

**ANNUAL PROGRESS REPORT OF
THE KVK, MALKANGIRI
IN
ZONE VII**

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Instructions for Filling the Format

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Gray colour cells in summary table need not to be filled.**

REPORTING PERIOD – April 2010 to March, 2011

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
KVK, Malkangiri	OFTs	16	112	16	112	
KVK, Malkangiri	FLDs – Oilseeds (activity in ha)	5	12	5	12	
KVK, Malkangiri	FLDs – Pulses (activity in ha)	5	12	5	12	
KVK, Malkangiri	FLDs – Cotton (activity in ha)					
KVK, Malkangiri	FLDs – Other than Oilseed and pulse crops(activity in ha)	16.2	86	16.2	86	
KVK, Malkangiri	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	5	63	5	63	
KVK, Malkangiri	Training-Farmers and farm women	36	1035	36	1035	
KVK, Malkangiri	Training-Rural youths	8	100	8	100	
KVK, Malkangiri	Training- Extension functionaries	6	75	6	75	
KVK, Malkangiri	Extension Activities			771	6393	
KVK, Malkangiri	Seed Production (Number of activity as seeds in quintal)	56qtl.		47.93qtl.		
KVK, Malkangiri	Planting material ((Number of activity as quantity of planting material in quintal)					
KVK, Malkangiri	Seedling Production (Number of activity as number of seedlings in numbers)	17,000		17,000	6,995	
KVK, Malkangiri	Sapling Production (Number of activity as number of sapling in numbers)					
KVK, Malkangiri	Other Bio- products					
KVK, Malkangiri	Live stock products					
KVK, Malkangiri	SAC Meeting (Date & no. of core/official members	14-01-2011	25	14-01-2011	25	

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
KVK, Malkangiri	Newsletters (no.)	4		4		
KVK, Malkangiri	Publication (Research papers, popular article)					
KVK, Malkangiri	Convergence programmes / Sponsored programmes					
KVK, Malkangiri	KVK-ATMA Linkage programme (Number of activities)					
KVK, Malkangiri	Outreach of KVK in the District (No. of blocks, no. of villages)					
KVK, Malkangiri	Soil sample tested	100	100	106	106	
KVK, Malkangiri	Water sample tested					
KVK, Malkangiri	KMA (No. of messages & beneficiaries)			25	208	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the Incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
KVK, Malkangiri	Programme Coordinator	Sri Sanjay Kumar Mohanty	Plant Protection	M.Sc. (Ag.)	Entomology	15600-39100	19050	17.06.06	Permanent	Others
KVK, Malkangiri	Subject Matter Specialist1	Smt. Bidyutlata Mallick	Home Scieice	M.Sc. (H.Sc.)	Home Science	15600-39100	16250	28.10.09	Permanent	S.T
KVK, Malkangiri	Subject Matter Specialist2	Miss. Sunita Dandasena	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100	16250	23.11.09	Permanent	S.T
KVK, Malkangiri	Subject Matter Specialist3	Mr. Santosh Kumar Samantaray	Agril Extension	M.Sc. (Ag.)	Agril Extension	15600-39100	16250	08-04-10	Permanent	Others
KVK, Malkangiri	Subject Matter Specialist4									
KVK, Malkangiri	Subject Matter Specialist5									

Name of KVK.	Sanctioned post	Name of the Incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
KVK, Malkangiri	Subject Matter Specialist6									
KVK, Malkangiri	Programme Assistant									
KVK, Malkangiri	Farm Manager									
KVK, Malkangiri	Computer Programmer									
KVK, Malkangiri	Accountant / superintendent									
KVK, Malkangiri	Stenographer	Sri Pradeep Kumar Nayak		B.Sc.		5200-20500	6100	12.10.06	Temporary	Others
KVK, Malkangiri	Driver	Sri Chandra Sekhar Behera		HSC		5200-20500	5920	01.08.07	Temporary	S.C
KVK, Malkangiri	Driver	Sri Upendra Mishra		HSC		3,050	3125	25.07.08	Temporary	Others
KVK, Malkangiri	Supporting staff	Sri Budhia Behera				2,550	2605	30.07.08	Temporary	OBC
KVK, Malkangiri	Supporting staff	Sri Bata Naik				2,550	2605	01.08.08	Temporary	S.C

