

***ANNUAL PROGRESS REPORT
(FROM APRIL' 2008-MARCH 2009)***



**KRISHI VIGYAN KENDRA
MALKANGIRI**

***ORISSA UNIVERSITY OF AGRICULTURE
& TECHNOLOGY, BHUBANESWAR***

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ANNUAL REPORT

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1. GENERAL INFORMATION ABOUT THE KVK

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

KVK	Postal Address with Pin code	Telephone			E mail
		STD	Office	FAX	
Malkangiri	Krishi Vigyan Kendra, At-Talajahi Po/Dist-Malkangiri, Pin-764045	06861	230050	230050	malkangirikvk@yahoo.co.in

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

Host Institute name	Postal Address with Pin code	Telephone			E mail
		STD	Office	FAX	
Orissa University of Agriculture and Technology, Bhubaneswar	Orissa University of Agriculture and Technology Bhubaneswar-751003	0764	2392677	2391780	http://ouat.ac.in vc@ouat.ori.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.K.Tripathy	-	9437194714	-

1.4. Year of sanction: March, 2006 (started functioning from September, 2006)

1.5. Staff Position (as on 31th March 2009)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Dr. R.K.Tripathy	Programme Co-ordinator	Agronomy	12000-18000/- (14100)	22.12.2008	Permanent	Other
2	Subject Matter Specialist	Shri Bishnupada Giri	SMS	Horticulture	8000-13500/- (8275/-)	17.09.2006	Temporary	Other
3	Subject Matter Specialist	-						
4	Subject Matter Specialist	-						
5	Subject Matter Specialist	-						
6	Subject Matter Specialist	-						
7	Subject Matter Specialist	-						
8	Programme Assistant	-						
9	Computer Programmer	Shri Tanmay Nanda	Prog.Asst (Computer)	PGDCA,E-Commerce	5500-9000/- (6025/-)	09.06.2007	Temporary	Other
10	Farm Manager	-						
11	Accountant / Superintendent							
12	Stenographer	Shri Pradeep Kumar Nayak	Jr. Steno-cum Computer operator		4000-6000/- (4000/-)	12.10.2006	Temporary	Other
13	Driver	Shri Chandra Sekhar Behera	Driver-cum-Mechanic		3050-4590/- (3050/-)	01.08.2007	Temporary	Other
14	Driver	Upendra Mishra	Driver-cum-Mechanic		3050/- (Consolidated)	25.07.2008	Temporary	Other
15	Supporting staff	Budhia Behera	Peon –cum –watchman		2550/- (Consolidated)	30.07.2008	Temporary	Other
16	Supporting staff	Bata Naik	Peon –cum –watchman		2550/- (Consolidated)	01.08.2008	Temporary	Other

1.6. Total land with KVK (in ha) : 20.83 Ha.

S. No.	Item	Area (ha)
1	Under Buildings	2
2.	Under Demonstration Units	-
3.	Under Crops	-
4.	Orchard/Agro-forestry	-
5.	Others	18.83

1.7. Infrastructural Development: A) Buildings Only demarcation of KVK farm with barbed fencing completed (partly) and Admn. Building is going to be started shortly.

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Admin. Building	ICAR				5.3.09	281.69	Contd.
2.	Farmers Hostel	ICAR	-	-	-	-	-	-
3.	Staff Quarters (6)	ICAR	-	-	-	-	-	-
4.	Demo Units (2)	ICAR	-	-	-	-	-	-
5	Fencing	ICAR	09.10.07	5500/r.feet	7,00,000/-			incomplete
6	Rain Water harvesting system	ICAR	-	-	--	-	-	
7	Threshing floor	ICAR	-	-	--	-	-	
8	Farm Godown	ICAR	-	-	--	-	-	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
TATA SUMO	28.04.2006	3,77,270/-	9912	Running
Tractor Mahindra	10.05.2006	3,94,900/-	295 hours	Running

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
TV	2007	11,200/-	Running
DVD	2007	2,400/-	Running
Camera	2007	9,800/-	Running
Stabilizer(0.5w)	2007	1,000/-	Running
Digital Camera	2008	9800/	Running

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

Sl No	Date	No.of Participant	Salient Recommendations	Action taken
1	16.03.09	26	1.Popularisation of aromatic rice cultivation 2.Popularisation of SRI method of Rice cultivation 3.Promotion of rice based inter cropping system 4.Crop Diversification in upland 5.INM in different crops 6. Vermicomposting	1. OFT on assessment of scented rice variety, Gitanjali 2.Convincing the farmers through regular field visit 3.Farmers training 4.OFT on Varietal assessment of tomato 5.FLD on INM in Tomato, Chilli, okra , pumpkin, c
			7.Seed production of paddy , ground nut. 8.Azolla production 9.Screening of local scented Rice verity.	6. Seed production of paddy

2. DETAILS OF DISTRICT (2007-08)

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

S. No	Farming system/enterprise
1	Rice –Rice
2	Rice –Groundnut
3	Rice-vegetables
4	Fallow-Sesamum-Rice
5	Rice-fish
6	Rice-Greengram
7	Pond based
8	Vegetable-vegetable
9	Arhar-Rice

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	South Eastern Ghat	Situated between 17 ^o 49' and 18 ^o 3' N latitude ; 81 ^o 15' and 82 ^o 75' E longitude Scattered and sharp isolated hills and thick forest Major area covered under undulated uplands Major soil type are –red sandy loam, red loam, red laterite and black loam. Annual average rainfall 1521.8mm Mostly poor acidic , red soil . Mono crop with rice,ragi,sesamum,groundnut and some vegetables in kharif as rainfed crops

S. No	Agro ecological situation	Characteristics
1	Medium rainfall, high elevation (1000-1250 mm, 400-900m)	Red soil with undulated up lands , cultivated crops are ,Rice,ragi,kulthi and maize Receiving the rain fall -1200 mm
2	Medium rainfall, low elevation (1000-1250 mm, <400m)	Red and red laterite soil with crop covers like rice,maize,mung with rain fall 1250mm
3	High rainfall, low elevation (>1250 mm, <400m)	Red soil with crop covers of rice,groundnut ,mung and ragi
4	Low rainfall, low elevation (<1000 mm, <400m)	Red and laterite soil ,low rain fall, crop covers like rice ,til ,black gram etc.

2.3 Soil type

S. No	Soil type	Characteristics	Area in ha
1	Red sandy loam	Highly erodible, fertile,covers major area	317.0
2	Red loam laterite	Undulated waste lands ,covers orchard crops,ragi and some pulses and oil seeds	238.0
3	Black laterite	Waste lands	260.0

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Paddy	75150	19200825	25.55
2	Maize	8100	213435	26.35
3	Jower	140	5432	3.88
4	Bajra	150	600	4.00
5	Ragi	6570	62415	9.50
6	Small millets	630	253.6	4.02
7	Arhar	950	41325	4.35
8	Green Gram	2505	95691.1	3.82
9	Black Gram	3780	19278	5.10
10	Groundnut	14156	290198	20.50
11	Sesamum	27410	1110105	4.05
12	Mustard	450	801	1.78
13	Mesta	190	1558	8.20
14	Chilli	1485	18562.5	12.50
15	Ginger	159	5565	35.0
16	Turmeric	295	9440	32.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C	
		Maximum	Minimum
April	9	45.6	20.6
May	4.04	45.4	22
June	280.80	41.6	23.0
July	477.95	36	204.2
August	380.06	34	23
September	148.59	34.8	22.6
October	23.7	33.8	21.2
November	-	29.8	14.0
December	-	26.2	11.2
January	-	29.8	9.0
February	-	36.4	13.2
March	-	41.6	17
Total	1324.14		

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	3020		
<i>Indigenous</i>	400313		
Buffalo	35410		
Sheep			
<i>Crossbred</i>	60		
<i>Indigenous</i>	29424		
Goats	163506		
Pigs			
<i>Crossbred</i>	186		
<i>Indigenous</i>	51535		
Rabbits	-		
Poultry			
Hens			
<i>Desi</i>	584850		
<i>Improved</i>	5866		

