	41.17	52.70	34.00

44.00	39.00	41.00	30.00	36.66	-	30.00
172.00	168.00	170.00	125.00	36.00	180.00	125.00
20.00	16.00	18.00	13.00	38.46	20.00 – 25.00	13.00
9.40	7.90	8.80	7.00	25.70	10.00 – 12.00	7.00
9.00	7.20	8.47	6.00	41.16	8.00 – 10.00	6.00
19.50	17.50	18.60	14.80	25.68	20.00 – 25.00	14.80

**Economic Impact (continuation of previous table)**

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
20297.00	17660.00	30000.00	21225.00	9703.00	3565.00	1.47:1
13137.00	10910.00	28700.00	21000.00	15563.00	10090.00	2.18:1
69866.00	60100.00	153000.00	112500.00	83134.00	47900.00	2.18:1
12700.00	11580.00	27000.00	19500.00	14300.00	7920.00	2.12:1
9863.00	8740.00	15840.00	12600.00	5977.00	3860.00	1.61:1
12140.00	10280.00	16940.00	12000.00	4800.00	1720.00	1.40:1
13413.00	11930.00	37200.00	29600.00	23787.00	17670.00	2.77:1

**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
Rice	Kharif 07	Seed/Variety, Fertilizer management, Plant Protection and weed management	Rainfed, Upland	48.00	34.00	41.17
Maize	Kharif 2008	Seed/variety, Fertilizer management	- do -	41.00	30.00	36.66
Potato	Rabi 2007-08	Seed/Variety, Fertilizer management, Plant Protection	- do -	170.00	125.00	36.00
Soybean	Kharif 2007	Seed/Variety, Fertilizer management, Plant Protection and bio-fertilizer	- do -	18.00	13.00	38.46
Rape seed	Rabi, 07	Seed/Variety, Fertilizer management, Plant Protection	- do -	8.80	7.00	25.70
Black gram	Kharif 2007	Seed/Variety, Fertilizer management, Plant Protection and bio-fertilizer	- do -	8.47	6.00	41.16
Field pea	Rabi 2007	- do -	- do -	18.60	14.80	25.68

#### Technical Feedback on the demonstrated technologies

No	Feed Back
1.	Most of the technologies available with the research/institute/station are input-intensive
2.	Problems of insect pests and diseases are found especially in newly introduced varieties of crops.
3.	Limitation in use of modern farm machineries

#### Farmers' reactions on specific technologies

No	Feed Back
1.	The demonstration farmers are indeed very happy to receive some of the critical inputs.
2.	Farmers desire timely availability and adequate quantity of agro-inputs at low cost and credit facilities from financial institute to continue to adopt cultivation practice advocated by KVK.
3.	Lack of market outlet for their produce.
4.	Farmers expressed the desire for constant logistic support (critical inputs)
5.	The farmers want more exposure trip to research institute.









Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
<b>IX Production of Inputs at site</b>											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other 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											
<b>X Capacity Building and Group Dynamics</b>											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths	1				-	-	-	-	10	10	10
WTO and IPR issues											
<b>XI Agro-forestry</b>											
Production technologies											
Nursery management											
Integrated Farming Systems											
<b>XII Others (Pl. Specify)</b>											
<b>TOTAL</b>	<b>14</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>142</b>	<b>250</b>	<b>392</b>	<b>392</b>
<b>(B) RURAL YOUTH</b>											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs	1				-	-	-	15	10	25	25
Integrated Farming											
Planting material production	1				-	-	-	20	5	25	25
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	1				-	-	-	15	10	25	25

Training and pruning of orchards											
Value addition	1				-	-	-	-	20	20	20
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	2				-	-	-	16	34	50	50
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
<b>TOTAL</b>	<b>6</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>66</b>	<b>79</b>	<b>145</b>	<b>145</b>
<b>(C) Extension Personnel</b>											
Productivity enhancement in field crops	3				-	-	-	60	15	75	75
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)	1				-	-	-	10	5	15	15
<b>TOTAL</b>	<b>4</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>70</b>	<b>20</b>	<b>90</b>	<b>90</b>

Off Campus:

