ANNUAL PROGRESS REPORT 2009-10





KRISHI VIGYAN KENDRA MALKANGIRI

ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY, BHUBANESWAR

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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		Telephone		E mail
	code	STD	Office	FAX	
Malkangiri	Krishi Vigyan Kendra, At-Talasahi 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	Postal Address with Pin code		Telephone		E mail
name		STD	Office	FAX	
Orissa University	Orissa University of Agriculture	0674	2392677	2391780	http:/ouat.ac.in
of Agriculture and	and Technology				vc@ouat.ori.nic.in
Technology,	Bhubaneswar-751003				
Bhubaneswar					

1.3. Name of the Programme Coordinator (I/C) with phone & mobile No

	1.3. Name of the Programme Coordinator (I/C) with phone & mobile No							
Name			Telephone / Contact					
		_ saraphone, Commer						
		Residence	Mobile	Email				
		Residence	Modic	Ellian				
Mr. Sanja	ay Kumar Mohanty	_	9437368659	-				

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

1.5. Staff Position (as on 31th March 2010)

						Pay				Catego
Name of KVK.	Sanctioned post	Name of the incumbe nt	Discipli ne	Highe st degre e	Subject of Speciali- zation	Scal e (Rs.)	Prese nt basic (Rs.)	Date of joinin g	Permane nt /Tempor ary	ry (SC/S T/ OBC/ Others)
Malkang iri	Programme Coordinato r	Sri Sanjay Kumar Mohanty	Plant Protectio n	M.Sc. (Ag.)	Entomolo gy	8,000 - 13,50 0	0	17.06. 06	Temporary	Others
Malkang iri	Subject Matter Specialist1	Smt. Bidyutla ta Mallick	Home Scieice	M.Sc. (H.Sc .)	Home Science	8,00	8,00	28.10. 09	Temporary	S.T
Malkang iri	Subject Matter Specialist2	Miss. Sunita Dandase na	Agrono my	M.Sc. (Ag.)	Agronom y	8,00	8,00	23.11. 09	Temporary	S.T
Malkang iri	Subject Matter Specialist3									
Malkang iri	Subject Matter Specialist4									
Malkang iri	Subject Matter Specialist5									
Malkang iri	Subject Matter Specialist6									
Malkang iri	Programme Assistant									
Malkang iri	Farm Manager									
Malkang iri	Computer Programme r									
Malkang iri	Accountant / superintend ent									
Malkang iri	Stenograph er	Sri Pradeep Kumar Nayak		B.Sc.		4,000 -6000		12.10. 06	Temporary	Others
Malkang iri	Driver	Sri Chandra Sekhar Behera		HSC		3,005 -75- 3,950 -80- 4,590	0	01.08. 07	Temporary	S.C
Malkang iri	Driver	Sri Upendra Mishra		HSC		3,050	3,05 0	25.07. 08	Temporary	Others
Malkang iri	Supporting staff	Sri Budhia Behera		-		2,550	2,55 0	30.07. 08	Temporary	OBC

Name of KVK.	Sanctioned post	Name of the incumbe nt	Discipli ne	Highe st degre e	Subject of Speciali- zation	Pay Scal e (Rs.)	Prese nt basic (Rs.)	Date of joinin g	Permane nt /Tempor ary	Catego ry (SC/S T/ OBC/ Others)
Malkang iri	Supporting staff	Sri Bata Naik		-		2,550	2,55 0	01.08. 08	Temporary	S.C
Malkang iri										

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

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

B) Vehicles

<u> </u>				
Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
TATA SUMO	28.04.2006	3,77,270/-		Running
Tractor Mahindra	10.05.2006	3,94,900/-		Running
Hero Honda Motor cycle	31.03.2010	49,965/-		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
LCD Projector	2010	72,750/-	Running

1.8. Details SAC meeting* conducted in the year

Venue &	No. of Participant	Salient	Action taken
Date	_	Recommendations	
DRDA Conference Hall Dt. 12.03.2009	26	Testing of INM in Groundnut.	OFT on assessment of INM and weed management module in Ground nut
		Popularization of SRI method of Rice cultivation	Training on techniques to be adopted for SRI method of rice cultivation to practicing farmers
		INM in Maize	FLD on INM in maize
		Production of Vermins and Vermicompost	Training on Vermin Vermicompost production and preparation of Vermiwash. FLD on Vermicompost production
		Testing of aromatic rice variety	OFT on scented rice
		Shoot and Fruit borer management in Brinjal	OFT on fruit and shoot borer in Brinjal.
		Developing farming system models.	FLD on Integrated farming system
		Disease management in Tomato	FLD on management of leaf curl viral disease in tomato.
		Introduction of wilt resistant variety of tomato	OFT on assessment of wilt resistant high yielding variety of tomato (Utkal Raja)
		Crop diversification in upland	Training to farmers for maize, groundnut, pulse like Arhar, Bengalgram, in upland during Kharif

2. DETAILS OF DISTRICT (2009-10)

$\textbf{2.1. DISTRICT PROFILE} \ (\textbf{detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)} \\ -$

Malkangiri District at a Glance

Agro Climatic Zone	South Eastern Ghat Zone
Location	Chhatishgarh in North and West, Andhra Pradesh in South,
Location	Koraput district in East
Latitude	17 ⁰ 40' to 18 ⁰ 43'
Longitude	81° 22' to 82 ° 25'
Altitude	300-900 m MSL
River system	Saberi in the North-West and Sileru in the South separating
Kivei system	Malkangiri from Andhra Pradesh and Chhatishgarh
Population density	87 per sq km (as per 2001 census)
Total Geographical	579100 ha(As per Dist. Statistical hand Book)
area	379100 ha(As per Dist. Statistical hand book)
Gross cultivated area	167000 ha
Total cultivated area	141560 ha
High land	87121 ha (61.55%)
Medium land	30414 ha (21.48%)
Low land	` '
	24025 ha (16.97%) 505000 (SC-23%, ST-55% & Other-22%)
Total Population	,
Total Agriculture	91667
Family	252000
Total Population of	253000
Male	252000
Total Population of	252000
Female	20.520/
Literacy rate	30.53%
Soil Texture	Sandy loam, clay loam
Soil type	Red laterite, acidic
Fertilizer	17.78: 8.92: 4.82 kg NPK per hectare
Consumption	
Major Cropping	Rice-Rice, Rice-Groundnut, Rice-vegetable, sesamum-Rice
system	Rice-Maize
Predominant crop	Paddy (Area-85126 ha, average yield-20.12 q/ha)
	Groundnut(Area-14156 ha, average yield-21.64 q/ha)
Other crops	Sesamum, Greengram, Maize, Vegetables
Cropping intensity	126% during 2008-09
Major plantation crop	Mango, Banana
Average annual	1521.8 mm (75% received during June to September)
rainfall	
Relative Humidity	25-70%

Average Maximum	44.8 ^o C
Temp.	

DETAILS OF DISTRICT (2009-10)2.2 Major farming systems/enterprises (based on the analysis made by the KVK) 2.2

iviajoi ia	ining 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
	S. No 1 2 3 4 5 6 7

$2.3. \ Description \ of \ Agro-climatic \ Zone \ \& \ major \ agro \ ecological \ situations \ (based \ on \ soil \ and \ topography)$

S. No	Agro- climatic Zone	Characteristics
1	South Eastern Ghat	Situated between 17 ⁰ 49' and 18 ⁰ 3' N latitude; 81 ⁰ 15' and 82 ⁰ 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 coveres like rice ,til ,black gram etc.

2.4 Soil type

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

2.5. Weather data

Month Normal Actual		Deviation	Temperature		
	Rainfall	rainfall	from	Maximum C	Minimum ^o C
	(mm)	2009-10	Normal		
		(mm)	Rainfall		
		_			
April	34.8	0	34.80	45.6	22.6
May	49.1	3.55	45.55	45.4	22.0
June	212.2	84.38	127.82	41.6	23.0
July	465.7	456.20	9.50	36.0	24.2
August	472.8	307.60	165.20	34.0	23.0
September	281.2	166.93	114.27	34.8	22.6
October	109.5	5.33	104.17	33.8	21.2
November	23.6	-		29.8	14.0
December	3.0	-		26.2	11.2
January	2.7	-		29.8	9.0
February	4.0	-		36.4	13.2
March	8.9	-		41.6	17.0
Total	1667.6	1324.14			

2.6. Crop coverage

Crop	Area(ha)	Production (q)	Productivity(q/ha)
•			• \ • /
Total Paddy	75150	19200825	25.55
Total Maize	8100	213435	26.35
Arhar	950	41325	4.35
Greengram	2505	95691	3.82
Blackgram	37.80	192.78	5.10
Groundnut	14156	290198	20.50
Sesamuim	27410	1110105	4.05
Mustard	450	801	1.78
Mesta	190	1558	8.20
Chilli	1485	1185625	12.50
Tomato	1693	209060	123.40
Brinjal	3675	456080	124.10
Cabbage	908	232100	255.61
Cauliflower	456	63390	139.01
Okra	1466	126530	86.30
	Total Paddy Total Maize Arhar Greengram Blackgram Groundnut Sesamuim Mustard Mesta Chilli Tomato Brinjal Cabbage Cauliflower	Total Paddy 75150 Total Maize 8100 Arhar 950 Greengram 2505 Blackgram 37.80 Groundnut 14156 Sesamuim 27410 Mustard 450 Mesta 190 Chilli 1485 Tomato 1693 Brinjal 3675 Cabbage 908 Cauliflower 456	Total Paddy 75150 19200825 Total Maize 8100 213435 Arhar 950 41325 Greengram 2505 95691 Blackgram 37.80 192.78 Groundnut 14156 290198 Sesamuim 27410 1110105 Mustard 450 801 Mesta 190 1558 Chilli 1485 1185625 Tomato 1693 209060 Brinjal 3675 456080 Cabbage 908 232100 Cauliflower 456 63390

2.7. Live Stock Scenario in the District

Live stock	Breed	Population (no.)	Milk/meat Production
Cow	Indian breed	428963	5.9TMt
	Exotic	5692	5.53TMt

Bufallo	Indian breed	46890	5.381TMt
Total		481545	16.811TMt
Goat	Indian breed	144961	13653
Sheep	Indian breed	28545	4454 Kg/year
Pig	Indian breed	60173	-
Poultry	Indian breed	487244	10.56 ml/yr (egg)
Duck	Indian breed	24357	2 lakh/yr (egg)

2.8. Details of Operational area / Villages

Sl · N o.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Malkan giri	Malkan giri	Mundagu da	Paddy, maize, Groundnut, G.gram, Sesamum, Brinjal, Tomato, Dairy, poultry, goatery	 Imbalance nutrient management Lack of knowledge in integrated disease and pest management in different 	 High Yielding disease resistant varieties cultivation Weed management
2	Malkan giri	Malkan giri	Kadabaha 1	Paddy,maize,Groundn ut. G.gram,Sesamum,Bri njal, Tomato, Dairy, poultry, goatery,fishery	Low yield due to cultivation of local verities	 In Mi, Hvin, IDM Cultivation of fodder, Vaccination/ Deworming Fish pond mgt. Capacity building Balance nutrition Un Employmen t
3	Malkan giri	Malkan giri	MV-8	Paddy,maize,Groundn ut. G.gram,Sesamum,Bri njal, Tomato,chilli,cabbage , cauli flower,Banana,cow pea, pumpkin Dairy, poultry, goatery,fishery	 Low production from fishery and live stock enterprises Drudgery to farm women Un employed rural youth 	

4	Malkan giri	Malkan giri	Pedawada	Paddy,maize,Groundn ut. G.gram,Sesamum,Bri njal, Tomato,chilli,cow pea, pumpkin Dairy, poultry, goatery,	•	Post harvest loss of fruits and vegetables Low income due to rice mono croping and drought condition Reduction of soil	
5	Malkan giri	Malkan iri	Siadimala	Paddy,maize,Groundn ut.G.gram,Sesamum,B rinjal,Tomato,chilli,co w pea, pumpkin Dairy, poultry, goatery,		fertility	

2.9. A) THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

Sl.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 Pisiculture 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.

