REVISED ANNUAL REPORT PROFORMA

(Submit to ZCU-VII on or before 30-04-2006)

- 1. KVK Code
- 2. Name of the KVK
- 3. Address of KVK
- : To be given by Zonal Coordinating Unit.
- : Yisemyong
 - : KVK Yisemyong

Post Box No 23

Mokokchung - 798601 Nagaland

: KVK Yisemyong Mokokchung

Telegraphic Address Telephone No. with STD :

 STD Code
 Phone Nos.

 Office
 0369
 2226537

 Residence
 0369
 2228567

 Fax
 0369
 2227627

e-mail 4. Name of the Host Institution : sars_yisem@rediffmail.com

: Department of Agriculture, Nagaland

- 5. Address of Host Institution : Directorate of Agriculture
 - Telegraphic Address Telephone No. with STD :
- Nagaland Kohima : AGRILAND Kohima Nagaland
- . AGRILAND Kolillia Nagalaliu

	STD Code	Phone Nos.
Office	0370	2243970
Residence	0370	2244301
Fax	0370	2244301

e-mail

:

6. Staff position (as on March 2006) :

					Pay Scale with		SC/ST/
S1.	Designation	Name	Discipline	Highest	present basic	Date of	OBC/
no	-		_	degree	scale*	joining*	GEN
1	Training Organizer	S. Sosang Jamir	Agronomy	B.Sc(Ag)	Rs. 12,100/-	18.6.03	ST
2	Training Associate						
3	Training Associate						
4	Training Associate						
5	Training Associate						
6	Training Associate						
7	Training Associate						
8	Training Assistant						
9	Farm Manager						
10	Computer Assistant						
11	Office Supt-cum-	Mrs. Meyatula		Matriculate	Rs. 4750/-	1.6.03	ST
	Accountant						
12	Jr. Steno-cum-						
	Computer Operator						
13	Driver-cum-	Supongmeren	Turner	ITI Diploma	Rs. 2750/-	1.1.05	ST
	Mechanic						
14	Driver-cum-	Benjamin Rai		Cl VIII pass	Rs. 2750/-	1.1.05	SC
	Mechanic						
15	LDA	Mrs. Imosangla		Matriculate	Rs. 3220/-	1.6.03	ST
16	Peon	Mrs. Imkonglemla		Cl. X	Rs. 2660/-	1.6.03	ST
17	Chowkidar	Wati Ao		Cl. VIII	Rs. 2660/-	1.6.03	ST

• For those staff who are in position

7. Total land with KVK (ha) :

a. Under building	NIL
b. Under Demonstration Units	2 (KVK farm)
c. Under crops	4
d. Orchard/Agro-forestry	10 (Forest)
e. Others	

8. Infrastructural facilities :

			Stage (p	linth area)	Cost (Estimate for
Particulars	Unit	Plinth area			New building)
	(No)	(Sq.m)	Complete	Incomplete	
Administrative building					
(400 sq.m)	NIL				Rs. 69,61,534
Farmers hostel					
(200 sq.m)	NIL				
Staff quarters					
(100 sq.m) (5 Nos)	NIL				Rs. 55,58,094
Demonstration Unit (ha)					
(20 sq.m) (2 Nos)	NIL				Rs. 3,55,000
Farm Fencing					Rs. 8,24,000
Land development (2 ha)					Rs. 2,00,000
	Particulars Administrative building (400 sq.m) Farmers hostel (200 sq.m) Staff quarters (100 sq.m) (5 Nos) Demonstration Unit (ha) (20 sq.m) (2 Nos) Farm Fencing Land development (2 ha)	ParticularsUnit (No)Administrative building (400 sq.m)NILFarmers hostel (200 sq.m)NILStaff quarters (100 sq.m) (5 Nos)NILDemonstration Unit (ha) (20 sq.m) (2 Nos)NILFarm FencingLand development (2 ha)	ParticularsUnit (No)Plinth area (Sq.m)Administrative building (400 sq.m)NILFarmers hostel (200 sq.m)NILStaff quarters (100 sq.m) (5 Nos)NILDemonstration Unit (ha) (20 sq.m) (2 Nos)NILFarm FencingILand development (2 ha)I	ParticularsUnit Unit (No)Plinth area (Sq.m)Stage (p CompleteAdministrative building (400 sq.m)NILCompleteFarmers hostel (200 sq.m)NIL-Staff quarters (100 sq.m) (5 Nos)NIL-Demonstration Unit (ha) (20 sq.m) (2 Nos)NIL-Farm FencingIILand development (2 ha)-I	ParticularsUnit Unit (No)Plinth area (Sq.m)Stage (plinth area)Administrative building (400 sq.m)NILCompleteIncompleteFarmers hostel (200 sq.m)NILIncompleteIncompleteStaff quarters (100 sq.m) (5 Nos)NILIncompleteIncompleteDemonstration Unit (ha) (20 sq.m) (2 Nos)NILIncompleteIncompleteFarm FencingIncompleteIncompleteIncompleteLand development (2 ha)IncompleteIncompleteIncomplete

* Give details with plinth area.