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Weed Management	1				-	-	-	-	25	25	25
Nutrient Management	1				-	-	-	20	5	25	25
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification	1				-	-	-	14	11	25	25
Integrated Farming systems											
Water management											
Seed production	2				-	-	-	23	27	50	50
Nursery management											
Integrated Crop Management											
Fodder production	3				-	-	-	47	28	75	75
Production of organic inputs											
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Production of low volume and high value crops	4				-	-	-	78	22	100	100
Off-season vegetables	1				-	-	-	18	7	25	25
Nursery raising	1				-	-	-	18	7	25	25
Exotic vegetables production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
<b>b) Fruits</b>											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops	2				-	-	-	30	20	50	50
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
<b>c) Ornamental Plants</b>											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants	1				-	-	-	20	5	25	25
Propagation techniques of Ornamental Plants											
<b>d) Plantation crops</b>											
Production and Management technology											
Processing and value addition											
<b>e) Tuber crops</b>											
Production and Management technology	2				-	-	-	29	21	50	50

Processing and value addition											
<b>f) Spices</b>											
Production and Management technology											
Processing and value addition											
<b>g) Medicinal and Aromatic Plants</b>											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
<b>III Soil Health and Fertility Management</b>											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs	1				-	-	-	20	5	25	25
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing	1				-	-	-	20	5	25	25
<b>IV Livestock Production and Management</b>											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
<b>V Home Science/Women empowerment</b>											
Household food security by 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											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	2				-	-	-	-	45	45	45
<b>VI Agricultural Engineering</b>											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technologies											
<b>VII Plant Protection</b>											
Integrated Pest Management	1				-	-	-	9	16	25	25













Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
<b>TOTAL</b>	<b>14</b>						<b>149</b>	<b>186</b>	<b>335</b>	<b>335</b>	
<b>(C) Extension Personnel</b>											
Productivity enhancement in field crops	3						60	15	75	75	
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
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											
Gender mainstreaming through SHGs											
Any other (Pl. Specify) ( Use of extension method)	1						10	5	15	15	
<b>TOTAL</b>	<b>4</b>						<b>70</b>	<b>20</b>	<b>90</b>	<b>90</b>	

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

Date	Clientele	Title of the training	Duration in days	Off / On Campus	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
23-24/10/07	PF	Seed production technology of Pulses	2	OFF	13	12	25	10	10	20
23/10/07	PF	Cole crop production techniques	1	OFF	20	5	25	20	5	25
17-18/10/07	PF	Pest management of storage grain	2	ON	15	10	25	15	10	25
17/10/07	PF	Orchid cultivation for income generation	1	OFF	20	4	25	20	5	20
20/11/07	PF	Cultivation of fodder for income generation	1	OFF	10	15	25	10	15	25
15/11/07	PF	Production technology for	1	OFF	20	5	25	20	5	25

		leafy vegetables								
16-17/11/07	PF	Pests & diseases of potato & their management	2	OFF	10	15	25	10	15	25
30/11/07	RY	Pig farming for income generation	1	OFF	16	9	25	16	9	25
22/11/07	PF	Agro-forestry for food & cash crops	1	OFF	20	5	25	20	5	25
27/11/07	PF	Nutrition for Pre-School children	1	OFF	-	20	20	-	20	20
15/12/07	RY	Manuring and its significance	1	OFF	16	9	25	16	9	25
20/12/07	PF	Post harvest management of vegetables	1	OFF	18	7	25	18	7	25
21-22/11/07	PF	Pests & diseases of rapeseed & their management	2	OFF	25	-	25	25	-	25
13/12/07	PF	Preparation & Preservation of fodder during lean period	1	OFF	17	8	25	17	8	25
17/11/07	PF	Agri-preneuship development for SHG	1	ON	-	10	10	-	10	10
28/12/07	PF	Cultivation of fodder trees	1	OFF	20	5	25	20	5	25
13/12/07	RY	Preparation of papaya pickle	1	OFF	-	20	20	-	20	20
23-24/1/08	PF	Improved package of practices of potato cultivation	2	OFF	11	14	25	0	14	23
10/1/08	RY	Organic farming of vegetables and fruit crops	1	ON	15	10	25	10	5	15
18/1/08	PF	Pest management of oilseed crop	1	OFF	15	10	25	15	10	25
31/1/08	RY	Turkey farming for income generation	1	ON	2	23	25	2	23	25
11/1/08	PF	Balanced diet for healthy living	1	OFF	-	20	20	-	20	20
30/1/08	PF	Agro-forestry in conservation of natural resources	1	OFF	20	5	25	20	5	25
22/2/08	PF	Methods of composting	1	ON	-	25	25	-	20	20
27/2/08	PF	Production technology of banana in hill region	1	OFF	15	10	25	15	10	25
27/2/08	PF	Pest & diseases of rapeseed & their management	1	Off	11	14	25	11	14	25
28/2/08	RY	Backyard vanaraja farming for household income generation	1	OFF	16	9	25	16	9	25
7 &	PF	Integrated pig farming cum	2	ON	-	37	37	-	37	37