2.9.B) PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Sl.No.	Problem identified	Methods of problem identification
1.	Low yield due to imbalance nutrient	PRA Survey, Focused group discussion
	management of different crops	
2.	Lack of knowledge in integrated	PRA Survey, Focused group discussion
	disease and pest management of	

	different crops	
3.	Low yield due to cultivation of local	PRA Survey, Focused group discussion
	variety	
4.	Low production from fishery and	PRA Survey, Focused group discussion
	livestock enterprises	
5.	Drudgery to Farm Woman	PRA Survey, Focused group discussion
6.	Unemployment rural youth	PRA Survey, Focused group discussion
7.	Post harvest loss of fruits and	PRA Survey, Focused group discussion
	vegetable	

Details of On Farm Testing:

O.F.T -1

- 1. Title of the OFT: Assessment of Wilt tolerant high yielding variety of tomato (Utkala Raja)
- 2.Problem Diagnosed: Low yield of tomato due to use of old varieties
- 3. Details of technologies selected for assessment/refinement: T1- Pusa rubi , T2 Utkala Raja
- 4. Source of technology: OUAT, Bhubaneswar
- 5. Production system and thematic area: 2007
- 6. Performance of the Technology with performance indicators: Testing of variety against low yield
- 7. Final recommendation for micro level situation: The wilt tolerant variety can be used in both irrigated and rain fed condition
- 8. Constraints identified and feedback for research: Keeping quality is low
- 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.

Results on 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	Low	Assessment	5	Yield	No. of fruits
	Medium	yield of	of high		maximization	per plant &
	Land	tomato	yielding		By Certified	Fruit
		due to	variety of		seed of	weight
		use of	tomato		Tomato	
		old	(Utkala		variety –	
		varieties	Raja)		Utkala Raja	

Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
8	9	10	11	12
F.P . No. of fruits per plant-12	Number of fruits per plant increased and weight of fruit is also comparatively higher	Farmers are interested to grow	No	No
Fruit weight- 46 gm.	than the old var. Pusa	this		
R.P . No. of fruits per plant-18	rubi	variety		
Fruit weight- 72 gm.				

Technology Assessed / Refined	Productivi ty of district (Kg.)	*Production per unit(Kg.)	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al yield Qt / Ha	Additional cost (Rs.)	Additional return (Rs.)
13		14			15	16			
Farmer's practice* * -Local variety (Pusa rubi)		17300	38000	69200	31200	1.82			
Technolo gy assessed* *- Yield maximiza tion By Certified seed of Tomato variety – Utkala Raja	12340	26800	47000	107200	60200	2.29	95	9000	29000
Technolo gy refined**	No		-	-	-	-		-	

Farming Situation:

Crop	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil	Previ ous crop	Sowing date	Harv est date	Seas onal rain fall	No. of rai ny day	
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)	
				N	Р	К				
Tomato	Rabi	Irrigated	Sand y loam	Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236 .1)	Rice			

OFT-2

- 1. Title of the OFT: Assessment YMV resistant variety of Okra (Arka Anamika)
- 2.Problem Diagnosed: Low yield Due to high infestation of YMV
- 3. Details of technologies selected for assessment/refinement: T1-pusa Sawani, T2- arka Anamika
- 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.

Results on 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	Results of	Feedback	Any	Justification
parameter	assessment	from the	refinement	for refinement

		farmer	done	
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	Farmers are interested to grow this	No	No
R.P. % of YMV = 2% No of fruits /plant =12.6	to local check(58 q/ha)	variety		

Technolog y Assessed / Refined	Producti vity of district	*Productio n per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al yield Qt / Ha	Additiona I cost (Rs.)	Additiona I return (Rs.)
13		14			15	16			
Farmer's practice* * -Local variety(P usa Sawani)		58 Q/ha	27,500	46400	18,900	1.60			
Technolo gy assessed* *-Use of YMV resistant var.A Anamika	56.3 Q/ha	74.6 Q/ha	29,600	59680	30,080	2.01	16.6	2,100	11,180
Technolo gy refined**		No			No	No			

Farming Situation:

Crop	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil	Previ ous crop	Sowing date	Harv est date	Seas onal rain fall	No. of rai ny day
									(mm	S

)	
				N	Р	К				
Okra	Summer	Irrigated medium land	Loam	Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236 .1)	Pad dy			

OFT-3

- 1.Title of the OFT: Assessment of HYV of Groundnut (Smruti)
- 2.Problem Diagnosed: Low yield Due to old variety
- 3. Details of technologies selected for assessment/refinement: T1-JL-24, T2- Smruti
- 4. Source of technology: -----
- 5. Production system and thematic area: Rice-Groundnut, Varietal evaluation
- 6. Performance of the Technology with performance indicators: Testing of technology against for yield
- 7. Final recommendation for micro level situation : Compatible
- 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.

Results on 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
Groundnut	Irrigated	Low yield	Assessment	5	Yield	Yield and
	medium		of High		maximization	Pods/plant
	land		yielding		with	_
			variety of		introduction	
			Groundnut		of HYV	
			Smruti			

Data on the Result parameter assess	from the	Any refinement done	Justification for refinement
-------------------------------------	----------	---------------------	------------------------------

8	9	10	11	12
F.P .	Yield of Smruti was	Farmers	-	=
Yield of JL - 24 was	19.6 qtl/ha as	are		
16.1 qtl/ha	compared to JL - 24	interested		
	16.1 qtl/ha	to grow		
Avg. no of pods/plant-	Increase in yield 21.7	this		
18	Avg. no of pods/plant-	variety		
R.P.	20.6 in Smruti where			
Yield of Smruti was	as it is 18 in the case of			
19.6 qtl/ha Avg. no of	JL-24			
pods/plant- 20.6				

Technolog y Assessed / Refined	Producti vity of district	*Productio n per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al yield Qt / Ha	Additiona I cost (Rs.)	Additiona I return (Rs.)
13		14			15	16			
Farmer's practice		16.1	14300	31395	17095	2.19			
Technolo gy assessed	20.50	19.6	16000	38220	22220	2.38	3.5	1700	5125
Technolo gy refined**									

Farming Situation:

Сгор	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil		Previ ous crop	Sowing date	Harv est date	Seas onal rain fall (mm	No. of rai ny day s	
					N	Р	K					

Groundn ut	Kharif	Irrigated	Sand y loam	Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236	Pad dy	22-8-09 to 30-8-09	18- 12- 09 to 30- 12- 09	-	-
						236					

OFT-4

- 1. Title of the OFT: Assessment of high yielding variety of Green gram
- 2. Problem Diagnosed: Low yield of Green gram due to use of old varieties
- 3. Details of technologies selected for assessment/refinement: T1- Use of unidentified variety, T2-Certified seed of Green gram variety –Durga
- 4. Source of technology: OUAT, Bhubaneswar, 2005
- 5. Production system and thematic area: Rice-Green gram, Varietal evaluation
- 6. Performance of the Technology with performance indicators: Testing of technology against yield
- 7. Final recommendation for micro level situation: Compatible
- 8. Constraints identified and feedback for research: Availability of seed, further research is required to develop YMV resistant veriety.
- 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.

Results on 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
Greengram	Irrigated medium land	Low yield	Assessment of High yielding variety of Greengram Durga(OBGG52)	5	Yield maximization with introduction of HYV	Yield and Pods/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 . Yield-3.76qtl. Pods/plant-36.2	Yield of local variety was 3.76 qtl/ha as compared to 7.42 qtl/ha Increase in yield 97.34%	Farmers are interested to grow this	-	-
R.P. Yield-7.42qtl. Pods/plant-69.4	Avg. no of pods/plant- 69.4 in Durga where as it is 36.2 in the case of local variety	variety		

Technolog y Assessed / Refined	Producti vity of district	*Productio n per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al yield Qt / Ha	Additiona I cost (Rs.)	Additiona I return (Rs.)
13		14			15	16			
Farmer's practice		3.76	9000	18800	9800	2.08			
Technolo gy assessed	3.82	6.7	9500	33500	24000	3.52	2.94	500	14200
Technolo gy refined**									

Farming Situation:

Crop	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil			Previ ous crop	Sowing date	Harv est date	Seas onal rain fall (mm	No. of rai ny day s
					N	Р	К					
Greengra m	Late Rabi	Irrigated	Sand y loam		Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236 .1)	Pad dy	January 2 nd . week	Mar ch last wee k	-	-

OFT-5

- 1. Title of the OFT: Assessment of high yielding varity of pointed gourd (Swarna alaukik)
- 2.Problem Diagnosed: Low yield due to use of local variety.
- 3. Details of technologies selected for assessment/refinement: Planting of cuttings Pointed gourd variety- Swarna Alaukik
- 4. Source of technology: CHES, Bhubaneswar, 2007
- 5. Production system and thematic area: Rice-Vegetable, Varietal Evaluation
- 6. Performance of the Technology with performance indicators: Testing of technology against yield

- 7. Final recommendation for micro level situation : Compatible
- 8. Constraints identified and feedback for research : Availability of planting materials, further research is required to prevent immature flower & fruit dropping.
- 9. Process of farmers participation and their reaction: 5 farmers were selected from two of the adopted villages through farmers group meeting. Each replication represents one farmer.

