## REVISED PROFORMA FOR ANNUAL REPORT

# 1. GENERAL INFORMATION ABOUT THE KVK

## 1.1 Name and address of KV K with phone, fax and e-mail

	Telephone		e-mail
Address	Office	Fax	
KVK Yisemyong			
Post Box No-23	0369-2226537	0369-2227627	kvk_y@yahoo.co.in
Mokokchung Nagaland			

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

	Teleph	e-mail	
Address	Office	Fax	
Directorate of Agriculture	0370-2243116	0370-2243970	agrilan@rediffmail.co
Nagaland Kohima			m

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

	Telephone/contact		
Nam e	Residence	Mobile	e-mail
S. SOSANG JAMIR	0369/2228567	9436006351	kvk_y@yahoo.co.in

: 2003

#### 1.4 Year of sanction

# 1.5 Staff position (as on 30<sup>th</sup> September 2007)

Sl.					Pay scale	Date of	Permanent/	Category
no	Sanctioned	Name of the	Designation	Discipline	with	joining	Temporary	(SC/ST/
	post	incumbent			present			OBC/
					basic			others)
1	Programme	S. Sosang	I/C					ST
	Coordinator	Jamir	Programme	Agronomy	Rs. 12,700	18.06.03	Temporary	
			Coordinator					
2	Subject Matter	Renbomo	SMS	Horticulture	Rs. 8,275	24.05.06	Temporary	ST
	Specialist	Ngullie	(Horticulture)					
3	Subject Matter	Akangtemjen	SMS	Entomology	Rs. 8,275	24.05.06	Temporary	ST
	Specialist		(Entomology)					
4	Subject Matter	Dr.	SMS	Vety & AH	Rs. 8,275	24.05.06	Temporary	ST
	Specialist	Rongsensusang	(Vety. &AH)					
5	Subject Matter	Samuel	SMS	Agronomy	Rs. 8,275	24.05.06	Temporary	ST
	Specialist	Sangtam	(Agronomy)					
6	Subject Matter	Bendangjungla	SMS	PB &G	Rs. 8,275	24.05.06	Temporary	ST
	Specialist		(PB &G)					
7	Subject Matter	-	-	-	-	-	-	-
	Specialist							
8	Programme	Moainla	Programme		Rs. 5,675	24.05.06	Temporary	ST
	Asstt		Asstt					
9	Computer	I.Tangitla	Programme		Rs.5,675	24.05.06	Temporary	ST
	Programmer		Asstt					
			(Computer)					
10	Farm Manager	-	-	-	-	-	-	-
11	Accountant /	Meyatula	Office Supt-		Rs.5,500	01.06.03	Temporary	ST
	Superintendent		cum-					
			Accountant					
12	Stenographer	Imosangla	Jr. Steno-cum-		Rs.4,100	01.06.03	Temporary	ST
			Computer					
			Operator					
13	Driver	Supongmeren	Driver-cum-		Rs. 3,285	01.01.05	Temporary	ST
			Mechanic					
14	Driver	Benjamin Rai	Driver-cum-		Rs. 3,285	01.01.05	Temporary	SC
			Mechanic					
15	Supporting	Imkonglemla	Supporting		Rs.2,720	01.04.04	Temporary	ST
	staff		staff					
16	Supporting	Wati Ao	Supporting		Rs.2,780	01.06.03	Temporary	ST
	staff		staff					

# 1.6. Total land with KV K (in ha)

Sl. no	Item	Area (ha)
1	a. Under building	0.2
2	b. Under Demonstration Units	NIL
3	c. Under crops	0.2 (Instructional Farm)
4	d. Orchard/Agro-forestry	1 ha
5	e. Others (Fallow Land)	22

# 1.7 Infrastructural Development

# A) Building

Sl.	Name of	Source	Stage					
no	building	of		Complete	e			olete
		funding	Completion date	Plinth area (Sq.m)	Expenditure (Rs)	Starting date	Plinth area (Sq.m)	Status of construction
1	Administrative	ICAR		(Sq.III)		28.09.07	400	Under
	building							construction
2	Farmers hostel	- do -				NIL	200	Not started
3	Staff quarters	- do -				NIL	100	Not started
4	Demonstration	- do -				NIL	20	Not started
	Unit (ha)							
5	Fencing					NIL	177 m	Not started
6	Rain water					NIL		
	harvesting							
	system							
7	Threshing					NIL		
	floor							
8	Farm					NIL		
	godown							

# B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs)	Total kms run	Present status
Mahindra Marshall	2004	4,70,000	43,000	Good

# C) Equipments &AV aids

Name of equipment	Year of purchase	Cost (Rs)	Present status
1. Computer	2004	70000	Good
2. Sound system	2005	60000	Good
3. Photocopier	2005	200000	Good
4. Digital camera	2004	70000	Good
5. OHP	2004	5000	Good

# 1.8 Details SAC meeting\* conducted in the year

Sl.	Date	Number of	Salient Recommendations	Action taken
No		participants	1. The Annual action plan 2007- 08 was	
			approved unanimously by the Committee	
			after thorough discussion.	
			2. Trust area identified was categorized on	
			priority basis and approved	Implementation
			3. Marketing of Agricultural products	of programme
			should be taken as on top priority for	will be taken up
	17.08.07	12	which post harvest technology training be	considering the
			imparted immediately.	SAC
			4. Soil and water conservation component	recommendations
			should be a regular feature in KVK	
			activities.	
			5. Emphasis should also be given on	
			Landscape and floriculture	
			6. To tie over the financial constrain KVK	
			should proposed viable scheme and	
			approach Host Institute and the State	
			Government for necessary funding.	

<sup>\*</sup>Attach a copy of SAC proceedings along with list of participants

# 2. DETAILS OF DISTRICT (2006-07)

## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

Sl.	Farming system/enterprise
no	
1	The major farming system comprise of Agriculture, Horticulture and Animal Husbandry.
	However, in terms of overall contribution, agriculture is the primary source followed by
	horticulture, animal husbandry and other enterprises. Whereas, 86% of the people are engaged
	in various agricultural activities of which 70.8% of the total cultivated area is under Jhum,
	which produce only their subsistence.

# 2.2 Description of Agro-climatic zone & major agro ecological situation (based on soil and topography)

Sl.	Agro Climatic Zone	Characteristic
No		
1	Mid- Tropical Hill Zone	Foot hills with warm sub-tropical climate
	(Medziphema)	Mid altitude and lower ranges have moderate
		sub-Montane climate
		<ul><li>Higher altitude is cool during winter and</li></ul>
		occurrence of frost

Sl.	Agro Ecological	
No	Situation (AES)	Characteristic
		Below 500 metres msl, Tropical Climate (Humid), Foot-hills and Rain
		forest. Major Crops include Paddy, Maize, Mustard, Sesamum, French
1	AES –I	Bean, Tapioca, Colocassia, Ginger, Orange, Pineapple, Banana,
		Mango, Betal vine, Arecanut, Cashew, Piggery, goatery, fishery,
		duckery etc.
		500-1000 metres msl, Sub-Tropical Climate, Sub-Montane Lower
2	AES – II	Ranges with Rain forest type. Popular crops are Paddy, Millets,
	AES – II	cowpea, Groundnut, Tapioca, ginger, chillies, Tea, Castor, Bee-
		keeping, Piggery, Poultry, dairy etc.
3		1000-1500 metres msl, Sub-Temperate Climate, Sub-Montane Higher
	AES – III	Ranges and Mixed forest. Major crops are Paddy, maize, French bean,
		Rice bean, Soybean, Faba Bean, field Pea, Potato, Tapioca, Sweat

		potato, Banana, Passion fruit, Cucumber, Citrus, Tea, Coffee,						
		Cardamom, Mulberry, Citronella, Piggery, Poultry, Dairy						
		Above 1500 metres msl, Temperate Climate, High Hills and Mountains						
		with Coniferous forests. Paddy, maize, Rice bean, Cole crops, tomato,						
4	AES – IV	Potato, Green leafy vegetables, ginger, Tapioca, Sweat potato, Chow						
	chow, passion fruit, Plum, Pears, Peach, Kewi, Cardamo							
		Piggery, Goatery, Mulberry etc.						