27/2/08		pumkin & banana plantation for tribal women								
27/2/08	PF	Practices of green manuring & their beneficial effect on soil	1	OFF	20	5	25	20	5	25
28/2/08	PF	Agro-forestry for degraded land	1	OFF	20	5	25	20	5	25
7/3/08	PF	Cultivation techniques of Jatropha in wasteland	1	OFF	14	11	25	14	11	25
14/3/08	PF	Cultivation techniques of cucurbit	1	OFF	20	5	25	20	5	25
5/3/08	RY	Duck farming for income generation	1	ON	14	11	25	14	11	25
16-17/4/08	PF	Seed production of soybean & Groundnut	1	OFF	10	15	25	10	15	25
23/4/08	PF	Cultivation techniques of tuber crops	1	OFF	18	7	25	18	7	25
22-26/4/08 & 29/4/08 - 3/5/08	PF	Intensive aquaculture in tank, pond & reservoir fisheries	10	ON	26	34	60	26	34	60
19 & 21/4/08	PF	Soil acidity & liming	2	OFF	20	5	25	20	5	25
29/4/08	RY	Role of youth in Agril. Development	1	OFF	15	10	25	15	10	25
4/4/08	PF	Silvi cultural techniques in agro-forestry	1	OFF	20	5	25	20	5	25
25-26/4/08	RY	Preparation of Olive pickle	2	OFF	-	25	25	-	25	25
24/5/08	PF	Off-season vegetable production technology	1	OFF	18	7	25	18	7	25
7-8/5/08	PF	Improved package of practices of rice cultivation with special emphasis to IPM	2	ON	16	9	25	16	9	25
12-14/5/08	PF	Awareness training pig rearing	3	ON	21	29	50	21	29	50
4-8/5/08	PF	Intensive aquaculture in Ponds, tank and reservoir fisheries	5	OFF	26	4	30	26	4	30
23/5/08	EF	Soil management for sustainable farming	1	ON	20	5	25	20	5	25
7/5/08	PF	Economic aspects of agro-forestry	1	OFF	20	5	25	20	5	25
22-23/5/08	RY	Preparation of ginger candy	2	OFF	-	20	20	-	20	20

3/6/08	PF	Weed management in rice cultivation	1	OFF	-	25	25	-	20	20
20/6/08	RY	Budding & Grafting techniques of fruits crop	1	ON	20	5	25	20	5	25
20/6/08	PF	Brooding management of chick	1	OFF	16	9	25	16	9	25
11/6/08	PF	Self help group & micro-finance	1	OFF	-	20	20	-	20	20
12/6/08	PF	Fruits & vegetable crops in agro-forestry	1	OFF	20	5	25	20	5	25
19/6/08	RY	Preparation of mango candy	1	ON	-	20	20	-	20	20
7-8/7/08	PF	Cultivation techniques of pulses seed purpose	2	ON	12	13	25	7	13	20
11/7/08	PF	Nursery raising of vegetables & fruit under adverse condition.	1	OFF	18	7	25	18	7	25
26/7/08	PF	Pig farming for tribal women	1	ON	-	25	25	-	25	25
8/8/08	PF	Integrated Nutrient Management for oilseed crops	1	OFF	9	16	25	9	16	25
18/8/08	RY	Growing techniques of ornamental plants	1	OFF	20	5	25	20	5	25
22-23/8/08	PF	Major pests of Banana & their control measures	2	OFF	15	10	25	15	10	25
12/8/08	PF	Participatory management in Agro-forestry	1	OFF	20	5	25	20	5	25
11-16/8/08	PF	Intensive Aquaculture in Pond, tank, and reservoir fisheries	5	ON	19	11	30	19	11	30
26-30/8/08	PF	- do -	5	ON	16	14	30	16	14	30
8/8/08	PF	Integrated Piggery cum Arum, Pumpkin & Banana	1	ON	-	25	25		25	25
20/8/08	EF	Importance of soil testing	1	ON	20	5	25	20	5	25
9/9/08	PF	Use of bio-fertilizer in crop production	1	OFF	20	5	25	20	5	25
- do -	PF	Cultivation package of lime and Orange	1	OFF	15	10	25	15	10	25
12-13/9/08	RY	Disease of vegetable nursery & their management	2	ON	15	10	25	15	10	25
4-5/9/08	PF	Integrated farming system in hills(Piggery + Duckery + Fisheries )	2	ON	17	8	25	17	8	25
6/9/08	EF	Use of extension method	1	On	10	5	15	10	5	15
8/.9/08	PF	Macro & Micro nutrient & their Function	2	OFF		25	25	-	25	25
10/9/08	PF	Bio-fertilizer in Agro-forestry	1	OFF	20	5	25	20	5	25