Results on 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
Pointed gourd	Irrigated, Medium land	Low yield due to use of local variety	Assessment of high yielding varity of pointed gourd (Swarna alaukik)	5	Planting of cuttings Pointed gourd variety- Swarna Alaukik	Yield, 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. Yield/ha210Qtl No. Of fruits/plant- 64	Yield of local variety was 210qtl/ha as compared to 254 qtl/ha Increase in yield	Farmer appreciating the variety due to good yield, better	-	-
R.P .	20.95% Avg. no of	marketability		
Yield/ha254Qtl No. Of fruits/plant-	fruits/plant-75.6 in Swarna Aloukik			
75.6	where as it is 64 in the case of local variety			

Technolog y Assessed / Refined	Producti vity of district	*Productio n per unit	Gross cost(Rs.)	Gross return (Rs.)	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al yield Qt / Ha	Additiona I cost (Rs.)	Additiona I return (Rs.)
13		14			15	16			
Farmer's practice		210	52000	210000	158000	4.03			
Technolo gy assessed	-	254	62000	254000	192000	4.09	44	10000	34000
Technolo gy refined**									

Farming Situation:

Сгор	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Si	tatus of soi	ı	Previ ous crop	Sowing date	Harv est date	Seas onal rain fall (mm	No. of rai ny day s
					N	Р	K					
Pointed gourd	Rabi	Irrigated	Sand y loam	-	Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236 .1)	Pad dy	October 2 nd week	Dec em ber 3 rd wee k onw ard s	-	-

OFT-6

- 1. Title of the OFT: Assessment of use clipping knife in harvesting of okra
- 2.Problem Diagnosed: Low efficiency and high drudgery in plucking of okra
- 3. Details of technologies selected for assessment/refinement: Use of clipping knife in harvesting of okra
- 4. Source of technology: NRCWA, Bhubaneswar, 2008
- 5. Production system and thematic area: Rice-Vegetable, Assessment
- 6. Performance of the Technology with performance indicators: Testing of technology against efficiency of clipping knife in okra
- 7. Final recommendation for micro level situation : Compatible
- 8. Constraints identified and feedback for research: -

9. Process of farmers participation and their reaction: 10 farmers were selected from two of the adopted villages through farmers group meeting. Each replication represents one farmer.

Results on 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 efficiency and high drudgery in plucking of okra	Assessment of use clipping knife in harvesting of okra	10	Use of clipping knife in harvesting of okra	Quantity of okra plucked/hour

Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
8	9	10	11	12
F.P . 10 kg/ hour	Efficiency of clipping knife was 17 kg/hour as compared to 10 kg/hour when plucked	Farmer appreciating the technology	-	-
R.P.	manually. Increase in efficiency 70%			
17 kg/hour				

Technolog y Assessed / Refined	Producti vity of district	*Efficiency/ hour	Gross cost for plucking (Rs.)	Gross weight of okra plucked/ day	Net Return (Profit) in Rs. / unit	BC Ratio	Addition al quantity of okra plucked	Additiona I cost (Rs.)	Additiona I quantity of okra plucked/d ay
13		14			15	16			
Farmer's practice		10kg	Rs 3/blade + Labour charge- Rs90/8h rs	80 kg.	-	.86 kg harvest ed/rup ee			
Technolo gy assessed	-	17kg.	Rs 25/Clip ping knife+ Labour charge- Rs90/8h rs	136 kg	-	1.18 kg harvest ed/rup ee	56	22	56
Technolo gy refined**									

Farming Situation:

Crop	Season	Farming situation (RF/Irrigate d)	Soil type	РН	Si	tatus of soi	I	Previ ous crop	Sowing date	Harv est date	Seas onal rain fall (mm	No. of rai ny day s
					N	Р	К					
Okra	Rabi	Irrigated	Sand y loam	-	Low (191 .4 to 209. 7)	Lo w (8.2 to 8.9)	Me diu m (20 7.2 to 236 .1)	Pad dy	October 2 nd week	Dec em ber 3 rd we ek on war ds	-	-

FLD

Cereals:

s l n o	crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		farmers	Reason for shortfa Il in achieve nment		
					Propose d	actual	sc/st	other	total	
1	M ai	INM	INM in hybrid Maize P-30R77	Summer 09	1	1	5	-	5	
	z e									

Details of farming situation

C ro p	Se as on	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil			Prev ious crop	Sowing date	Har vest dat e	Seas onal rainf all (mm)	No. of rai ny day s
					N	Р	К					
Ma ize	Su mm er	Irrigated Medium land	Sa ndy loa m	5. 6 T o 6. 3	Lo w (19 1.4 to 20 9.7	Lo w (8. 2 to 8.9)	Me diu m (2 07. 2 to 23 6.1)	Ric e	January III Week	April IV W ee k	Nil	

Cereals:

		Technol		No.		Dist.		Yield Cobs/ha		Yield of	Inc rea se	Data on param relation to tech demonstrat		technology
	y r o p	Demonst	Vari ety	of Far mers	Area (ha.)	Produ ctivity	Н	L	A	local Check Qtl./h a	Check yie Yield Otl./h ld	Demo	Local	
]	1 2		4	5	6		7	8	9	10	11		12	13
1	Mai zz e e		P- 30R7 7	5	1	26.35 Q/ Ha	10600 0 (43.2 Q/Ha)	9800 0 (38.4 Q/Ha)	10 20 00 no .c ob /h a (4 0. 8 Q/ H a)	72000 (25.2 Q/Ha)	41. 6	30000 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

	ECONC	mic impact	OI FLD						
Average cost cultivation(Rs	t of /Ha	Average gross return(Rs/Ha)		Average return/profit	Average net return/profit(Rs/Ha)		BC Ratio (GR/GC)		Addition al Return (Rs)
Demonstratio n	Local Chec k	Demonstr ation	Loca 1 Che ck	Demonstrati on	Local Check	Demonstratio n	Loca l Check		
22700	1950 0	51000	3600 0	28300	16500	2.24	1.80	3200	11800

Technical Feed Back on demonstrated Technology

the farmers appreciated the performance of the
nonstration and ready to adopt the components. The net arn was increased due to use of hybrid seed. availability of seed of the variety and irrigation is a or problem.

Farmer's reaction on specific technology

SI No.	Feedback
1	Appreciated the performance of the variety, availability of seed and irrigation are the major problem

Sl No	Сгор	thematic area	Technology Demonstrated	Season and year	Area (ha)		farmer	No of farmers/Demonstration		Reason for shortfall in achieve nment
					propose d	actual	sc/st	other	total	
2	Paddy	Cultiva tion of HYV of Paddy	Use of HYV- Pratikshya	Kharif, 2009	1	1	5	-	5	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated	Soil type	РН	Status of soil			Prev ious crop	Sowing date	Harvest date	Seaso nal rainfa ll (mm)	No. of rain y days
					N	Р	К					
Paddy	Kharif	Irrigated Medium land	Sandy loam	5.6 To 6.3	Low (191.4 to 209.7)	Low (8.2 to 8.9)	Mediu m (207.2 to 236.1)	Ric e	February II&III week	April I&II Week	Nil	

Performance of FLD

S	C	Technolo		No.		Dist.	Demo. Yield No. of Cobs/ha						rea relation to techno yield se Addi.			technology
· N o	r o p	gy Demonstr ated	Varie ty	of Farm ers	Area (ha.)	Product ivity	Н	H L		of local Check Qtl./ha	in yiel d (%	Yield Qtl/ha	Demo	Local		
1	2	3	4	5	6		7	8	9	10	11		12	13		

2	P a d d y	Use of HYV- Pratikshy a	HYV - Prati kshy a	5	1	25.55 Q/ Ha	53.8	48.7	4 9. 6	41.9	18. 37	7.7	No of tillers/Squar e meter-9 Number of grains Panicle-203	No of tillers/Squar e meter-5 Number of grains Panicle-156
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Economic impact of FLD

		mo impaot	• • • = =						
Average cost of cultivation(Rs/		Average gross return(Rs/Ha)		Average return/pro Ha)	net fit(Rs/	BC Ratio (GR/GC)		Additi onal Cost (Rs)	Additio nal Return (Rs)
Demonstra tion	Loca I Che ck	Demon Loc stration al Che ck		Demonstr Local Check		Demonstrat ion	Loc al Check	-	
24,000	23,00 0	48,608	41,0 62	24,608	18,062	2.02	1.78	1000	6546

Technical Feed Back on demonstrated Technology

SI No.	Feed Back							
1.	All the farmers appreciated the performance of the demonstration and ready to adopt the components. The net return was increased due Pratikshya variety.							
The irrigation is a major problem								

Farmer's reaction on specific technology

i di ilioi e redetion en epecine tecin	
SI No.	Feedback
1.	Appreciated the performance of the variety, availability of seed and irrigation are the major
	problem

Horticultural crops

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area	ı (ha)	N ₀	Reas ons for shor tfall		
					Propos ed	Actual	SC/S T	Others	Tot al	
1	Cow pea	Seed treatment with biofertilizr	Seed treatment with Rhizobium and PSB	Summer ,09	1.0	1.0	4	0	4	
2	Pum pkin	Cultivation of HYV of Pumpkin	Improved Gu amal variety	Summer ,09	1.0	1.0	4	0	4	

Farming Situation

Стор	Sea son	Farm ing situat ion (RF/I rrigat ed)	Soil typ e	РН	St	Status of soil		Pre vio us cro p	Sowing date	Harvest date	Seas onal rainf all (mm)	No. of rainy days
					N	Р	K					
Cow pea	Summ er	Cana I Irriga ted	Sa nd y loa m	5.7 to 6.4	Low 148.3 To 213.1	Medium 12.3 To 16.1	Medium 287.4 To 321.7	Ric e	February II&III Week	April I &II Week	-	-
Pum pkin	Summ er	Cana I Irriga ted	Sa nd y loa m	5.4 to 6.2	Low 159.1 To 207.4	Medium 13.2 To 15.3	Medium 309.6 To 336.9	Ric e	February I Week	April I &II Week	-	-

Performance of FLD

Sl. No	Cro p	Technology Demonstrate d	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Demonstrate	Variet y	No. of Farm	Are a	Dist Pro	Demo	. Yield Qt	tl/ha	Yield of local Chec	Incr ease in yiel	Addi. Yield	Data on par relation to t demons	echnology
	r	d	J	ers	(ha.	duc tivit y	Н	L	A	k Qtl./h a	d (%)		Demo	Local									
1	2	3	4	5	6		7	8	9	10	11		12	13									
	Co wp ea	Seed treatment with Rhizobium and PSB	Utkal Mani ka	4	1.0	32. 5	59.2	54.6	57.4	48	19. 5	9.4	No Fruits /plant = 28.4 Length of pod- 16 cm.	No Fruit /plant = 17.2 Length of pod- 12.8 cm.									
	Pu mp kin	Improved Gu amal variety	Gua mal	4	1.0	-	216.8	209.7	212.7	178. 5	24.	34.2	No Fruits /plant = 2.2 Av. Fruit wt. =2.7 Kg	No Fruit /plant = 1.6 Av. Fruit wt. =2.1 Kg									

Average cultivati a)	cost of on(Rs/H	Average gross return(Rs/Ha)		Average net return/profit(Rs/H a)		BC Ratio (GR/GC)		Add. Cost (Rs.)	Add. Return(Rs.)
Demo.	Local Check	Demo.	Local Check	Demo.	Local Check	Demo.	Loca I Check		
24700	23600	45920	38400	21220	14800	1.85	1.62	1100	6420
25500	20000	72000	57000	46500	37000	2.82	2.85	5500	9500

Technical Feed Back on demonstrated Technology

160111	ilcai i eeu back on demonstrateu recimology
SI No.	Feed Back
1.	All the farmers appreciated the performance of the demonstration and ready to adopt the components. The net return was increased due to improved variety and RDF

	The irrigation is a major problem.
2.	All the farmers appreciated the performance of the demonstration and ready to adopt the components. The net return
	was increased due to seed treatment.
	The availability of seed of the variety and irrigation is a major problem.