2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Malkan giri	Malkan giri	Mundaguda	Paddy,maize,Groundnut. G.gram,Sesamum,Bri njal, Tomato, Dairy, poultry, goaterly,	<ul style="list-style-type: none"> • Low Yield of crops • Occurrence of pest and disease in different crops 	<ul style="list-style-type: none"> • High Yielding disease resistant varieties cultivation • Weed management • IPM, INM, IDM
2	Malkan giri	Malkan giri	Pradhaniguda	Paddy,maize,Groundnut. G.gram,Sesamum,Bri njal, Tomato, Dairy, poultry, goaterly,fishery	<ul style="list-style-type: none"> • Kid mortality of goats • Mortality of poultry 	

3	Malkan giri	Malkan giri	MV-8	Paddy,maize,Groundnut. G.gram,Sesamum,Brinjal, Tomato,chilli,cabbage , cauli flower,Banana,cow pea, pumpkin Dairy, poultry, goatery,fishery	birds <ul style="list-style-type: none"> • Improper Fish pond management • Poor knowledge on nutrient management of diff.crops • Malnutrition of family members • Unemployment of RY 	<ul style="list-style-type: none"> • Cultivation of fodder, • Vaccination/ Deworming • Fish pond mgt. • Capacity building • Balance nutrition • Un Employment
4	Malkan giri	Malkan giri	Pedawada	Paddy,maize,Groundnut. G.gram,Sesamum,Brinjal, Tomato,chilli,cow pea, pumpkin Dairy, poultry, goatery,		
5	Malkan giri	Malkan giri	Tamasa	Paddy,maize,Groundnut. G.gram,Sesamum,Brinjal, Tomato,chilli,cow pea, pumpkin Dairy, poultry, goatery,		

2.8 Priority thrust areas

S. No	Thrust area
1	Integrated nutrient management in Cereals and pulses.
2	Integrated Pest management.
3	Replacement of Local Variety and to increase seed replacement ratio.
4	Promotion of Pisciculture along with integrated cropping system.(FSR approach)
5	Integrated Diseases Management using bio-pesticides, crop rotation.
6	Sustainable Agriculture through suitable cropping system.
7	Natural Resource Management to intact soil health.
8	Yield enhancement in sesamum and groundnut by application of gypsum /paper mill sludge/micro nutrient.
9	Improving productivity in vegetables and fruits through varietal and advance technology.
10	Development of knowledge ,skill of farmer through training

3. TECHNICAL ACHIEVEMENTS

S · N o	Thrus t area	Crop/ Enterpris e	Identifie d Proble m	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extensi on activitie s	Supply of seeds, plantin g materia ls etc.
1	High Yielding disease resistan t varietie s cultivati on	Okra, tomato,	Low Yield of crops	Assessment of tomato variety against wilt. Assessment of okra variety for YMV resistance.	--Introduction wilt res. HYV tomato .	Improved package of practices in seasum Quality seed production Production Technology in		Group meeting , literatur e, Film shows, radio talk Farmer Fair Scientifi c Visit to field, Demon stration	Seed, Fertiliz er Pestici des
2	INM	Pumpkin cow pea Chili Cereals			Cultivation of HYV of Pumpkin Seed treatment with bio fertilizer in cow pea. INM in chili	Production technology of sweet potato, Production technology of chili INM in rice ,Maize,Ground nut			
3	Improvi ng producti vity of fruit crops	Fruits				Agro techniques for cultivation of papaya, Mango ,Cashew nut,	Planning, lay out & management of lemon orchard Rejuvenatio n of orchard		
4	Value addition					Processing of fruit &vegetables			
5	IPM	Rice, Maize,				IPM in maize ,rice	IPM		

3.1.B. Conversion of OFT into FLDs during 2008-09

Thematic Area	Title of OFT	Year of Execution
Varietals Replacement	Assessment of HYV of Okra against YMV	2007
Varietals Replacement	Varietals Substitution for Wilt resistance in tomato	2007

3.1.C. Details of each On Farm Trial :

O.F.T-1

- 1) Title of on-farm trial : **Assessment of High Yielding Variety of Okra against YMV (Arka Anamika)**
- 2) Problem diagnose : Low yield due to heavy infestation of YMV
- 3) Details of technologies selected for assessment/refinement: T₁-FP : Pusa Sawani
T₂- Arka Anamka
- 4) Source of technology:-I I H R, Bangalore.
- 5) Production system and thematic area : Rice –vegetable, varietals evaluation
- 6) Performance of the Technology with performance indicators: Testing of variety against YMV for yield and YMV incidence percentage.
- 7) Final recommendation for micro level situation : Var. **Arka Anamika** is Resistant to YMV
- 8) Constraints identified and feedback for research : Yield lower than other Hybrid
- 9) Process of farmers participation and their reaction: 5 farmers were selected from three of the adopted villages through farmers group meeting. Each replication represents one farmer.

Result of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment
1	2	3	4	5	6	7
Okra	Irrigated medium land	Low yield due to severe infestation of YMV	Assessment of High Yielding Variety of Okra against YMV	5	Yield maximization with introduction of YMV resistant variety	Yield , C:B. ratio, YMV incidence (%age) No of fruits /plant

Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
8	9	10	11	12
F.P . % of YMV = 21 % No of fruits/plant =9	There was less incidence of YMV in Arka Anamika. The yield was also higher (74.6q/ha)as compared to local check(58 q/ha)	Farmers are interested to grow this variety	No	No
R.P . % of YMV = 2% No of fruits /plant =12.6				

Technology Assessed / Refined	Productivity of district	*Production per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Additional yield Qt / Ha	Additional cost (Rs.)	Additional return (Rs.)
13		14			15	16			
Farmer's practice** - Local variety(Pusa Sawani)	56.3 Q/ha	58 Q/ha	27,500	46400	18,900	1.60	16.6	2,100	11,180
Technology assessed**- Use of YMV resistant var.A Anamika		74.6 Q/ha	29,600	59680	30,080	2.01			
Technology refined*		No			No	No			

Farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	PH	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rain fall (mm)	No. of rainy days
					N	P	K					
Okra	Summer	Irrigated medium land	Loam	5.6-6.4	Low (223.8-241.3)	Medium (12.6-17.1)	Medium (238.5-261.6)	Rice	03.02.09 to 11.02.09	06.04.09 onwards		

O.F.T-2

Title of on-farm trial : **Assessment of tomato variety against bacterial wilt**

- 1) Problem diagnose : Low yield due to heavy incidence of wilting
- 2) Details of technologies selected for assessment/refinement: T₁-FP :Pusa Ruby, T₂-: Utkal Prangya
- 3) Source of technology: O.U.A.T, Year- 2007
- 4) Production system and thematic area : Rice –vegetables, Varietal evaluation
- 5) Performance of the Technology with performance indicators: Testing of technology against wilting for yield & Wilt resistance
- 6) Final recommendation for micro level situation : Compatible
- 7) Constraints identified and feedback for research : Yield lower than other Hybrid
- 8) Process of farmers participation and their reaction: Five farmers were selected from three of the adopted villages through farmers group meeting. Each replication represents one farmer.