9. Details of KVK Bank account :

S1.				
No.	Particulars	Name of Bank	Location	Account No
1	With the Host Institute	SBI	Leire, Kohima	01000050059
2	With the KVK	SBI	Mokokchung	01000050839

10. Description of Agro-climatic zones and farming situations of the district.

The district has warm sub tropical climate in the foot hills and sub montane climate in the mid and high hills. The total geographical area of the district is 1615 sqkm. Summer temperatures over the hills vary from 5°C to 28°C and over the foot hills have a range between 12°C to 35°C. Average annual rainfall is between 200cm and 280cm occurring over 6 months from May to October and the dry period with occasional rains from November to April.

11. Thrust areas identified through PRA, survey or any other method

A. Crop production :

i. Improved method of jhum through soil conservation, use of improved seeds and intercultural operations

ii. Increased production of sesame, mustard and soybean

iii. Increased production of arhar through strip cropping with jhum paddy

iv. Introduction and popularize HYP varieties of paddy.

v. Commercial cultivation of tapioca and ginger

vi. Popularize compost making and vermiculture.

vii. Rodent control and management.

viii. IPM trainings.

ix. Post harvest management of cereals and tuber crops.

12. Training Achievement – On Campus A. Training of farmers/farm-women (Period : From April 2005 to March 2006)

		No. of participants.											
Title of training	Duratio		SC			ST			Othe	r		Tota	1
	n (days)	М	F	Total	М	F	Total	М	F	Total	М	F	Total
Crop Production													
1. Jhum improvement	4				24	26	50				24	26	50
2. Oilseed and Pulse													
production post harvest	3				36	39	75				36	39	75
Total	7				60	65	125				60	65	125
Horticulture				1			1	1					
1. Passion fruit, winter													
vegetable	4				14	11	25				14	11	25
2. Fruit processing and					•		-				•		-
marketing	3				28	22	50				28	22	50
Total	7				42	33	75				42	33	75
Plant Protection		[[1					[
1. IPM, Rodent control	4				24	26	50				24	26	50
2													
Total	4				24	26	50				24	26	50
Live Stock Production an	id Managei	ment	[1	[[1		[
1. Value added meat							-						
production Swine fever	4				24	26	50				24	26	50
control and fodder													
production												2.5	
Total	4				24	26	50				24	26	50
Agril. Engineering													
1.													
2													
Total													<u> </u>
Women in agriculture	1							1					
1. Fruits and vegetables	_											~-	
processing & production	5					25	25					25	25
2.							27					~ ~ ~	
Total	5					25	25					25	25
Fisheries													
1. Promotion of fish	1				10	10	25				10	10	25
culture	l				12	13	25				12	13	25
2	1				10	10	25				10	10	
Total					12	13	25				12	13	25
Other subjects (Pl. specif	y)							1					
1													
2													
Total					1.62	100	250				1.62	100	250
Grand Total					162	188	350				162	188	350

Summary of training for farmer/farm-women (Period : From April 2005 to March 2006)

	No. of	Durat		No. of participants.										
Subject	program	ion		SC			ST			Othe	r		Tota	I
	me	(days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
Crop Production	5					60	65	125				60	65	125
Horticulture	3					42	33	75				42	33	75
Plant Protection	2					24	26	50				24	26	50
Live stock Production and Management	2					24	26	50				24	26	50
Agril. Engineering														
Women in Agril.	1					12	13	25				12	13	25
Fisheries	1					12	13	25				12	13	25
Other (Pl. specify)														
Total	14					162	188	350				162	188	350