Farmer's reaction on specific technology

SI No.	Feedback
1	Appreciated the performance of the demonstration, availability of seed and irrigation are the
	major problem
2	Appreciated the performance of the demonstration, irrigation in time is the major problem

Enterprises

Sl. No	Crop/ Enterp rise	Thematic area	Technology Demonstrated	Season and year	No. of	Units	No De		Reas ons for shor tfall	
					Propos ed	Actual	SC/S T	Others	Tot al	
1	Vermicom posting	Income generating enterprises	Vermiworms-Eudrillus eugenae Cemented Pit (10'x3'x2')	Summer, 2010	3	3	3	0	3	
2	Storage Bin	Income generating enterprises	One quintal capacity container made of tin	Summer, 2010	3	3	3	0	3	

Farming Situation

Crop /Ent erpri se	Sea son	Farm ing situat ion (RF/I rrigat ed)	Soil typ e	РН	Status of soil		il	Pre vio us cro p		Harvest date	Seas onal rainf all (mm)	No. of rainy days
Vermico mposting		-	-	-	N	Р	K	-	March IV Week	June IV Week	-	-
Storage Bin	Summer , 2010	-	-	-	-	-	-	-	March IV Week	June IV Week	-	-

Performance of FLD

Sl. No	Crop/ Enter prise	Technology Demonstrated	Variet y	No. of Farme rs	No. of Units	Dist. Pro	Demo. Yield Qtl/ha			Yield of local Check	Incr ease in yield	ease in yield Addi. Yield	Data on parameter in relation to technology demonstrated	
						ivity	Н	L	A	Qtl./ha	(%)		Demo	Local
1	2	3	4	5	6		7	8	9	10	11		12	13
1	Vermico mposting	O .	Vermiw orms- Eudrillu s eugenae	3	3 (10'x3'x 2')	-	Continuin g							
2	Storage Bin	One quintal capacity container made of tin	-	3	3	-	Continuin g							

Average cost of cultivation(Rs/H a)		Average gross return(Rs/Ha)			Average net return/profit(Rs/H a))	Add. Cost (Rs.)	Add. Return(Rs.)	
Demo.	Local Check	Demo.	Local Check	Demo.	Local Check	Demo.	Loca I Check			
Contin uing										
Contin uing										

Technical Feed Back on demonstrated Technology

SI No.	Feed Back
1	Continuing
2	Continuing

Farmer's reaction on specific technology

SI No.	Feedback
1	Continuing
2	Continuing

Special FLD

S l. N o .	Crop	thematic area	Technology Demonstrated	Season and year	Area	. ,	farmer	Reason for shortfall in achieve nment		
					proposed	actual	sc/st	other	total	
	Gree	Improved	Use of HYV -PDM-	Late Rabi	5	5	8	2	10	-
	nGra	method of	11,seed treatment							
	m	Green	with Captan,							
		Gram	Rhizobium plant							
		Cultivatio	protection measures							
		n	against sucking pests							

Details of farming situation

C ro p	Se as on	Farming situation (RF/Irrigate d)	Soil type	РН	Sta	Status of soil		Prev ious crop	Sowing date	Harves t date	Seaso nal rainf all (mm)	No. of rainy days
					N	Р	K					
Gr ee n Gr am	Late Rabi	Irrigated Medium land	San dy loa m	5. 6 T o 6. 3	Lo w (19 1.4 to 209 .7)	Lo w (8. 2 to 8.9	Me diu m (20 7.2 to 236 .1)	Ric e	10.01. 2010 onwar ds	17.03. 10 onwar ds	Nil	

Performance of FLD

S	C	Technol	Vori	No.	Aron	Dist.	Demo. Yield No.	Yield	Inc	Addi.	Data on parameter in
1	r	ogy	Vari	of	Area (ha.)	Produ	0010	of	rea	Yield	relation to technology
	0	Demonst	ety	Far	(IIa.)	ctivity	of Cobs/ha	local	se	Qtl/h	demonstrated

ľ	1	p	rated		mers						Check	in	a.		
O)							Н	L	A	Qtl./h a	yie ld		Demo	Local
												(%)			
1	L	2	3	4	5	6		7	8	9	10	11		12	13
1	1	GreenGram	Use of HYV - PDM-11,seed treatme nt with Captan, Rhizobi um plant protecti on measure s against sucking pests	HYV- PDM- 11	10	5	3.82Q/ Ha	8.5	6.5	7. 3 2	3.62	10 2.2	3.5	Yield/ha=7 .32qt No of pods/plant =72	Yield/ha=3 .62 No of pods/plant =34

Economic impact of FLD

ost	•	gross	Average	not	DC Datio		A al al :4:	A -1 -1:4: -
s/	Average gross return(Rs/Ha)		Average net return/profit(Rs/		BC Ratio (GR/GC)		Additi onal Cost (Rs)	Additio nal Return (Rs)
Loca I	Demon stration	Loc al	Demonstr ation	Local Check	Demonstrat	Loc		
Che		Che			ion	al		
ck		ck				Check		
9,00 0	36,600	18,10 0	24,600	9,000	1:3.05	1:2.01	3000	15600
[(Loca Che ck 9,00	Loca Demon stration Che ck 9,00 36,600	Loca Demon Loc stration al Che ck ck 9,00 36,600 18,10	Loca Demon Loc Demonstr ation Che ck Che ck P9,00 36,600 18,10 24,600	Ha Loca Demon Loc Demonstr Local Check Che ck 29,00 36,600 18,10 24,600 9,000	Ha Loca Demon Loc Demonstr Local Check Check Ck 29,00 36,600 18,10 24,600 9,000 1:3.05	Ha Loca Demon Loc Demonstr Loca Check Check	Ha Cost (Rs) Cost (Rs)

Technical Feed Back on demonstrated Technology

Toomingar rood Bask on asmonetrated r	oo:iiioiogy
SI No.	Feed Back
1.	All the farmers appreciated the performance of the
	demonstration and ready to adopt the components. The net return was increased due to the variety.

Farmer's reaction on specific technology

I armer's reaction on specific technology	
SI No.	Feedback
	Appreciated the performance of the variety, availability of seed and irrigation in time are the
	major problem.

S 1. N o .	Cro p	thematic area	Technology Demonstrated	Season and year	Area (ha)		farmers		Reason for shortfa Il in achieve nment	
					propose d	actual	sc/st	other	total	
2	G ro u n d n ut	INM in Ground nut	Application of (Rizobium, Azospirilum, PSB, Zypsum, Boron)	Summer	5	5	8	2	10	-

Details of farming situation

C ro p	Se as on	Farming situation (RF/Irrigate d)	Soil type	РН	Status of soil		oil	Prev ious crop	Sowing date	Harves t date	Seaso nal rainf all (mm)	No. of rainy days
					N	Р	K					
Gr ou nd nut	Sum mer	Irrigated Medium land	San dy loa m	5. 6 T o 6. 3	Lo w (19 1.4 to 209 .7)	Lo w (8. 2 to 8.9	Me diu m (20 7.2 to 236 .1)	Ric e			Nil	

Performance of FLD

S	C	Technol		No.		Dist.	Demo. Yield No. of Cobs/ha		Yield of	Inc rea se	Addi.	Data on parameter in relation to technology demonstrated		
N O	r o p	ogy Demonst rated	Vari ety	of Far mers	Area (ha.)	Produ ctivity	Н	L	A	local Check Qtl./h a	in yie ld (%	Yield Qtl/h a.	Demo	Local
1	2	3	4	5	6		7	8	9	10	11		12	13
2	G r o u n d n u t	Applicat ion of (Rizobiu m, Azospiril um, PSB, Zypsum, Boron)		10	5	20.50	25.6 9	22.1	2 4. 3 9	17.76	37. 33	6.63	Yield/ha=2 4.39 No of pods/plant =	Yield/ha=1 7.76 No of pods/plant =

Economic impact of FLD

	LCOIIC	mile impact	OLLED						
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 I Che ck	Demon stration	Loc al Che ck	Demonstr ation	Local Check	Demonstrat ion	Loc al Check		
17,200	15,5 00	48,780	35,52 0	31580	20020	2.8	2.2	1700	11560

Technical Feed Back on demonstrated Technology

	3)
SI No.	Feed Back
1.	All the farmers appreciated the performance of the
	demonstration and ready to adopt the components. The net
	return was increased due to the intervention

Farmer's reaction on specific technology

Farmer's reaction on specific technology	
SI No.	Feedback
1	Appreciated the performance of the variety, availability of seed and irrigation in time are the
	major problem.

