### INTRODUCTION

Krishi Vigyan Kendra, Sonepur was established on 1st July, 2005 under the administrative control of Orissa University of Agriculture & Technology, Bhubaneswar. It is located at Sonepur, the Head Quarters of the district Subarnapur, on the confluence of rivers Mahanadi and Tel. The district is a land of rivers; Mahanadi, Ong, Tel and Suktel flow through the district. The entire district lies in the watershed basin of river Mahanadi, which is the biggest river of the state flowing from Sambalpur, taking a semicircular path across Binka, Sonepur, Ullunda and Birmaharajpur Blocks. It comes under Western Central Table land Agro-climate zone of Orissa. The climate of the zone is extreme. Summer is hot and dry, rainy season with good rainfall high humidity and winter is severe. The annual rainfall of the district is 1443.5 mm. The soil type of the district is broadly classified as sandy, sandy loam and sandy clay.

During the period April 2006- March 2007, twelve training programmes for practicing farmers including farm women, six training programmes for rural youths and school dropouts and one training programmes for in-service personnel have been imparted on different aspects of agriculture and allied subjects like crop production, horticulture, plant protection, agricultural engineering, forestry & fishery. 10 FLDs have been successfully conducted with the active participation of farmers such as INM in Rice, INM in Sugarcane, IPM in Rice, Block Plantation of Teak, fast growing multipurpose Tree species in the backyard, Nutritional gardening, Package demonstration of Pumpkin & Bottle gourd, Introduction of high yielding Papaya cultivation, Oyster mushroom cultivation & Composite fish culture. Other then these FLD (Oilseeds & pulses) on Sesamum, Toria, Arhar & Green gram were conducted during Kharif and Rabi season which showed a enthusiasm among the farmers. For testing and refinement of technologies one OFT have been conducted on *Mangium*-Turmeric based alley cropping system.

# MANDATES OF KVK, SONEPUR

- 1. To test different farm based technologies in farmers field for proper verification and refinement.
- 2. To conduct front line demonstrations on different proven technologies on agriculture and allied disciplines for wider acceptance.
- 3. To impart vocational and skill oriented training to farmers, farm women and rural youths on agriculture and allied disciplines.
- 4. To impart in-service training to Govt. extension functionaries and NGO workers for speedy transfer of farm technologies to the end users.

# BACKGROUND INFORMATION OF SONEPUR DISTRICT

1.	Geographical area in ('000 ha)		234
2.	Location	Longitude	83° 27' to 84° 15'
			East
		Latitude	20° 30' to 20° 10'
			North
3.	Forest Area ('000 ha)		41
4.	Misc. Trees & groves ('000 ha)		15
5.	Permanent Pasture ('000 ha)		13
6.	Culturable Waste (* 000 ha)		8
7.	Land put no non-agril. use ('000 ha)		20
8.	Barren & unculturable aland ('000 ha)		22
9.	Current fallow ('000 ha)		2
10.	Other fallow ('000 ha)		4
11.	Cultivable area (ha)	High land	54,887
		Medium land	41,641
		Low land	38,887
		Total	13,5,415
12.	Kharif Paddy Area (ha)-2005	High land	27,254
		Medium land	41,497
		Low land	38,887
		Total	107,638
13	No. of Sub-division		2
14.	No. of Blocks		6
15.	No. of GPs/Local bodies		96/03
16.	No. of D.A.O. circle		2
17.	No. of A.D.A.O. circle		2
18.	No. of A.A.O./J.A.O. circle		11
19.	No. of PACS		11
20.	No. of pesticide dealer	Wholesaler	-
		Retailer	32
21.	No. of fertilizer dealer	Wholesaler	11
		Retailer	70
22.	No. of seeds sales center	Govt.	14
23.	Population as per 2001 census		5,40,659

# **ANNUAL REPORT PROFORM**

**01. K.V.K. Code** : K.V.K., Sonepur

**02. Name of the K.V.K.** : Krishi Vigyan Kendra, Sonepur

**03. Address of K.V.K.** : Krishi Vigyan Kendra

At.- Badjhinki Po.- Sonepur Po Box- 01 Dist- Subarnapur Pin- 767017

Telegraphic address : Krishi Vigyan Kendra, Sonepur

Telephone No. with STD : STD 06654

(Office & Residence)

Fax No. :

E-mail : kvk-snpr@ ori.nic.in

**04. Name of the host Institution** : Orissa University of Agriculture &

Technology, Bhubaneswar-751003

**05. Address of the host institution** : Vice-Chancellor, OUAT,

Bhubaneswar-751003

**Telegraphic Address**: GRAM-AGRITECH

**Telephone No. with STD** 0674-2407780

(Office & Residence)

**Fax No.** : 0674- 2407780

E-mail :

# 6. STAFF POSITION (AS On March, 2007)

SI.	Designation	Name	Discipline	Highest Degree	Pay scale	Date of Joining	SC/ST/ OBC/Gen.
1	Subject matter specialist	Dr. S.C. Mohapatra Remain in-charge- of Programme Co-ordinator w.e.f.9.08.06	Agronomy	Ph.D.	10000-325- 15200	06.02.06	General
2.	Subject matter specialist	Sri B.R. Samantray	Fishery	M.F.Sc.	8000-275- 13500	12.01.06	General
3.	Subject matter specialist	Mrs. D. Sahoo	Horticulture	M.Sc.(Ag)	8000-275- 13500	21.07.06	General
4.	Subject matter specialist	Mr. P.K. Panda	Entomology	M.Sc.(Ag)	8000-275- 13500	05.01.07	General
5.	Programme Assistant	Mr. B.S. Bishoyi	Agronomy	MSc.(Ag.)	5500-175-9000	07.07.05	General
6.	Farm Manager	Sri T.K. Das	Entomology	M.Sc. (Ag.)	5500-175-9000	12.08.05	OBC
7.	Programme Asst. (Computer)	Sri D.K. Swain	Computer Science	MCA	5500-175-9000	24.02.06	General
8.	Section Officer	Mr. L.D. Mishra	Arts Graduate	B.A.	5900-200-9700	01.09.06	General
9.	Steno cum Computer Operator	Mr. T.R. Barik	Science Graduate	PGDCA	4000-100-6000	09.10.06	General
10	Attendant	Sri M. A. Ali	-	10 <sup>th</sup>	2550-60-3200	23.08.2005	General