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

1.2.1 Malkangiri District at a Glance

Agro Climatic Zone	South Eastern Ghat Zone
Location	Chhatishgarh in North and West, Andhra Pradesh in South, Koraput district in East
Latitude	17 ⁰ 40' to 18 ⁰ 43'
Longitude	81 ⁰ 22' to 82 ⁰ 25'
Altitude	300-900 m MSL
River system	Saberi in the North-West and Sileru in the South separating Malkangiri from Andhra Pradesh and Chhatishgarh
Population density	87 per sq km (as per 2001 census)

Total Geographical area	579100 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%)
Total Population	505000 (SC-23%, ST-55% & Other-22%)
Total Agriculture Family	91667
Total Population of Male	253000
Total Population of Female	252000
Literacy rate	30.53%
Soil Texture	Sandy loam, clay loam
Soil type	Red laterite, acidic
Fertilizer Consumption	17.78 : 8.92 : 4.82 kg NPK per hectare
Major Cropping system	Rice-Rice, Rice-Groundnut, Rice-vegetable, sesamum-Rice 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 rainfall	1521.8 mm (75% received during June to September)
Relative Humidity	25-70%
Average Maximum Temp.	44.8 ⁰ C

DETAILS OF DISTRICT (2010-11)

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

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

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

S. No	Agro-climatic Zone	Characteristics
1	South Eastern Ghat	<p>Situated between 17⁰ 49' and 18⁰ 3' N latitude ; 81⁰ 15' and 82⁰ 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</p>

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

1.2.4 Soil type

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

1.2.5 Rainfall data (Mongh/Block wise) Year 2010-11

Month	Malkangiri	K. Konda	Mathili	Khairput	K. Gumma	Kalimela	Podia	Average	Remarks Normal
April-10	28.0	5.0	0	0	0	4.0	0	5.29	34.8
May-10	40.0	15.0	17.0	47.0	40.0	58.0	32.0	35.57	49.1
June-10	226.7	165.8	228.0	330.7	206.45	134.3	121.0	201.85	212.2
July-10	701.3	732.0	627.0	723.0	669.0	696.0	597.0	677.9	465.7
Aug.-10	432.2	403.0	542.0	446.0	409.5	280.0	384.0	413.81	472.8
Sept-10	150.2	282.0	378.0	407.0	413.6	322.0	431.0	340.54	281.2
Oct-10	90.8	24.5	106.1	48.5	111.0	25.0	10.5	59.49	109.5
Nov-10	71.8	44.0	60.0	127.5	58.5	19.0	114.5	70.76	23.6
Dec-10	40.0	34.0	11.0	20.0	36.5	5.0	30.0	25.21	3.0
Total	1781.0	1705.3	1969.1	2149.7	1944.55	1543.3	1720.0	1830.42	1651.9

1.2.6 Crop coverage

Sl No	Crop	Area(ha)	Production (0.000MT)	Productivity(q/ha)
1.	Total Paddy	93860	112.35	17.87
2.	Total Maize	9010	14.75	16.37
3.	Ragi	7670	5.43	7.08
4.	Arhar	1030	0.46	4.45
5.	Green gram	7200	3.3	4.2
6.	Black gram	8390	2.74	3.27
7.	Groundnut	19890	45.19	22.72

8.	Sesame	27950	13.14	4.70
9.	Mustard	450	0.16	3.6
10.	Mesta	55	3.56	11.64
11.	Chilli	1630	1.4	8.59
12.	Cowpea	5310	3.33	6.27
13.	Sweet Potato	1410	12.05	85.46
14.	Onion	150	1.26	84
15.	Other Vegetable	13170	168.69	128.08
16.	Total Vegetable	14730	182	123.56

1.2.7 Livestock scenario of the district

Cow	Indian breed	428963	5.9TMt
	Cross breed	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	-

1.2.8 An overview of Pisciculture in the district

Water Resources	Nos.	Area in ha
Reservoirs	3	17658.000
MIPS	26	286.465
Rivers and Canals	29	19240.000
GP Tanks	1112	937.27
Revenue Tanks	150	180.000
Private Tanks	5291	1583.990
Total	6611	39885.725