TRAINING PROGRAMMES

Details of Training programmes conducted by the KVKs

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e		Courses	Courses	n	SC		ST		Oth	ers
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1	11	12	1	1
									0			3	4
KVK Malkangi	FW	ONC	CRP	Weed								_	
ri				Management									
KVK	FW	ONC	CRP	Resource									
Malkangi				Conservation									
ri				Technologies									
KVK	FW	ONC	CRP	Cropping									
Malkangi ri				Systems							_	_	
	FW	ONC	CRP	Crop									
KVK				Diversificati									
Malkangi ri				on									
11													
KVK	FW	ONC	CRP	Integrated									
Malkangi				Farming									
ri KVK	FW	ONC	CRP	Water									
Malkangi	1. 44	ONC	CKF	management									
ri													
KVK	FW	ONC	CRP	Seed									
Malkangi ri				production									
KVK	FW	ONC	CRP	Nursery									
Malkangi	- ''	0110	0111	management									
ri													
KVK	FW	ONC	CRP	Integrated									
Malkangi ri				Crop									
11	FW	ONC	CRP	Management Fodder									
KVK	1. 44	ONC	CKI	production									
Malkangi				production									
ri													
KVK	FW	ONC	CRP	Production									
Malkangi		51.0		of organic									
ri				inputs									
KVK	FW	ONC	НО	Production									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio		ticipa				
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	-	ST	-	Oth	
	•				d)	d)		M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri			V	of low volume and high value crops									
KVK Malkangi ri	FW	ONC	HO V	Off-season vegetables	1	1	2	6		14	1	1	1
KVK Malkangi ri	FW	ONC	HO V	Nursery raising									
KVK Malkangi ri	FW	ONC	HO V	Exotic vegetables like Broccoli									
KVK Malkangi ri	FW	ONC	HO V	Export potential vegetables									
KVK Malkangi ri	FW	ONC	HO V	Grading and standardizati on									
KVK Malkangi ri	FW	ONC	HO V	Protective cultivation (Green Houses, Shade Net etc.)									
KVK Malkangi ri	FW	ONC	HOF	Training and Pruning									
KVK Malkangi ri	FW	ONC	HOF	Layout and Management of Orchards									
KVK Malkangi ri	FW	ONC	HOF	Cultivation of Fruit					_				
KVK Malkangi ri	FW	ONC	HOF	Management of young plants/orchar ds									
KVK Malkangi ri	FW	ONC	HOF	Rejuvenation of old orchards									
KVK Malkangi ri	FW	ONC	HOF	Export potential fruits									
KVK Malkangi ri	FW	ONC	HOF	Micro irrigation systems of orchards									
KVK	FW	ONC	HOF	Plant									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	ticipa	nts			
KVK	- corv	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	1	ST	1	Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri				propagation techniques									
KVK Malkangi ri	FW	ONC	НО О	Nursery Management					_	_	_		
KVK Malkangi ri	FW	ONC	НО	Management of potted plants					_				
KVK Malkangi ri	FW	ONC	НОО	Export potential of ornamental plants									
KVK Malkangi ri	FW	ONC	НО	Propagation techniques of Ornamental Plants									
KVK Malkangi ri	FW	ONC	НОР	Production and Management technology									
KVK Malkangi ri	FW	ONC	НОР	Processing and value addition									
KVK Malkangi ri	FW	ONC	HO T	Production and Management technology					_				
KVK Malkangi ri	FW	ONC	HO T	Processing and value addition									
KVK Malkangi ri	FW	ONC	HOS	Production and Management technology									
KVK Malkangi ri	FW	ONC	HOS	Processing and value addition					_				
KVK Malkangi ri	FW	ONC	HO M	Nursery management									
KVK Malkangi ri	FW	ONC	HO M	Production and management technology									
KVK Malkangi ri	FW	ONC	HO M	Post harvest technology and value addition									
	FW	ONC	SFM	Soil fertility									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e code		Courses	Courses (Achieve	n (Davis)	SC		ST		Oth	_
	gory	Type	code		(Targete d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri				management									
KVK Malkangi ri	FW	ONC	SFM	Soil and Water Conservation									
KVK Malkangi ri	FW	ONC	SFM	Integrated Nutrient Management									
KVK Malkangi ri	FW	ONC	SFM	Production and use of organic inputs									
KVK Malkangi ri	FW	ONC	SFM	Management of Problematic soils									
KVK Malkangi ri	FW	ONC	SFM	Micro nutrient deficiency in crops					_	_	_	_	
KVK Malkangi ri	FW	ONC	SFM	Nutrient Use Efficiency									
KVK Malkangi ri	FW	ONC	SFM	Soil and Water Testing									
KVK Malkangi ri	FW	ONC	LP M	Dairy Management									
KVK Malkangi ri	FW	ONC	LP M	Poultry Management									
KVK Malkangi ri	FW	ONC	LP M	Piggery Management									
KVK Malkangi ri	FW	ONC	LP M	Rabbit Management									
KVK Malkangi ri	FW	ONC	LP M	Disease Management									
KVK Malkangi ri	FW	ONC	LP M	Feed management									
KVK Malkangi ri	FW	ONC	LP M	Production of quality animal products									
	FW	ONC	WO	Household									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	ticipa	nts			
KVK	- corv	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri			Е	food security by kitchen gardening and nutrition									
KVK Malkangi ri	FW	ONC	WO E	Design and development of low/minimu m cost diet									
KVK Malkangi ri	FW	ONC	WO E	Designing and development for high nutrient efficiency diet									
KVK Malkangi ri	FW	ONC	WO E	Minimizatio n of nutrient loss in processing									
KVK Malkangi ri	FW	ONC	WO E	Gender mainstreami ng through SHGs									
KVK Malkangi ri	FW	ONC	WO E	Storage loss minimization techniques									
	FW	ONC	WO E	Value addition									
	FW	ONC	WO E	Income generation activities for empowerme nt of rural Women					_			_	
KVK Malkangi ri	FW	ONC	WO E	Location specific drudgery reduction technologies									
KVK Malkangi ri	FW	ONC	WO E	Rural Crafts									
KVK Malkangi ri	FW	ONC	WO E	Women and child care									
KVK Malkangi ri	FW	ONC	AE G	Installation and maintenance of micro									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	_	ST		Oth	
	•				d)	d)		M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
				irrigation systems									
KVK Malkangi ri	FW	ONC	AE G	Use of Plastics in farming practices					_	_	_		
KVK Malkangi ri	FW	ONC	AE G	Production of small tools and implements									
KVK Malkangi ri	FW	ONC	AE G	Repair and maintenance of farm machinery and implements									
KVK Malkangi ri	FW	ONC	AE G	Small scale processing and value addition									
KVK Malkangi ri	FW	ONC	AE G	Post Harvest Technology									
KVK Malkangi ri	FW	ONC	PLP	Integrated Pest Management	1	1	2	1 2	-	13	-	-	-
KVK Malkangi ri	FW	ONC	PLP	Integrated Disease Management									
KVK Malkangi ri	FW	ONC	PLP	Bio-control of pests and diseases									
KVK Malkangi ri		ONC	PLP	Production of bio control agents and bio pesticides									
KVK Malkangi ri	FW	ONC	FIS	Integrated fish farming									
KVK Malkangi ri	FW	ONC	FIS	Carp breeding and hatchery management									
KVK Malkangi ri	FW	ONC	FIS	Carp fry and fingerling rearing									
KVK	FW	ONC	FIS	Composite									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	gory	Турс			d)	d)		M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri				fish culture									
KVK Malkangi ri	FW	ONC	FIS	Hatchery management and culture of freshwater prawn					_		_	_	
KVK Malkangi ri	FW	ONC	FIS	Breeding and culture of ornamental fishes									
KVK Malkangi ri	FW	ONC	FIS	Portable plastic carp hatchery									
KVK Malkangi ri	FW	ONC	FIS	Pen culture of fish and prawn									
KVK Malkangi ri	FW	ONC	FIS	Shrimp farming					_		_	_	
KVK Malkangi ri	FW	ONC	FIS	Edible oyster farming					_		_	_	
KVK Malkangi ri	FW	ONC	FIS	Pearl culture								_	
KVK Malkangi ri	FW	ONC	FIS	Fish processing and value addition									
KVK Malkangi ri	FW	ONC	PIS	Seed Production									
KVK Malkangi ri	FW	ONC	PIS	Planting material production									
KVK Malkangi ri	FW	ONC	PIS	Bio-agents production									
KVK Malkangi ri	FW	ONC	PIS	Bio- pesticides production									
KVK Malkangi ri	FW	ONC	PIS	Bio-fertilizer production									
KVK Malkangi ri	FW	ONC	PIS	Vermi- compost production									
KVK Malkangi ri	FW	ONC	PIS	Organic manures production									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio		ticipa				
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	_	ST		Oth	
					d)	d)		M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK	FW	ONC	PIS	Production					U			3	4
Malkangi				of fry and									
ri	T33.7	ONG	DIC	fingerlings									
KVK	FW	ONC	PIS	Production of Bee-					_			_	
Malkangi				colonies and									
ri				wax sheets									
KVK	FW	ONC	PIS	Small tools									
Malkangi				and									
ri	FW	ONC	PIS	implements Production									
KVK	1 **	ONC	115	of livestock									
Malkangi ri				feed and									
KVK	FW	ONC	PIS	fodder Production									
Malkangi	ΓW	ONC	PIS	of Fish feed									
ri		ONG	CD										
KVK Malkangi	FW	ONC	CB D	Leadership development					_	—		_	
ri													
KVK Malkangi	FW	ONC	CB D	Group dynamics					_	—		_	
ri													
KVK	FW	ONC	CB D	Formation									
Malkangi			ען	and Management									
ri				of SHGs									
KVK	FW	ONC	СВ	Mobilization									
Malkangi			D	of social									
ri	FW	ONC	СВ	capital Entrepreneur									
	ΓW	ONC	D	ial									
KVK Malkangi				development									
ri				of									
				farmers/yout hs									
KVK	FW	ONC	СВ	WTO and									
Malkangi ri			D	IPR issues									
KVK	FW	ONC	AGF	Production									
Malkangi ri				technologies									
KVK	FW	ONC	AGF	Nursery									
Malkangi				management									
ri KVK	FW	ONC	AGF	Integrated									
Malkangi				Farming									
ri	FW	ONC	OT	Systems (Lice									
KVK Malkangi	ΓW	ONC	OT H	Others (Use of improved									
ri				implement)									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri	FW	ONC	OT H	Others (Please specify)									
KVK Malkangi ri	RY	ONC	RY H	Mushroom Production									
KVK Malkangi ri	RY	ONC	RY H	Bee-keeping									
KVK Malkangi ri	RY	ONC	RY H	Integrated farming									
KVK Malkangi ri	RY	ONC	RY H	Seed production	1	1	3	3	-	7	-	1	-
KVK Malkangi ri	RY	ONC	RY H	Production of organic inputs									
KVK Malkangi ri	RY	ONC	RY H	Integrated Farming									
KVK Malkangi ri	RY	ONC	RY H	Planting material production									
KVK Malkangi ri	RY	ONC	RY H	Vermi- culture									
KVK Malkangi ri	RY	ONC	RY H	Sericulture									
KVK Malkangi ri	RY	ONC	RY H	Protected cultivation of vegetable crops	1	1	3	-	-	10	-	-	1
KVK Malkangi ri	RY	ONC	RY H	Commercial fruit production									
KVK Malkangi ri	RY	ONC	RY H	Repair and maintenance of farm machinery and implements									
KVK Malkangi ri	RY	ONC	RY H	Nursery Management of Horticulture crops									
KVK	RY	ONC	RY	Training and									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri			Н	pruning of orchards									
KVK Malkangi ri	RY	ONC	RY H	Value addition	1	1	7	_	4	-	6	-	
KVK Malkangi ri	RY	ONC	RY H	Production of quality animal products									
KVK Malkangi ri	RY	ONC	RY H	Dairying									
KVK Malkangi ri	RY	ONC	RY H	Sheep and goat rearing									
KVK Malkangi ri	RY	ONC	RY H	Quail farming									
KVK Malkangi ri	RY	ONC	RY H	Piggery									
KVK Malkangi ri	RY	ONC	RY H	Rabbit farming									
KVK Malkangi ri	RY	ONC	RY H	Poultry production									
KVK Malkangi ri	RY	ONC	RY H	Ornamental fisheries									
KVK Malkangi ri	RY	ONC	RY H	Para vets									
KVK Malkangi ri	RY	ONC	RY H	Para extension workers									
KVK Malkangi ri	RY	ONC	RY H	Composite fish culture									
KVK Malkangi ri	RY	ONC	RY H	Freshwater prawn culture									
KVK Malkangi ri	RY	ONC	RY H	Shrimp farming									
KVK Malkangi ri	RY	ONC	RY H	Pearl culture									
KVK	RY	ONC	RY H	Cold water fisheries									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e		Courses	Courses	n	SC		ST		Oth	ers
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1	11	12	1	1
37.11									0			3	4
Malkangi ri													
11													
KVK		ONC	RY	Fish harvest									
Malkangi	RY		Н	and									
ri				processing									
173.117		ONC	RY	technology Fry and									
KVK Malkangi	RY	ONC	H	fingerling									
ri	1(1		11	rearing									
KVK		ONC	RY	Small scale									
Malkangi	RY		Н	processing									
ri KVK		ONC	RY	Post Harvest									
Malkangi	RY	ONC	H	Technology									
ri													
KVK	DV	ONC	RY	Tailoring									
Malkangi ri	RY		Н	and Stitching									
11		ONC	RY	Rural Crafts									
KVK			Н										
Malkangi	RY												
ri													
KVK		ONC	RY	Others									
Malkangi	RY		Н	(Irrigation									
ri				System)									
KVK		ONC	RY	Others									
Malkangi ri	RY		Н	(Flower									
		ONC	RY	Production) Others									
KVK Malkangi	RY	ONC	H	(Please									
ri	1(1		11	specify)									
KVK		ONC	EXP	Productivity									
Malkangi	IS			enhancement									
ri				in field crops									
KVK	TC	ONC	EXP	Integrated	1	1		2	1				
Malkangi ri	IS			Pest Management	1	1	2	3	1	6	-	_	
KVK		ONC	EXP	Integrated									
Malkangi	IS	Orte	L/XI	Nutrient									
ri				management									
KVK		ONC	EXP	Rejuvenation									
Malkangi	IS			of old									
ri		ONG	EVD	orchards Protected									
KVK Malkangi	IS	ONC	EXP	Protected cultivation									
ri	1.5			technology									
		ONC	EXP	Formation				3	2	5		1	-
KVK	IS			and	1	1	2						
Malkangi	13			Management	1	1	2						
ri				of SHGs									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	,				d)	d)	` •	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1	11	12	1 3	1
									0			3	4
173.117		ONC	EXP	Group									
KVK Malkangi	IS			Dynamics									
ri				and farmers organization									
		ONC	EXP	Information									
KVK Malkangi	IS	0110	2.22	networking									
ri	13			among									
		ONC	EXP	farmers									
KVK		ONC	EAP	Capacity building for									
Malkangi ri	IS			ICT									
11				application									
		ONC	EXP	Care and									
KVK				maintenance of farm									
Malkangi	IS			machinery									
ri				and									
177.777		ONG	EMD	implements									
KVK Malkangi	IS	ONC	EXP	WTO and IPR issues					_			_	
ri													
KVK		ONC	EXP	Management in farm									
Malkangi	IS			animals									
ri				 5									
		ONC	EXP	Livestock									
KVK Malkangi	IS			feed and									
ri	15			fodder									
KVK		ONC	EXP	production Household									
Malkangi	IS	One	D/ II	food security					_		_	_	
ri KVK		ONC	EXP	Women and									
Malkangi	IS	ONC	EAF	Child care					_			_	
ri		ONG	DAD										
KVK		ONC	EXP	Low cost and nutrient									
Malkangi	IS			efficient diet									
ri				designing									
KVK		ONC	EXP	Production									
Malkangi	IS			and use of organic									
ri				inputs									
KVK		ONC	EXP	Gender									
Malkangi	IS			mainstreami									
ri				ng through SHGs									
KVK		ONC	EXP	Others									
Malkangi	IS			(Water									
ri													