Result of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment
1	2	3	4	5	6	7
Tomato	Irrigated medium land	Low yield due to severe infestation of wilting	Assessment of variety against wilting	5	Cultivation of wilt resistant var.	Yield,-q /ha % wilting incidence No. of fruits / plant

Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
8	9	10	11	12
F.P . % of Wilt = 39 % No of Fruits/plant =12.2	There was less incidence of wilt in Utkal Prangya.The yield was also higher (248.6 q/ha) as compared to local check -173 q/ha	Yield lower than other Hybrid.	No	No
R.P . % of Wilt = 9 % No of Fruits/plant =17.4				

Technology Assessed / Refined	Productivity of district	*Production per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Additional yield Qt / Ha	Additional cost (Rs.)	Additional return (Rs.)
13		14			15	16			
Farmer's practice** - Local variety(Pusa Ruby)	133.5 Q/ha	173 Q/ha	38000	69200	31200	1.80	75.6	6300	23940
Technology assessed** -Use of wilt resistant var..A Anamika		248.6 Q/ha	44300	99440	55140	2.24			
Technology refined***-		No			No	No			

Crop	Season	Farming situation (RF/Irrigated)	Soil type	PH	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
Tomato	Rabi	Irrigated medium land	Sandy Loam	5.763	Low (182.62182)	Medium (12.3-16.1)	Medium (227.3 - 254.4)	Groundnut	28.10.08 – 05.11.08	03.02.09 onwards		

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2008-09

S. No	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
1	Integrated nutrient management	Integrated Nutrient Management in Chili (Utkal Ava)	Exposure Visit, FLD, Film/CD shows	4	23	8
2	Varietal Replacement	Introduction of HYV of Tomato Utkal Kumari (BT-10)	Exposure Visit, Training, FLD, Film/CD shows, Field day	5	43	28
3	Integrated nutrient management	Integrated Nutrient Management in Pumpkin	Exposure Visit, FLD, Film/CD shows	4	18	11
4	Integrated nutrient management	Seed treatment with bio-fertilizer in Cow pea	Exposure Visit, FLD, Film/CD shows	5	28	12

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

Cereals:

s l n o	crop	thematic area	Technology Demonstrated	Season and year	Area (ha)		No of farmers/Demonstration			Reason for shortfall in achievement
					proposed	actual	sc/st	other	total	
1	Maize	INM	INM in hybrid Maize P-30R77	Summer 09	1	1	5	-	5	

Details of farming situation

C r o p	Se a s o n	Farming situation (RF/Irrigated)	Soil type	PH	Status of soil			Prev i o u s c r o p	Sowing date	Har v e s t d a t e	Seas o n a l r a i n f a l l (mm)	No. o f r a i n y d a y s
					N	P	K					
Maize	Summer	Irrigated Medium land	Sandy loam	5.6 to 6.3	Low (19.1 to 20.9)	Low (8.2 to 8.9)	Medium (20.7 to 23.6)	Rice	14.1.2009 to 22.1.2009	30.4.2009	Nil	

Performance of FLD

S I · N o	C r o p	Technol ogy Demonst rated	Vari ety	No. of Far mers	Area (ha.)	Dist. Produ ctivity	Demo. Yield No. of Cobs/ha			Yield of local Check Qtl./h a	Inc re ase in yie ld (%)	Addi. Yield	Data on parameter in relation to technology demonstrated	
							H	L	A				Demo	Local
1	2	3	4	5	6		7	8	9	10	11		12	13
1	Ma ize	INM in Hybrid maize	P- 30R 77	4	1	22.1 Q/ Ha	1080 00 (43.2 Q/H a)	960 00 (38. 4 Q/H a)	1 0 2 0 0 0 0 (4 0. 8 Q /H a)	72000 (25.2 Q/Ha)	41. 66	3000 0 cobs (15.6 q/ha)	No. of Cobs/ plant =1.8 Length of cob =28.9 cm	No. of Cobs/ plant =1.2 Length of cob =21.2 cm

Economic impact of FLD

Average cost of cultivation(Rs/ Ha)		Average gross return(Rs/Ha)		Average net return/profit(Rs/ Ha)		BC Ratio (GR/GC)		Additi onal Cost (Rs)	Additio nal Return (Rs)
Demonstra tion	Loca l Che ck	Demon stration	Loc al Che ck	Demonstr ation	Local Check	Demonstrat ion	Loc al Check		
22700	195 00	51000	360 00	28300	1650 0	2.24	1.8 0	3200	11800

Technical Feed Back on demonstrated Technology

SI No.	Feed Back
1.	Compatible with farming system

Farmer's reaction on specific technology

SI No.	Feedback
1	Hybrid seeds are more costly than O.P. seeds

Horticultural crops

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall
					Proposed	Actual	SC/ST	Others	Total	
1	Chilli	INM	Cultivation of HYV of chili	Kharif'08	1.0	1.0	4	-	4	
2	Tomato	Varietal substitution	Varietal substitution for wilting in tomato	Rabi,08-09	1.0	1.0	4	0	4	
3	Cowpea	INM	Seed treatment with Rhizobium and PSB and recommended dose of fertilizer	Summer ,09	1.0	1.0	4	0	4	
4	Pumpkin	Integrated crop management	Cultivation of HYV pumpkin	Summer ,09	1.0	1.0	4	0	4	

Farming Situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	PH	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
Chilli	Kharif	Canal Irrigated	Sandy loam	5.8 to 6.3	Low 187.1 To 212.3	Medium 11.4 To 17.6	Medium 208.2 To 247.4	groundnut	20.7.2008 to 28.7.2008	27.10.08 onwards	786.72	43
Tomato	Rabi	Canal Irrigated	Sandy loam	5.3 to 6.3	Low 167.8 To 196.7	Low 8.1 To 9.8	Medium 262.1 To 302.6	Rice	3.10.2008 To 11.10.2008	14.1.2009 onwards	23.7	3

Cow pea	Summer	Canal Irrigated	Sandy loam	5.7 to 6.4	Low 148.3 To 213.1	Medium 12.3 To 16.1	Medium 287.4 To 321.7	Rice	9.2.2009 To 16.2.2009	5.4.2009 onwards		
Pumpkin	Summer	Canal Irrigated	Sandy loam	5.4 to 6.2	Low 159.1 To 207.4	Medium 13.2 To 15.3	Medium 309.6 To 336.9	Rice	2.2.2009 to 10.2.2009	29.4.2009 onwards		

Performance of FLD

Sl. No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Dist. Productivity	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Addi. Yield	Data on parameter in relation to technology demonstrated	
							H	L	A				Demo	Local
1	2	3	4	5	6		7	8	9	10	11		12	13
1	Chilli	INMt in Chilli	Utkal Ava	4	1.0	14.5	76.3	65.7	71	56	26.78	15	No Fruits /plant = 69.2	No Fruit /plant = 54.6
2	Tomato	Cultivation of wilt resistant var	BT-10	4	1.0	131.5	241.4	227.2	234.3	168.5	39.0	65.8	No Fruits /plant = 16.4	No Fruit /plant = 11.2
3	Cowpea	Seed treatment with Rhizobium and PSB	Utkal Manika	4	1.0	32.5	61.6	53.2	57.4	48	19.5	29.4	No Fruits /plant = 24.4	No Fruit /plant = 17.2
4	Pumpkin	cultivation of HYV of pumpkin	Gua mal	4	1.0	-	227.3	216.1	221.7	178.5	24.2	43.2	No Fruits /plant = 2.2 Av. Fruit wt. =2.7 Kg	No Fruit /plant = 1.6 Av. Fruit wt. =2.1 Kg

Average cost of cultivation(Rs/Ha)		Average gross return(Rs/Ha)		Average net return/profit(Rs/Ha)		BC Ratio (GR/GC)		Add. Cost (Rs.)	Add. Return(Rs.)
Demo.	Local Check	Demo.	Local Check	Demo.	Local Check	Demo.	Local Check		
33000	29000	71000	56000	38000	27000	2.21	1.93	4000	11000
43800	37500	93720	67400	49920	29900	2.13	1.7	6300	20020
24700	23600	45920	38400	21220	14800	1.9	1.6	1100	6420
34600	31500	88680	71400	54080	41900	2.56	2.2	3100	12180

Technical Feed Back on demonstrated Technology

Sl No.	Feed Back
1.	More demonstration is needed for further spread.
2.	Hybrid seeds yield more than BT-10
3.	More demonstration is needed for further spread
4.	Compatible