# 2.3 Soil types

Sl. No.	Soil Type	Characteristic	Area in ha.
		20-35% clay	120000
1	Sandy clay loam	28% silt	
		45% more sand	
		P <sup>H</sup> 4-5	
		27-40% clay	40000
2	Clay Loam	20-45% sand	
		Medium organic matter	
		P <sup>H</sup> 4-5	
3	Forest Soil	Broad leaves rain forest, evergreen,	50
		temperate climate, high organic matter,	
		dark brown soil with P <sup>H</sup> 4	

# 2.4. Area, production and productivity of major crops cultivated in the district

Sl.No.	Сгор	Crop Area (Ha.)		Productivity (q/ha.)
1	Jhum Paddy	12,045.00	23,5276	19.5
2	TRC Paddy	4,696.00	12,4307	26.5
3	Maize	1,028.00	1,6219	15.9
4	Millets	7.86	100.1	12.7
5	Rice Bean (Naga Dal)	93.34	1602.3	17.2
6	Beans	90.50	1820	20.1
7	French Bean (Kolar)	41.12	705.6	17.2
8	Ground Nut	18.00	235	1.31
9	Sesamum	24.00	120	05.0

10	Soybean	161.00	2470	15.3	
11	Sunflower	10.80	104	09.6	
12	Mustard	795.00	5000	06.3	
13	Sugarcane	54.00	2290	42.4	
14	Potato	125.00	8700	69.6	
15	Sweet Potato	170.00	1,0200	60.0	
16	Tea	520.00	1600	03.1	
17	Coffee	5.00	160	32.0	
18	Tapioca	1,050.00	30,8860	294.2	
19	Colocassia	1500	20,067	16.8	
20	Yam	120.00	1,2300	102.5	
21	Orange	460	7650	16.6	
22	Banana	270	39000	144.4	
23	Pineapple	340	3300	9.7	
24	Passion Fruit	908	1500	1.6	
25	Pears	16	3500	218.7	
26	Litchi	80	180	2.2	
27	Areca nut	44	600	15	
28	Coconut	70	-	-	
29	Papaya	21	3100	147.6	
30	Guava	9	320	35.5	
31	Mango	8	220	27.5	
32	Peach	2	40	20	
33	Tomato	28	7600	271.4	
34	Ginger	80	5000	62.5	
35	Chili	42	1800	42.8	

## 2.5 Weather data

Months	Rainfall (mm)	Temper	ature °C	Relative Humidity
		Maximum	Minimum	(%)
October 2006	101.4	26.7	17	76
November 2006	20.5	22.3	13.6	73
December 2006	3.0	19.5	9.7	72
January 2007	2.5	18.3	8.5	69
February 2007	63.7	18.8	9.6	73
March 2007	31.7	23.9	13	62
April 2007	115	24.8	15.6	74
May 2007	171.1	28.2	19.2	75
Jun 2007	287.6	28.3	19.7	82
July 2007	292.4	27.8	20.4	82
August 2007	324	28.1	20.4	85
September 2007	306.3	27.7	19.4	80

# 2.6 Production and productivity of livestock, poultry, fisheries etc in the district

Category	Population	Production	Productivity	
Cattle				
Crossbred	20500	300 MT (Milk)	8 litrs/day	
Indigenous	10655	50 MT (Milk)	2 litrs/day	
Buffalo	1165	Use for drought purpose		
Sheep		,		
Crossbred	-	-	-	
Indigenous	-	-	-	
Goats	7626	-	-	
Pigs				
Crossbred	61980	6000 M.T. (Meat)	100 kg/annum	
Indigenous	1094	-	-	
Rabbits	1980	-	-	
Poultry				
Hens	315887			
Desi	225628	451 M.T. (Meat)	61 kg in 6 months	
Improved	90259	250 M.T (Meat)	1 kg in one month	
Ducks	8171	-		
Turkey and others	-			

Category	Area	Production	Productivity
Fish	159.22 ha	-	800 kg/ha/annum
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

# 2.7 Details of Operational area/Villages (2006-07)

Sl. no	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problems identified	Identified thrust area
1	Mokokchung	Kobulong	Mopungchuket	Paddy,	Productivity is low in all	Production of
				tapioca,	the major crops due to	oilseeds and
				maize,	non adoption of new	pulses on
				vegetables	technology	commercial
						scale
2.	Mokokchung	Ongpangkong(N)	Chungtia	Paddy,	1. Productivity is low in	1. Production of
				tapioca,	all the major crops due	oilseeds and
				maize,	to non adoption of new	pulses on
				vegetables,	technology	commercial
				orange etc	2. Citrus decline	scale
						2. Rejuvenation
						of citrus
						plantation.

2.8 Priority thrust areas

Sl. no		Thrust areas
1	>	Popularization of SARS Series Paddy Cultivation
2	>	Dissemination of Jhum Identification and Fallow Management Technology
3	>	Production of Organic Manures
4	>	Goat Rearing and Fodder Production
5	>	IPM
6	>	Land Development and Farm Mechanization
7	>	Agriculture Marketing
8	>	Pulses and Oilseed Production
9	>	Production and Processing of Tapioca
10	>	Production of Winter Vegetables

#### 3. TECHN ICAL ACHIEVEMENTS

#### 3.1.A Abstracts of interventions undertaken

Sl.	Thrust	Crop/	Identified	Interventions					
no	area	enterprise	problem	Title	Title of FLD	Title of	Title of	Extension	Supply
				of		training if	training	activities	of seeds,
				OFT		any	for		planting
							extensio		materials
							n		etc
							personn		
							el if any		
1	Production	Compost,	Non	-	Production of	Technique	-	Leaflets &	-
	of Organic	vermicompost	availability of		compost and	of vermin		demonstratio	
	Manure		compost and		vermicompost	culture and		ns	
			vermicompost			composting			
2	Oilseed &	Rapeseed &	Lack of	-	Demonstration	-	-	Leaflets &	-
	Pulses	Pea	suitable		on TS-38 &			demonstratio	
	Production		varieties		Azad			ns	

#### 3.1.B Details of each On Farm trial to b furnished in the following format

- 1) Title of On Farm trials
- 2) Problem diagnose
- 3) Details of technologies selected for assessment/refinement
- 4) Source of technology
- 5) Production system and thematic area
- 6) Performance of technology with reference with performance indicator
- 7) Final recommendation for micro level situation
- 8) Constraints identified and feedback for research
- 9) Process of farmers participation and their reaction

#### 3.1.C Results of On Farm Trials

Crop/ enterp rise	Farmin g situatio n	Proble m diagno sed	Title of OFT	No. of trial s	Technol ogy assesse d	Paramete rs of assessme nt	Data on the parame ter	Results of assessm ent	Feedb ack from the farme rs	Any refin eme nt done	Justif icatio n for refine ment
1	2	3	4	5	6	7	8	9	10	11	12

<sup>\*</sup>No. of farmers

Technology assessed/refined	*Production per unit	Net return (profit) in Rs/unit	BC ratio
13	14	15	16

<sup>\*</sup> Field crops – kg/ha, \* for horticultural crops – kg or t/ha, \* milk and meat – litres or kg/animal,

<sup>\*</sup> for mushroom and vermi compost – kg/unit area

<sup>\*\*</sup> Give details of the technology assessed or refined and farmers practice

#### 3.2 Achievements of Frontline Demonstrations

a. Follow-up for results of FLDs implemented during the previous years
 List of technologies demonstrated during previous year and popularized during 2006-07 and recommended for large scale adoption in the district