7. Total land with K.V.K. (ha.) : 15.45

8. Infrastructural facilities: Construction to be taken up: Nil

#### 9. Details of K.V.K. Bank Accounts

	Particulars	Name of Bank	Location	Account No.
1.	With the host institute	S.B.I., O.U.A.T.	Bhubaneswar	Comptroller,
				O.U.A.T
2.	With the KVK	S.B.I., Sonepur	Sonepur	01000015242

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

Krishi Vigyan Kendra, Sonepur Situated in the Western Central Table Land zone of Orissa . The Zone consist of some hill ranges, some plains and valleys laying between the hill ranges. Soil of the zone are under sandy , sandy loam to sandy clay loam and medium in soil fertility. Summer is hot and dry, rainy season is good rain fall high humidity and winter is severe. The mean summer maximum temperature is 43° C and mean minimum temperature is 10° C. Mean annual rain fall is 1443.5mm . Out of total geographical area of 2.34 lakh ha., of Sonepur District to cultivable area is 1,35,415 ha. Major crop sown in this area are paddy, maize, pulses, fruit crops like mango, banana & citrus are also cultivated. There is a scope to develop sheepery, goatery and plantation on the waste lands in the district.

#### 11. Thrust Identified through PRA, Survey or any other Methods.

The economy of the district solely depends on agriculture as so far there is no industrial and mining developmental work had been done in this district. The following thrust areas are identified looking into the local agro ecological situation of the district on which emphasis should be given

- 1. Improvement of paddy, the first crop of the district (Rain fed Kharif and Irrigated Rabi) by introducing Hybrid, Aromatic paddy, super fast varieties of paddy and balanced nutrition.
- 2. improvement of production and productivities of cereals (maize), millets (Ragi), pulses and Oil seeds by introducing newly released improved and HYV seeds and balance nutrition.
- 3. Improvement of production and productivities of cash crops like sugarcane, cotton, onion etc.

- 4. Improvement of production and productivities of seasonal vegetables like Brinjal, Tomato, Cole crops, cucurbits, okra and Radish.
- 5. Improvement of production and productivities of spices and condiments specially Turmeric, Ginger, Mango Ginger, Coriander and Chilly..
- 6. Improvement of production and productivities of fruit crops like Mango, Banana, Citrus and Guava.
- 7. Popularization of home stead/ Kitchen garden concept for family nutritional security through introduction of papaya, Drum steak and lemon with all the seasonal vegetables.
- 8. Introduction of Agro forestry and farm forestry concept by introducing Teak, Eucalyptus, Acacia, Sisso, Jatropha and Bamboo.
- 9. Empowering farm women through income generating activities like Mushroom cultivation, Broom making & Leaf plate making Other value added farm product making and Post harvest grain cleaning and storage operations.
- 10. Improvement of community and individual farm pond by introducing of inland fresh water fish and prawn culture with their proper feeding and management.
- 11. Improvement of production and productivities of domestic animals and birds by introducing right breed, Proper feeding and good management.
- 12. Popularization of farm mechanization technique by introducing zero till machine, Rotavator, seeddrill, Reaper, Solar drier, power Operated winnower cum thresher etc.

# 13. TRAINING ACHIEVEMENTS - ON CAMPUS

# (A) TRAINING OF FARMERS / FARM WOMEN

Sl. No	Title of training	Duration						No.	of par	ticip	ants			
51. 140	Title of training	(in days)		SC			ST		(	<b>Other</b>	S		Tota	l
			M	F	T	M	F	T	M	F	T	M	F	T
A. Crop P	roduction													
1	Crop diversification in up land	3	4	-	4	2	-	2	14	-	14	20	-	20
2	Advance crop production practices for Rabi pulses	3	1	2	3	1	10	11	5	1	6	7	13	20 0
	Total	6	5	2	7	3	10	13	19	1	20	27	13	40
B. Plant p	rotection													
1	IPM in Kharif paddy	3	1	-	1	2	-	2	17	-	17	20	-	20
2	IPM in kharif pulses	3	4	-	4	2	-	2	14	-	14	20	-	20
3	Cultivation of Paddy straw of oyster mushroom	3	1	11	12	-	-	-	2	6	8	3	17	20
	Total	9	6	11	17	4	-	4	33	6	39	43	17	60
C. Forestr	y													
1	Commercial Plantation of Acacia mangium	3	2	-	2	-	-	-	18	-	18	20	-	20
	Total	3	2	-	2	-	-	-	18	-	18	20	-	20
D. Horticu	ulture													
1	Nursery raising in vegetable crops like Brinjal, Chilli, Cabbage, cauliflower and Tomato	3	-	-	-	-	-	-	20	-	20	20	-	20
2	Production packages of rhizome spices	3	-	11	11	-	-	-	1	3	4	1	14	15
	Total	6	-	11	11	-	-	-	21	3	24	21	14	35

# SUMMARY OF TRAINING FOR FARMERS/FARM WOMEN (APRIL-06 TO MARCH - 07)

Subject	No. of	Duration in days					No	of pa	rticip	ant				
	programme			SC			ST			Othe	rs		Total	
			M	M F T		M	F	T	M	F	T	M	F	T
Crop Production	2	6	5	2	7	3	10	13	19	1	20	27	13	40
Plant Protection	3	9	6	11	17	4	-	4	33	6	39	43	17	60
Forestry	1	3	2	-	2	-	-	-	18	-	18	20	•	20
Horticulture	2	6	-	11	11	-	-	-	21	3	24	21	14	35
TOTAL	8	24	13	24	37	7	10	17	91	10	101	111	44	155

### (B) TRAINING OF RURAL YOUTHS

Sl. No	Title of training	Duration						No. o	of parti	icipan	nts			
51. 140	Title of training	(in days)		SC			ST		(	Others	S		Total	
			M	F	T	M	F	T	M	F	T	M	F	T
A. Crop Pr	oduction													
1	Vermicomposting from farm waste	3	3	1	4	2	1	3	12	6	18	17	8	25
	Total	3	3	1	4	2	1	3	12	6	18	17	8	25
B. Horticul	ture													
1	Seed production & seed extraction techniques of Tomato	5	-	1	1	-	-	-	1	13	14	1	14	15
2	Seed production & post harvest techniques of spices (Turmeric, Ginger, Mango ginger etc.	5	-	3	3	-	-	-	1	12	12	ı	15	15
	Total	10		4	4		-		1	25	26	1	29	30