B. Training of Rural Youths (Period : From April 2005 to March 2006)

		No. of participants.											
Title of training	Duratio		SC			ST			Othe	r		Total	
	n (days)	М	F	Total	М	F	Total	Μ	F	Total	Μ	F	Total
Crop Production													
1. Ginger and tapioca													
cultivation	3				28	22	50				28	22	50
2. Post harvest													
management	4				14	11	25				14	11	25
Total	7				42	33	75				42	33	75
Horticulture						-	-	-					
1. Organic farming	3				14	11	25				14	11	25
2.Agril. marketing	5				14	11	25				14	11	25
Total	8				28	22	50				28	22	50
Plant Protection													
1. IPM on vegetables and													
cereals					14	11	25				14	11	25
2.													
Total					14	11	25				14	11	25
Live Stock Production an	d Manager	nent											
1. Poultry and Rabbit													
rearing					14	11	25				14	11	25
2													
Total					14	11	25				14	11	25
Agril. Engineering													
1													
2													
Total													
Women in agriculture							•						
1.													
2													
Total													
Fisheries													
1													
2													
						1		1	-				
Total						1		1	-				
Other subjects (Pl. specif	v)					1		1					
1													
2													
Total													
Grand Total					98	77	175				98	77	175
	1				20		- 10		l	L			1.0

Summary of training for Rural Youths (Period : From April 2005 to March 2006)

-	No.of	Durat	No. of participants.											
Subject	progr	ion		SC			ST			Othe	r		Tota	al
	amme	(days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
Crop Production	3					42	33	75				42	33	75
Horticulture	2					28	22	50				28	22	50
Plant Protection	1					14	11	25				14	11	25
Live stock														
Production and	1					14	11	25				14	11	25
Management														
Agril. Engineering														
Women in Agril.														
Fisheries														
Other (Pl. specify)														
Total	7					98	77	175				98	77	175

C. Training of In-service personnel (Period : From April 2005 to March 2006)

		No. of participants.											
Title of training	Duratio		SC			ST			Othe	r		Tota	1
	n (days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
Crop Production													
1. Oilseed and Pulse													
production	4				15	10	25				15	10	25
2													
Total	4				15	10	25				15	10	25
Horticulture													
1. Commercial													
cultivation of passion	5				15	10	25				15	10	25
fruit, Agril. marketing													
2													
Total	5				15	10	25				15	10	25
Plant Protection													
1. IPM on rice	3				15	10	25				15	10	25
2													
Total	3				15	10	25				15	10	25
Live Stock Production an	nd Manager	ment											
1													
2													
Total													
Agril. Engineering	•												
1													
2													
													-
Total													-
Women in agriculture													
1													
2													
													-
Total													
Fisheries													
1													
2													
Total		-	-					-	-				
Other subjects (Pl. specif	v)												
1. PRA training	4				15	10	25				15	10	25
2		-	-					-	-				
Total	4				15	10	25				15	10	25
Grand Total					60	40	100				60	40	100

Summary of training for In-service personnel (Period : From April 2005 to March 2006)

	No.of	Durat]	No. of pa	rticipaı	nts.				
Subject	progr	ion		SC			ST			Othe	r		Tota	1
	amme	(days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
Crop Production	1					15	10	25				15	10	25
Horticulture	1					15	10	25				15	10	25
Plant Protection	1					15	10	25				15	10	25
Live stock														
Production and														
Management														
Agril. Engineering														
Women in Agril.														
Fisheries														
Other (Pl. specify)	1					15	10	25				15	10	25
Total	4					60	40	100				60	40	100