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e		Courses	Courses	n (Darra)	SC		ST		Oth	iers
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
				Conservation)									
KVK Malkangi ri	IS	ONC	EXP	Others (Flower production)									
KVK Malkangi ri	IS	ONC	EXP	Organic Farming	1	1	2	5	-	4	-	6	-
KVK Malkangi ri	IS	ONC	EXP	Others (Please specify)									
KVK Malkangi ri	FW	OFC	CRP	Weed Management	1	1	2	-	-	15	10	-	-
KVK Malkangi ri	FW	OFC	CRP	Resource Conservation Technologies									
KVK Malkangi ri	FW	OFC	CRP	Cropping Systems									
KVK Malkangi ri	FW	OFC	CRP	Crop Diversificati on					_			_	
KVK Malkangi ri	FW	OFC	CRP	Integrated Farming									
KVK Malkangi ri	FW	OFC	CRP	Water management									
KVK Malkangi ri	FW	OFC	CRP	Seed production									
KVK Malkangi ri	FW	OFC	CRP	Nursery management									
KVK Malkangi ri	FW	OFC	CRP	Integrated Crop Management									
KVK Malkangi ri	FW	OFC	CRP	Fodder production									
KVK Malkangi ri	FW	OFC	CRP	Production of organic inputs									
KVK Malkangi ri	FW	OFC	HO V	Production of low volume and high value crops									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e		Courses	Courses	n	SC		ST		Oth	ers
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1	11	12	1	1
									0			3	4
KVK	FW	OFC	НО	Off-season									
Malkangi			V	vegetables									
ri													
777.777	T. T. T.	OFG	110	3.7									
KVK Malkangi	FW	OFC	HO V	Nursery raising									
ri			V	Taising									
KVK	FW	OFC	НО	Exotic									
Malkangi			V	vegetables									
ri	EXX	OEC	110	like Broccoli									
KVK Malkangi	FW	OFC	HO V	Export potential									
ri			V	vegetables									
KVK	FW	OFC	НО	Grading and									
Malkangi			V	standardizati									
ri				on									
	FW	OFC	НО	Protective									
KVK			V	cultivation (Green									
Malkangi				Houses,									
ri				Shade Net									
				etc.)									
	FW	OFC	HOF	Training and									
KVK Malkangi				Pruning									
ri													
KVK	FW	OFC	HOF	Layout and									
Malkangi ri				Management of Orchards									
KVK	FW	OFC	HOF	Cultivation									
Malkangi	1 ***	OI C	1101	of Fruit									
ri													
KVK	FW	OFC	HOF	Management									
Malkangi				of young plants/orchar									
ri				ds									
KVK	FW	OFC	HOF	Rejuvenation									
Malkangi				of old									
ri			***	orchards									
KVK	FW	OFC	HOF	Export									
Malkangi ri				potential fruits									
	FW	OFC	HOF	Micro									
KVK				irrigation									
Malkangi ri				systems of									
				orchards									
KVK	FW	OFC	HOF	Plant									
Malkangi ri				propagation									
11				techniques									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio		ticipa				
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	_	ST	-	Oth	
				_	d)	d)	. •	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi	FW	OFC	НО	Nursery									
ri			О	Management									
KVK Malkangi ri	FW	OFC	НО	Management of potted plants									
KVK Malkangi ri	FW	OFC	О	Export potential of ornamental plants									
KVK Malkangi ri	FW	OFC	НО	Propagation techniques of Ornamental Plants									
KVK Malkangi ri	FW	OFC	НОР	Production and Management technology									
KVK Malkangi ri	FW	OFC	НОР	Processing and value addition									
KVK Malkangi ri	FW	OFC	HO T	Production and Management technology									
KVK Malkangi ri	FW	OFC	HO T	Processing and value addition									
KVK Malkangi ri	FW	OFC	HOS	Production and Management technology	1	1	1	-	-	20	_	-	-
KVK Malkangi ri	FW	OFC	HOS	Processing and value addition									
KVK Malkangi ri	FW	OFC	HO M	Nursery management	1	1	2	-	-	23	17	-	-
KVK Malkangi ri	FW	OFC	HO M	Production and management technology									
KVK Malkangi ri	FW	OFC	HO M	Post harvest technology and value addition						_	_		
KVK Malkangi	FW	OFC	SFM	Soil fertility management							_		

Courses (Courses (Achieve d)	F 12	Oth M	F 1 4
1 2 3 4 5 6 7 8 9 1 11 ri KVK Malkangi ri FW OFC SFM Soil and Water Conservation Water Conservation Integrated Nutrient Management		1	1
ri KVK Malkangi ri FW OFC SFM Soil and Water Conservation KVK Malkangi ri FW OFC SFM Integrated Nutrient Management			
KVK Malkangi ri FW OFC SFM Soil and Water Conservation KVK Malkangi ri FW OFC SFM Integrated Nutrient Management		_	
Malkangi ri Water Conservation FW OFC SFM Integrated Nutrient Management			
ri Conservation KVK Malkangi ri Conservation Conservation Integrated Nutrient Management			
KVK Malkangi ri Nutrient Management			
Malkangi ri Management			
ri e e e e e e e e e e e e e e e e e e e			
FW OFG SEM D. L.			
FW OFC SFM Production			
KVK Malkangi			
ri organic inputs			
FW OFC SFM Management			
Malkangi OI Problematic			
ri			
KVK FW OFC SFM Micro		_	
Malkangi deficiency in			
crops			
KVK FW OFC SFM Nutrient Use Efficiency			
ri			
KVK FW OFC SFM Soil and Water			
ri Testing			
FW OFC LP Dairy M Management			
Malkangi			
ri e e e e e e e e e e e e e e e e e e e			
KVK FW OFC LP Poultry			
Malkangi ri M Management			
KVK FW OFC LP Piggery Malkangi M Management			
ri e e e e e e e e e e e e e e e e e e e			
KVK FW OFC LP Rabbit Malkangi M Management			
ri			
KVK FW OFC LP Disease Malkangi Management		_	
ri			
KVK FW OFC LP Feed management			
ri			
FW OFC WO Household E food security			
kVK by kitchen 1 1 1 20	20		
gardening and nutrition	20		
gardening			