Farmer's reaction on specific technology

Sl No.	Feedback
1	Farmers accepted.
2	Wilt resistance Tomato BT-10 cost higher than improved seed available in market
3	Nonavailability of bio- Fertilizer , in Local Market
4	Technology is adopted.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	1	31.03.09	50	
2	Farmers Training	2	20/21/2/09 19,20/1/09	50	
3	Media coverage	3	26.3.09 31.3.09 8.4.09	-	-
4	Training for extension functionaries	-	-	-	-

c. Details of FLD on Enterprises : NIL

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / Indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

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

(iii) Other Enterprises

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

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

A) ON Campus : NIL (Campus building yet to be constructed)

B) OFF Campus(Consolidated table (Off Campus))

Thematic Area	No. of Courses	Duration (days)	No. of Participants						
			Others			SC/ST			Grand Total
			Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women									
I Crop Production									
Weed Management	2	4				36	14	50	50
Resource Conservation Technologies									
Cropping Systems	1	2	-	-	-	24	1	25	25
Crop Diversification	1	2	-	-	-	24	1	25	25
Integrated Farming	1	2	-	-	-	20	5	25	25
Water management	1	2	-	-	-	19	6	25	25
Seed production									
Nursery management	1	2	-	-	-	20	5	25	25
Integrated Crop Management	3	6	-	-	-	44	31	75	75
Fodder production									
Production of organic inputs	1	2	-	-	-	21	4	25	25

Thematic Area	No. of Courses	Duration (days)	No. of Participants						Grand Total
			Others			SC/ST			
			Male	Female	Total	Male	Female	Total	
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops	1	2				25	0	25	25
Off-season vegetables									
Nursery raising	1	2				25	0	25	25
Exotic vegetables like Broccoli									
Export potential vegetables									
Grading and standardization	1	2				20	5	25	25
Protective cultivation (Green Houses, Shade Net etc.)	1	2				25	0	25	25
b) Fruits									
Training and Pruning	1	2				22	3	25	25
Layout and Management of Orchards	2	4				45	5	50	50
Cultivation of Fruit	2	4				28	22	50	50
Management of young plants/orchards	1	2				20	5	25	25
Rejuvenation of old orchards									
Export potential fruits									
Micro irrigation systems of orchards									
Plant propagation techniques	1	2				20	5	25	25
c) Ornamental Plants									
Nursery Management									
Management of potted plants									
Export potential of ornamental plants									
Propagation techniques of Ornamental Plants									
d) Plantation crops									
Production and Management technology	1	2				25	0	25	25
Processing and value addition	1	2				25	0	25	25
e) Tuber crops									
Production and Management technology	1	2				16	9	25	25
Processing and value addition									
f) Spices									
Production and Management technology									
Processing and value addition									
g) Medicinal and Aromatic Plants									
Nursery management									
Production and management technology									
Post harvest technology and value addition									

Thematic Area	No. of Courses	Duration (days)	No. of Participants						Grand Total
			Others			SC/ST			
			Male	Female	Total	Male	Female	Total	
III Soil Health and Fertility Management									
Soil fertility management									
Soil and Water Conservation									
Integrated Nutrient Management									
Production and use of organic inputs									
Management of Problematic soils									
Micro nutrient deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									
IV Livestock Production and Management									
Dairy Management									
Poultry Management									
Piggery Management									
Rabbit Management									
Disease Management									
Feed management									
Production of quality animal products									
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening									
Design and development of low/minimum cost diet									
Designing and development for high nutrient efficiency diet									
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									
VI Agril. Engineering									
Installation and maintenance of micro irrigation systems									
Use of Plastics in farming practices									

Thematic Area	No. of Courses	Duration (days)	No. of Participants						Grand Total
			Others			SC/ST			
			Male	Female	Total	Male	Female	Total	
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	2	4				45	5	50	50
Integrated Disease Management	1	2				25	0	25	25
Bio-control of pests 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									
Hatchery management and culture of freshwater prawn									
Breeding and culture of ornamental fishes									
Portable plastic carp hatchery									
Pen culture of fish and prawn									
Shrimp farming									
Edible oyster farming									
Pearl culture									
Fish processing and value addition									
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									

Thematic Area	No. of Courses	Duration (days)	No. of Participants						Grand Total
			Others			SC/ST			
			Male	Female	Total	Male	Female	Total	
Group Dynamics									
Leadership development									
Group dynamics									
Formation and Management of SHGs									
Mobilization of social capital									
Entrepreneurial development of farmers/youths									
WTO and IPR issues									
XI Agro-forestry									
Production technologies									
Nursery management									
Integrated Farming Systems									
XII Others (Oil Seed)									
TOTAL	28	56				574	126	700	700
(B) RURAL YOUTH									
Mushroom Production									
Bee-keeping									
Integrated farming									
Seed production									
Production of organic inputs									
Integrated Farming									
Planting material production									
Vermi-culture									
Sericulture									
Protected cultivation of vegetable crops									
Commercial flower production									
Repair and maintenance of farm machinery and implements									
Nursery Management of Horticulture crops	2	4				20	-	20	20
Training and pruning of orchards									
Value addition	1	2				8	2	10	10
Production of quality animal products									
Dairying									
Sheep and goat rearing									
Quail farming									
Piggery									
Rabbit farming									
Poultry production									
Ornamental fisheries									
Para vets									
Para extension workers									
Composite fish culture									
Freshwater prawn culture									
Shrimp farming									
Pearl culture									
Cold water fisheries									

Thematic Area	No. of Courses	Duration (days)	No. of Participants						Grand Total
			Others			SC/ST			
			Male	Female	Total	Male	Female	Total	
Fish harvest and processing technology									
Fry and fingerling rearing									
Small scale processing									
Post Harvest Technology									
Tailoring and Stitching									
Rural Crafts									
TOTAL	3	6				28	2	30	30
(C) Extension Personnel									
Productivity enhancement in field crops									
Integrated Pest Management	1	2	10	0	10				10
Integrated Nutrient management									
Rejuvenation of old orchards	2	3	20	0	20				20
Protected cultivation technology	1	1	10	0	10				10
Formation and Management of SHGs									
Group Dynamics and farmers organization									
Information networking among farmers									
Capacity building for ICT application									
Care and maintenance of farm machinery and implements									
WTO and IPR issues									
Management in farm animals									
Livestock feed and fodder production									
Household food security									
Women and Child care									
Low cost and nutrient efficient diet designing									
Production and use of organic inputs									
Gender mainstreaming through SHGs									
Any other (Post harvest)									
TOTAL	4	4	40	0	40				40

Horticulture

Date	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	No. of participant			Number of SC/ST		
					M	F	T	Male	Female	Total
17,18/4/08	Farmers/FW	Production technology in sweet potato	2	Off Campus				16	9	25
6,7/05/08	Farmers/FW	Rising and care of vegetable seedlings	2	Off Campus				25	0	25
16/06/08	Extension Functionaries	Paining layout and management of orchard	2	Off Campus				10	0	10
10,11/06/08	Farmers/FW	Pre & post planting care basin management of young fruit plant	2	Off Campus				25	0	25
10,11/7/08	Farmers/FW	Production tech. in ceashew nut	2	Off Campus				16	9	25
13,14/8/08	Farmers/FW	Protected cultivation	2	Off Campus				25	0	25
12,13/9/08	Farmers/FW	Principles of training & pruning	2	Off Campus				24	1	25
18,19/10/08	Farmers/FW	Management of orchard	2	Off Campus				25	0	25
27,28/11/2008	Farmers/FW	Site selection ,digging of pits,after care of young fruit plants	2	Off Campus				25	0	25
12,13/12/08	Farmers/FW	Management of cashew orchard	2	Off Campus				25	0	25
21,22/12/08	Rural youth	Seedling & sapling production	2	Off Campus				10	0	10
29,30/12/08	Farmers/FW	Agro techniques for cultivation of papaya	2	Off Campus				4	21	25
17,18/1/09	Farmers/FW	Cultivation technology of mango	2	Off Campus				24	1	25
29,30/1/09	Rural youth	Processing of fruit & vegetable	2	Off Campus				8	2	10
18,19/2/09	Rural youth	Nursery management in Hort. Crops	2	Off Campus				10	0	10
20,21/2/09	Farmers/FW	Cultivation technology of chilli	2	Off Campus				18	7	25
6,7/3/09	Farmers/FW	Value added products from fruit & vegetable	2	Off Campus				20	5	25
23,24/3/09	Farmers/FW	Production of sapling Of fruit plants	2	Off Campus				24	1	25
26. 3. 09	Extension Functionaries	Planning , lay out of lemon orchard	2	On Campus				10	0	10
27. 3. 09	Extension Functionaries	Cultivation of veg., under protectedcondition		On Campus				10	0	10