C. Fishery														
1	Fish seed production for Rohu, Catla,	3	3	2	5	2	-	2	12	1	13	17	3	20
	Total	3	3	2	5	2	-	2	12	1	13	17	3	20

# SUMMARY OF TRAINING OF RURAL YOUTH (APRIL-06 TO MARCH - 07)

Subject	No. of	Duration in days					No	. of pa	rticip	ant				
	programme			SC			ST		(	Othe	rs		Total	
			M	F	T	M	F	T	M	F	T	M	F	T
Crop Production	1	3	3	1	4	2	1	3	12	6	18	17	8	25
Horticulture	2	10	-	4	4	-	-	-	1	25	26	1	29	30
Fishery	1	3	3	2	5	2	0	2	12	1	13	17	3	20
TOTAL	4	16	6	7	13	4	1	5	25	32	57	35	40	75

### (C) TRAINING OF IN-SERVICE PERSONNEL

Sl. No	Title of training	Duration						No. o	f parti	cipan	its			
51.110	Title of training	(in days)		SC			ST		(	Others	S		Total	
			M	F	T	M	F	T	M	F	Т	M	F	T
A. Plant Pr	A. Plant Protection													
1	Validation of different ITKs regarding pest & diseases of major cereals & pulses	2	2	0	2	-	-	ı	8	0	8	10	0	10
	Total	2	2	0	2	-	-	•	8	0	8	10	0	10

# **B.** TRAINING ACHIEVEMENTS – OFF CAMPUS

# (A) TRAINING OF FARMERS / FARM WOMEN

Sl. No	Title of training	Duration						No. o	of part	icipar	nts			
51.140	Title of truming	(in days)		SC			ST		(	Others	S		Total	
A. Plant pr	rotection													
1	IPM in Sugarcane	3	2	-	2	2	-	2	16	-	16	20	-	20
	Total	3	2	-	2	2	-	2	16	-	16	20	-	20
B. Forestry	7													
1	Management of Bamboo clumps and propagation of bamboo through culm cutting method.	3	1	-	1	-	-	-	19	-	19	20	-	20
	Total	3	1	-	1	-	-	-	19	-	19	20	-	20
C. Fishery														
1	Integrated fish farming	3	2	1	3	5	-	5	11	1	12	18	2	20
	Total	3	2	1	3	5	-	5	11	1	12	18	2	20
D. Agricult	tural Engineering													
1	Use and repair of low lift pumps	3	8	5	13	-	-	-	4	3	7	12	8	20
	Total	3	8	5	13	-	-	-	4	3	7	12	8	20

# SUMMARY OF TRAINING FOR FARMERS/FARM WOMEN (April-06 to March-07)

Subject	No. of	Duration in days	No. of participant											
	programme			SC			ST			Others	5		Total	L .
			M	M F T			F	T	M	F	T	M	F	T
Plant protection	1	3	2	0	2	2	0	2	16	0	16	20	0	20
Forestry	1	3	1	0	1	-	-	-	19	0	19	20	0	20
Fishery	1	3	2	1	3	5	0	5	11	1	12	18	2	20
Agricultural Engineering	1	3	8	5	13	-	-	-	4	3	7	12	8	20
Total	4	12	13	6	19	7	0	7	50	4	54	70	10	80

#### **B. TRAINING FOR RURAL YOUTH**

Sl. No	Title of training	Duration					No	of pa	rticipa	nts				
51. 110	Title of training	(in days)		SC			ST		(	Others	5		Total	
			M	F	T	M	F	T	M	F	T	M	F	T
A. Plant Pr	otection													
1	Rearing of Italian Honey Bee	5	10	0	10	-	-	-	5	0	5	15	0	15
	Total	5	10	0	10	-	-	-	5	0	5	15	0	15
B. Fishery														
1	Ornamental Fish Farming	3	4	5	9	2	2	4	7	5	12	12	13	25
	Total	3	4	5	9	2	2	4	7	5	12	12	13	25

### **SUMMARY OF TRAINING FOR RURAL YOUTH (APRIL-06 TO MARCH - 07)**

Subject	No. of					No. of participant									
	programme			SC		ST			Others			Total			
			M	F	T	M	F	T	M	F	T	M	F	T	
Plant protection	1	5	10	0	10	-	-	-	5	0	5	15	0	15	
Fishery	1	3	4	5	9	2	2	4	7	5	12	12	13	25	
Total	2	8	14	5	19	2	2	4	12	5	17	27	13	40	

#### C. TRAINING FOR IN-SERVICE PERSONNEL – NIL

# **SUMMARY OF TRAINING PROGRAMME (APRIL -06 TO MARCH-07)**

Subject	No. of	<b>Duration in days</b>								No. of participant					
	Programme			SC			ST			Others	5	Total			
			M	F	T	M	F	T	M	F	T	M	F	T	
A- On Campus			I		I		I		I				I	<u> </u>	
1. Practicing farmers & farm Women	8	24	13	24	37	7	10	17	91	10	101	111	44	155	
2. Training for Rural Youth	4	16	6	7	13	4	1	5	25	32	57	35	40	75	
3. In-service personnel	1	2	2	0	2	-	-	-	8	0	8	10	0	10	
Sub Total	13	42	21	31	52	11	11	22	124	42	166	156	84	240	

B- Off Campus														
1. Practicing farmers & farm Women	4	12	13	6	19	7	0	7	50	4	54	70	10	80
2. Training for Rural Youth	2	8	14	5	19	2	2	4	12	5	17	27	13	40
Sub Total	6	20	27	11	38	9	2	11	62	9	71	97	23	120
TOTAL	19	62	48	42	90	20	13	33	186	51	237	253	10	360

# D. SPONSORED TRAINING PROGRAMME

Sl. No	Title of training	Duration No. of participants						nts						
	Title of truming	(in days)	SC			ST		(	)ther	S	Total			
			M	F	T	M	F	T	M	F	T	M	F	T
1	Gramin Bhandaran Yojana	3	6	5	11	2	2	4	19	8	27	27	15	42
2	Acid soil management	2	8	3	11	6	1	7	128	54	182	142	58	200
	Total	5	14	8	22	8	3	11	147	62	209	169	73	242

# 14. Result of Front Line Demonstration other than oilseed and pulse crops

#### F.L.D.-1: Integrated Nutrient Management in Rice

Year: 2006-07

Cron	rop Season A		Area	(ha)	No.	of farmers/ De	emo	Remarks
Стор	Season	Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Rice	Kharif 2006	02 ( 0.2 ha each	02	02	2	8	10	Vill- Panisiali, Block- Sonepur
		demonstration						Block Sollepul

#### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern		s of NPK sg/ha)	Rainfall distribution (mm)
Rice	Kharif 2006	28.06.06 to 04.07.06	21.11.06 to 30.11.06	Rain fed low land	Sandy clay	Western central table land	Paddy- fallow	0.464 L 6.37 L 872 H 6.6	(O.C)% (P <sub>2</sub> O <sub>5</sub> ) (K <sub>2</sub> O <sub>5</sub> ) P <sub>H</sub>	June to Nov 2006 (1725 mm in 47 rainy days.)