1.2.9 Block wise Fish production in the District (2010-11)

Name of Block	Total Fish Production (in Mt)
Kalimela	726.1
Khairput	8.5
K. Gumma	132.1
Korukonda	806.1
Malkangiri	792.9
Mathili	188.1
Podia	202.3
Total	2856.1

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
KVK, Malkangiri	Mundaguda	2006	Malkangiri	3kms	700	100
KVK, Malkangiri	Siadimala	2010	Korukonda	5kms	2150	150
KVK, Malkangiri	MV8	2006	Malkangiri	8kms	900	100
KVK, Malkangiri	Pedawada	2006	Malkangiri	18 kms	380	53
KVK, Malkangiri	Kadabahal	2010	Malkangiri	5kms	500	62

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

KVK Name	THRUST AREA
KVK, Malkangiri	Integrated nutrient management in Cereals, pulses and oilseeds.
KVK, Malkangiri	Integrated Pest management in different crops
KVK, Malkangiri	Replacement of Local Variety.
KVK, Malkangiri	Backyard rearing of improved goat breed, poultry and duck
KVK, Malkangiri	Mushroom cultivation
KVK, Malkangiri	Promotion of Pisciculture.
KVK, Malkangiri	Integrated Diseases Management in different crops
KVK, Malkangiri	Sustainable Agriculture.

KVK, Malkangiri	Natural Resource Management.
KVK, Malkangiri	Yield enhancement in different crops
KVK, Malkangiri	Value addition
KVK, Malkangiri	Diversification of agriculture
KVK, Malkangiri	Promotion of vermicomposting
KVK, Malkangiri	Development of integrated farming system

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

KVK Name	Problem identified	Methods of problem identification
KVK, Malkangiri	Low yield due to imbalance nutrient management	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Lack of knowledge in integrated disease and pest management in different crops	Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Low yield due to cultivation of local varieties	Through PRA tools, focus group discussions
KVK, Malkangiri	Low production from fishery and livestock enterprises	Through PRA tools, focus group discussions with farmers, farmwomen & line department officials
KVK, Malkangiri	Drudgery to Farm Woman	Regular meetings with the farm women
KVK, Malkangiri	Unemployed rural youth	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
KVK, Malkangiri	Post harvest loss of fruits and vegetable	Through PRA tools and Discussion with the group of farmer
KVK, Malkangiri	Low income due to rice monocropping and drought condition	Through PRA tools and Discussion with the group of farmer
KVK, Malkangiri	Low yield due to reduction of Soil fertility	Through PRA tools and Discussion with the group of farmer

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
KVK, Malkangiri	Kharif	Low yield due to use of local variety	Assessment	Varietal evaluation	Crop	Irrigated Medium Land	Assessment of high yielding scented variety of rice	03	300 tiller/m ² 135 grain/m ²	520 tiller/m ² 198 grain/panicle	8800	19496	
KVK, Malkangiri	Kharif	Low yield due to use of local variety	Assessment	Varietal evaluation	Crop	Irrigated Upland	Assessment of high yielding variety of sesame (Amrit)	05	39 capsules/plant	75 capsules/plant	4500	9000	
KVK, Malkangiri	Kharif	Low yield due to cultivation of local variety	Assessment	Varital evaluation	Crop	Irrigated Medium Land	Assessment of high yielding variety of blackgram (Ujala)	05	21pods/plant	38 pods/plant	3000	8800	
KVK, Malkangiri	Rabi	Low yield due improper weed management	Assessment	Integrated weed management	Crop	Irrigated Medium Land	Assessment of integrated weed management module in groundnut	10	Continuing		Continuing		
KVK, Malkangiri	Rabi	Low yield due to improper nutrient management	Assessment	INM	Crop	Irrigated Medium Land	Assessment of INM In Groundnut	10	Continuing				
KVK, Malkangiri	Kharif	Low yield due to high infestation of brinjal shoot and	Assessment	Integrated Pest Management	Crop	Irrigated Medium Land	Assessment of ITKs for the control of brinjal shoot and fruit borer	10	-Yield:230 qtl -% of Shoot & fruit infestation:	-Yield:254 -% of Shoot & fruit infestation:2	72,000	92,400	