Sl.	Thematic Area*	Technology	Details of Popularization	Horizontal s	pread of te	chnology
No		demonstrated	methods suggested to the Extension system	No. of villages	No. of farmers	Area in ha.
1	Oilseed TS-38	Moisture stress tolerant & late sowing of rapeseed.	Trainings & Demonstrations	2	4	2
2	Pulses Azad	High yielding & resistance to powdery mildew.	Trainings & Demonstrations	2	4	2

<sup>\*</sup> Thematic areas as given in table 3.1 (A1 and A2)

b. Details of FLDs implemented during 2006-07 (information is to be furnished in the following three tables for each category i.e cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops)

Sl. no	Crop	Thematic area	Technology demonstrated	Season and	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in
				year	Propo sed	Actua l	SC/ ST	Others	Total	achievement
1.	Rapeseed	Increased production through double cropping	Late and line sowing	Rabi 2006	3	2	4		4	Time constraint

Sl. no	Crop	Thematic area	Technolog y	Season and	Area (ha)			f farmers/ nstration	Reasons for shortfall in	
			demonstra ted	year	Proposed	Actual	SC/ ST	Others	Total	achievement
		Increased	Use of							Shortage of
1	Doo	production	high	Rabi						required
1	Pea	through double	yielding	2006	3	2	4		4	inputs
		cropping	variety							

Sl. no	Crop	Thematic area	Technology demonstrated	Season and	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in
				year	Proposed	Actual	SC/ ST	Others	Total	achievement
		Intercropping	Use of	Kharif						Shortage of
1	Arhar	with paddy	dwarf and	2006	3	2	4		4	inputs
			short							
			duration							
			variety							

# Details of farming situation

Crop	Season		Soil	S	tatus of S	oil				Ħ	ys
		Farming situation (RF/Irrigated)	type	N/OC	P	K	Previous Crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
Rapse	Rabi	Rainfed	Silt	2.4%	5.5	62.3	Paddy	31.10.06	25.02.07	38.22	24
ed			loam		kg/ha	kg/ha					
Arhar	Kharif	Raibfed	Silt loam	2.2%	5.2 kg/ha	61.2kg /ha	Paddy	18.04.06	15.11.06	203.6	97
Pea	Rabi	Rainfed	Silt loam	2.4%	5.6 kg/ha	62.8 kg/ha	Paddy	31.10.06	25.02.07	38.22	24

#### **Performance of FLD**

Sl. no	Crop	Technology demonstrated	Variety	No. of farme	Area (ha)	Demo. Yield (q/ha)			Yield of local check (q/ha)	Increase in yield (%)	Data param relati techn demons	eter in on to ology
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Pea	Use of high	Azad	4	2	75.3	71.4	73.35	62.5	17.36		
		yielding				(gree	(green	(green				
		variety				n	pod)	pod)				
						pod)						
2	Rape	Late and line	TS 38	4	2	5.63	4.1	4.86	3.96	22.7		
	seed	sowing										
3	Arhar	Use of dwarf	Manak	4	2	14.77	11.3	13.03	10.9	19.51		
		and short										
		duration										
		variety										

NB: Attach few good action photographs with title at the back with pencil



FLD on Oilseed at Chungtia



FLD on Oilseed at Mopungchuket



FLD on Pulses (Ahar-Variety Manak)



FLD on Pulses (Pea-Variety Azad)

## **Economic impact (continuation of previous table)**

Average cost of cultivation (Rs/ha)		Average gross return (Rs/ha)		Average Net ret (Rs/ha		Benefit-cost ratio (gross return/gross
Demonstration	Local check	Demonstration	Local check	Demonstration Local check		cost)
14	15	16	17	18	19	20
3000	2000	73350	62500	70350	60500	
2500	1500	4860	3960	2360	860	
2500	1500	13030	10900	10530	9030	

# Analytical review of component demonstrations (details of each component for rainfed/irrigated situations to be given separately for each season)

Сгор	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
		1. Seed/variety: TS - 38	Rainfed	4.86 q/ha	3.96 q/ha	22.7 %
		2. Bio-fertilizer				
Rapeseed	Rabi	3. Fertilizer				
		management				
		4. Plant protection	Fenvelerate			
		5. Combination of				
		components (pl.				
		specify)				

## Technical fed back on the demonstrated technologies

Sl. no	Feed Back
1	TS – 38 is more moisture stress tolerant than local check (M-27)
2	Branching is compact and hence resistant to lodging problem
3	Pest and disease resistant as compared to local check
4	It gives higher yield than the local check
5	It is late sown variety and suitably fits into cropping season

# Farmers reactions on specific technologies

Sl. no	Feed Back
1	Farmers prefer TS-38 as it is tolerant to moisture stress as the crop is mainly grown under
	rainfed condition
2	Since it has compact branching more plants per unit area can be grown which leads to
	higher yield
3	If there is a buy back policy, farmers are willing to cultivate in commercial scale
4	It can withstand lodging and resistant to leaf rust and powdery mildew.

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
		1. Seed/variety: Azad	Rainfed	73.35	62.5	17.36%
		2. Bio-fertilizer				
Pea	Rabi	3. Fertilizer	20:40 (N:P kg/ha			
		management				
		4. Plant protection	Bavistin			
		5. Combination of				
		components (pl.				
		specify)				

# Technical fed back on the demonstrated technologies

Sl. no	Feed Back
1	Sowing should be completed by early part of October to avoid powdery mildew infestation
2	It is a dwarf variety and hence do not require support for the vines.
3	Plant growth and yield are better than the local check

## Farmers reactions on specific technologies

Sl. no	Feed Back
1	Since market for pea is good the farmers are willing to cultivate in large scale
2	Department officials should give technical guidance in plant protection measures
3	Critical inputs like seeds, fertilizers and PP chemicals should be subsidized.

Стор	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Arhar	Kharif	1. Seed/variety: Manak 2. Bio-fertilizer 3. Fertilizer	Rainfed 20:30 (N:P	13.03	10.9	19.54%
		management 4. Plant protection 5. Combination of components (pl. specify)	kg/ha) Fenvelerate			

# Technical fed back on the demonstrated technologies

Sl. no	Feed Back
1	Manak is a dwarf variety and short duration than the local check (T-9x)
2	Since it is dwarf in nature this variety can be comfortable used as strip cropping in jhum fields.
3	It gives higher yield than the local check.

# Farmers reactions on specific technologies

Sl. no	Feed Back
1	Farmers prefer manak as it takes shorter time for harvesting than the local check.

# Extension and training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	No. of Participants	Remarks
1	Field days	08		311	
2	Farmers Training	30		725	
3	Media coverage	10			
4	Training for extension functionaries	10		250	

### c. Details of FLD on Enterprises

## (i) Farm implements

Name of the implement/ machinery	Crop	No. of farmers	Area (ha)	Performance parameters/ indicators	*Data on Parameter in relation to technology demonstrated		% change in the parame ter	Remarks
					Demo.	Local check		
Tapioca	Tapioca	5	2	2 Q/hour	2	0.5	400	Farmers
chopper					Q/hour	Q/hour		have started
								using the
								machine

<sup>\*</sup> Field efficiency, labour saving etc.