Crop	Variaty	No. of	Area (ha)	Yield	of Demon	stration (q	ı/ha)	Increase in	Cost of addi (Rs./	
Crop	Variety	farmers	Area (IIa)	Highest	Lowest	Avg.	Local check	yield (%)	Demo.	Local Check
Rice	Swarna	10	2 ( 0.2 ha each farmer)	55	21	38	23	65	1700	800

### Interpretation and critical analysis of the results obtained:

Balance does of fertilizer (N: P:K::60: 30: 30 Kg/ha.) with FYM(5 ton/ha.) and soil application of Biofertilizer (Azospirillum and PSB@ 5Kg each / ha.) have immense effect in the grain yield, it might be due to increase in nutrient use efficiency. However the availability of biofertilizers is limited in the local market.

#### F.L.D.-2: Integrated Nutrient Management in Sugarcane.

Year: 2006-07

Cron	Sassan	Area (ha)	Area	(ha)	No. o	of farmers/	Demo	Domortes
Crop	Season	Area (IIa)	Proposed	Actual	SC/ST	Other	Total	Remarks
Sugarcane	Summer- 2006- 07	02( 0.2 ha each	02	02	0	10	10	Vill-Chasagotha,
	(March planting)	demonstration)						Block- Sonepur

### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro- climatic zone	Previous crop pattern	Status (kg/	of NPK /ha)	Rainfall distribution (mm)
Sugarcane	Summer- 2006-07 (March planting)	20.03.2006 to 27.03.2006	December -2006	Partially Irrigated Medium Land	Sandy clay	Western central table land	Paddy- Toria	0.462 L 12.74 M 275 M 7.11	(O.C%) (P <sub>2</sub> O <sub>5</sub> ) (K <sub>2</sub> O <sub>5</sub> ) P <sub>H</sub>	June -2006 to Nov- 2006 ( 1725 mm in 47 rainydays)

Crop	Variety	No. of	Area (ha)	Yield o	of Demonstr	ation (to	n/ha)	Increase in		itional cash /ha)
Стор	variety	farmers	Area (na)	Highest	Lowest	Avg.	Local check	yield (%)	Demo.	Local Check
Sugarcane	Nayana (Co-86032)	10	2 (0.2 ha each farmer)	107	56	82	53	54.72	6500	3000

## Interpretation and critical analysis of the results obtained:

Balance dose of fertilizer (N:P:K::250:100:125Kg/ha) with FYM (10ton /ha) and soil application of biofertilizer (Azospirillum and PSB@ 5 Kg/ha. each) in sugarcane boostup the cane yield, because of higher nutrient use efficiency. However the availability of biofertilizer and Potash is limited in the local market.

### F.L.D.-3: Nutritional Gardening

Year: 2006-07

Crop	Season	Area (ha)	Area	(ha)	No.	of farmers/ I	Demo	Remarks
		Alea (lla)	Proposed	Actual	SC/ST	Other	Total	Kemarks
Vegetables (Tomato, Brinjal, Chilli, Drumstick, papaya, Cauliflower, Cabbage, Palak, Radish, Carrot, Beans, Cowpea)	Rabi-06	2	2	2	0	10	10	Vill-Badajhinki & Panisiali

### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Vegetables	Rabi -2006	22.09.06 to	04.11.06 to	Medium	Sandy	Western	Fallow	L:M:M	June-Nov.2006
(As above)		30.09.06	08.01.07.	land	Loam	central table			1725.mm in 47
						land			rainy days

Cron	op Variety	No. of	Area	Yield	of Demon	stration (	(q/ha)	Increase		dditional Rs./ha)
Crop	variety	farmers	(ha)	Highest	Lowest	Avg.	Local check	in yield (%)	Demo.	Local Check
Vegetables	B.T -10, Utkal Madhuri, Utkal Ragini, P.K.M-1, Coorg honey dew, Super snowball, Pride of India, All green, Pusa chetki, Pusa keshar, Contender, pusa barsati.	10	2	150	90	110	50	45	2,000	800

# Interpretation and critical analysis of the results obtained :

Women farmers can able to feed their family with sufficient nutritional diet by using the produces of their garden through out the Rabi season with a limited investment.

# F.L.D.-4: Introduction of high yielding Papaya cultivation

Year: 2006-07

Crop	Season	Amaa (ha)	Area	(ha)	No.	of farmers/ D	Demo	Domontro
		Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Papaya	Rabi- 06-07	0.4	0.4	0.4	11	09	20	Vill- Badajhinki & Sanjhinki

# Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Papaya	Rabi-06-07	14.01.07	Aug- 07	Homestead	Sandy	Western	Local	L:M:M	June-Nov.2006
			(Expected)		Loam	central table	varieties with		1725.mm in 47
						land	improper		rainy days
							management		

Crop	Variety	No. of	I	Yield	of Demon	stration	Increase in yield	Cost of additional cash (Rs./ha)	
Стор	variety	farmers		Highest	Lowest	Avg.	Local check	(%)	Demo.
Papaya	Pusa majesty, Madhubala, Pusa Nanha, CO-3, Ranchi Dwarf	20	0.4	Result awaiting					

# Interpretation and critical analysis of the results obtained:

The crop is in powering and fruiting stage.