13. Training Achievement – Off Campus A. Training of farmers/farm-women (Period : From April 2005 to March 2006)

						1		No. of pa	rticipai	its.				
Title of training	5	Duratio		SC			ST			Other	r		Tota	i
		n	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
		(days)												
Crop Production			1	1		1	1	1	1					
1. Compost making	and													
vermiculture		3				24	26	50				24	26	50
2. Post harvest														
technology		3				24	26	50				24	26	50
Total		6				48	52	100				48	52	100
Horticulture														
1. Marketing of fruit	ts													
and vegetables		3				28	22	50				28	22	50
2 Winter vegetables	3	4				14	11	25				14	11	25
Total		7				42	33	75				42	33	75
Plant Protection		,	l	l		12	55	15	l			12	55	15
1 IDM on vagatable	and													
	s and	2				24	26	50				24	26	50
	-	3				24	20	- 30				24	20	30
2. Ginger and taploc	ca	4				10	12	25				10	12	25
plant protection		4				12	13	25				12	13	25
Total		1				36	39	75				36	39	75
Live Stock Product	tion an	d Manager	ment	1				I	1					
1. Improvement of														
goatery		3				24	26	50				24	26	50
2 Improvement of														
piggery		4				12	13	25				12	13	25
Total	l	7				36	39	75				36	39	75
Agril. Engineering														
1														
2														
- Tota	1													
Women in agricult	ure													
1 Kitchen garden	uic	3					25	25					25	25
1. Kitchen galuen		5					25	25					25	25
2. Child nutrition		3					25	25					25	25
Iotal		8					50	50					50	50
Fisheries						1	1	r						
1														
2														
Total	l													
Other subjects (Pl.	specify	y)												
1. Community resou	irce	-												
management		4				15	10	25				15	10	25
Tota	1	4				15	10	25				15	10	25
Grand Total						177	223	400				177	223	400
Summary	f train	ing for f	armo	r/farn	n-wom	$\mathbf{p} \mathbf{n} \mathbf{p}$	ariod	• From	Anri	1 2005	to Ma	rch ?	006)	
Summary U	No.cf		ui 1110	1/1 al l					<u>npil</u>		, 10 1 11 a		vvv)	
Subject	10.01	Jurat		00			070	NO. OI pa	lucipai	IIS.			T d 1	
Subject	progr			SC	T 1	37	51	T 1	3.6	Uthe		17	I ota	i
<u> </u>	amme	(days)	M	F	Total	M	F	Total	M	F	I otal	M	F	Iotal
Crop Production	4					48	52	100				48	52	100
Horticulture	5					42	33	75				42	33	75
Plant Protection	3					36	39	75				36	39	75
Live stock														
Production and	3					36	39	75				36	39	75
Management														
Agril. Engineering	l					1	1							
Women in Agril	2						50	50					50	50
Fisheries													20	
Other (Pl specify)	1					15	10	25				15	10	25
Total	10					177	245	400				177	245	400
i otai	10	1	1	1		1//	2 + J	+00	1			1//	∠+J	+00

B. Training of Rural Youths (Period : From April 2005 to March 2006)

		No. of participants.											
Title of training	Duratio		SC			ST			Othe	r		Tota	1
	n (days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	М	F	Total
Crop Production													
1. Vermiculture and													
compost making	3				28	22	50				28	22	50
2Post harvest technology	4				14	11	25				14	11	25
Total	7				42	33	75				42	33	75
Horticulture			-						-		-	_	
1. Marketing of fruits													
and vegetables	3				28	22	50				28	22	50
2. Floriculture	4				14	11	25				14	11	25
Total	7				42	33	75				42	33	75
Plant Protection													
1. IPM on fruits and													
vegetables.	5				14	11	25				14	11	25
2. Ginger and tapioca													
pest/disease management	5				14	11	25				14	11	25
Total	10				28	22	50				28	22	50
Live Stock Production an	d Manager	ment	-						-		-		
1 Poultry and duckery	4				28	22	50						
											28	22	50
2. Cattle and piggery	3				14	11	25				14	11	25
Total	7				42	33	75				42	33	75
Agril. Engineering													
1													
2													
Total													
Women in agriculture													
1. Child nutrition	4					25	25					25	25
2. Fruit processing and													
preservation	4					25	25					25	25
Total	8					50	50					50	50
Fisheries						1			n		n		
1													
2													
Total													
Other subjects (Pl. specif	y)	-	-		-	-		-	-		-		
1													
2													
Total													
Grand Total					154	171	325				154	171	325

Summary of training for Rural Youths (Period : From April 2005 to March 2006)

	No.of	Durat	at No. of participants.											
Subject	progr	ion		SC			ST			Othe	r		Tota	1
	amme	(days)	Μ	F	Total	М	F	Total	Μ	F	Total	Μ	F	Total
Crop Production	3					42	33	75				42	33	75
Horticulture	3					42	33	75				42	33	75
Plant Protection	2					28	22	50				28	22	50
Live stock														
Production and	3					42	33	50				42	33	50
Management														
Agril. Engineering														
Women in Agril.	2						50	50					50	50
Fisheries														
Other (Pl. specify)														
Total						154	171	325				154	171	325