## (ii) Livestock Enterprises

Enterpris	Breed	No. of	No. of	Performan	*Data on	% change in	Rema
e		farmers	animals, poultry birds etc	ce parameters /indicators	Parameter in relation to technology demonstrated	the parameter	rks
					Demo.	Local check	

<sup>\*</sup> Milk production, meat production, egg production, reduction in disease incidence etc

## (iii) Other Enterprises

Enterprise	Variety/	No. of	No.	Performance	*Data on ]	Parameter	%	Remarks
	breed/Species/others	farmers	of	parameters/i	in rela	in relation to		
			units	ndicators	technology		the	
					demonstrated		paramete	
					Demo.	Local	r	
						check		
Mushroom								
Apiary								
Sericulture								
Vermi								
compost								

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

# A) ON CAMPUS

	No. of	No. of participants						
Thematic Areas	courses		Others			SC/ST		
		Male	Female	Total	Male	Female	Total	d total
(A) Farmers & Farm Women		I		ı				
1. Crop production								
Weed management	1				12	13	25	25
Resource conservation technology								
Cropping systems								
Crop diversification	1				11	14	25	25
Integrated farming								
Water management								
Seed production	1				10	15	25	25
Nursery management								
Integrated crop management								
Fodder production								
Production of organic inputs								
II Horticulture	1		1					I.
a. Vegetable crops								
Production of low volume high value								
crops								
Off-season vegetables	1				10	15	25	25
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (green houses,								
shade net etc)								
b. Fruits		l	- 1			<u>     l</u>		I
Training and Pruning	1				12	13	25	25
Layout and management of orchards								
Cultivation of fruits	1				13	12	25	25
Management of young plants/orchards								
Rejuvenation of old orchards								

C. Ornamental plants.  Nursery management Management of potted plants Export potential of ornamental plants Propagation techniques of ornamental plants  Hopping and value addition  C. Ornamental plants  Export potential of ornamental plants Propagation techniques of ornamental plants  Hopping and values of ornamental plants  C. Production and management technology Processing and value addition  C. Tuber crops  Production and management technology Processing and value addition  F. Spices  Production and management technology Production and management technology Production and management technology Processing and value addition	Export potential fruits									
C. Ornamental plants.  Nursery management Management of potted plants Export potential of ornamental plants Propagation techniques of ornamental plants  Hopping and value addition  C. Ornamental plants  Export potential of ornamental plants Propagation techniques of ornamental plants  Hopping and values of ornamental plants  C. Production and management technology Processing and value addition  C. Tuber crops  Production and management technology Processing and value addition  F. Spices  Production and management technology Production and management technology Production and management technology Processing and value addition	Micro irrigation system of orchards									
Nursery management  Management of potted plants  Export potential of ornamental plants  Propagation techniques of ornamental plants  d. Plantation crops.  Production and management technology  Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	Plant propagation techniques									
Management of potted plants  Export potential of ornamental plants  Propagation techniques of ornamental plants  d. Plantation crops.  Production and management technology  Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	c. Ornamental plants.									
Export potential of ornamental plants  Propagation techniques of ornamental plants  d. Plantation crops.  Production and management technology  Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	Nursery management									
Propagation techniques of ornamental plants  d. Plantation crops.  Production and management technology Processing and value addition e. Tuber crops  Production and management technology Processing and value addition f. Spices  Production and management technology Processing and value addition f. Spices  Production and management technology Processing and value addition f. Spices  Production and management technology Processing and value addition	Management of potted plants									
plants  d. Plantation crops.  Production and management technology  Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Processing and value addition	Export potential of ornamental plants									
d. Plantation crops.  Production and management technology  Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	Propagation techniques of ornamental									
Production and management technology Processing and value addition e. Tuber crops Production and management technology Processing and value addition f. Spices Production and management technology Processing and value addition Processing and value addition	plants									
technology Processing and value addition e. Tuber crops Production and management technology Processing and value addition f. Spices Production and management technology Processing and value addition f. Spices Production and management technology Processing and value addition	d. Plantation crops.								l	
Processing and value addition  e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition  Processing and value addition  Processing and value addition	Production and management									
e. Tuber crops  Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	technology									
Production and management technology  Processing and value addition  f. Spices  Production and management technology  Processing and value addition	Processing and value addition									
technology Processing and value addition  f. Spices  Production and management technology Processing and value addition	e. Tuber crops									
Processing and value addition  f. Spices  Production and management technology  Processing and value addition	Production and management									
f. Spices  Production and management technology  Processing and value addition	technology									
Production and management technology Processing and value addition	Processing and value addition									
technology Processing and value addition	f. Spices	l							I.	
Processing and value addition	Production and management									
	technology									
g. Medicinal and Aromatic plants	Processing and value addition									
8 man kanan kanan kanan	g. Medicinal and Aromatic plants	•								
Nursery management	Nursery management									
Production and management	Production and management									
technology	technology									
Post harvest technology and value	Post harvest technology and value									
addition	addition									
III. Soil Health and Fertility Management		ient								
Soil fertility management	Soil fertility management									
Soil and water conservation	Soil and water conservation									
Integrated nutrient management	Integrated nutrient management									
Production and use of organic inputs	Production and use of organic inputs									
Management of problematic soils.	Management of problematic soils.									
Micro nutrient deficiency in crops	Micro nutrient deficiency in crops									
Nutrient use efficiency	Nutrient use efficiency									
Soil and water testing	Soil and water testing									

IV. Livestock Production and Manage	ment		_					
Dairy Management								
Poultry Management								
Piggery Management	1				11	14	25	25
Rabbit Management								
Disease Management	1				15	10	25	25
Feed Management								
Production of quality animal products								
V. Home Science/Women empowerme	ent							
Household food security by kitchen	1				-	15	15	15
gardening and nutrition gardening								
Design and development of								
low/minimum cost diet								
Designing and developing of 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	1				-	20	20	20
VI Agril. Engineering	1	1	1	<u>'</u>			T	
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								

VII. Plant Protection							
Integrated Pest management	1			15	10	25	25
Integrated Disease Management	1			13	12	25	25
Bio-control of pest and diseases							
Production of bio control agents and							
bio pesticides							
VIII. Fisheries.							
Integrated fish farming							
Carp breeding and hatchery							
management							
Carp fry and fingerling rearing							
Composite fish culture	1			13	12	25	25
Hatchery management and culture of							
fresh water 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							
IX. Production of Inputs at site					<u> </u>	I.	l
Seed Production							
Planting material production							
Bio-agents production							
Bio-pesticides production							
Bio-fertilizer production							
Vermi-compost production							
Organic manures production							
Production of fry and fingerlings							
Production of Bee-colonies and wax			1				
sheets							
Small tools and implements							
Production of livestock feed and fodder							
Production of Fish feed			1				
<u> </u>	<u> </u>	 1	1	·	l	1	L

X Capacity Building and Group Dynam	mics					
Leadership development						
Group dynamics						
Formation and management of SHGs						
Mobilization of social capital						
Entrepreneurial development of						
farmers/Youth						
WTO and IPR issues						
XI Agro-forestry		1	·			
Production technologies						
Nursery management						
Integrated Farming Systems						
XII Others (PI. Specify)			•		1	
TOTAL	13		135	175	310	310
(B) RURAL YOUTH			•		1	
Mushroom production						
Bee-keeping						
Integrated farming						
Seed production	1		15	10	25	25
Production of organic inputs						
Planting material production						
Vermi-culture	1		12	13	25	25
Sericulture						
Protected cultivation of vegetable						
crops						
Commercial fruit production	1		13	12	25	25
Repair and maintenance of farm						
machinery and implements						
Nursery Management of Horticulture						
crops						
Training and Pruning of orchards	1		10	15	25	25
Value addition						
Production of quality animal products						
Dairying						
Sheep and goat rearing	1		13	12	25	25
Quail farming						

Piggery						
Rabbit farming	1		15	10	25	25
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	1		12	13	25	25
Tailoring and Stitching						
Rural crafts						
TOTAL	7		90	85	175	175
(C) Extension Personnel			-			
Productivity enhancement in field						
crops						
Integrated Pest Management	1		15	10	25	25
Integrated Nutrient Management						
Rejuvenation of old orchards	1		12	13	25	25
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						
Managament of fame animals						
Management of farm animals						
Livestock feed and fodder production	1		14	11	25	25

Women and child care						
Low cost and nutrient efficient diet						
designing						
Production and use of organic inputs	1		15	10	25	25
Gender mainstreaming through SHGs						
Any other (PI. Specify)						
TOTAL	4		56	44	100	100