Crop Production										
2,3/4/08	Farmers/FW	I WM in rice	2	Off Campus				15	10	25
10,11/7/08	Farmers/FW	Nursery management in rice	2	Off Campus				20	5	25
12,13/8/08	Farmers/FW	INM in rice	2	Off Campus				21	4	25
19,20/1/09	Farmers/FW	INM in maize	2	Off Campus				2	23	25
27,28/1/09	Farmers/FW	IWM in ground nut	2	Off Campus				21	4	25
15,16/2/09	Farmers/FW	INM in ground nut	2	Off Campus				21	4	25
24,25/2/09	Farmers/FW	SRI method of rice cultivation	2	Off Campus				21	4	25
13,14/3/09	Farmers/FW	Water management in rice	2	Off Campus				19	6	25
18,19/3/09	Farmers/FW	Crop diversification in rice based cropping system	2	Off Campus				24	1	25
20,21/3/09	Farmers/FW	Intercropping in rain fed upland	2	Off Campus				24	1	25
26,27/3/09	Farmers/FW	Farming system approach	2	Off Campus				20	5	25
Plant protection										
14,15/4/08	Farmers/FW	IPM in Rice	2	Off Campus				20	5	25
26,27/5/08	Farmers/FW	IPM in Maize	2	Off Campus				25	0	25
10,11 / 6/08	Farmers/FW	IDM in Rice	2	Off Campus				25	0	25

(E) Sponsored Training Programmes

Sl. No	Title	Themati c area	Month	Durati on (days)	Client	No. of course s	No. of Participants						Sponsoring Agency	
					PF/R Y/ EF		Male		Female		Total			
							Other s	SC/S T	Other s	SC/S T	O t h e r s	SC/ST		Total
1	Acid Soil Man age ment	Soil Manag ement	Jan	1	PF	1						100	100	Departmen t of Soil Science C.A BBSR
2	Acid Soil Man age ment	Soil Manag ement	Jan	1	PF	1						100	100	Departmen t of Soil Science C.A BBSR
3	Acid Soil Man age ment	Soil Manag ement	Jan	1	PF	1						100	100	Departmen t of Soil Science C.A BBSR
4	Acid Soil Man age ment	Soil Manag ement	Jan	1	PF	1						100	100	Departmen t of Soil Science C.A BBSR
Total												400	400	

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	1	37	13	50				50	-	50
Kisan Mela										
Kisan Ghosthi										
Exhibition	3	2100	-	2100				2100		2100
Film Show										
Method Demonstrations										
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons	12	1200		1200				1200		1200
Newspaper coverage										
Radio talks	3									
TV talks	1									
Popular articles	2									
Extension Literature	6	5000	-	5000				5000	-	5000
Advisory Services										
Scientific visit to farmers field	64	110	-	110				110	-	110
Farmers visit to KVK	47	60	-	60				60	-	60
Diagnostic visits	10	150	-	150				150	-	150
Exposure visits										
Ex-trainees Seminar										
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)										
Any Other (Specify)										
Total	149	8657	13	8670				8657	13	8670

3.5 Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	Rice	Khandgiri,Pratikshya	33.5	41,875	Stock in hand
OILSEEDS					
PULSES					
VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	33.5	41875	Stock in hand
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
TOTAL				

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
SPICES					
VEGETABLES					
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

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

BIO PRODUCTS : NIL

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
1						
2						
3						
4						
BIOFERTILIZERS						

1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK : NIL

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
Cattle						
Sheep and Goat						
Poultry						
Fisheries						
Others (Specify)						

SUMMARY

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

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

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

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Standardisation of propagation Tech.in Bael ,Custard apple	B. Giri	500
Technical reports			
News letters			
Technical bulletins	Nursery management in vegetable	B. Giri	500
Popular articles			
Extension literature (Leaflets)	Use of growth regulator ., in fruit	B..Giri	1000
	Use of growth regulator in.,vegetable	B.Giri	1000
	Nursery management in vegetable	B.Giri	500
	Soil sample collection	T.K. Samanta	1000
	Green gram cultivation	T.K. Samanta	1000
	Sesamum cultivation	T.K. Samanta	500
Others (Pl. specify)			
TOTAL			6000

(C) Details of Electronic Media Produced : NIL

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

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

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

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

- Identification of courses for farmers/farm women PRA, Group discussion
- Rural Youth
- Inservice personnel

3.11 Field activities

- i. Number of villages adopted : Five
- ii. No. of farm families selected : 100
- iii. No. of survey/PRA conducted : Five

3.12. Activities of Soil and Water Testing Laboratory-NIL

Status of establishment of Lab :

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

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

3. Details of samples analyzed so far :

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

4.0 IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Seed treatment with bio fertilizer in Cowpea	4	67 %	11900 / ha	17220 / ha
INM in Pumpkin	4	67 %	41900 / ha	54080 / ha
Cultivation of YMV resistant Variety of Okra , Arka Anamika	4	73 %	11900 / ha	18280 / ha

Control of leaf webber & pod borer in Sesamum	5	85 %	8000 / ha	15000 / ha
Cultivation of wilt resistant HYV of Brinjal Blue star	4	86 %	44260 / ha	63500 / ha
Introduction of new HYV of Rice Pratikshya	4	91 %	13000 / ha	16800 / ha
IPM in rice	4	72.5	9100 /ha	12400 /ha

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

Crop	Problem	Technology	No. of beneficiaries	Farmer' reaction	Spread		
					Village	No. of farmer	Area(ha)
Chili	Low yield	INM in Chilli	4	Accepted	4	23	8
Tomato	Wilting	Cultivation of wilt res. variety	5	Accepted	5	43	28

Economic impact

Crop	Yield qt/ha		% increase	Av. Cost Rs./Ha		Gross return Rs/ha		Net Return Rs/ha		B.C. Ration	
	Local	Demo		Local	Demo	Local	Demo	Local	Demo	Local	Demo
Chili	56	71	26.78	29000	33000	56000	71000	27000	38000	1.93	2.21
Tomato	168.5	234.3	39.0	37500	43800	67400	93720	29900	49920	1.7	2.13

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Govt. of Orissa	Joint diagnostic survey, preparation of key message, conducting training of farmers and line department officials, demonstrations, involvement as resource persons in KVK training programmes & their training.
Department of Horticulture, Govt. of Orissa	Training and exposure visits (to KVK and KVK adopted villages) of officials, involvement as resource persons in KVK training programmes & NHM programme
Animal Resource Development Department, Govt. of Orissa	Sharing of information & participation in meeting

Department of Soil Conservation, Govt. of Orissa	Exchange of information ,participation in meeting .
Department of Fisheries, Govt. of Orissa	Exchange of information and involvement in planning process
N.G.Os.	Imparting trainings, village adoption programmes, Involvement as resource persons in their training programmes.
All India Radio, Jeypore	Radio talks, participation in farm and home programmes, question-answers forum and participation in phone-in-please programme, broadcasting of KVK activities
Other KVKs of State	Exchange of technology ,literatures, seeds and expertise .

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

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

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-: **yes**
(This year in the month of september,07 ATMA was lunched in this district.)