		fruit borer							32				
KVK, Malkangiri	Kharif	Low yield due to high infestation of plant hoppers	Assessment	Integrated Pest Management	Crop	Irrigated Medium Land	Assessment of management of BPH and WBPH in medium land paddy	05	Yield:29.9q tl. % of infestation: 34	Yield:44.2qtl % of infestation:6	8670	22200	
KVK, Malkangiri	Rabi	Low yield due to high infestation of aphids	Assessment	Integrated Pest Management	Crop	Irrigated Medium Land	Assessment of management strategy of aphid in country bean	10	Yield:83qtl. No. of Aphids/3 leaves:42	Yield:108qtl. No. of Aphids/3 leaves:6	43000	67000	
KVK, Malkangiri	Rabi	Low yield due to high infestation of thrips in chilly	Assessment	Integrated Pest Management	Crop	Irrigated upland	Assessment of management strategy of thrips in chilli	10	Yield:98qtl No. of Thrips per 3 leaves:24	Yield:124qtl No. of Thrips per 3 leaves:4	55,800	75,800	
KVK, Malkangiri	Summer	Low yield due to higher infestation of YMV disease in beans by the vector white flies	Assessment	Integrated Pest Management	Crop	Irrigated upland	Assessment of YMV management in okra	10	Continuing				
KVK, Malkangiri	Rabi	Low yield due to use of local variety	Assessment	Varietal Evaluation	Crop	Irrigated Medium Land	Assessment of High yielding Variety of Pointed Gourd, Var-Swarna Aloukik	05	-Yield: 270qtl -No. of fruits/plant: 45 -22.5 fruits weigh 1kg	Yield:350qtl -No. of fruits/plant: 60 -19 fruits weigh 1 kg.	1,26,000	2,06,000	
KVK, Malkangiri	Kharif	Low efficiency and high drudgery in weeding of	Assessment	Drudgery reduction	Vegetable Crops		Assessment of performance of Garden rake in Vegetable	05	Continuing				

		vegetable crops					crops						
KVK, Malkangiri	Kharif	Low growth rate of deshi birds	Assessment	Evaluation of breed	Poultry		Assessment of poultry breed in backyard for meat production	10	Continuing				
KVK, Malkangiri	Kharif	Low production from fish farming	Assessment		Fish		Assessment of supplementary feeding of fish for higher production	04	Continuing				
KVK, Malkangiri	Kharif	Non availability of mushroom and malnutrition in farm women	Assessment		Mushroom		Assessment of Paddy straw mushroom strains in south eastern ghat hill zone	05	Continuing				
KVK, Malkangiri	Rabi-	Drudgery of farm women and low efficiency during paddy harvesting	Assessment	Drudgery reduction	Sickle		Assessment of improved sickle	05	Continuing				

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
KVK, Malkangiri	Assessment of high yielding scented variety of rice	No of tiller/m2 No of grain /panicle	520 tiller/m2 198 grain /panicle	300 tiller/m2. 135 grain/m2	20,000	22,000		28800	41496		8800	19496		1.42	1.8	
KVK, Malkangiri	Assessment of high yielding variety of sesame (Amrit)	No. of capsules/plant	75 capsules/plant	39 capsules/plant	9000	12,000		13500	21600		4500	9600		1.5	1.8	
KVK, Malkangiri	Assessment of high yielding variety of blackgram (Ujala)	No of pods/plant	38 pods/plant	21 pods/plant	9000	12,000		12000	20800		3000	8800		1.33	1.73	
KVK, Malkangiri	Assessment of integrated weed management module in groundnut	continuing														
KVK, Malkangiri	Assessment of INM In Groundnut	continuing														
KVK, Malkangiri	Assessment of ITKs for the control of brinjal shoot and fruit borer	-Yield:qtl -Shoot & fruit infestation: %	-Yield:254qtl -% of Shoot & fruit infestation:22	-Yield:230 qtl -% of Shoot & fruit infestation:32	66,000	60,000		1,38,000	1,52,400		72,000	92,400		2.09	2.54	