C. Training of In-service personnel (Period : From April 2005 to March 2006)

		No. of participants.											
Title of training	Duratio		SC			ST			Othe	r		Tota	1
	n (days)	М	F	Total	Μ	F	Total	Μ	F	Total	М	F	Total
Crop Production													
1.Cereal crops													
production	4				15	10	25				15	10	25
2.													
Total					15	10	25				15	10	25
Horticulture			-		-	_	-	-		-	-	_	
1. Ginger and passion													
fruit cultivation	5				15	10	25				15	10	25
2													
Total					15	10	25				15	10	25
Plant Protection			-		-	_	-	-		-	-		
1.IPM on rice and													
vegetables	3				15	10	25				15	10	25
2													
Total					15	10	25				15	10	25
Live Stock Production an	nd Manager	ment											
1. Fodder production	5				15	10	25				15	10	25
2													
Total					15	10	25				15	10	25
Agril. Engineering													
1													
2													
Total													
Women in agriculture													
1													
2													
Total													
Fisheries													
1													
2													
Total													
Other subjects (Pl. specif	y)												
1. PRA training	4				15	10	25				15	10	25
2													
Total					15	10	25				15	10	25
Grand Total					75	50	125				75	50	125

Summary of training for In-service personnel (Period : From April 2005 to March 2006)

	No.of	Durat		No. of participants.										
Subject	progr	ion		SC			ST			Othe	r		Tota	1
	amme	(days)	Μ	F	Total	М	F	Total	Μ	F	Total	Μ	F	Total
Crop Production	1					15	10	25				15	10	25
Horticulture	1					15	10	25				15	10	25
Plant Protection	1					15	10	25				15	10	25
Live stock														
Production and	1					15	10	25				15	10	25
Management														
Agril. Engineering														
Women in Agril.														
Fisheries														
Other (Pl. specify)	1					15	10	25				15	10	25
Total	5					75	50	125				75	50	125

D.	Sponsored	l Trainin	g Programme	(Period	: From A	pril 2005	to March	2006)
			<u> </u>	(,

Title of	Sponsored	Durat	No. of participants.											
training	by.	ion		SC			ST			Othe	r		Total	-
		(days)	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
1. IPM	Forest Dept.	5				20	25	45				20	25	45
2. Agril														
marketing	APMC Mkg	4				40	10	50				40	10	50
3. Compost														
making and	Horticulture	3				35	20	55				35	20	55
vermiculture	Dept.													
4Rabi crop		4												
production	SARS					30	25	55				30	25	55
5Plasticulture	Soil Dept													
		4				25	20	45				25	20	45
6. Potato														
cultivation	Agri. Dept.	3				18	22	40				18	22	40
(TPS)														
Total						168	122	290				168	122	290

14. Result of front Line Demonstration:

A. Oilseeds

Year : 2005

			Area (ha)		No.	emo		
Crop	Season	Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Mustard	Rabi	10	10	10	10		10	

NB: Attach a few good photographs with title at the back of the photographs with pencil.

B. Pulses

Year : 2005

			Area (ha)		No.	of farmers/D	emo	
Crop	Season	Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Soybean	Kharif	10	10	10	10		10	

NB: Attach a few good photographs with title at the back of the photographs with pencil.

C. Farming situation and results of demonstration on Oilseed crops.

						Agro	Previous		
Crop	Season	Sowing	Harvesting	Situation	Soil	climatic	crop	Status	Rainfall
		date	date		type	zone	pattern	of NPL	distribution
Mustard	Rabi	20.10.05	15.2.06	Rainfed	Silt loam	Sub- montane hill zone	Upland paddy		Scanty

Variety	No. of	Area	Yield o	of demonst	ration (q	ı/ha)	Increase	Cost of a cash (dditional Rs/ha)
	farmer	(ha)				Local	in yield		Local
			Highest	Lowest	Avg.	check	(%)	Demo.	check
TS-38	10	10	5.9	4.8	5.76	3.34	7.86	3000	2000

D. Farming situation and results of demonstration on Pulses.

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro climatic zone	Previous crop pattern	Status of NPL	Rainfall distribution
Soybean	Kharif	20.6.05	15.10.05	Rainfed	Silt loam	Sub- montane hill zone	mustard		Normal

Variety	No. of	Area	Yield o	of demonst	Increase	Cost of a cash (dditional Rs/ha)		
	farmer	(ha)				Local	in yield		Local
			Highest	Lowest	Avg.	check	(%)	Demo.	check
J.S - 335	10	10	12.8	11.3	12.4	10.6	16.98	4000	2000

E(I). Analytical Review of component demonstration (Crop wise separate table required) **Crop : Mustard**

				Percentage
Component	Farming situation	Average yield	Local check yield	increase in
				productivity over
				Local yield
1. Seed				
a. Variety : TS - 38	Rainfed	5.76 Qtl	5.34 Qtl	7.86
2. Bio-fertilizer PBB + Culture	NIL			
3. Fertilizer Management	NIL	20kgN, 15kgP	20kgN, 15kgP	
4. Plant Protection	NIL	Agroneem		
5. Combination of components				
a. NPK + Gypsum	NIL			
b. Improved seed + Gypsum				

F. Technical Feed back :

1. TS-38 is late sown and comparatively more tolerant to moisture stress than local check (M-27).

2. It has compact branching thus saves from lodging

3. More disease resistant than M-27 variety

4.