S. No.	Programme	Nature of linkage	Remarks
1	Training	Involve as a resource person,PRA survey	
2	Launching of Action plan	DPD(Tech.)	

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1	Training	Involve as a resource person	No

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
1		No	No

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm) : NIL

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

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(Qtl.)	Cost of inputs	Gross income	
Cereals			1.2	Khandagiri Pratikshya	TLS	9.3 24.2	Rs.19328/-	41,875/-	
Pulses									
Oilseeds (Groundnut)									
(Sesamum)									
mustard									
Fibers									
Spices & Plantation crops									
Mango									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

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) - NIL

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Utilization of hostel facilities : NIL

Accommodation available (No. of beds) :

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
October 2006			
November 2006			
December 2006			
January 2007			
February 2007			
March 2007			
April 2007			
May 2007			
June 2007			
July 2007			
August 2007			
September 2007			

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	State Bank of India	Bhubaneswar	
With KVK	State Bank of India	Malkangiri	11384457399

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2007
	Kharif 2008	Rabi 2008-09	Kharif 2008	Rabi 2008-09	
Inputs	-	Nil	-	0.08	
Extension activities				0.02	
TA/DA/POL etc.				-	
TOTAL				0.1	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

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

7.5 Utilization of KVK funds during the year 2006-07

S. No.	Particulars	Sanctioned by ICAR	Released by OUAT	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	400,000	400,000	395349
2	Traveling allowances	50,000	50,000	40,348
3	Contingencies	150,000	150,000	150,000
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library	10,000	10,000	9,436
TOTAL (A)		610,000	610,000	59,5133
B. Non-Recurring Contingencies				
1	Works	7,00,000	7,00,000	7,00,000
2	Equipments including SWTL & Furniture	75,000	75,000	74,351
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)	10,000	10,000	10,000
TOTAL (B)		7,85,000	7,85,000	7,84,351
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.6 Utilization of KVK funds during the year 2007-08

For the year 2007-08 (up to March,08)

S. No.	Particulars	Sanctioned by ICAR	Released by OUAT	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	15.00,000	907432	907432
2	Traveling allowances	48,000	48,000	48,000
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		2098000	1404934	1404934
B. Non-Recurring Contingencies				
1	Works	10.00,000	10.00,000	10.00,000
2	Equipments including SWTL & Furniture	95,000	85,899	84,900
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		10,95,000	10,85,899	10,84,900
C. REVOLVING FUND		50,000	50,000	30,015
GRAND TOTAL (A+B+C)		3243000	2540833	2519849

Utilization of KVK funds during the year 2008 - 09

S. No.	Particulars	Sanctioned by ICAR	Released by OUAT	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	200000	1030503	1030503
2	Traveling allowances	70000	70000	23337
3	Contingencies	706850	706850	356288
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments		236850	133451
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings		400000	199500
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		2776850	1807353	1410128
B. Non-Recurring Contingencies				
1	Works	2200000	2200000	2200000
2	Equipments including SWTL & Furniture	50,000	50,000	49800
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)		2250000	2250000	2249800
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		2250000	2250000	2249800

7.5 Status of revolving fund (Rs. in lakhs) for 2 years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2007 to March 2008	50,000	34,910	Rs.30,015	Rs 54,895
April 2008 to March 2009	54,895	41,875	19,328	77,442

8.0 Please include information which has not been reflected above (write in detail). - No

8.1 Constraints :

- (a) Administrative : Five number of SMS and one Programme Asst. yet to be appointed
- (b) Financial : Office contingencies is to be increased
- (c) Technical : Online sending of reports sometimes creates difficulties

(Programme Coordinator)

K.V.K.,Malkangiri

For official use only

Success Story

(One season study)



**KRISHI VIGYAN KENDRA
MALKANGIRI**



**ORISSA UNIVERSITY OF AGRICULTURE AND
TECHNOLOGY , BHUBANESWAR-3**

Success Story-1

SUCCESSFUL FARMER-1 (SESAMUM CULTIVATION)

1. Name of Enterprise/Technology/Practice: **Sesamum Cultivation**

2. Name and Address of the Farmer- Sri. Monaj Kumar Padhi
S/o-Narasingha Padhi
At-Mundaguda
Po/Dist-Malkangiri

3. Initial Status:

Sesamum is one of the major oilseed crop cultivated in district of Malkangiri covering an area of about 27410 hectare. The productivity of the crop in the district is about 4.05q/ha. The reason of low productivity is mainly due to use of local variety with local practices. Generally, sesamum is cultivated in the fallow and marginal land in the district during pre-rabi season (August to October) which is very often attacked by severe disease and pest incidence.

Mundaguda, is one of the adopted village of Krishi Vigyan Kendra, Malkangiri. It is located in sadar block-cum-NAC of Malkangiri district which is around 3 kms from Malkangiri. The total no of family is 110 dominated by scheduled caste. Most of the people of the village are under matriculate who depend on only cultivation and majority of farm family are under marginal category. About 90% of cultivated land is irrigated by canal irrigation through Satiguda Irrigation Project, Rice, groundnut and vegetables are major Kharif as well as Rabi crops and sesamum is only pre-rabi crop cultivated by the farmers. Farmers of the village are not aware about the scientific crop management practice.

Sri. Monaj Kumar Padhi, age about 45 years, a gradual, Brahmin caste, is a farmer of village Mundaguda have 6.0 ha of land. He generally cultivates Rice in 4.0 ha and sesamum in 2.0 ha during Kharif and only rice in 6.0 ha during summer season, In cultivation of sesamum he was not able to get a remarkable yield due to use of local variety and lack of knowledge on INM practice and Plant protection measure. He was in search of getting higher production by adopting the necessary management practices.

4. K.V.K Intervention

Keeping in the view of such problems in sesamum cultivation, KVK, Malkangiri made some intervention of yield maximization with introduction of improved package of cultivation. To achieve this, KVK organized one farmer training on improved package of practices of sesamum cultivation and two On Farm Testing of Assessment of HYV of sesamum and management of pod borer and leaf webber in sesamum in the village. Monaj Kumar Padhi is an innovative farmer of this village who adapted this Agro technique for sesamum cultivation from KVK Scientists. He was suggested to use HYV seed with recommended fertilizer does and integrated pest management.

5. Innovation Extension approach

K.V.K, Malkangiri organized farmer training programme on improved package of practices of sesamum cultivation & provided technical extension literatures published by KVK to the farmers. The KVK scientists also kept regular touch to the farmers through frequent field visit and organizing group meeting.

6. Details of Technology

- a) seed- use of HYV sesamum Parchi
- b) Sowing – Uniform sowing with adequate seed rate of 10 Kg/ha
- c) Manure & Fertilizers-FYM-10t/ha
N-30 kg/ha, P-15 kg/ha, K-15 kg/ha and S-25kg/ha
- d) Intercultural-Completion of weeding at 20 days after sowing
- e) Disease and Pest Management-Spraying of Endosulphan @2ml/litre
and Chloropyriphos@ 2ml/lit

7. Adoption of Technology and Benefit to Farmer

Sri Monaj Kumar Padhi a advanced Farmer was very much inspired with the KVK activities of sesamum cultivation. He adopted above technology and applied it in his own land. He cultivated sesamum in his 2 ha of land during pre-rabi 2007-08 as per the guidance of KVK scientists. He also used to keep regular contact with scientists of KVK. Ultimately the crop was success and he was able to get an additional yield of 4 q/ha and a additional benefit of Rs.7, 000/- per ha. Previously, he used to get only 6.0 q/ha by his own practice. He utilized that amount of profit in the development of his own cultivated land.

8. Modals of technology dissemination

Below *****

9. Farmers reaction and feedback

Sri. Padhi is very much impressed with the cultivation technology of Sesamum. He is interested to cultivate sesamum in 4.0 ha in next year. The other farmers are also very much impressed seeing the success of Sri. Padhi in his own field. They are also interested to adopt this same technology in their own field in the next cropping season. The farmers are also demanding for the supply of quality seeds and other information related to sesamum cultivation.