# F.L.D.-5: Package demonstration of pumpkin and bottle gourd cultivation.

Year: 2006-07

Crop	Season	Arrag (ha)	Area	(ha)	No.	of farmers/ D	Demo	Domontro
		Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Pumpkin and Bottle gourd	Summer	2	2	2	4	6	10	Vill- Singhari

### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Pumpkin	Summer	27.01.07 to	16.04.07 to	Homestead	Sandy	Western	Rice local	L:M:M	June-Nov.2006
and Bottle		31.01.07	19.04.07		Loam	central table	variety		1725.mm in 47
gourd						land	-		rainy days

Crop	Variety	No. of	Area	Yield	of Demons	stration (	q/ha)	Increase in yield	Cost of additional cash (Rs./ha)	
Сгор		farmers	(ha)	Highest	Lowest	Avg.	Local check	(%)	Demo.	Local Check
Pumpkin	P. Vishwas	10	1	300	240	270	170	38	50000	25000
Bottle gourd	P. Naveen	10	1	280	200	250	130	48	30000	15000

### Interpretation and critical analysis of the results obtained:

The yield increase in pumpkin over the previous pattern is 38% and the yield increase in bottle gourd over the previous pattern is 48%.

#### F.L.D.-6: I.P.M in Rice.

Year: 2006-07

Crop Sea	Sassan	Araa (ha)	Area	(ha)	No	of farmers/ D	emo	Domortza
Стор	Season	Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Paddy	Kharif	1	1	1	2	3	5	Vill-Badajhinki

# Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Paddy	Kharif	Last week of	$2^{\text{nd}}$ to $3^{\text{rd}}$	Medium	Sandy	Western	Paddy	L:M:M	June-Nov.2006
(Swarna)	(2006)	June to 1 <sup>st</sup>	week of Nov.	land	Loam	central table			1725.mm in 47
		week of July				land			rainy days

		No. of		Yield	of Demonstr	ation (q/l	na)	Increase	Cost of	additional cash (Rs./ha)
Crop	Crop Variety farmers		Area (ha)	Highest	Lowest	Avg.	Local check	in yield (%)	Demo.	Local Check
Paddy	Swarna	5	1 (0.2 ha each)	40.0	38.0	39.0	29.0	34	1700	600

#### Interpretation and critical analysis of the results obtained:

- The inputs under I.P.M like neem based pesticide (Multineem), detergent (Wetmagic) and chemical insecticide have been applied.
- By assuming the sale price of paddy Rs. 600/q. there is a net gain of Rs. 6000 per hectare.
- The availability of botanicals is limited in the local market and home preparation of botanicals is a tedious process.

#### F.L.D.- 7: Oyster Mushroom Cultivation

Year: 2006-07

Cron	p Season Area (ha)	Aron (ho)	Area	(ha)	No	of farmers/ D	emo	Remarks
Crop	Season	Alea (lla)	Proposed	Actual	SC/ST	Other	Total	Kelliaiks
Oyster	Rabi		100 beds	100 beds	15	10	25	Vill- Lakarma,
Mushroom								Sanjhinki,
								Badajhinki

#### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Oyster	Rabi	25.01.07 to	20.02.07	Backyard		Western			
Mushroom		30.01.07	to26.02.07			central table land			

Cwan	Variety	No. of	Area	Yield o	of Demonstra	ation (kg/	bed)	Increase in	Cost of a cash (1	dditional Rs./ha)
Crop	Variety	farmers	(ha)	Highest	Lowest	Avg.	Local check	yield (%)	Demo.	Local Check
Oyster Mushroom	Pleurotorus sajaricajus	25		1.6	1.2	1.4			25	

#### Interpretation and critical analysis of the results obtained:

Oyster Mushroom cultivation was first demonstrated in Lakarma, Sanjhinki and Badajhinki villages of Sonepur. Farmers did it for first time and got average yield of about 1.4 kg/bed. It is a very good off time business for lady farmers. On an average they invest Rs.25/- per bed, however get Rs.84/- within 25 days. The demand in local market is very high in comparison to supply quantity.

### F.L.D.-8: Composite fish culture

Year: 2006-07

Cron/oultura	Sagan	Area (ha)	No. o	of farmers/ l	Demo	Remarks		
Crop/ culture	Season	Area (IIa)	SC/ST	Other	Total	Remarks		
Composite	Kharif	$0.4 \times 5 = 2.0$	01	04	05	Distribution of fingerlings of catla, Rohu, Mrigala, Grasscrap,		
fish culture						Silver crap & common crap on proper stocking density with		
						stocking ration.		

### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop/ culture	Season	Date of Stocking	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous Crop Pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Composite fish culture	Kharif	02.09.06	3 <sup>rd</sup> wk of June 2007	Farm pond	Clay loam	Western central table land	-	-	June-Nov.2006 1725.mm in 47 rainy days

		No. of	Aron	Yield	of Demonstr	ation (q/	ha)	Increase in	Cost of addit	ional cash (Rs./ha)
Crop	Variety	farmers	Area (ha)	Highest	Lowest	Avg.	Local check	yield wt (%)	Demo.	Local Check
Fish	Composite	5	2 (0.4	-	-	-	-	-	3,000	15,000
culture	fish culture		ha							
			each)							

Result waiting upto the month of June-2007.

# Interpretation and critical analysis of the results obtained:

- Growth performance is better than their previous culture
- Proper utilization of feed
- Farmers are interested to carry out composite fish culture in future.

#### F.L.D.-9: Block Plantation of Teak.

Year: 2006-07

Cron Sasson		Aron (ha)	Area	(ha)	No	of farmers/ D	emo	Domortzo
Crop	Season	Area (ha)	Proposed	Actual	SC/ST	Other	Total	Remarks
Teak	Kharif	1.0	1.0	1.0	3	2	5	Teak staumps of 1 <sup>st</sup>
		(0.2 ha each)						year old were used as
								planting materials

#### Farming situation and results of demonstration on other than oilseed & pulse crops

Crop	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
Teak	Kharif	26.08.06	7 <sup>th</sup> year onwards upto 30 years	Rainfed upland	sandy loam	Western central table land	Degraded land	L:M:H	June- Nov.2006 1725.mm in 47 rainy days

Сгор	Variety	No. of farmers	Awaa (ba)	Yield	d of Demons	stration (q	[/ha) ●	Increase in	Cost of additional cash (Rs./ha)	
			Area (ha)	Highest	Lowest	Avg.	Local check	yield wt (%)	Demo.	Local Check
Teak	One year old stump	5	0.2 (each farmer)	59 cm	39 cm	51 cm	35 cm	41%	800	200

• Yield from the plantation can be calculated from 7<sup>th</sup> year onwards to 30<sup>th</sup> year of plantation. Data on height of the plantation is record every year and D.B.H. will be calculated after 3<sup>rd</sup> year of plantation. Height of the Plant up to Nov-2006 was given in cm in the above table.