#### **B**) OFF CAMPUS

	No. of			No. o	f partic			
Thematic Areas	courses		Others			SC/ST		Grand
		Male	Female	Total	Male	Female	Total	total
(A) Farmers & Farm Women								
1. Crop production								
Weed management	2				24	26	50	50
Resource conservation technology								
Cropping systems								
Crop diversification	1				11	14	25	25
Integrated farming								
Water management								
Seed production	1				14	11	25	25
Nursery management								
Integrated crop management								
Fodder production								
Production of organic inputs								
II Horticulture				I.				
a. Vegetable crops								
Production of low volume high value								
crops								
Off-season vegetables	1				12	13	25	25
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (green houses,								
shade net etc)								

b. Fruits								
Training and Pruning								
Layout and management of orchards	1				14	11	25	25
Cultivation of fruits								
Management of young plants/orchards	1				14	11	25	25
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation system of orchards								
Plant propagation techniques								
c. Ornamental plants.			L	· L		l		
Nursery management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of ornamental								
plants								
d. Plantation crops.			I			I.		
Production and management								
technology								
Processing and value addition								
e. Tuber crops	ı	1		1				
Production and management								
technology								
Processing and value addition								
f. Spices	ı	1						
Production and management								
technology								
Processing and value addition								
g. Medicinal and Aromatic plants			I	1				
Nursery management								
Production and management								
technology								
Post harvest technology and value								
addition								
III. Soil Health and Fertility Managen	nent							
Soil fertility management	1				15	10	25	25
Soil and water conservation	1				13	12	25	25
Integrated nutrient management								
Production and use of organic inputs								
	1	1	1	1		l		

Management of problematic soils.							
Micro nutrient deficiency in crops							
Nutrient use efficiency							
Soil and water testing							
IV. Livestock Production and Manage	ment						
Dairy Management							
Poultry Management							
Piggery Management	1			10	15	25	25
Rabbit Management							
Disease Management	1			13	12	25	25
Feed Management							
Production of quality animal products	1			12	13	25	25
V. Home Science/Women empowerme	nt	1	1				
Household food security by kitchen							
gardening and nutrition gardening							
Design and development of							
low/minimum cost diet							
Designing and developing of high							
nutrient efficiency diet							
Minimization of nutrient loss in							
processing							
Gender mainstreaming through SHGs							
Storage loss minimization techniques							
Value addition	1			-	20	20	20
Income generation activities for							
empowerment of rural women							
Location specific drudgery reduction							
technologies							
Rural crafts							
Women and child care	1			-	20	20	20
VI Agril. Engineering							
Installation and maintenance of micro							
irrigation systems			<u> </u>				
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								
VII. Plant Protection								
Integrated Pest management	1				15	10	25	25
Integrated Disease Management	1				14	11	25	25
Bio-control of pest and diseases								
Production of bio control agents and								
bio pesticides								
VIII. Fisheries.	1	<u>'</u>	1	T			1	
Integrated fish farming	1				13	12	25	25
Carp breeding and hatchery								
management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of								
fresh water 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								
IX. Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax								
sheets								
				_1	l	L	l	

Small tools and implements						
Production of livestock feed and fodder						
Production of Fish feed						
X Capacity Building and Group Dyna	mics					
Leadership development						
Group dynamics						
Formation and management of SHGs						
Mobilization of social capital						
Entrepreneurial development of						
farmers/Youth						
WTO and IPR issues						
XI Agro-forestry	1					
Production technologies						
Nursery management						
Integrated Farming systems						
XII Others (PI. Specify)			101	221	44.5	44.5
(B) RURAL YOUTH	17		194	221	415	415
Mushroom production						
Bee-keeping	1		13	12	25	25
Integrated farming						
Seed production	1		13	12	25	25
Production of Organic inputs	1		14	11	25	25
Planting material production						
Vermi culture						
Sericulture						
Protected cultivation of vegetable						
crops						
Commercial fruit production	1		14	11	25	25
Repair and maintenance of farm						
Repair and maintenance of farm machinery and implements						
	1		14	11	25	25
machinery and implements	1		14	11	25	25
machinery and implements  Nursery management of Horticulture	1		14	11	25	25
machinery and implements  Nursery management of Horticulture crops	1		14	11	25	25
machinery and implements  Nursery management of Horticulture crops  Training and pruning of orchards	_					
machinery and implements  Nursery management of Horticulture crops  Training and pruning of orchards  Value addition	_					

Sheep and goat rearing	1	12	13	25	25
Quail farming					
Piggery					
Rabbit farming	1	11	14	25	25
Poultry production					
Ornamental fisheries					
Para vets					
Para extension workers					
Composite fish culture	1	14	11	25	25
Freshwater prawn culture					
Shrimp farming					
Pearl culture					
Cold water fisheries					
Fish harvest and processing technology					
Fry and fingerling rearing	1	14	11	25	25
Small scale processing					
Post Harvest Technology	1	10	15	25	25
Tailoring and Stitching	1	-	20	20	20
Rural crafts	1	13	12	25	25
TOTAL	13	142	172	314	314
(C) Extension Personnel Productivity enhancement in field	1	13	12	25	25
crops					
Integrated Pest Management	1	14	11	25	25
Integrated Nutrient management					
Rejuvenation of old orchards	1	11	14	25	25
Protected cultivation technology					
Formation and Management of SHGs	1	10	15	25	25
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 of farm animals	1	12	13	25	25

Livestock feed and fodder production						
Household food security						
Women and child care	1		1	21	21	21
Low cost and nutrient efficient diet designing						
Production and use of organic inputs						
Gender mainstreaming through SHGs						
Any other (PI. Specify)						
TOTAL	6		60	86	146	146

# C) Consolidated table (ON AND OFF Campus)

	No. of	No. of participants								
Thematic Areas	course		Others			SC/ST		Gran		
	S	Male	Femal	Total	Mal	Femal	Total	d		
			e		e	e		total		
(A) Farmers & Farm Women										
1. Crop production										
Weed management	3				36	39	75	75		
Resource conservation technology										
Cropping systems										
Crop diversification	2				22	28	50	50		
Integrated farming										
Water management										
Seed production	2				24	26	50	50		
Nursery management										
Integrated crop management										
Fodder production										
Production of organic inputs										
II Horticulture		•		•			•	•		
a. Vegetable crops										
Production of low volume high value crops										
Off-season vegetables	2				22	28	50	50		
Nursery raising										
Exotic vegetables like Broccoli										
Export potential vegetables										
Grading and standardization										
Protective cultivation (green houses,										
shade net etc)										

b. Fruits								
Training and Pruning	1				12	13	25	25
Layout and management of orchards	1				14	11	25	25
Cultivation of fruits	1				13	12	25	25
Management of young plants/orchards	1				14	11	25	25
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation system of orchards								
Plant propagation techniques								
c. Ornamental plants.								
Nursery management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of ornamental								
plants								
d. Plantation crops.		1						
Production and management								
technology								
Processing and value addition								
e. Tuber crops	<u> </u>	1	<u> </u>			L	I.	
Production and management								
technology								
Processing and value addition								
f. Spices	<u> </u>		I					
Production and management								
technology								
Processing and value addition								
g. Medicinal and Aromatic plants	<u> </u>		I	I				
Nursery management								
Production and management								
technology								
Post harvest technology and value								
addition								
III. Soil Health and Fertility Managen			1					
Soil fertility management	1				15	10	25	25
Soil and water conservation	1				13	12	25	25
Integrated nutrient management								
Production and use of organic inputs								
	<u> </u>	1	1		L	L	<u> </u>	