## (D) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

## (E) Sponsored Training Programmes

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses
					PF/R/EF	
1.	Integrated Piggery cum Arum, Pumpkin & Banana Plantation for the Tribal Women in Senapati district	Integrated farming for feed supplement	Feb., 2008	2	PF	2
2.	Intensive aquaculture in Pond, tank, and Reservoir fisheries	Management of culture fisheries	April & May, 2008	25	PF	5
3.	Awareness & Training Programme on Pig rearing	Management practices of pig rearing	May, 2008	3	PF	1
Total				30		8

No. of Participants										Sponsoring Agency
Male			Female			Total				
Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
					62			62	62	Department of Science and Technology, Govt. of India.
		87			63			150	150	National Fisheries Development Board, Hyderabad
		21			29			50	50	IGNOU, New Delhi.
		108			154			262	262	



Farm Science Club Conveners meet	1	19	16	35							19	16	35
Self Help Group Conveners meetings	2		20	20								20	20
Mahila Mandals Conveners meetings													
Celebration of important days (i) Nutrient week	1	-	20	20		2	2		10	10		32	32
Any Other (Specify) i. Participated in Multi Media Information Campaign in the district	1												
<b>Total</b>	<b>307</b>	<b>863</b>	<b>668</b>	<b>1531</b>	<b>20</b>	<b>9</b>	<b>29</b>	<b>126</b>	<b>46</b>	<b>146</b>	<b>1009</b>	<b>723</b>	<b>1732</b>
<b>M=Male</b>													
<b>F=Female</b>													
<b>T=Total</b>													

### Production and Supply of Seeds and Planting Materials (2007-08)

#### Seed Materials

Sl. No.	Crop	Variety	Quantity produced (qtl.)	Value (Rs.)	Quantity supplied (qtl.)	Provided to (No. of Farmers)
<b>Cereals</b>						
<b>Oilseeds</b>	Groundnut	JL-24	0.94	2350.00	0.88	28
	Soybean	JS-335	0.90	1800.00	0.85	27
	Rapeseed	M-27	0.85	1700.00	0.80	29
<b>Pulses</b>	Black gram	T-9	0.45	1125.00	0.40	27
	Rice bean	MNPL-1	0.46	1150.00	0.40	9
	Field pea	Rachna	1.50	3750.00	1.44	31
	Rajmash	Contender	0.88	1760.00	0.83	11
<b>Vegetables</b>						
<b>Flower Crops</b>						
<b>Others (Specify)</b>						

#### Summary

No.	Crop	Quantity produced (qtl.)	Value (Rs.)	Quantity supplied (qtl)	Provided to No. of Farmers
1	Cereals				
2	Oilseeds	2.69	5850.00	2.55	84
3	Pulses	3.29	7785.00	3.12	78
4	Vegetables				
5	Flower crops				
6	Others				
Total		5.89	13635.00	5.67	162