#### Interpretation and critical analysis of the results obtained:

Locally plantations are usually done with seedlings. One year old stump plantation gives faster growth than the local check and also more survivability.

### F.L.D.-10: Introduction of fast growing multipurpose tree species in backyard.

Year: 2006-07

Cron	Season	Area (ha)	Area	(ha)	No.	of farmers/ D	)emo	Remarks
Crop	Season	Alea (lia)	Proposed	Actual	SC/ST	Other	Total	Kemarks
A mangium,	Kharif	3 (1 ha each	3	3	20	10	30	Vill-Panisiali
A auriculiformis,		trees						
Tectona grandis		species)						

#### Farming situation and results of demonstration on other than oilseed & pulse crops

Сгор	Season	Sowing date	Harvesting date	Situation	Soil type	Agro-climatic zone	Previous crop pattern	Status of NPK (kg/ha)	Rainfall distribution (mm)
A mangium, A auriculiformis, Tectona grandis	Kharif	26.08.06	After 3 year- 10 year	Rain fed upland	Sandy clay	Western central table land	Less imp. tree sp.	L:M:H	June-Nov.2006 1725.mm in 47 rainy days

Crop	Variety	No. of farmers	Area (ha)	Yield	d of Demons	stration (	Increase in yield (%)	Cost of additional cash (Rs./ha)		
		larmers	(па)	Highest	Lowest	Avg.	Local check	yieid (%)	Demo.	Local Check
Acacia	-	30	1	62	39	56	Other sps. are	-	600	150
mangium							available			
Acacia	-	30	1	67	42	58	Other sps. are	-	500	100
auriculiformis							available			
Tectona	-	30	1	58	38	50	35	42.8	600	150
grandis(Teak)										

• Yield from the plantation will be calculated from 3<sup>rd</sup> years onwards for fuel wood and fodder. *A mangium* and *A auriculiformis* will be harvested for timber at the age of 30 years Height of tree species was given in cm. in the above table (up to Nov- 2006)

### Interpretation and critical analysis of the results obtained:

Acacia mangium and Acacia auriculiformis shows a promising growth in the first year of plantation while Teak also shown faster growth.

# 15. ON FARM TESTING

# OFT-1

a.	Title of Experiment	:	Mangium –Turmeric based Alley Cropping System
b.	Problem	:	Low return from sole crop and have chances of crop failure from sole cropping system due to <i>erratic</i> monsoon.
c.	Hypothesis	•	Assured return from the intercropping system under rainfed condition.
d.	Experiment year	:	1 <sup>st</sup> year
e.	Treatment	:	<ul> <li>T<sub>1-</sub> Farmers practices (sole crop of turmeric)</li> <li>T<sub>2</sub> Intercrop turmeric in 8m x 3m spacing of mangium</li> <li>T<sub>3</sub> Intercrop turmeric in 6m x 3m spacing of mangium</li> </ul>
f.	Critical inputs required	:	Seedlings, Rhizomes, Fertilizer and pesticides
g.	Plot size	:	100 m <sup>2</sup>
h.	No. of replication	:	7
i.	Cost of critical inputs	:	Rs.1000/-
j.	Observation to be recorded	:	<ul><li>(a) Yield of Turmeric</li><li>(b) Height and girth of mangium.</li></ul>

# Results

Plant height (ft)

Plant height (	,		Re	plicatio	ns			Mean	Addition
Treatments	R-I	R-II	R-III	R-IV	R-V	R-VI	R-VII	Mean	return (%) B:C
$T_1$	-	-	-	-	-	-	-	-	-
$T_2$	5.1	4.7	4.1	5.5	3.8	5.6	4.8	4.8	-
T <sub>3</sub>	4.5	4.2	3.9	5.1	4.1	5.5	4.9	4.7	-
Plant girth (ca	m)								
			Re		Mean	Addition			
Treatments	R-I	R-II	R-III	R-IV	R-V	R-VI	R-VII	Mean	return (%) B:C
$T_1$	-	-	-	-	-	-	-	-	-
$T_2$	9.6	10.1	8.9	10.5	9.8	9.3	10.4	9.8	-
T <sub>3</sub>	9.8	9.5	9.2	8.8	9.6	9.3	10.3	9.5	-
Yield of turm	eric in (q	/ ha.)							
			Re	plicatio	ns				Yield Avg.
Treatments	R-I	R-II	R-III	R-IV	R-V	R-VI	R-VII	Mean	over control(%)
$T_1$	103	99.8	101.5	102.3	101.9	102.9	103.3	102.1	-
T <sub>2</sub>	115	114.5	113	114.2	112.9	114.9	115.6	114.3	11.9
T <sub>3</sub>	118.2	117.9	116.2	117.5	115.6	117.4	119.7	117.5	15.0

#### Interruption and critical analysis of results obtained:

Rhizome yield of turmeric in alley cropped with mangium ( $T_2$  and  $T_3$ ) was more than the sole crop of turmeric ( $T_1$ ). It might be due to canopy coverage of mangium plant which reduced the detrimental effect of torrential rain. Close spacing of 6m x 3m mangium ( $T_3$ )gave the highest rhizome yield due to dense planting gave more favorable micro climate (shade) for the turmeric crop.

#### 16. LITERATURE DEVELOPED/PUBLISHED (GIVE DETAILS)

#### a. Research paper

- 1. On farm evaluation of different weed management practices in Kharif ground nut –*Jr. of Res.(OUAT)*: *Dec-06*
- 2. Adoption of recommended ginger cultivation practices.-*Jr. of Spices and Aromatic crops : Dec.06*
- 3. Effect of sources of Nitrogen on growth, yield & economics of forage maize and soil health.- *Jr. of Res. (OUAT): Dec-06*

#### b. Technical Reports

- 1. Progress Report 2005-06
- 2. Annual Report- 2005-06
- 3. EFC Report of XI<sup>th</sup> Plan-2007-11
- 4. Progress Report 2006-07
- 5 Annual Action Plan 2006-07
- 6 Annual Action Plan 2007-08

#### c. Technical bulletins/ Extension Literature: (8 nos.)

- 1. Improved Sesamum cultivation- Dr. S.C. Mohapatra & Sri B.S. Bishoyi
- 2. Profitable Groundnut cultivation- Sri B.S. Bishoyi & Dr. S.C. Mohapatra
- 3. Do mustard cultivation for profit- Sri B.S. Bishoyi & Dr. S.C. Mohapatra
- 4. Aftercare of sugarcane crop- Sri T.K. Das & Mrs. P.Behera
- 5. Integrated pest management in Kharif paddy- Mrs. P.Behera & Sri T.K. Das
- 6. Teak plantation: A profitable Business- Sri. S. Nayak
- 7. Profitable fresh water prawn farming- *Sri B.R. Samataray*
- 8. Improved Cultivation practices of Hybrid Tomato, Brinjal & Chilli- *Mrs. D. Sahu*.