KVK, Malkangiri	Assessment of management of BPH and WBPH in medium land paddy	Yield: % of infestation:	Yield:44.2qtl. % of infestation:6	Yield:29.9qtl. % of infestation:34	22,000	21,230		44,200	29,900		22,200	8670		2.00	1.40
KVK, Malkangiri	Assessment of management strategy of aphid in country bean	Yield: Qtl. No. of Aphid per 3 leaves: Nos.	Yield:108 qtl. No. of Aphids/3 leaves:6	Yield:83qtl. No. of Aphids/3 leaves:42	41,000	40,000		1,08,000	83,000		67,000	43,000		2.63	2.07
KVK, Malkangiri	Assessment of management strategy of thrips in chilli	Yield:qtl No. of Thrips per 3 leaves:Nos	Yield:124qtl No. of Thrips per 3 leaves:4	Yield:98qtl No. of Thrips per 3 leaves:24	48,200	46,200		1,24,00	98,000		75,800	55,800		2.57	2.12
KVK, Malkangiri	Assessment of YMV management in okra	Continuing													
KVK, Malkangiri	Assessment of High yielding Variety of Pointed Gourd, Var-Swarna Aloukik	Yield: qtl. Fruits/plant: Nos. No of fruits weigh 1 Kg: Nos.	-Yield: 270qtl -No. of fruits/plant:45 -22.5 fruits weigh 1kg -	-Yield:350qtl -No. of fruits/plant: 60 -19 fruits weigh 1 kg.	1,44,000	1,44,000		2,70,000	3,50,000		1,26,000	2,06,000		1.87	2.43
KVK, Malkangiri	Assessment of performance of Garden rake in Vegetable crops	Continuing													
KVK, Malkangiri	Assessment of poultry breed Banaraj in backyard for meat & egg	Body weight: kg Eggs laid per annum: Nos.	After 6 months Avg. bdy wt:3.15 kg Eggs:12nos	M-1.05kg. F-750gm Egg-Nil	200/bird (after 6 month)	10/ bird	Continuing								

KVK, Malkangiri	Assessment of supplementary feeding of fish for higher production	Body weight: gm. Length: cm	After 6 month 450gm.	After 6 month 260gm.	Continuing											
KVK, Malkangiri	Assessment of Paddy straw mushroom strains in south eastern ghat hill zone	Continuing														
KVK, Malkangiri	Assessment of improved sickle	Continuing														

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
KVK, Malkangiri	<ul style="list-style-type: none"> • Screening of newly developed Paddy variety suitable for Malkangiri district. • ICRIASAT should be requested to take up a varietal trial on Groundnut in Malkangiri district

3. Achievements of Frontline Demonstrations

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

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
KVK, Malkangiri	Chilli	Integratd Nutrient Management	INM in chilli (Utkal Ava)	Exposure visit, FLD, film/CD shows, training, field days	4	23	8
KVK, Malkangiri	Tomato	Varietal Evaluation	Introduction of HYV of Tomato Utkal Kumari (BT10)	Exposure visit, FLD, film/CD shows, training, field days	5	43	28
KVK, Malkangiri	Pumpkin	Integratd Nutrient Management	INM in Pumpkin	Exposure visit, FLD, film/CD shows, training, field days	4	18	11
KVK, Malkangiri	Cowpea	Integratd Nutrient Management	Seed treatment with biofertilizer in cowpea	Exposure visit, FLD, film/CD shows, training, field days	5	28	12
KVK, Malkangiri	Maize	Integratd Nutrient Management	INM in hybrid maize	Expos Exposure visit, FLD, film/CD shows, training, field days	4	30	25

3.2 Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technolo gy/Entre prizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
KVK, Malkangiri	Varietal evaluation	Ragi	Kharif2010	Use of certified seed of variety	1.0	Chilik a	10.6	6.9	52	2	2	1		5
KVK, Malkangiri	Varietal evaluation	Paddy	Kharif2010	Use of certified seed of variety	2.0	Pratik sha	47.6	40.2	18		7			7
KVK, Malkangiri	ICM	Paddy (SRI)	Kharif 2010	SRI method of Rice cultivation	1.0	MTU- 1001	59.55	41.99	41.8	3	1	1		5
KVK, Malkangiri	IWM	Paddy	Kharif 2010	Pre emergence application of Pretilachlor @ 1.5 Litres/ha	2.0	Lalat	42	34.5	21.7	3	2			5