#### Planting Materials

Sl. No.	Crop	Variety	Quantity Provided (Nos.)	Value (Rs.)	Quantity supplied (qtl)	Provided to (No. of Farmers)
<b>Fruits</b>	Guava	Allahabad Safeda	10000	25000.00		20
	Lime	Kachai lime	2000	6000.00		10
	Banana	G-9	20000	300000.00		45
<b>Spices</b>						
<b>Vegetables</b>						
<b>Forest Species</b>	Pakia roxburghii	MPTS	20000	750000.00		45
	Paolownia	- do-	800	12,000.00		3
	Albizzia	- do-	1300	3900.00		4
	Gmelina	- do -	500	2000.00		2
	Bauhinia	- do -	800	4000.00		4
	Pongamia	- do -	750	3750.00		3
	Pinus	Timber	2000	6000.00		5
	Tectona	MPTS	800	3200.00		4
	Alnus nepalensis	MPTS	500	1500.00		20
<b>Ornamental Crops</b>						
<b>Plantation Crops</b>	Large Cardamom	Ramsey	1000	3000.00		10
<b>Others (specify)</b>						

#### Summary

Sl. No.	Crop	Quantity produced (Nos.)	Value (Rs.)	Quantity supplied (qtl)	Provided to No. of Farmers
1	Fruits	40000.00	3,31,000.00	32,000.00	75
2	Vegetables				
3	Spices				
4	Forest Species	30,000.00	7,86,350.00	27,450.00	90
5	Ornamental Crops				
6	Plantation Crops	3,000.00	3,000.00	1,000.00	10

7	Others				
	<b>Total</b>	73,000.00	11,20,350.00	60,450.00	175

**Bio-products : NA**

SI. No.	Product Name	Species	Quantity produced		Value (Rs.)	Quantity supplied (qti)	Provided to (No. of Farmers)
			No	(kg)			
	<b>Bioagents</b>						
1							
	<b>Biofertilizers</b>						
1							
	<b>Bio Pesticides</b>						
1							

**Summary**

SI. No.	Product Name	Species	Quantity		Value (Rs.)	Quantity supplied (qti)	Provided to No. of Farmers
			No	(kg)			
1	Bio Agents						
2	Bio Fertilizers						
3	Bio Pesticide						
	Total						

**Livestock : NA**

SI. No.	Type	Breed	Quantity		Value (Rs)	Quantity supplied (qti)	Provided to (No. of Farmers)
			Nos	Kgs			
	<b>Cattle</b>						
	<b>Sheep and Goat</b>						
	<b>Poultry</b>						
	<b>Fisheries</b>						
	<b>Others (Specify)</b>						

Summary : NA

Sl. No.	Type	Breed	Quantity produced		Value (Rs.)	Quantity supplied	Provided to No. of Farmers
			Nos	Kgs			
1	Cattle						
2	Sheep & Goat						
3	Poultry						
4	Fisheries						
5	Others						
	Total						

Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.) : Nil

(B) Literature developed/published during 2007-08

Item	Title	Authors name	Number
Research papers			
Technical reports			
News letters			
Technical bulletins			
Popular articles			
Extension literature	Management of acidic soil	SMS (Soil Science )	500
	Improved production technology of rice	SMS(Agronomy)	200
Others (Pl. specify)			
Total			700

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 during 2007-08 : NA

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

Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs) : NA

Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year : NA

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

- Identification of courses for farmers/farm women : PRA
- Rural Youth : Group discussion
- Inservice personnel : Personal contact (interview)

Field activities

- i. Number of villages adopted : 15 Nos.
- ii. No. of farm families selected : 400 Nos.
- iii. No. of survey/PRA conducted : 15 nos.

Activities of Soil and Water Testing Laboratory : NA

Status of establishment of Lab : NA

1. Year of establishment : NA

2. List of equipments purchased with amount : NA

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

Details of samples analyzed so far : NA

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Total				

**PART – V**  
**(IMPACT OF KVK ACTIVITIES)**

**6. Impact of KVK activities (Not to be restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Production technology of Pulses	50	47	Not assessed	Not assessed
Technology of oilseed production	50	39	- do -	- do -
Weed management in rice cultivation	25	31	3700.00 /ha	9700.00 / ha
Scientific pig farming	137	64	Not assessed	Not assessed
Production technology of Banana	25	42		
Duck farming	25	33		

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

**Cases of large scale adoption**  
**(Please furnish detailed information for each case below)**

**Details of impact analysis of KVK activities carried out during the reporting period (Give below)**

**PART – VI**  
**(LINKAGES WITH OUTSIDE ORGANISATIONS)**

**7. Functional linkage with different organizations**

Name of organization	Nature of linkage
1. Nehru Yuva Kendra	Participation in meeting
2. District Vety Office	Participation in meeting and joint animal health care programme
3. Directorate of Research	Participation in meeting & joint vaccination programme
4. Divisional Forest Office	Participation in meeting
5. District Fishery Office	Participation in meeting
6. District Industrial Centre	Participation in meeting
7. District Agriculture Office	Participation in meeting
8. District Horticulture & Soil Conservation Office	Participation in meeting
9. District Information Office	Participation in meeting and information sharing