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio		ticipa				
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	_	ST		Oth	
					d)	d)	. •	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri	FW	OFC	WO E	Design and development of low/minimu m cost diet					U			3	
KVK Malkangi ri	FW	OFC	WO E	Designing and development for high nutrient efficiency diet					_	_	_		
KVK Malkangi ri	FW	OFC	WO E	Minimizatio n of nutrient loss in processing									
KVK Malkangi ri	FW	OFC	WO E	Gender mainstreami ng through SHGs									
KVK Malkangi ri	FW	OFC	WO E	Storage loss minimization techniques									
KVK Malkangi ri	FW	OFC	WO E	Value addition	2	2	4	-	5 0	-	-	-	-
KVK Malkangi ri	FW	OFC	WO E	Income generation activities for empowerme nt of rural Women	1	1	2	-	2 5	-	-	1	-
KVK Malkangi ri	FW	OFC	WO E	Location specific drudgery reduction technologies									
KVK Malkangi ri	FW	OFC	WO E	Rural Crafts									
KVK Malkangi ri	FW	OFC	WO E	Women and child care									
KVK Malkangi ri	FW	OFC	AE G	Installation and maintenance of micro irrigation systems					_	_	_		

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri	FW	OFC	AE G	Use of Plastics in farming practices									
KVK Malkangi ri	FW	OFC	AE G	Production of small tools and implements									
KVK Malkangi ri	FW	OFC	AE G	Repair and maintenance of farm machinery and implements									
KVK Malkangi ri	FW	OFC	AE G	Small scale processing and value addition									
KVK Malkangi ri	FW	OFC	AE G	Post Harvest Technology									
KVK Malkangi ri	FW	OFC	PLP	Integrated Pest Management	1	1	2	_	_	1 5	1 0	1	1
KVK Malkangi ri	FW	OFC	PLP	Integrated Disease Management									
KVK Malkangi ri	FW	OFC	PLP	Bio-control of pests and diseases					_	_	_		
KVK Malkangi ri	FW	OFC	PLP	Production of bio control agents and bio pesticides									
KVK Malkangi ri	FW	OFC	FIS	Integrated fish farming									
KVK Malkangi ri	FW	OFC	FIS	Carp breeding and hatchery management									
KVK Malkangi ri	FW	OFC	FIS	Carp fry and fingerling rearing									
KVK Malkangi	FW	OFC	FIS	Composite fish culture									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	1	ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
ri													
KVK Malkangi ri	FW	OFC	FIS	Hatchery management and culture of freshwater prawn					_	_	_	_	
KVK Malkangi ri	FW	OFC	FIS	Breeding and culture of ornamental fishes									
KVK Malkangi ri	FW	OFC	FIS	Portable plastic carp hatchery									
KVK Malkangi ri	FW	OFC	FIS	Pen culture of fish and prawn									
KVK Malkangi ri	FW	OFC	FIS	Shrimp farming					_			_	
KVK Malkangi ri	FW	OFC	FIS	Edible oyster farming									
KVK Malkangi ri	FW	OFC	FIS	Pearl culture									
KVK Malkangi ri	FW	OFC	FIS	Fish processing and value addition									
KVK Malkangi ri	FW	OFC	PIS	Seed Production									
KVK Malkangi ri	FW	OFC	PIS	Planting material production									
KVK Malkangi ri	FW	OFC	PIS	Bio-agents production									
KVK Malkangi ri	FW	OFC	PIS	Bio- pesticides production									
KVK Malkangi ri	FW	OFC	PIS	Bio-fertilizer production									
KVK Malkangi ri	FW	OFC	PIS	Vermi- compost production									
KVK Malkangi	FW	OFC	PIS	Organic manures									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	ticipa	nts			
KVK	-	g Tyma	e code		Courses (Targete	Courses (Achieve	n (Days)	SC	1	ST		Oth	
	gory	Type	code		d)	d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
ri				production									
KVK Malkangi ri	FW	OFC	PIS	Production of fry and fingerlings									
KVK Malkangi ri	FW	OFC	PIS	Production of Bee- colonies and wax sheets					_	_		_	
KVK Malkangi ri	FW	OFC	PIS	Small tools and implements						_			
KVK Malkangi ri	FW	OFC	PIS	Production of livestock feed and fodder									
KVK Malkangi ri	FW	OFC	PIS	Production of Fish feed									
KVK Malkangi ri	FW	OFC	CB D	Leadership development									
KVK Malkangi ri	FW	OFC	CB D	Group dynamics									
KVK Malkangi ri	FW	OFC	CB D	Formation and Management of SHGs									
KVK Malkangi ri	FW	OFC	CB D	Mobilization of social capital									
KVK Malkangi ri	FW	OFC	CB D	Entrepreneur ial development of farmers/yout hs									
KVK Malkangi ri	FW	OFC	CB D	WTO and IPR issues									
KVK Malkangi ri	FW	OFC	AGF	Production technologies							_	_	
KVK Malkangi ri	FW	OFC	AGF	Nursery management									
KVK Malkangi ri	FW	OFC	AGF	Integrated Farming Systems									
KVK	FW	OFC	OT	Others (Goat									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	ticipa	nts			
KVK	-	g	e		Courses	Courses	n (D)	SC		ST		Oth	
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri			Н	Management)									
KVK Malkangi ri	FW	OFC	AE G	Others (Use of improved implement)									
KVK Malkangi ri	FW	OFC	AE G	Others (water recharging)									
KVK Malkangi ri	FW	OFC	AE G	Others(Soil and Water Conservation)									
KVK Malkangi ri	FW	OFC	OT H	Others (Please specify)									
KVK Malkangi ri	RY	OFC	RY H	Mushroom Production									
KVK Malkangi ri	RY	OFC	RY H	Bee-keeping									
KVK Malkangi ri	RY	OFC	RY H	Integrated farming									
KVK Malkangi ri	RY	OFC	RY H	Seed production									
KVK Malkangi ri	RY	OFC	RY H	Production of organic inputs									
KVK Malkangi ri	RY	OFC	RY H	Integrated Farming									
KVK Malkangi ri	RY	OFC	RY H	Planting material production									
KVK Malkangi ri	RY	OFC	RY H	Vermi- culture									
KVK Malkangi ri	RY	OFC	RY H	Sericulture									
KVK Malkangi ri	RY	OFC	RY H	Protected cultivation of vegetable crops									
KVK Malkangi ri	RY	OFC	RY H	Commercial fruit production									
KVK	RY	OFC	RY	Repair and									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	icipa	nts			
KVK	-	g Tuna	e		Courses	Courses	n (Dove)	SC		ST		Oth	
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
Malkangi ri			Н	maintenance of farm machinery and implements									
KVK Malkangi ri	RY	OFC	RY H	Nursery Management of Horticulture crops									
KVK Malkangi ri	RY	OFC	RY H	Training and pruning of orchards									
KVK Malkangi ri	RY	OFC	RY H	Value addition				L	_	_	_		
KVK Malkangi ri	RY	OFC	RY H	Production of quality animal products					_	_	_		
KVK Malkangi ri	RY	OFC	RY H	Dairying									
KVK Malkangi ri	RY	OFC	RY H	Sheep and goat rearing									
KVK Malkangi ri	RY	OFC	RY H	Quail farming									
KVK Malkangi ri	RY	OFC	RY H	Piggery					_	_	_	_	
KVK Malkangi ri	RY	OFC	RY H	Rabbit farming					_		_		
KVK Malkangi ri	RY	OFC	RY H	Poultry production									
KVK Malkangi ri	RY	OFC	RY H	Ornamental fisheries									
KVK Malkangi ri	RY	OFC	RY H	Para vets									
KVK Malkangi ri	RY	OFC	RY H	Para extension workers									
KVK Malkangi	RY	OFC	RY H	Composite fish culture									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	- gory	g Type	e code		Courses (Targete	Courses (Achieve	n (Days)	SC		ST		Oth	
					d)	d)		M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
ri		0.77											
KVK Malkangi ri	RY	OFC	RY H	Freshwater prawn culture					_		_	_	
KVK Malkangi ri	RY	OFC	RY H	Shrimp farming									
KVK Malkangi ri	RY	OFC	RY H	Pearl culture									
KVK Malkangi ri	RY	OFC	RY H	Cold water fisheries					_		_	_	
KVK Malkangi ri	RY	OFC	RY H	Fish harvest and processing technology									
KVK Malkangi ri	RY	OFC	RY H	Fry and fingerling rearing									
KVK Malkangi ri	RY	OFC	RY H	Small scale processing									
KVK Malkangi ri	RY	OFC	RY H	Post Harvest Technology									
KVK Malkangi ri	RY	OFC	RY H	Tailoring and Stitching									
KVK Malkangi ri	RY	OFC	RY H	Rural Crafts									
KVK Malkangi ri	RY	OFC	RY H	Others (Designing and development for high nutrient efficiency diet)									
KVK Malkangi ri	IS	OFC	EXP	Productivity enhancement in field crops									
KVK Malkangi ri	IS	OFC	EXP	Integrated Pest Management									
KVK Malkangi ri	IS	OFC	EXP	Integrated Nutrient management									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Par	ticipa	nts			
KVK	-	g	e		Courses	Courses	n (Davis)	SC		ST		Oth	
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1 0	11	12	1 3	1 4
KVK Malkangi ri	IS	OFC	EXP	Rejuvenation of old orchards									
KVK Malkangi ri	IS	OFC	EXP	Protected cultivation technology									
KVK Malkangi ri	IS	OFC	EXP	Formation and Management of SHGs									
KVK Malkangi ri	IS	OFC	EXP	Group Dynamics and farmers organization									
KVK Malkangi ri	IS	OFC	EXP	Information networking among farmers									
KVK Malkangi ri	IS	OFC	EXP	Capacity building for ICT application									
KVK Malkangi ri	IS	OFC	EXP	Care and maintenance of farm machinery and implements									
KVK Malkangi ri	IS	OFC	EXP	WTO and IPR issues					_	_	_		
KVK Malkangi ri	IS	OFC	EXP	Management in farm animals									
KVK Malkangi ri	IS	OFC	EXP	Livestock feed and fodder production									
KVK Malkangi ri	IS	OFC	EXP	Household food security									
KVK Malkangi ri	IS	OFC	EXP	Women and Child care									
KVK Malkangi ri	IS	OFC	EXP	Low cost and nutrient efficient diet designing									
	IS	OFC	EXP	Production									

Name of	Cate	Trainin	Them	Sub-theme	No. of	No. of	Duratio	Part	ticipai	nts			
KVK	-	g	e .		Courses	Courses	n	SC		ST		Oth	ers
	gory	Type	code		(Targete d)	(Achieve d)	(Days)	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	1	11	12	1	1
									0			3	4
KVK Malkangi ri				and use of organic inputs									
KVK Malkangi ri	IS	OFC	EXP	Gender mainstreami ng through SHGs									
KVK Malkangi ri	IS	OFC	EXP	Others (Please specify)									
KVK Malkangi ri													
KVK Malkangi ri													
KVK Malkangi ri													