KVK, Malkangiri	IFS		Rabi 10-11	Vegitable seedlings ,ducklings,poultry chicks,fingerlings	1					3	2			5
KVK, Malkangiri	INM	Maize	Rabi 10-11	N:P2O5:K2O= 170:80:80Kg/2ha, ZnSO4= 25 Kg/ha	2					3	2			5
KVK, Malkangiri	Varietal evaluation	Chilli	Rabi201011	High yielding Variety of chilli	1.0	Utkal Rashmi	74	53	39.62	2	2	1		5
KVK, Malkangiri	Varietal evaluation	Okra	Rabi201011	Cultivation YMV resistant variety of Okra	1.0	Arka Anamika	96.2	67.8	22.58	2	2	1		5
KVK, Malkangiri	Varietal evaluation	Cowpea	Rabi201011	Cultivation of High yielding Variety of Cowpea	1.0	Utkal Manika	76	62	22.58	2	2	1		5
KVK, Malkangiri	Integrated Nutrient Management	Watermelon	Summer	Application of Ethrel in Watermlon	1.0	Sugar baby	233.4	194.6	19.93	2	2	1		5
KVK, Malkangiri	Integrated Crop Management	Green gram	Rabi	Cultivation of High yielding Variety of Greengram, Seed teartment with Rhizobium @20gm/ kg. of seed, N:P:K @ 20:40:40, Spraying of Endosulphan followed by Thiomethoxam	5.0	K-851	7.4	5.8	27.58	5	6	1		12

KVK, Malkangiri	Integrated Crop Management	Groundnut	Rabi	Cultivation of High yielding Variety of Groundnut, Seed treatment with Rhizobium, soil application of PSB, N:P:K @ 20:40:40, spraying of Boron, Propenophos, Ridomil MZ- 72.	5.0	Smruti	25.5	18.2	40.10	7	5			12
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KVK, Malkangiri	IPM	Rice	Kharif2010	Nursery treatment with Carbofuran 3 G @ 30 kg / ha, clipping of leaf tips, use of Pheromone trap @ 20 nos / ha, spraying of neem oil @ 2.5 ltrs / ha at 15 days interval at 30 DAP (thrice) & need based alternate spraying of Chloropyrifos @ 1 ltr / ha/ Thiomethoxam @ 100 gm / ha	2.0	MTU1001	45.6	37.2	22.58	5	3			8
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KVK, Malkangiri	IDM	Tomato	Rabi201011	Growing of wilt tolerant variety with soil application of, Carbofuran 3 G @ 30 kg / ha, alternate spraying of Thiometoxam 25 WG @ 100 gms / ha and Dimethoate 35 EC @ 1 ltr / ha and planting of maize as border crop and use of yellow sticky trap may enhance the yield.	0.4	BT-10	276	223	23.76	1	8	1		10
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KVK, Malkangiri	IPM	Cabbage	Rabi201011	Growing of Mustard as trap crop with cabbage in (2:16) rows, Use of pheromone trap, Alternate spraying of Fipronil 5SC@ 800 ml / ha with BT (<i>Bacillus thuringiensis</i>) @ 1 ltr / ha at 30 and 45 Days after transplanting.	0.4	Green Express	322	246	30.89	9		1	1	10
KVK, Malkangiri	Small scale income generating enterprise	Fish	Kharif2010	Cultivation of Indian major carps (3:4:3)	0.4	IMC	33.25 qtl	14qtl	137.5	1	4	1		6
KVK, Malkangiri	Small scale income generating enterprise	Duck	Rabi2010-11	Ducklings Breed Khaki Campbel	14	Khaki Campbel	Conti nuing			5	7	2		14
KVK, Malkangiri	Nutrition management	Vegetables	Rabi-2010	Solanaceous vegetables , Leafy vegetables Papaya, drumstick seeds	15	Blue star, BT-10, Utkala Abha, Honey dew, PKM-1	Contn uing			5	9	1		15
KVK, Malkangiri	Mushroom Production	Mushroom	Rabi-2010	Oyester mushroom production	20	Pleurotous Florida	Conti nuing			8	8	4		20
KVK, Malkangiri	Drudgery reduction	KB Pump	Summer 11		4	KB pump				2	1	1		4
KVK, Malkangiri	Value addition	-	Summer -11	Sauce, Pickles	10		Conti nuing			7	2	1		10