Management of problematic soils.							
Micro nutrient deficiency in crops							
Nutrient use efficiency							
Soil and water testing							
IV. Livestock Production and Manage	ement	1 1				<u> </u>	
Dairy Management							
Poultry Management							
Piggery Management	2			21	29	50	50
Rabbit Management							
Disease Management	2			28	22	50	50
Feed Management							
Production of quality animal products	1			12	13	25	25
V. Home Science/Women empowerme		1					
Household food security by kitchen	1			-	15	15	15
gardening and nutrition gardening							
Design and development of							
low/minimum cost diet							
Designing and developing of high							
nutrient efficiency diet							
Minimization of nutrient loss in							
processing							
Gender mainstreaming through SHGs							
Storage loss minimization techniques							
Value addition	1			-	20	20	20
Income generation activities for							
empowerment of rural women							
Location specific drudgery reduction							
technologies							
Rural crafts							
Women and child care	2			-	40	40	40
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								
VII. Plant Protection	T	1	Т	1				
Integrated Pest management	2				30	20	50	50
Integrated Disease Management	2				27	23	50	50
Bio-control of pest and diseases								
Production of bio control agents and								
bio pesticides								
VIII. Fisheries.								
Integrated fish farming	1				13	12	25	25
Carp breeding and hatchery								
management								
Carp fry and fingerling rearing								
Composite fish culture	1				13	12	25	25
Hatchery management and culture of								
fresh water 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								
IX. Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								

Small tools and implements							
Production of livestock feed and fodder							
Production of Fish feed							
X Capacity Building and Group Dyna	mics						
Leadership development							
Group dynamics							
Formation and management of SHGs							
Mobilization of social capital							
Entrepreneurial development of							
farmers/Youth							
WTO and IPR issues							
XI Agro-forestry							
Production technologies							
Nursery management							
Integrated Farming systems							
XII Others (PI. Specify)	1		L				
TOTAL	30			329	386	725	725
(B) RURAL YOUTH  Mushroom production	1	<u> </u>					
*	1			13	12	25	25
Bee-keeping  Integrated forming	1			13	12	23	
Integrated farming	2			20	22	70	<b>50</b>
Seed production	2			28	22	50	50
Production of Organic inputs	1			14	11	25	25
Planting material production							
Vermi culture	1			12	13	25	25
Sericulture							
Protected cultivation of vegetable							
crops							
Commercial fruit production	2			27	23	50	50
Repair and maintenance of farm							
machinery and implements							
Nursery management of Horticulture	1			14	11	25	25
crops							
Training and pruning of orchards	1			10	15	25	25
Value addition	1			-	19	19	19
Production of quality animal products							
Dairying							
			J				

Sheep and goat rearing	2	25	25	50	50
Quail farming		23	23	30	30
Piggery				1	
Rabbit farming	2	26	24	50	50
Poultry production		20	24	30	30
Ornamental fisheries					
Para vets		+			
Para extension workers		+			
Composite fish culture	1	14	11	25	25
Freshwater prawn culture	1	14	11	23	23
				<u> </u>	
Shrimp farming Pearl culture				<u> </u>	
		+		<u> </u>	
Cold water fisheries		<del>                                     </del>		<u> </u>	
Fish harvest and processing technology	-	1.4	1.1	25	2.5
Fry and fingerling rearing	1	14	11	25	25
Small scale processing					
Post Harvest Technology	2	22	28	50	50
Tailoring and Stitching	1	-	20	20	20
Rural crafts	1	13	12	25	25
TOTAL	20	232	257	489	489
(C) Extension Personnel		 	,		1
Productivity enhancement in field	1	13	12	25	25
crops					
Integrated Pest Management	2	29	21	50	50
Integrated Nutrient management					
Rejuvenation of old orchards	2	23	27	50	50
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 of farm animals	1	12	13	25	25
Livestock feed and fodder production	1	14	11	25	25
Household food security					
Women and child care	1	-	21	21	21
Low cost and nutrient efficient diet		1			
designing					
Production and use of organic inputs	1	15	10	25	25
Gender mainstreaming through SHGs					
Any other (PI. Specify)		+		1	

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

Date	Clientele	Title of the training	Duration in days	Venue (Off/On	1 0					
		programme		campus	Male Female Total		Male	Female	Total	

# (D) Vocational training programmes for Rural Youth

Crop/	Identified	Training	Duration	No. of	f participa	ants	Self en	ployed afte	r training	Number of
enterpri se	Thrust area	title*	(days)	Male	Femal e	Tot al	Type of unit	Number of units	Number of per	person employed
									employed	else where

<sup>\*</sup> Training title should specify the major technology/skill transferred

# (E) Sponsored Training Programmes

Sl. no	Title	Them atic	Month	Dura tion	Clien t	No. of			No. of	partic	ipants			Spon so
		area		(days	PF/R	cours	Male Female Total				ring			
				)	Υ/	es	Ot	SC/	Ot	SC/	Ot	SC/	Tot	agenc
					EF		her	ST	her	ST	her	ST	al	$\mathbf{y}$
			_			_	S		S		S			
1	Goat rearing		June	3	PF	2		27		23		50	50	Vety.
														Deptt.
2	Organic		March	3	PF	2		20		25		45	45	SARS
	farming													
3	Orchard		May	2	EF	1		22		18		40	40	Horti.
	management													Deptt.
4	Post harvest		Sept.	4	EF	2		24		21		45	45	Agri.
	technology													Deptt
5	Kharif crop		April	3	RY	2		23		27		50	50	Agri.
	production													Deptt
6	Tea		July	5	RY	3		21		29		50	50	Agri.
	technology													Deptt
	Total			20		12		137		143		280	280	

# 3.4 Extension Activities (including activities of FLD programmes)

Nature of extension	No. of activities		Farmers.		Exte	ension Off	ficials		Total	
activities	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field day	3	50	45	95	9	6	15	59	54	113
Kisan mela										
Kisan Ghosthi	8									
Exhibition	1									
Film Show	5	45	40	85	15	10	25	60	50	110
Method demonstration										
Farmers Seminar	2	28	30	58				28	30	58
Workshop										
Group meetings	3	35	30	65				35	30	65
Lectures delivered as	3	30	45	75				30	45	75
resource person										
Newspaper coverage	2									
Radio talk	3									
TV talk										
Popular articles										
Extension Literatures	16									
Advisory services	3	35	25	60				35	25	60
Scientific visit to farmers	8									
field										
Farmers visit to KVK	6	36	33	69				36	33	69
Diagnostic visit										
Exposure visits										
Ex-trainees Sammelan										
Soil health camp										
Animal health camp	4	55	40	95	20	15	35	75	55	130
Agri mobile clinic										
Soil test campaign										
Farm science club										
Convenors meetings										
Self Help Group	2	11	20	31				11	20	31
Conveners meetings										
Mahila Mandals										
Conveners meetings										
Celebration of important										
days (specify) Any other (specify)										
Total		325	308	633	44	31	75	369	342	711

## 3.5 Production and supply of Technological products

# **SEED MATRIALS**

Sl. No	Crop	Variety	Quantity (Qtl)	Value (Rs)	Provided to No. of farmers
CEREALS					
OILSEEDS	Rapeseed	TS 38	3.2	4800/-	26
PULSES	Rice bean	Dwarf (Local)	3.5	7000/-	32
	Pea	Azad	3.0	4500/-	23
VEGETABLES					
FLOWER					
CROPS					
OTHERS					
(specify)					

## **SUM M ARY**

Sl. No	Crop	Quantity (Nos)	Value (Rs)	Provided to no. of farmers
1. CEREALS				
2. OILSEEDS	Rapeseed	3.2	4800/-	26
3. PULSES	Rice bean, Pea	6.5	11500/-	55
4. VEGETABLES				
5. FLOER CROPS				
6. OTHERS				
	TOTAL	9.7	16300/-	81

### PLANTING MATERIALS

Sl. no	Crop	Variety	Quantity (nos)	Value (Rs)	Provided to No. of farmers
FRUITS					
SPICES					
VEGETABLES					
FOREST SPECIES	Alder	Local	2500	12500/-	32
ORNAMENTAL					
CROPS					
PLANTATION CROPS					
OTHERS (specify)	Jatropha	-	15,000	75,000/-	22

### **SUMMARY**

Sl. no	Сгор	Quantity (nos)	Value (Rs)	Provided to No. of farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES	2500	12500	32
5	ORNAMENTAL CROP			
6	PLANTATION CROP			
7	OTHERS	15,000	75,000	22
	TOTAL	17,500	87,500	54