Date	Title	Duration	Participants	S.C		S.T		Othe	ers
		(Days)		M	F	M	F	M	F
15 June 09	Layout & Management of Orchards	1	25			3		22	
17 Jul. 09	Production & Management technique in Cashew nut.	1	25			19	6		
23 Jul. 09	Production of seedlings in vegetables.	1	10			6		4	
26 Aug. 09	Cultivation techniques of Banana	2	25	25					
29 Aug. 09	Post harvest technology and value addition in fruits.	2	10	10					
14 Sept. 09	Production and management	2	25			17	8		

	technology in							
	Chili							
5 Sept. 09	Production and management practices in Rice based cropping	2	25	21	4			
22.24	system.	2	40			22	1.7	
23-24 Oct. 09	Nursery Management in vegetable crops	2	40			23	17	
11-12 Nov. 09	Mushroom cultivation	2	25		25			
17-18 Nov.09	Preparation and preservation of tomato sauce	2	25		25			
17.12.09	Preservation and preparation of pickles from cauliflower, cabbage, carrot, pea and bean	1	25		25			
18- 19.01.10	Integrated pest management in green gram	2	25			15	10	
23.01.10	Household food security by kitchen gardening and nutrition gardening	1	40			20	20	
27.01.10	Pointed gourd cultivation	1	20			20		
28- 29.01.10	Integrated weed management in rice and green gram	2	25			15	10	
05.02.10	Preservation	7	10		4		6	

	C C ' . 1		<u> </u>						
to	of fruits and								
11.02.10		2	1.5	-		1			0
21-22.02.10	Organic farming for	2	15	5	0	4	0	6	0
22.02.10	sustainable								
	crop								
	production								
23-	Preparation of	2	25	12	0	13	0	0	0
24.02.10	spray fluids as								
	well as safe								
	and judicious use of								
	pesticide								
25-	Cultivation of	2	20	6	0	14			
26.02.10	off season	_	20			1			
	vegetables								
15-	Formation	2	10	4	3	2	1		
16.03.10	and								
	management								
20-	of SHG Integrated	2	10	3	2	5			
21.03.10	pest	<u> </u>	10	3	2	3			
21.03.10	management								
	in Kharif								
	vegetable								
22-	Protected	3	10			10			
24.03.10	cultivation of								
	capsicum, cauliflower								
	and off season								
	tomato								
25-	Seed	3	10	3		7			
27.03.10	production of								
	rice, green								
	gram and								
	maize								

Extension activities:

Sl.No.	No.	Beneficiary
i. Farmers Fair		
ii. Kissan Mela	1	150
iii. Exhibition	2	1100
iv. Field days		
v. Field days		

Vi Special day celebration	1	25
vii Radio talk	4	Can not be estimated
viii Television talk	10	Can not be estimated
Ix Technical Report	6	600
x Scientists visit to farmers field	138	358
Xi Kissan Gostthi	-	-
xii. Farmers visit to K.V.K.	73	171
xiii. Diagnostic visit	12	158
xiv Animal health camp	-	-
xv. Farmers club meeting	-	-
xvi SHG conversion meeting	-	-
xvii Ex-trainees sammelan	-	-
xviii Film show	20	620
xix. Popular article	-	-
xx. Group meeting	25	200
xxi. News paper coverage	-	-
xxii. Any other		
Total	292	3062

3.5 Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	Rice	SWARNA	10.5	17,850	33
		GAJAPATI	8.49	14,433	30
		PRATIKSHYA	3.12	5304	10
OILSEEDS					
] PULSES					
VEGETABLES					
FLOWER CROPS					

OTHERS (Specify)			

SUMMARY

SI. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS	22.11	37587	73
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
	TOTAL	22.11	37587	73

PLANTING MATERIALS

SI. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Papaya	Coorg Honeydue	390	1170	39
any and					
SPICES					
VEGETABLES	Drumstick	PKM-1	410	2050	42
FOREST SPECIES					
ORNAMENTAL					
CROPS					
PLANTATION CROPS					
	Chiller	Ohilles	500	4400	F0
Others (specify)	Chillers	Chiller	590	1180	59

SUMMARY

SI. No.	Crop	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	390	1170	39
2	VEGETABLES	410	2050	42
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS	590	1180	59
	TOTAL	1390	4400	140

BIO PRODUCTS: NIL

SI. No.	Product	Species	Qua	ntity	Value	Provided
	Name		No	(kg)	(Rs.)	to No. of Farmers
BIOAGENTS						
1						
2						
3						
4						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

SI.	Day In a Norman	Due don't Name		ntity	\(\frac{1}{2} \cdot \cdot \begin{align*} \text{(D.1)}	Provided to
No.	Product Name	Species	No	(kg)	Value (Rs.)	No. of Farmers
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK: NIL

SI. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		

Cattle			
Sheep and Goat			
Poultry			
Fisheries			
Others (Specify)			

SUMMARY

SI.	Туре	Breed	Qua	antity	Value (Rs.)	Provided to No. of
No.	туре	ыeeu	Nos	Kgs	value (No.)	Farmers
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					
	TOTAL					

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

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

KVK News Letter ((,etc.)

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Malkangiri	31.03.2010	Half yearly	500	-

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	-	-	-
Technical reports			

News letters	Malyabantika	Sri Sanjay Kunar Mohanty, Miss Sunita Dandsena Sri Santosh Kumar Samantaray	500
Technical bulletins	Pointed Gourd cultivation	Miss Sunita Dandasena, Sri Sanjay Kumar Mohanty	500
	'SRI' method of Rice cultivation	Miss Sunita Dandasena, Sri Sanjay Kumar Mohanty	500
	IPM in tomato	Sri Sanjay Kumar Mohanty, Miss Sunita Dandasena	500
	IPM in Cabbage	Miss Sunita Dandasena, Sri Sanjay Kumar Mohanty	500
	Care of pregnant woman and newly born baby	Mrs Bidyutlata Mallick, Sri Sanjay Kumar Mohanty	500
	Preparation of pickles (Mango, Drumstick, Tamarind, Ber)	Mrs Bidyutlata Mallick, Sri Sanjay Kumar Mohanty	500
Popular articles	-	-	-
Extension literature (Leaflets)	-	-	-
	-	_	_
Others (Pl. specify)	-	-	-
TOTAL			3500

(C) Details of Electronic Media Produced : NIL

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

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: Fiveii. No. of farm families selected: 100iii. 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 :

List of equipments purchased with amount

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

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	No. of	% of adoption	Change in income (Rs.)		
technology/skill transferred	participants		Before (Rs./Unit)	After (Rs./Unit)	
Seed treatment with bio	4	67 %	11900 / ha	17220 / ha	
fertilizer in Cowpea					
INM in Pumpkin	4	67 %	41900 / ha	54080 / ha	
Cultivation of YMV resistant	4	73 %	11900 / ha	18280 / ha	
Variety of Okra , Arka					
Anamika					
Control of leaf webber & pod	5	85 %	8000 / ha	15000 / ha	

borer in Sesamum				
Cultivation of wilt resistant	4	86 %	44260 / ha	63500 / ha
HYV of Brinjal Blue star				
Introduction of new HYV of	4	91 %	13000 / ha	16800 / ha
Rice Pratikshya				
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)
Paddy	Low yield	Use of HYV- Pratikshya	5	Accepted	8	29	8
Maize	Low Yield	INM in hybrid Maize P- 30R77	5	Accepted	6	23	10
Pumpkin	Low yield	Improved Gu amal variety	4	Accepted	6	20	6

Economic impact

Crop	Crop Yield qt/ha					Gross return Rs/ha		Net Return Rs/ha		B.C. Ration	
	Local	Demo		Local	Demo	Local	Demo	Local	Demo	Local	Demo
Paddy	41.9	49.6	18.37	23,000	48,608	41,062	48,608	18,062	24,608	1.78	2.02
Maize	25.2	40.8	41.6	19500	22700	36000	51000	16500	28300	1.80	2.24
Pumpkin	178.5	212.7	24.2	20000	25500	57000	72000	37000	46500	2.85	2.82

LINKAGES

Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture,	Joint diagnostic survey, preparation of
Govt. of Orissa	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
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.

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	
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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

		_ Year		Details of production			Amour		
SI. No.	Demo Unit	of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks

6.2 Performance of instructional farm (Crops) including seed production

				Details	of product			nt (Rs.)	
Name of the crop	Date of sowing	Date of harvest	Area (ha)	Variety	Type of Produce	Qty.(Qtl.)	Cost of inputs	Gross income	Remarks
Cereals (Paddy)	23.7.09 24.7.09 24.7.09	7.12.09 to 16.12.09	0.8 0.52 0.28	Swarna Gajapati Pratiksha	SD	10.5 8.49 3.12	4731 3075 1656	17850 14433 5304	
Pulses									
Oilseeds (Groundnut)									
(Sesamum)									
mustard									
Fibers					1				
Spices & Plantati	on crops								
Mango									
Floriculture									
Fruits									
Vegetables									
vegetables									
Others (specify)		1		1	1		<u> </u>	<u> </u>	<u> </u>

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

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

6.4 Performance of instructional farm (livestock and fisheries production) - NIL

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

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)

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):

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

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

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

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

	Released by ICAR		Expenditure		Unspent
Item	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	balance as on 1 st April 2007
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. Re	curring 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)			
В	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			
Н	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. No	n-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. RE	VOLVING FUND			
GRAN	ND TOTAL (A+B+C)			
7.6	Utilization of KVK funds during the year 2007	00		

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

FOLT	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							
\boldsymbol{A}	Stationery, telephone, postage and other expenditure on							
	office running, publication of Newsletter and library							
	maintenance (Purchase of News Paper & Magazines)							
В	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							
E	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							
I.	generated information in the major production systems of the area)							
G	Training of extension functionaries							
Н	Maintenance of buildings							
I	Establishment of Soil, Plant & Water Testing Laboratory							
J	Library							
	TOTAL (A)	2098000	1404934	1404934				
B. No	n-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. RE	VOLVING FUND	50,000	50,000	30,015				
GRAN	ID 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)					
В	POL, repair of vehicles, tractor and equipments		236850	133451		
С	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					
Н	Maintenance of buildings		400000	199500		
Ι	Establishment of Soil, Plant & Water Testing Laboratory					
J	Library					
	TOTAL (A)	2776850	1807353	1410128		
B. No	n-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. RE	VOLVING FUND					
GRAN	ID 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

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

8.1 Constraints:

- (a) Administrative:
 - o Three numbers of SMS
 - o Two Programme Asst.

- o One farm manager
- o One SO

yet to be appointed

- (b) Technical: Online sending of reports sometimes creates difficulties
- (c) Infrastructure: Administrative building, staff quarters, farmer's hostel, fencing of instructional farm, boring of tube wells to be completed before onset of monsoon, otherwise seed production programme under revolving fund can not be taken up. If directed to take up seed production under revolving fund, there is high risk of theft and grazing away by the stray cattle.

(Programme Coordinator)

K.V.K., Malkangiri