#### d. Popular articles

- 1. Improved package of Practices for summer ground nut-*Chasira Sansara(OUAT):*Aug.-06
- 2. Package of practices for sugarcane cultivation- *Chasira Sansara( OUAT): Sept..-* 06

### 17. Success story/Case study (if any ):

- 1. Nimin in rice
- 2. Propagation of Bamboo
- 3. Composite fish culture

#### 18. Constraints:

#### a. Administrative

1 Insufficient staff like Programme Co-ordinator, scientists and vehicle drivers

.

#### b. Technical

- Lack of civil construction for the new establishment (Building, compound wall, Bore well & Hostel)
- 2. Lack of A.V. aids, Demo unit, computers & digital camera.

#### c. Financial

- 1. Insufficient working contingency as per the approved action plan & late release of fund from OUAT headquarter.
- 2. No farm development fund except revolving fund for seed production.

19. Functional linkage with different organizations

Sl. No.   Name of Organisation   Name of linkage	19.	Functional linkage with different organizations								
1 State Deptt. (Agriculture/Horticulture/Soil Conservation/Forestry/Pisciculture)  2 Regional Plant Resource Centre, Bhubaneswar  3 CIFA, Bhubaneswar  4 CRRI, Cuttack	Sl.	Name of Organisation	Name of linkage							
(Agriculture/Horticulture/Soil Conservation/Forestry/Pisciculture)  2 Regional Plant Resource Centre, Bhubaneswar  3 CIFA, Bhubaneswar  4 CRRI, Cuttack	No.		_							
(Agriculture/Horticulture/Soil Conservation/Forestry/Pisciculture)  2 Regional Plant Resource Centre, Bhubaneswar  3 CIFA, Bhubaneswar  4 CRRI, Cuttack	1	State Deptt.	- Sponsored training programmes							
Conservation/Forestry/Pisciculture)  Regional Plant Resource Centre, Bhubaneswar  CIFA, Bhubaneswar  CRRI, Cuttack  DRDA, Sonepur  AIR, Bolangir  AIR, Bolangir  NABARD  Conservation/Forestry/Pisciculture)  - Farmer scientists interaction - Input Procurement - Input Procurement - Paddy Seeds Procurement - Collection of Information's - Information source - Member (SAC) - Broadcasting Programme - Member (SAC) - Collaborative awareness - Input supply - News paper media - Publication work  Centre, Input Procurement - Input Procurement - Collection of Information's - Information source - Member (SAC) - Collaborative awareness - Input supply - Publication work - Certification of seed		(Agriculture/Horticulture/Soil	- Training of Extension Functionaries							
2 Regional Plant Resource Centre, Bhubaneswar  3 CIFA, Bhubaneswar  - HRD - Input Procurement  4 CRRI, Cuttack - Paddy Seeds Procurement - Collection of Information's  5 DRDA, Sonepur - Information source - Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed										
Bhubaneswar  3 CIFA, Bhubaneswar  - HRD - Input Procurement  4 CRRI, Cuttack - Paddy Seeds Procurement - Collection of Information's  5 DRDA, Sonepur - Information source - Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed		•	- Input procurement							
CIFA, Bhubaneswar	2	Regional Plant Resource Centre,	- Input Procurement							
- Input Procurement  4 CRRI, Cuttack - Paddy Seeds Procurement - Collection of Information's  5 DRDA, Sonepur - Information source - Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed		Bhubaneswar	_							
4 CRRI, Cuttack  - Paddy Seeds Procurement - Collection of Information's  5 DRDA, Sonepur  - Information source - Member (SAC)  6 AIR, Bolangir  - Broadcasting Programme - Member (SAC)  7 NABARD  - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed	3	CIFA, Bhubaneswar	- HRD							
- Collection of Information's  5 DRDA, Sonepur - Information source - Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed			- Input Procurement							
5 DRDA, Sonepur  - Information source - Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed	4	CRRI, Cuttack	- Paddy Seeds Procurement							
- Member (SAC)  6 AIR, Bolangir - Broadcasting Programme - Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed			- Collection of Information's							
6 AIR, Bolangir  - Broadcasting Programme - Member (SAC)  7 NABARD  - Collaborative awareness  8 Local NGOs  - HRD for NGO functionaries - Input supply  9 News paper media  - Publication work  10 Asst. Seed certification office  - Certification of seed	5	DRDA, Sonepur	- Information source							
- Member (SAC)  7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed			- Member (SAC)							
7 NABARD - Collaborative awareness  8 Local NGOs - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed	6	AIR, Bolangir	- Broadcasting Programme							
8 Local NGOs  - HRD for NGO functionaries - Input supply  9 News paper media - Publication work  10 Asst. Seed certification office - Certification of seed			- Member (SAC)							
- Input supply 9 News paper media - Publication work 10 Asst. Seed certification office - Certification of seed	7	NABARD	- Collaborative awareness							
- Input supply 9 News paper media - Publication work 10 Asst. Seed certification office - Certification of seed	8	Local NGOs	- HRD for NGO functionaries							
9 News paper media - Publication work 10 Asst. Seed certification office - Certification of seed		200111005								
10 Asst. Seed certification office - Certification of seed	9	News paper media								
	10									
11 D.D. K, Bhawanipatana - Telecasting of Programme	10	Asst. Seed certification office	- Certification of seed							
	11	D.D. K, Bhawanipatana	- Telecasting of Programme							
12 A.T.M.A., Bolangir - Collaborative awareness	12	A.T.M.A., Bolangir	- Collaborative awareness							

#### 20. Performance of demonstration units: Nil

Sl. No.	Demonstration Unit	Total production	Cost of inputs (Rs.)	Gross income (Rs.)	Net income (Rs.)