5.

Ν

G. Farmers reaction

1. TS-38 fits well into Rabi crop sowing season in the area due to its late sown character.

- 2. Most of the farmers broadcast the seeds and due to its compact branching type give more plant population and give more yield as compared to lax type
- 3. Crop is cultivated under rainfed conditions so variety with drought tolerant type is preferred.
- 4.
- 5.
- Ν

Crop : Soybean

Component	Farming situation	Average yield	Local check yield	Percentage increase in productivity over Local yield
1. Seed				
a. Variety : JS-335	Rainfed	12.4 Qtl	10.5 Qtl	16.98
2. Bio-fertilizer PBB + Culture	NIL	Rhizobium	Rhizobium	
3. Fertilizer Management	NIL	15kgN, 40kgP	15kgN, 40kgP	
4. Plant Protection	NIL	Agroneem	Agroneem	
5. Combination of components				
a. NPK + Gypsum	NIL			
b. Improved seed + Gypsum				

Technical feedback :

- 1. The optimum date of sowing of JS-335 is 20th to 25th June whereas local soybean varieties is mostly sown between 15th to 30th May
- 2. JS-335 matures early by 15 days than the local varieties.
- 3. Seed size are bigger and give more yield than local varieties.

Farmers reaction :

- 1. They are willing to grow the JS-335 in commercial scale.
- 2. More demonstration should be conducted and marketing outlets for sale of the produce should be initiated by the officials.
- 3. Soft loan and buy back policy with renumerative price should be made available.

H. Extension and Training activities

Field	days organized	Farmers training			
Date	No. of participants	Date	No. of participants		
16.10.05	120	17.6.05	75		
15.02.06	150	9.9.05	80		
		18.10.05	60		
		10.12.05	70		

I. Results of FLDs other than Oilseed and Pulses

Year : (Not conducted due to shortage of fund and manpower)

		Sowing	Area (ha)		No.	of farmers/	Demo	
Crop	Season	date	Proposed	Actual	SC/ST	Other	Total	Remarks

NB : Attach a few good photographs with title at the back of the photographs with pencil.

J. Farming situation and results and demonstration on other than Oilseed and Pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro climatic zone	Previous crop pattern	Status of NPL	Rainfall distribution

Crop	Variety	No. of A	Area	Yield of demonstration (q/ha)				Increase in yield	Cost of ac cash (Rs/	lditional ha)
		farmers	(ha)				Local	(%)		Local
				Highest	Lowest	Avg.	check		Demo.	check

Interpretation and critical analysis of the results obtained :

15. On Farm Testing

Subject : (Not implemented due to shortage of technical staff)

- a. Title of the experiment.
- b. Problem
- c. Hypothesis
- d. Experiment year I/II/III
- e. Treatment
- f. Plot size
- g. No. of farmers/replication
- h. Date of sowing
- i. Date of harvesting
- j. Results with captions

		Replications.									
Treatments	1	2	3	-	-	n					

Interpretation and critical analysis of the results obtained :

16. Literature developed/published (give details) :

a. Research paper

1. Mr. Renbomo, Research Assistant (2005). Comparative study on effect of organic manures (FYM, compost, Tithonia leaves) on growth and yield of maize

The trial was conducted at KVK farm during the year 2005 with a view to study the suitability of Tithonia as mulch and also its combination with FYM and compost on the growth and yield of maize.

Character	Plant	No. of	No.	Length	Girth	No. of	Wt. of	Yield/	Yield/h
	height	leaves	of	of cobs	of cobs	grains	cobs/	plot	a (MT)
Treatment	(ft)		cobs	(cm)	(cm)	/cob	plant(gm)	(kg)	
Control	6.73	13	1	13.1	12.7	317	132	4.62	7.7
Tithonia	6.81	16	2	12.97	13.9	397	150	7.0	11.67
FYM	6.79	14	1	13.45	13.25	363	138	4.83	8.05
Compost	6.76	15	1	12.1	14.97	393	155	5.42	9.03
Tithonia + FYM	6.79	15	2	13.3	12.42	346	134	5.95	9.92

Table : Growth and yield of maize influenced by tithonia, FYM and compost .