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

List 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.)
Creation of geo-special data base for medicinal herbs in Senapati district, Manipur	1 <sup>st</sup> Feb., 2008	DST, Govt. of India	33,00,000.00
Construction of Kisan Mela stall	1 <sup>st</sup> August, 2008	Planning Dept. Government of Manipur	35,00,000.00
Training programme on Pig Farming	12 <sup>th</sup> to 14 <sup>th</sup> May, 2008	IGNOU, New Delhi	80,100.00

"Survey of important Pest and diseases of Rice and adoption of their Management practices in Senapati District, Manipur	23th Nov., 2007	DST, Government of India	6,94,000.00
Integrated Piggery and Arum, Pumpkin and Banana Plantation project for Tribal women in Senapati District, Manipur	24 <sup>th</sup> Oct., 2007	DST, Government of India	12,12,520.00

#### Details of linkage with ATMA

Is ATMA implemented in your district                      Yes

No.	Programme	Nature of linkage	Remarks
	NIL	NIL	

Give details of programmes implemented under National Horticultural Mission                      :                      NA

No.	Programme	Nature of linkage	Constraints if any

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

No.	Programme	Nature of linkage	Remarks
1.	Training programme on " Intensive Aquaculture in ponds, tanks and reservoirs fisheries"	Conducting training cum demonstration on fisheries	Completed 5 nos. of training programme.

## PART – VII (PERFORMANCE OF INFRASTRUCTURE IN KVK)

### 8. Performance of infrastructure in KVK

Utilization of demonstration units (other than instructional farm) : NA



**Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) : NA**

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

**Performance of instructional farm (livestock and fisheries production) : NA**

No	Name of the animal / bird / aquatics	Details of production		
		Breed	Type of Produce	Qty produced

**Utilization of hostel facilities : NA**

**Accommodation available (No. of beds)**

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
September 2007			
October			
November			
December			
January 2008			
February			
March			
April			
May			
June			
July			
August			

(for whole of the year)

**PART – VIII  
(FINANCIAL PERFORMANCE)**

### 9. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	Central Bank of India	Paona Bazar, Imphal	Saving A/C 1072
With KVK	Central Bank of India	Thangal Bazar, Imphal	CD-49

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs	0.105	0.0875	0.105	0.0875	NIL
Extension activities	0.015	0.0125	0.015	0.0125	
TA/DA/POL etc.	0.0225	0.01875	0.0225	0.01875	
<b>Total</b>	<b>0.1425</b>	<b>0.11875</b>	<b>0.1425</b>	<b>0.11875</b>	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs	0.09187	0.09188	0.09187	0.09188	NIL
Extension activities	0.01312	0.01312	0.01312	0.01312	
TA/DA/POL etc.	0.01969	0.01969	0.01969	0.01969	
<b>TOTAL</b>	<b>0.12468</b>	<b>0.12469</b>	<b>0.12468</b>	<b>0.12469</b>	

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

No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	Pay & Allowances	28,00,000.00	24,36,000.00	24,93,358.00
2	Traveling allowances	1,00,000.00	1,00,000.00	1,09,092.00
3	Contingencies	4,00,000.00	4,00,000.00	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			1,10,345.00
B	POL, repair of vehicles, tractor and equipments			64,431.00
C	Meals/refreshment for trainees (Ceiling up to Rs.40/day/trainee be maintained)			68,600.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			4,17,163.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		33,00,000.00	29,36,000.00	32,62,989.00
<b>B. Non-Recurring Contingencies</b>				
1	Works	50,32,000.00	50,32,000.00	50,37,242.00
2	Equipments including SWTL & Furniture	4,00,000.00	4,00,000.00	4,34,790.00
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	10,000.00	10,000.00	10,129.00
TOTAL (B)		54,42,000.00	54,42,000.00	54,82,161.00
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		87,42,000.00	83,78,000.00	87,45,150.00

2007 -08 (Upto Sep. 2008)