### **BIOPRODUCTS**

Sl. No	Product name	Species	Qu	antity	Value (Rs)	Provided to No. of farmers	
		_	No.	Kg			
BIOAGENTS							
1							
BIOFERTILIZERS							
1							
BIOPESTICIDES							
1							

## SUMMARY

Sl.	Product name	Species	Quantity		Value (Rs)	Provided to no.
no			No.	Kg		of farmers
1	BIOAGENTS					
2	BIOFERTILIZER					
3	BIOPESTICIDE					
	TOTAL					

## LIVESTOCK

Sl. No	Type	Breed	Quantity		Value (Rs)	Provided to
			Nos	Kgs		No. of farmers
CATTLE						
SHEEP AND GOAT						
POULTRY						
FISHERIES						
OTHERS(specify)						

#### **SUMMARY**

Sl. No	Type	Breed	Quantity		Value (Rs)	Provided to No.
			Nos	Kgs		of farmers
1. CATTLE						
2. SHEEP AND GOAT						
3. POULTRY						
4. FISHERIES						
5. OTHERS(specify)						
TOTAL						

(A) KVK News Letter (Date of start, number of copies distributed etc)

## (B) Literature developed/published

Item	Title	Authors name	Number
Research paper			
Technical reports			
News letter			
Technical bulletins			
Popular articles			
Extension	1. Entsülashi Lu ayimba (Package of practices of passion		300
literatures	fruit cultivation)		
(leaflets)	2. Sumomo Lu ayimba (Package of practices of Banana cultivation)		250
	3. Naring Lu ayimba (Package of practices of orange cultivation)		250
	Tzüla Mol yangluba inyakyim aser amshiyim (Vermi compost)		200
	5. Manü Lu ayimba (Package of practices of Colocassia		250
	cultivation) 6. Ak metsüba yimya (Piggery management )		250
	7. Ango metsüba yima (Fishery Management)		200
	8. Ayung nung Angu metsüba Inyakyim (Package of practice of Riverine Fish)		200
	9. Trichogramma amshia mesen tepsetba (Use of Trichogramma for controlling pest)		200
	10. Some facts about Bt-Cotton		200
	11. Management of Parthenium Hysterophorus 1. (Congress Grass)		200
	12. Ozu Tashidak (Bird flu)		250
	13. Piyas lu ayimba yimya (Package and practices of onion cultivation)		200
	14.Süngmok lu ayimba yima (Package of practices of ginger cultivation)		350
	15. Nagaland nung aonsotsü lu ayimtsü inyakyim (Package		350
	of practices of vegetable cultivation in Nagaland)		500
	16. Nagaland nung Amshitsü Tsük Metsü tajungtem (Rice		
04(	variety suitable for Nagaland)		
Others (specify) TOTAL			
IOIAL			

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

Sl. No	Type of media (CD/VCD/DVD/	Title of the programme	Number
	Audio-cassette		

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

#### **Success Story of Women SHG (Vermi compost)**

A women SHG comprising of 12 members was formed on 15<sup>th</sup> March 2004 under KVK adopted Mopungchuket Village. The rules and regulations to run the SHG was framed with the help of Programme Coordinator and got approved by the Village Council. In the initial stage each group member contributed Rs. 500/- towards the fund and Rs.10,000/- was given as loan from the KVK revolving fund. The whole amount was then deposited in Joint Bank Account NSCB – 11404 Mokokchung Branch. The group then took loan from the Bank and vermi composting shed was constructed. In the beginning of 2005 a Training on Vermi Compost making was imparted to the SHG members at KVK Yisemyong.

The group took the work very sincerely and ventured into the vermi compost production and by August 2005 they harvested the compost 3 times. The total quantity sold during 2005 – 2006 is 1,500 kgs. Apart from sale of compost, live earthworms are also in high demand and the group has supplied 40,000 worms to various individuals and groups. Their total income now stands at Rs.25,000/-. The SHG is planning to expand the production in order to meet the local demand by constructing more composting units. Seeing their success many farmers and private entrepreneurs are now coming forward to take up vermi compost.

The groups have created awareness among the farming community about the importance and prospect of using vermi compost for organic crop production. This will definitely pave the way for farmers to switch over to organic farming without hesitation.





- 3.8 Give details of innovative m methodology or innovative techno logy 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 to technology development (in detail with suitable photographs)

Sl. 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 : PRA

- Rural Youth : PRA

- Inservice Personnel : PRA

#### 3.11 Field activities

i. Number of village adopted : 1

ii. No. of farm families selected : 50

iii. No. of survey/PRA conducted : 3

#### 3.12 Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : NIL

1. Year of establishment : NIL

2. List of equipments purchased with amount : NIL

Sl. No	Name of equipment	Qty.	Cost
1			
2			
3			
	Total		

3 Details of samples analysed so far : NIL

Details	No. of samples	No. of farmers	No. of villages	Amount realized
Soil samples				
Water samples				
Total				

#### **4.0 IMPACT**

## 4.1 Impact t of KVK activities (Not to be restricted for reporting period

Name of specific	No. of	% of	Change of in	ncome (Rs)
technology/skill	participants	adoption	Before (Rs/unit)	After (Rs/unit)
transferred				
Homestead gardening	10	55	3000	5000
Line sowing of mustard	12	12	1500	3000
IPM on vegetable crops	8	42	1000	2500
Ginger cultivation	10	50	3000	5000
Banana cultivation	10	50	3500	6000

N.B Should be based on actual study, questionnaire/group discussion etc with x-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					
State Agricultural Research Station	Joint implementation in conducting training,					
(SARS) Yisemyong, AICRIP	demonstration, meeting etc.					
DAO, DHO, DVO, DSCO in the	Conducting training, demonstration programmes					
district						
NEPED (IDRC) Kohima	Implementing NEPED Research activities					
ICAR, KVK Jharnapani, NU	Consultation, meeting and exchange of technologies					
AIR Doordashan Mokokchung	Technology dissemination through broadcasting media					
	through AIR by staff of KVK.					

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

# 5.2 List of special programmes undertaken by the KV K which have been financed by State Govt. /Other Agencies

Name of the scheme	Date/month of initiation	Funding agency	Amount (Rs)

## **5.3 Details of linkage with ATMA**

a) Is ATMA implemented in your district Yes //No

Sl. no	Programme	Nature of linkage	Remarks
1	Preparation of SREP	Man power	
2	Training, Demonstration, Exhibition	Resource person and	
		programme implementation	

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

S	l. no	Programme	Nature of linkage	Constraints if any	

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

Sl. no	Programme	Nature of linkage	Remarks	

#### 6.0 PERFORMANE OF INFRASTRUCTURE IN KVK

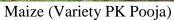
#### **6.1** Performance of demonstration units (other than instructional farm)

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

## **6.2** Performance of instructional farm (crops) including seed production

Name of	Date of	Date of	Area	Details of production			Amou	unt (Rs)	Rem
the crop	sowing	harvest	(ha)	Variety	Type of produce	Qty (Kg)	Cost of inputs	Gross income	arks
Cereals									
1. Maize	08.05.06	08.09.06	0.003	P.K pooja	Grain	89.25	200	892	Good
Pulses.									
1. Pea	18.10.06	08.01.07	0.017	Azad	Pod	204	400	1632	Good
		08.01.07	0.019	Arkel	Pod	209	600	1672	
2. Cowpea	18.10.06	16	0.003	NS 634	Bean	690	800	3450	Good
		picking							
Oilseeds									
1. Mustard	24.10.06	23.02.07	0.003	TS 38	Seed	12	200	880	Average
Fibers									
Spices & Pla	ntation crop	S							
Floriculture									
Fruits									
Vegetables									
1.Knol khol	19.10.06	10.01.07	0.002	EWV	-	400	600	2000	Average
2.Ginger	17.03.06	23.02.07	0.002	Mongti	Rhizome	160	300	960	Average
3. Tomato	15.11.06	25.02.07	0.003	CK 19	Fruit	663	750	3315	Good
4. Potato	17.10.06	12.02.07	0.003	-	Tuber	300	400	1800	Average
5. Turnip	19.10.06	20.12.06	0.003	Purple top		450	600	2250	Good
6. Chilly	20.04.07	22.06.07	0.095	a. Pusa	Fruit	71.25	250	1050	Average
		to		Jawala b. Longsa					
		19.08.07		c. Lotha					
Others									
(specify)									