Results :From the above table it can be seen that among the different methods used, application of tithonia as a mulch resulted the best plant growth and yield giving a yield up to 11.67 MT/ha. Tithonia + FYM and Compost remained at par. The lowest yield was obtained from control plot.

b. Technical reports

1. Mr. S. Sosang Jamir, i/c T.O (2005). Trial report on 7 different varieties of WRC paddy.

Seven numbers of TRC paddy varieties were tested at KVK Yisemyong farm to screen out the best suitable variety under mid altitude conditions during 2005. Local variety, Mehourou, a high yielding variety tested and standardized at SARS Yisemyong was used as check. The trial results are as follows.

Sl.No.	Name of variety	Duration (days)	Yield (Q/ha)
1	Basundhara	150	35.0
2	Satyaranjan	150	33.0
3	Chilarai	155	30.0
4	Kolong	150	25.0
5	Lachit	135	20.2
6	Luit	130	15.4
7	Kopilee	130	12.8
8	Mehourou	150	40.0

Result: All the new varieties tested give less yield than the local check variety (Mehourou) which indicate that they are not suitable under mid and high altitude conditions.

- c. Technical bulletins
 - NIL
- d. Popular articles NIL
- e. Extension literatures. (Copies enclosed)
- 1. Storage of potato
- 2. Passion fruit cultivation
- 3. Control of thatch.
- 4. Cultivation of Arhar
- 5. Extension of cropping phase through inclusion of legumes.
- 6. Fallow management with Tithonia
- 7. IPM for healthier living and healthier environment
- 8. Cultivation of ginger

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

17. Success Story/Case Study, if any. NIL

(two – three pages write ups with suitable photographs)

18. Constraints :

- a. Administrative
- 1. Infrastructures viz. Administrative building, staff quarters, land development and farm fencing needs to be constructed at the earliest.
- 2. Need to fill up, all the sanctioned posts at the earliest for successful implementation of all programmes.
- 3. Co-ordination between line departments and NGO's need to be strengthened.
- b. Technical
- 1. Demonstration Units, software equipments and critical inputs like irrigation facilities are very inadequate and should give top priority
- 2. More research works needs to be done to determine crop suitability based on crop zoning and agroclimatic conditions.

3.

- 1.
- 2.
- 3.

19. Functional Linkage with other Organizations

Sl. No	Name of organization	Nature of linkage
1	State Agricultural Research Station (SARS)	Joint implementation in conducting training,
	Yisemyong	demonstration, meeting etc.
2	DAO, DHO, DVO, DSCO in the district	Conducting training, demonstration programmes.
3	NEPED (IDRC) Kohima	Implementing NEPED Research activities.
4	ICAR, KVK Jharnapani	Consultation, meetings and exchange of technologies.
5	AIR Doordashan Mokokchung	Technology dissemination through broadcasting
		media through AIR by staff of KVK

20. Performance of demonstration units (other than crops)

S1.		Total	Cost of inputs	Gross income	Net income
No	Demonstration Unit	production	(Rs)	(Rs)	(Rs)
1	Vermi-compost	3 MT	6000/-	15,000/-	9000/-

21. Performance of instructional farm (crop) including production

Sl. No	Crop	Area covered (ha)	Variety	Date of sowing	Date of harvesting	Total production (pl. specify the unit of yield/nos)	Cost of inputs (Rs)	Gross income (Rs)	Remarks
1	Ginger	0.5	Nadia	22.4.05	7.1.06	35 Qtls	15,000	35,000	
2	Tomato	0.1	KC-19	28.10.05	17.1.06	5.2 Qtls	1500	5200	
3	Pea	0.03	Rachna	15.10.05	27.2.06	2.7 Qtls	500	3240	
4	Soybean	0.1	JS-335	20.6.05	15.10.05	1.5 Qtls	700	3750	
5	Maize	0.02	V.C	20.4.05	18.8.05	3.0 Qtls	50	400	

22. Utilization of hostel facilities : (No hostel for KVK establishment. Used Farmers Hostel belonging to SARS Yisemyong)

Accommodation available (No. of beds) 22

		/	
Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April	20	5	
May	15	6	
June	Х	Х	
July	25	3	
August	20	4	
September	22	5	
October	18	3	
November	24	4	
December	Х	Х	
January	30	6	
February	16	4	
March	X	X	

23. Indicate any innovative technology or any innovative methodology of Transfer of Technology developed during the year.