No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				

1	Pay & Allowances	31,00,000.00	31,00,000.00	31,00,000.00
2	Traveling allowances	1,00,000.00	1,00,000.00	1,00,000.00
3	Contingencies	6,00,000.00	6,00,000.00	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			88,266.00
B	POL, repair of vehicles, tractor and equipments			48,811.00
C	Meals/refreshment for trainees (Ceiling up to Rs.40/day/trainee be maintained)			90,700.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			1,95,400.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			1,33,500.00
G	Training of extension functionaries			23,500.00
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Others(Nursery raising )			20,500.00
TOTAL (A)		38,00,000.00	38,00,000.00	38,00,677.00

<b>B. Non-Recurring Contingencies</b>				
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)				
<b>C. REVOLVING FUND</b>				
GRAND TOTAL (A+B+C)		38,00,000.00	38,00,000.00	38,00,677.00

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

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2005 to March 2006	1,46,573.00	-	41,987.00	1,88,560.00
April 2006 to March 2007	1,88,560.00	-	8685.00	1,97,245.00
April 2007 to March 2008	1,97,245.00	-	-	1,97,245.00

Please include information which has not been reflected above (write in detail).

**Constraints**

- (a) **Administrative**
1. Poor co-ordination of other line department/Passive response from line Departments
  2. Lack of entrepreneurship and achievement motivation among the farmers.
  3. Difficulties of staff mobility in the interior hill areas because of hilly terrain & topography
  4. Most of the farmers are jhumias, resource poor and illiterate
- (b) **Financial**
1. Untimely release of fund.
  2. Insufficient amount of fund for mandatory activities.
- (c) **Technical**
1. Limited use of modern farm machineries because of land feature.
  2. Cost & labour intensive technologies
  3. Lack of area specific technologies.

**PART – IX  
(SUMMARY OF SCIENTIFIC ACHIEVEMENTS)**

**Technology Assessment and Refinement**

**Details of technologies assessed**

Technologies Assessed	
Crop/ Enterprise	Name of the technology
Tomato	Pusa Ruby
Rice bean	Effect of bio-fertilizer on seed yield

**Details of technologies refined : NA**

Technologies Refined	
Crop/ Enterprise	Name of the technology



**Abstract on the number of technologies assessed in respect of livestock enterprises : NA**

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						
<b>Total</b>						

**Abstract on the number of technologies refined in respect of livestock enterprises : NA**

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						
<b>Total</b>						

## Performance of important technologies

### Performance of technology assessment

Note: Please provide information on the most successful cases of technology assessment done by your KVK (if any) in the format given below. (Based on data already given on OFTs)

1. Name of technology:

Name of KVK	OFT Title	No. of OFTs	Performance on different parameters			Farmers reaction	Acceptability in existing farming system
			Parameter	Performance of Farmer's practice	Performance of previous technology		

			1					
			2					
			3					
			4					
			5					

Add the same table again for details on more technologies (if any)

#### Performance of technology refinement

Note: Please provide information on the most successful cases of technology refinement done by your KVK (if any) in the format given below. (Based on data already given on OFTs)

##### 1. Name of technology:

Name of KVK	OFT Title	No. of OFTs	Performance on different parameters			Farmers reaction	Acceptability in existing farming system
			Refined Parameter	Performance of Farmer's practice	Performance of assessed technology		
			1				
			2				
			3				
			4				
			5				

Add the same table again for details on more technologies (if any)

#### Frontline Demonstrations

Crops	No. of demonstrations	Area (ha)
Oilseeds	10	10
Pulses	20	10
Cereals	7	3
Millets		
Cash crops		
Fodder crops		
Fruit crops		
Vegetable crops	4	0.50
Plantation crops		
Spices and condiments		

Flowers and ornamental crops		
Medicinal and aromatic plants		
Fishery		
<b>Total</b>	<b>41</b>	<b>23.50</b>
<b>Enterprises</b>	<b>No. of demonstrations</b>	<b>Units (No.)</b>
Dairy		
Sheep and goat		
Poultry		
Piggery		
Rabbitary		
Apiculture		
Mushroom units		
<b>Total</b>		
<b>Grand total</b>	<b>41</b>	<b>23.50</b>

\_\_\_\_\_  
**Signature,**  
**Programme Coordinator,**  
**KVK, \_\_\_\_\_**

(Signature not needed in case of soft copy)