10. Extent of defused effects of newly adopted technology

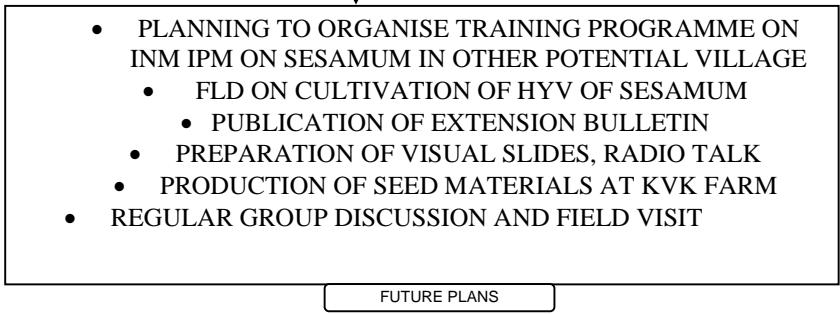
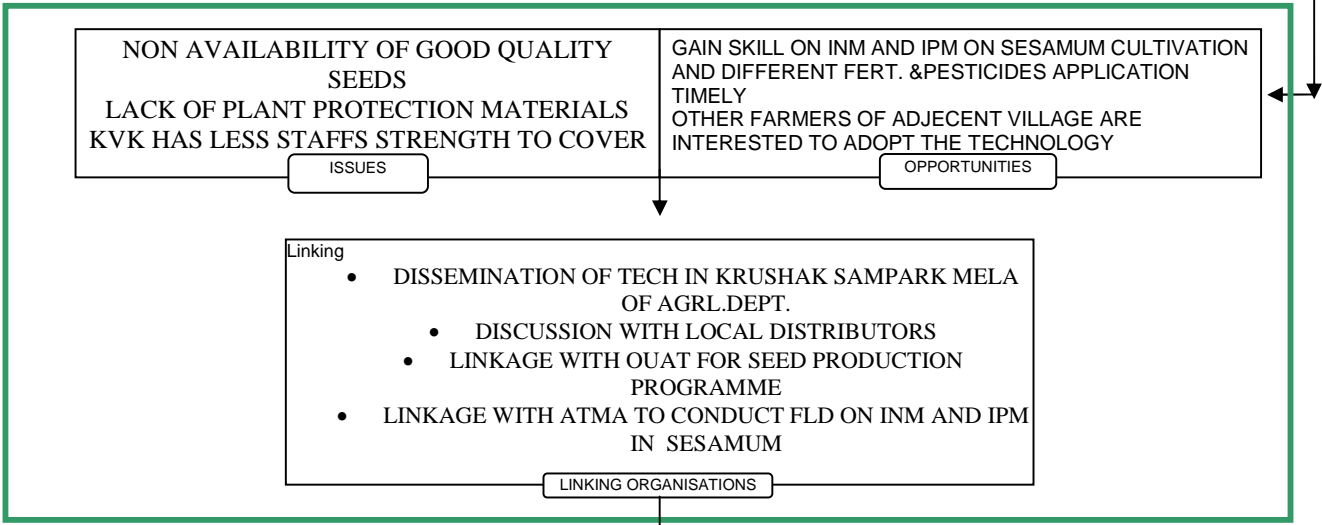
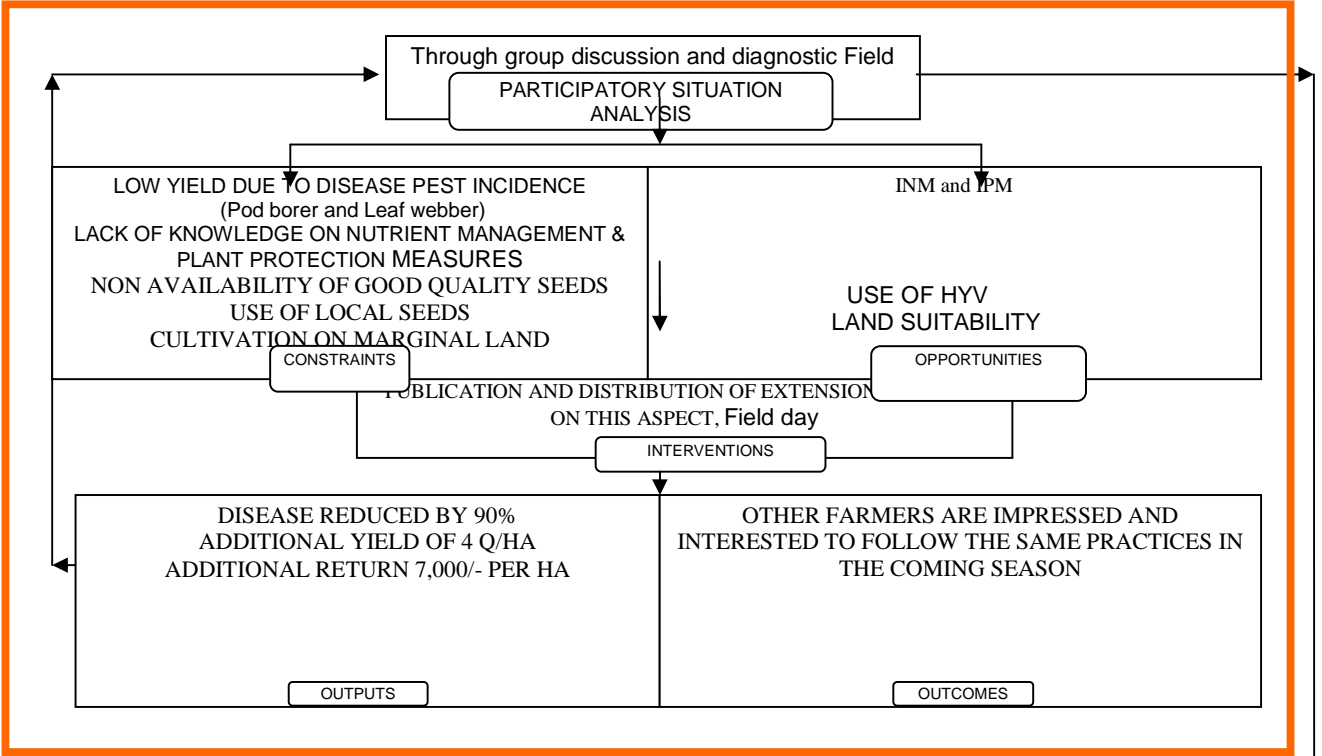
Being inspired by the success of Sri. Padhi other farmers of Mundaguda Village and also the neighboring village are very much interested to follow the same cultivation technology of sesamum in their own field.

11. Follow up action.

Krishi Vigyan Kendra, Malkangiri has planed to organized more no. of farmers training programme and to conduct front line demonstration for the wider and proper dissemination of technology on cultivation of sesamum in the adopted as well as other potential villages

The KVK, Malkangiri also planned for foundation seed production programme in his own farm. It has also linkage with ATMA, Malkangiri to demonstrate of sesamum of quality seeds. Also KVK, Malkangiri put this matter in District Agril. Strategic commit metting to supply of quality seed of sesamum to farmers.

Sesamum cultivation



Photographs of sesamum field of Sri. Manoj Kumar Padhi, a farmer Village Mundaguda of Malkangiri.



Success Story-2

SUCCESSFUL FARMER-2

(GROUNDNUT CULTIVATION)

1. Name of the Enterprise//Technology/Practice- Groundnut cultivation

2. Name & Address of the Farmer:- **Shri Ghana Krisani**
S/o- Sona Krisani
At.-Pedawada, Block-Malkangiri,
P.o/Dist.-Malkangiri.

3.Initial status:-

Groundnut is the major oilseed crop of the Malkangiri District covering the area about 0.61(000. hectare). The productivity of the district is 15.02 q/ha. The reason of low productivity is due to disease and pest incidence and lack of knowledge on improve cultivation practices.