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
KVK, Malkangiri	Ragi	Use of certified seed of variety	Ear head/ Plant: Nos.	5 ear head/plant	3.4 ear head/plant	3,700	3,000	10,000	6,600	6,300	6,600	2.7	2.2
KVK, Malkangiri	Paddy	Use of HYV of Paddy -Pratiksha	Tillers/m2: Nos. Grains/ Panicle:Nos	580 tillers/m2 198 nos.	450 tillers/m2 160 nos	25,000	25,000	47,600	40,000	22,600	15,000	1.9	1.6
KVK, Malkangiri	Paddy (SRI)	SRI method of Rice cultivation	Tillers/m2: Nos. Grains/ Panicle:Nos	720tiller/m2 215nos.	480tiller/m2 180ns.	22,000	20,000	60,000	40,000	38,000	20,000	2.7	2.0
KVK, Malkangiri	Paddy	Pre emergence application of Pretilachlor @ 1.5 Litres/ha	weeds/m2: Nos	3	14	24,500	24,000	42000	34500	17,500	10,500	1.71	1.44
KVK, Malkangiri	IFS	Vegitable seedlings ,ducklings,poultry chicks,fingerlings	continuing										
KVK, Malkangiri	Maize	N:P2O5:K2O= 170:80:80Kg/2ha, ZnSO4= 25 Kg/ha	Continuing										
KVK, Malkangiri	Chilli	High yielding Variety of chilli	Yield No.of fruits/plant			56,000	54,300	1,48,000	1,06,000	92,000	51,700	2.64	1.95
KVK, Malkangiri	Okra	Cultivation YMV resistant variety of Okra	Yield			57,000	54,000	1,44,300	1,01,700	87,300	47,700	2.53	1.88
KVK, Malkangiri	Cowpea	Cultivation of High yielding Variety of Cowpea	Yield			36,600	34,900	91,200	74,400	54,600	39,500	2.49	2.13
KVK, Malkangiri	Watermelon	Application of Ethrel in watermelon	Yield No. of fruits/plant	233.4 qtl 4.5 nos.	194.6 qtl. 2.5 nos.	41,000	40,000	1,16,700	97,300	75,700	57,300	2.84	2.43

KVK, Malkangiri	Green gram	Cultivation of High yielding Variety of Greengram, Seed teartment with Rhizobium @20gm/kg. of seed, N:P:K @ 20:40:40, Spraying of Endosulphan followed by Thiomethoxam	Yield No. of pods / plant	7.4 qtl 78 nos.	5.8qtl 56 nos.	15,000	13,000	37,000	29,000	22,000	16,000	2.46	2.23
KVK, Malkangiri	Groundnut	Cultivation of High yielding Variety of Groundnut, Seed treatment with Rhizobium, soil application of PSB, N:P:K @ 20:40:40, spraying of Boron, Propenophos, Ridomil MZ-72.	Yield No. of pods / plant	25.5 qtl 74 nos.	18.2qtl 51 nos.	30,300	27,100	76,500	54,600	46,200	27,500	2.52	2.01
KVK, Malkangiri	Rice	Nursery treatment with Carbofuran 3 G @ 30 kg / ha, clipping of leaf tips, use of Pheromone trap @ 20 nos / ha, spraying of neem oil @ 2.5 ltrs / ha at 15 days interval at 30 DAP (thrice) & need based alternate spraying of Chloropyriphos @ 1 ltr / ha/ Thiomethoxam @ 100 gm / ha				19000	17000	45600	37200	26600	20200	2.4	2.1

KVK, Malkangiri	Tomato	Growing of wilt tolerant variety with soil application of, Carbofuran 3 G @ 30 kg / ha, alternate spraying ofThiomethoxam 25 WG @ 100 gms / ha and Dimethoate 35 EC @ 1 ltr / ha and planting of maize as border crop and use of yellow sticky trap may enhance the yield.	Yield % of infestation	276 qtl 4%	223 qtl 17%	56,200	54,100	1,38,000	1,11,500	81,800	57,400	2.45	2.06
KVK, Malkangiri	Cabbage	Growing of Mustard as trap crop with cabbage in (2:16) rows,Use of phermone trap, Alternate spraying of Fipronil 5SC@ 800 ml / ha with BT (<i>Bacillus thuringiensis</i>) @ 1 ltr / ha at 30 and 45 Days after transplanting.	Yield % of infestation	322 qtl. 4%	246 qtl. 21%	46,200	44,100	1,28,800	98,400	82,600	54,300	2.78	2.3