- 1. Control of thatch grass with tapioca.
- 2. Fallow management with Tithonia

3.

-

N

24. Indicate any indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) NIL

25. Indicate the specific training need tools/methodology followed for

•	Identification of courses for farmers/farm women	: PRA
•	Rural Youths	: PRA
•	In-service Personnel	: PRA

26. Any other special programme undertaken by the KVK which has been financed by state Govt/other agencies.

NIL

27. Seed/Seedlings/Saplings and sold to the farmers

		Seed production	Seedling	Sapling production
Crop	Variety	(Quintals)	production (No)	(No) (fruit trees, forest,
		(grain crops)	(vegetable crops)	others)
Passion fruit	Kavery		3000 nos	
Ginger	Nadia	30 Qtls		
Mustard	TS-38	2.5 Qtls		
Alder	Local			3500 nos

NB : In case of vegetables, if seed is produced, it may be given in Kgms or quintals

28. Scientific Advisory Committee (SAC) : Please indicate the date(s) of meeting(s)

S1.				
No	Date of SAC	Salient Recommendation	Action taken	Remarks
		1. Location specific trails should be		
		conducted.	Recommendations	
1	20.10.05	2. Ginger and tapioca crop identified as	were taken into	
		commercial crop in the district and	action.	
		KVK should actively involve in the		
		transfer of production technology		
		3. All thrust areas should be carefully		
		identified through PRA and appropriate		
		technology be imparted.		

29. Impact of training programme carried out during the last three years in the KVK adopted villages

S1.	Name of the specific technical skill	No. of	% of	Change in i	income (Rs)
No	transferred	trainee	adoption	Before	After
1	Commercial cultivation of ginger	3	50	3000	5000
2	Vegetable cultivation	4	45	1000	3000
3	Tapioca processing	2	60	1500	4000
4	Piggery farming	2	80	5000	8000
5					
-					

30. Field activities

i. Number of villages adopted	:1
ii. Number of farm families selected	: 60
iii. Number of survey/PRA conducted	: 2

31. Other Extension Activities

		No. of beneficiaries			No. of Extension			
Activities	Date	(farme	(farmers/Rural youths)			Functionaries		
		Μ	F	Total	Μ	F	Total	
Field Days								
1. Mustard crop	15.02.06	90	60	150	8	2	10	
2								
Kisan Mela NIL								
1.								
2								
Film Show NIL								
1.								
2								
Radio Talk (give topic)								
1. Compost making								
2. Rodent control								
3. Techniques of land shaping for								
sedentary farming.								
4. Cultivation of Xanthoxylem								
5. Cultivation of ginger								
6. Use of bio-fertilizer, pesticides and								
bio-agents for healthier environment								

TV Show (give topic) NIL				
1				
2				
Newspaper coverage (give topic)				
1. Arhar as strip crop				
2. Soil conservation measures				
3. Potato cultivation through TPS				
4. Promising local paddy cultivars				
Any other				

32. Utilization of KVK funds during the year 2005 – 06

Item	Sanctioned	Released	Expenditure
Pay & Allowances			
Recurring contingencies			
Non-recurring contingencies			
Total			

						Expenditure upt		Unspent
S1.	SI. Item Sanctioned by ZC I		Released b	Released by Institute		03-200		
No		Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	01-04-200
A. C	Dilseed (Mustard)							
1	Critical inputs		13,300		13,300		10,000	NIL
2	Extension activities		1900		1900		4500	
3	TA/DA/POL		3800		3800		4500	
	Total A		19,000		19,000		19,000	
B. P	ulse (NIL)							
1	Critical inputs							
2	Extension activities							
3	TA/DA/POL							
	Total B							

33. Utilization of funds under FLD on Oilseed/Pulse

34. Status of Revolving Fund (in lakhs) for 3 years.

	Total	Opening	Expected Income		Net balance in hand as on			
Year	Sanctioned	Balance	Fixed deposit	Farm income	1 st April of each year			
2004 - 2005	1,00,000	1,00,000	NIL	35,000	75,000			
2005 - 2006		75,000	NIL	25,000	1,00,000			
2006 - 2007								

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

(Signature of Training