Pea (Variety Azad)



Pea (Variety Arkel



Tomato (Variety CK-19)



Harvested (Ginger)







Ginger (Nadia variety)



Varietal trial on Chilly







Cowpea (Variety NS 634)

Cowpea (Variety NS 634)

# 6.3 Performance of production units (bio-agents/bio pesticides/ bio fertilizers etc)

Sl. No	Name of the product	Qty.	Amount (Rs)		Remarks
			Cost of inputs	Gross income	

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

Sl. No	Name of the animal/	Details of production			Amou	Remarks	
	bird/aquatic	Breed	Type of	Qty.	Cost of	Gross	
			produce	-	inputs	income	

#### **6.5** Utilization of hostel facilities

Accommodation available (No. of beds) -

Months	No. of trainees	Trainee days (days	Reason for short fall
	stayed	stayed)	(if any)
October 06	15	4	
November 06	23	5	
December 06	-	-	
January 07	25	3	
February 07	20	3	
March 07	27	2	
April 07	-	-	
May 07	30	3	
June 07	-	-	
July 07	26	4	
August 07	22	3	
September 07	-	-	

Used SARS Farmers hosted 30



### 7.0 FINANCIAL PERFORMANCE

#### 7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account number
With Host Institute	SBI	Leire, Kohima	01000050059
With KVK	SBI	Mokokchung	01000050913

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

	Released by ICAR		Expe	Unspent	
Item	Kharif	Rabi	Kharif	Rabi	balance as on
	2006	2006-07	2006	2006-07	1 <sup>st</sup> April 2007
Inputs	0.053	0.028	0.053	0.028	
Extension activities	0.067	0.033	0.067	0.033	NIL
TA/DA ETC	0.051	0.01381	0.051	0.01381	
TOTA/	0.171	0.07481	0.171	0.07481	

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

	Released by I	CAR	Expenditure		Unspent
Item	Kharif	Rabi	Kharif	Rabi	balance as on
	2006	2006-07	2006	2006-07	1 <sup>st</sup> April 2007
Inputs	0.031	0.025	0.031	0.025	
Extension activities	0.029	0.031	0.029	0.031	NIL
TA/DA ETC	0.01481	0.01525	0.01481	0.01525	
TOTA/	0.07481	0.07125	0.07481	0.07125	

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

	Released by ICAR		Expen	Unspent	
Item	Kharif 2006	Rabi 2006-07	Kharif 2006	Rabi 2006-07	balance as on 1 <sup>st</sup> April 2007
Inputs					
Extension activities					
TA/DA ETC					
TOTA/					

# 7.5 Utilization of KV K funds during the year 2006-07 and 2007-08 (upto Sept. 2007) (year wise separately) (current year and previous year)

2006 - 07

Sl.	<b>Particulars</b>	Sanctioned	Released	Expenditure						
no										
A. R	A. Recurring Contingencies									
1	PAY AND ALLOWANCES	20,00,000	18,07,053	21,42,227						
2	Travelling allowances	50,000	50,000	50,000						
3	Contingencies	2,00,000								
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (purchase of Newspaper & magazine	50,000	50,000	50,000						
В	POL, Repair of vehicles, tractor and equipments	55,000	55,000	55,000						
С	Meals/refreshment for trainees (ceiling upto Rs 40/day/trainee be maintained)	54,000	54,000	54,000						
D	Training materials (posters, charts, demonstration material including chemicals etc required for conducting the training	15,000	15,000	15,000						
Е	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	NIL	NIL	NIL						
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	NIL	NIL	NIL						
G	Training of Extension Functionaries	26,000	26,000	26,000						
Н	Maintenance of buildings	NIL	NIL	NIL						
I	Establishment of Soil, Plant & Water	NIL	NIL	NIL						
	Testing laboratory									
J	library	NIL	NIL	NIL						
	TOTAL (A)	25,50,000	20,57,053	13,92,227						

B. N	B. Non-Recurring Contingencies						
1	Works	NIL	NIL	NIL			
2	Equipments including SWTL & Furniture	NIL	NIL	NIL			
3	Vehicle (Four wheeler/Two wheeler, Please	NIL	NIL	NIL			
	specify)						
4	Library (purchase of assets like books &	NIL	NIL	NIL			
	journals)						
TOT	TAL B	NIL	NIL	NIL			
C. R	C. REVOLVING FUND		NIL	NIL			
GRA	AND TOTAL (A+B+C)	25,50,000	20,57,053	13,92,227			

# 2007 -08 (Upto September 2007)

Sl.	Particulars Particulars	Sanctioned	Released	Expenditure						
no										
A. Rec	A. Recurring Contingencies									
1	PAY AND ALLOWANCES	24,00,000	10,41,017	10,41,017						
2	Travelling allowances	75,000	NIL	NIL						
3	Contingencies	4,00,000								
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (purchase of Newspaper & magazine	NIL	NIL	NIL						
В	POL, Repair of vehicles, tractor and equipments	NIL	NIL	NIL						
С	Meals/refreshment for trainees (ceiling upto Rs 40/day/trainee be maintained)	NIL	NIL	NIL						
D	Training materials (posters, charts, demonstration material including chemicals etc required for conducting the training	NIL	NIL	NIL						
Е	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	NIL	NIL	NIL						
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	NIL	NIL	NIL						
G	Training of Extension Functionaries	NIL	NIL	NIL						
Н	Maintenance of buildings	NIL	NIL	NIL						
I	Establishment of Soil, Plant & Water Testing laboratory	NIL	NIL	NIL						
J	library	NIL	NIL	NIL						
	TOTAL (A)	28,75,000	10,41,017	10,41,017						

<b>B.</b> 1	B. Non-Recurring Contingencies							
1	Works	39,6700	NIL	NIL				
2	Equipments including SWTL & Furniture							
3	Vehicle (Four wheeler/Two wheeler,	NIL	NIL	NIL				
	Please specify)							
4	Library (purchase of assets like books &	NIL	NIL	NIL				
	journals)							
TO	TAL B	39,67000	NIL	NIL				
<b>C.</b> I	REVOLVING FUND	NIL	NIL	NIL				
GR	AND TOTAL (A+B+C)	68,42,000	10,41,017	10,41,017				

#### 7.6 Status of revolving fund (Rs. In lakhs) for the three years

Year	Opening balance	Income during	Expenditure	Net balance in hand as
	as on 1 <sup>st</sup> April	the year	during the year	on 1 <sup>st</sup> April of each
				year
April 2004 to	1,00,000	35,000	60,000	75,000
March 2005				
April 2005 to	75,000	25,000	NIL	1,00,000
March 2006				
April 2006 to	1,00,000	36,000	60,000	40,000
March 2007				

#### 8.0. Please include in formation which has not been reflected above (write in detail)

#### 8.1. Constraints

#### (a) Administrative

- 1. Infrastructures viz, Office Complex, Training Hall, Staff Quarters and Farm Fencing is yet to construct which should be taken up at the earliest.
- 2. On livestock sector no demonstration unit has been sanction for the station. Goatery and Rabittry unit should be provided at the earliest.
- 3. On farm machineries either tractor or power tiller should be provided for farm mechanization.

#### (b) Financial

- 1. Seed testing and soil testing lab should be provided at the earliest.
- 2. E-connectivity should be provided by 2007.

#### (c) Technical

- 1. Sanction amount for FLD should be enhance and release in time
- 2. More fund under contingency is required for successful implementation of targeted action plan