Pedawada, a village in Malkangiri block of Malkangiri District situated it a distance of 16 kms away from District Head Quarter. There are 50 households & most of them are marginal farmers. They cultivate rice, groundnut , sesamum and vegetables. The soil of the village is suitable for groundnut cultivation. Farmers of this village are not aware above the scientific crop management practices. In this area bud necrosis, collar rot, wilting of groundnut are major problems but farmers are ignorant about the recommended practices.

Sri.Ghana Krisani, aged about 48, scheduled tribe in caste, education is upto primary, a farmer of village Pedawada, have 2.0 hectare of land. He generally cultivates paddy in 1.6 ha and 0.4 ha vegetables in Khariff and 2.0 hectare of groundnut in Rabi season. In groundnut he was getting low production due to lack of knowledge on INM practices and plant protection measures. He was in search of getting higher production by adopting the necessary management practices.

4. KVK Intervention:

Keeping in the view such problems of groundnut cultivation KVK organized 2 nos. of training programmes on INM & IPM practices in groundnut in this villages. Ghana Krisani is an innovative farmer of this village who adopted the agro techniques for groundnut cultivation for first time in that villages. He was suggested to treat the seeds with Rhizobium culture and PSB culture before sowing, and application of Zypsum & micronutrients and the KVK scientist regularly touch with farmer and organize group meeting and field visit with one field day.

5. Innovative Extension Approach:-

KVK Malkangiri organized two nos. of training programme about groundnut cultivation and provided technical extension literature to the farmers and also disseminate the same technology in other potential villages through Krushak Samparka Mela.

6. Details of Technology:

a)Seed Treatment: i-Treated the seeds with Thiophenate Methyl @2 gm /kg of seeds before sowing.

i-Treated the Seeds with Rhizobium Culture & PSB @200gm/kg. each one days before sowing.

b)Sowing-Line Sowing

c)Manure & Fertilizer:-

F.Y.M.-10 ton/hect.

N-20 kg/ha.

P-40kg/ha.

K-40kg/ha

Gypsum-125kg/ha

d)Micronutrient application - Ammonium molybdate 5kg/ha.

e)Interculture:

Completion of hoeing, weeding 20 days after sowing.

f)Disease & Pest Management:-

Application of sixer (carbendazim+mancozeb) @2gm/lit. for wilting.

Application of Roko (Thiophenate Methyl @2gm/lit of water) for Tikka Disease

Application of Chlorodust for whitegrubs @20kg/ha. before sowing.

7. Adoption of Technology & Benefit to the Farmers:-

After organisation of the training programme, Ghana Krisani an innovative farmer of village Pedawada adopted above technology in his own field . He also maintained regular touch with KVK scientist. The crop was succeeded and he got an additional yield of 7 quintal/hectare and an additional return of Rs.10,000/- per hectare. He utilized this amount of profit in his sisters marriage ceremony.

8. Models of Technology Dissemination:

Below *****

9.Farmers' reaction and feed back.

The other farmers are impressed with the cultivation technology of groundnut, seeing the yield of groundnut in the field of Sri. Ghana Krisani, they are also interested to adopt the same technology in their own field in next cropping season and the farmers are also demanded for the supply of quality seeds and plant protection materials .

10. Extent of diffusion effects of the newly adopted technology

Being inspired by the success of Ghana Krisani the other farmers of the village and neighboring village are interested to follow the same package of practices for groundnut cultivation in their own field.

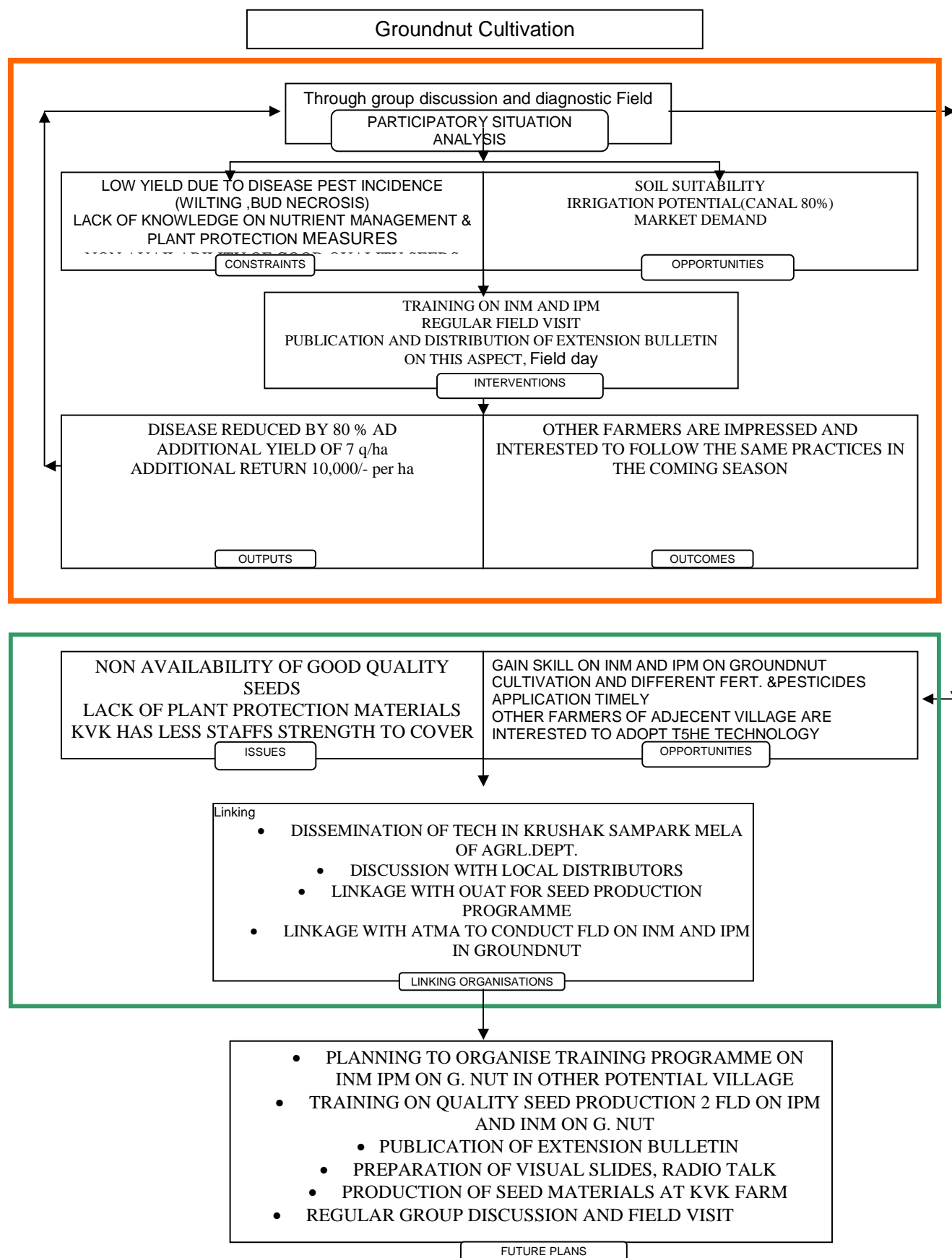
11. Follow up action :

KVK, Malkangiri has planned to conduct 2 nos. of FLD in its adopted village for wider and proper dissemination of the technology on INM and IPM of the groundnut. It has also plan to organize training programme in other potential village regarding above technology. KVK has taken seed production of programme (**Foundation seeds**) at his own farm (5 ha.). It has also linkage with **ATMA, Malkangiri** to demonstration on INM

and IPM in groundnut and raised this issue in district level Agril. strategic committee meeting to supply of quality seeds.

Photographs – Below *****

8. Models of Technology Dissemination:



Sri. Ghana Krisani a farmer of Pedawada village of Malkangiri in his own Groundnut field