# 21. Performance of instructional farm (crops) including seed production:

Sl.	Crop	Area	Variety	Date of	Dates of harvesting	Total	Cost of inputs	Gross income
No		covered		sowing		production	(Rs)	(Rs) (E)
		(ha)				(qt.)		
1		0.4	Pratikhya	07.07.06	12.11.06	15	14,000	15,900
	Paddy	1.8	Swarna	08.07.06	20.11.06	52	54,560	55,120
		0.04	Pusa Sugandha-2	11.07.06	06.11.06	01	1800	2000
		0.04	Pusa Basumati	11.07.06	07.11.06	01	1800	2000
2	Turmeric	0.12	Surama	13.06.06	10.03.07	RS	-	
3	Mango giner	0.04	Amba	13.07.06	15.03.07	RS		
4	Niger	0.12	Deomali	17.08.06	27.09.06	RS		
5	Sugarcane	0.24	Nayana (Co-86032)	12.10.06	10.10.07	100 (E)	8500	9000
6	Toria	0.05	Parvati	15.10.06	05.01.07	0.23	780	782
7	Sesamum	0.03	Uma	16.10.06	10.01.07	0.06	150	200
8	Green gram	0.03	Nayagarh selection-1	13.11.06	15.02.07	0.15	590	595
9	Ragi	0.02	Bhairabi	10.08.06	25.11.06	0.29	350	353
10	Potato	0.05	K.Jyoti	03.11.06	28.01.07	4.25	2210	2300
11	Onion	0.01	Nasik Red	14.11.06	02.04.07	RS		
12	Sweet Potato	0.05	Sourin	08.11.06	25.01.07	1.5	550	600
13	Acacia		Selection	25.05.06	18.08.06	260 nos.	1000	1300
14	Teak		Selection	26.05.06	17.08.06	880 nos.	4000	4400
15	Magur		Asian catfish	10.07.06	27.02.07	0.88	5100	5540
16	Papaya &		Ranchi dwarf, PKM-1	20.06.06	28.07.06	560 nos.	1620	1780
	Drumstick							
17	Ornamental			22.06.06	23.08.06	610 nos.	2830	3050
	Seedling							
18	Pea	0.005	Azad - P-1	10.11.06	05.03.07	0.15	160	180

<sup>•</sup> RS – Reused as seed

<sup>•</sup> E= Expected

#### 22. Utilization of Hostel facilities: Not constructed

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

1. Application of biofertilizer & biopesticides.

# 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 photograph).

1. Use of cow urine in vegetable nursery bed before sowing seed to protect fungal and bacterial diseases.

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

- Identification of courses for farmers/farm women - On the basis of PRA

- Rural youth - On the basis of PRA

In-service Personnel -Training Need assessment

# 26. Any other special programme undertaken by the KVK which has been financed by state Govt./Other Agencies: Nil

#### 27. Seed/Seedling/Sapling: Production under Revolving fund (ICAR) (Achievement)

Crop	Variety	Seed (qt) /seedling ( nos.) /sapling (nos.) production during 2006-07
Paddy	Pratikhya	15
	Swarna	52
	Pusa Sugandha-2	01
	Pusa Basumati	01
Sugarcane	Nayana (Co-86032)	100
Toria	Parvati	0.23
Sesamum	Uma	0.06
Green gram	Nayagarh selection-1	0.15
Ragi	Bhairabi	0.29
Potato	K.Jyoti	4.25
Sweet Potato	P.Sweti	1.5
Acacia Seedling	Improved selection	260
Teak Seedling	Improved selection	880
Magura	Asian Catfish	0.88
Papaya &	Ranchi dwarf & PKM-1	560
Drumstick		
Seedling		
Ornamental		610
Seedling		
Pea	Azad- P-1	0.15

# 28. Scientific Advisory Meeting (s) (SAC): 1st SAC held on 06.12.06

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

2<sup>nd</sup> year of KVK establishment

Sl. No.	Name of the specific technical skill transferred	No. of trainees	% of adoption		n income Rs.)
NO.	technical skill transferred	tramees	adoption	Before	After

#### **30.** Field activities

i. Number of villages adopted: 5

ii. Number of farm families selected: 552

iii. Number of survey/PRA conducted: 5

#### 31. Other Extension Activities :

Activities		iaries youth)	No. of Extension Functionaries			
retivities	Male	Female	Total	Male	Female	Total
Field Days (03 nos.)	90	30	120	13	11	24
Kisan Mela (05 nos)	215	57	272	18	21	39
Film show (01)	33	12	45	07	-	07
Radio Talk (17 nos) *	20,000	3,000	23,000	23	15	48
TV Show (1nos.) *	1000	500	1,500	47	10	57
News paper coverage (10 nos)	20,000	1,000	21,000	50	25	75
Any Other (farmers visited to KUK instructional farm)	230	80	310	20	9	29

<sup>\*</sup> Collected from the media source.

# 32. Utilization of KVK funds during the year (April-06 to Dec-06)

Item	Sanctioned (ICAR)	Released (OUAT)	Expenditure
Pay & allowances	15,00,000	15,38,581	15,38,581
TA	50,000	50,000	49,932
Contingencies	50,000	40,000	40,000
Training, FLD, OFT	1,50,000	1,50,000	1,50,000
Non recurring	-	-	
Works	-	-	
1. Threshing floor	1,70,000	1,70,000	Work done by
			DPP, OUAT
2. Fencing	7,00,000	7,00,000	
3. Tube Well	4,00,000	4,00,000	Placed to
4. Administrative Building	10,00,000	10,00,000	CPWD
Vehicle	-	-	
Computer, LCD &	1,00,000	1,00,000	
Accessories			
Furnitures	50,000	50,000	50,000
Library	10,000	10,000	10,000
Revolving fund	1,00,000	1,00,000	1,00,000
Total	42,80,000	43,08,581	43,08,513

#### 33. Utilization of funds under FLD on Oilseed/Pulse :

Sl.	Item	Sanctioned by ZC			sed by itute	Expenditure up to Dec-06		Unspent balance
No.		Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	
1	Oil seeds	11250	11250	10900	10550	10990	10550	Nil
2	Pulses	12470	12470	12120		12120	12120*	Nil

<sup>\*</sup> Used from the KVK available funds

# 34. Status of Revolving Fund (in lakhs) for 1 years :

			Expected	Net balance in	
Year	Total sanctioned	Opening balance	Fixed Deposit	Farm income	hand as on 1 <sup>st</sup> April of each year
2006-07	1,00,000	1,00,000	-	1,05,100	1,00,000

(Signature of Programme Co-ordinator)