KVK, Malkangiri	Fish	Cultivation of Indian major carps (3:4:3)	After 5 months Yield:qtl Body wt: gm. Mortality :%	33.25qtl 700gm. 5%	14qtl. 400gm 30%	25,000	25,000	2,66,000	1,12,000	2,41,000	87,000	10.64	4.48
KVK, Malkangiri	Duck	Ducklings Breed Khaki Campbel	Continuing										
KVK, Malkangiri	Vegetables	Solanaceous vegetables , Leafy vegetables Papaya, drumstick seeds	Continuing										
KVK, Malkangiri	Mushroom	Oyester mushroom production	Continuing										
KVK, Malkangiri	KB Pump	-	Continuing										
KVK, Malkangiri	-	Sauce, Pickles	Continuing										

3.4 Feedback of the Farmers

Name of KVK	Feedback
KVK, Malkangiri	

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
KVK,		Field days	15	750	

Malkangiri		Farmers Training	15	360	
		Media coverage			
		Training for extension functionaries			

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
KVK, Malkangiri	Farmers & Farm women	Bench mark studies, Focus Group discussions	12-04-2010, Mundaguda	117
KVK, Malkangiri	Rural Youth	Observation ,Focus Group discussions & Individual interviews	03-05-2010, MV-8	58
KVK, Malkangiri	In-service	Individual interviews, Gap analysis	13-05-2010, DAO office, Malkangiri	29
KVK, Malkangiri				

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants

HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only,
2. For category, training type and thematic area, mention code/abbreviations only

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
KVK, Malkangiri	FW	OFC	HOF	Shorting & Grading of Mango	1	1					22	18		
KVK, Malkangiri	FW	OFC	HOF	Cultivation of Mango	1	1					30	10		
KVK, Malkangiri	FW	OFC	HOF	Banana Cultivation	1	1					21	19		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
KVK, Malkangiri	FW	ONC	HOF	Micro Irrigation in Orchards	1	2			5		13	5		2
KVK, Malkangiri	FW	ONC	HOV	Plant propagation techniques for Pointed gourd Cultivation	1	2			1		17	7		
KVK, Malkangiri	FW	OFC	HOV	Production & Management Technology of Brinjal	1	1					17	8		
KVK, Malkangiri	FW	ONC	HOO	Propagation techniques of Ornamental Plants	1	2			20		4		1	
KVK, Malkangiri	FW	OFC	HOV	Improved Method of Okra Cultivation	1	1			21	4				
KVK, Malkangiri	FW	OFC	HOV	Improved method of Chilli Cultivation	1	1					18	7		
KVK, Malkangiri	FW	OFC	HOV	Improved Packages and Practices of Pointed gourd cultivation	1	1			25					
KVK, Malkangiri	FW	OFC	HOV	Scientific method of Cucurbit cultivation	1	1					11	14		
KVK, Malkangiri	FW	OFC	HOF	Management of Mango Orchards	1	1					10	15		
KVK, Malkangiri	RY	ONC	LPM	Improved Broiler Farming	1	3			10		5			
KVK, Malkangiri	RY	ONC	LPM	Goatery for Sustainable Income	1	3			7		8			
KVK, Malkangiri	IS	ONC	EXP	Application of ICT in Agriculture & Allied sector	1	2	7				1		2	
KVK, Malkangiri	FW	OFC	CRP	Maize and Black Gram intercropping	1	1					23	17		
KVK, Malkangiri	FW	OFC	CRP	SRI method of Rice Cultivation	1	1			2	2	15	2	15	4
KVK, Malkangiri	FW	OFC	CRP	Integrated Nutrient Management in Rice	1	1					20	5		
KVK, Malkangiri	FW	OFC	CRP	IWM in Ground nut	1	1					16	9		
KVK, Malkangiri	FW	OFC	CRP	INM in Groundnut	1	1			3	-	13	2	3	4
KVK, Malkangiri	FW	OFC	CRP	Improved Cultivation Practice of Ground nut	1	1					15	10		
KVK, Malkangiri	FW	OFC	CRP	Technology of seed harvesting and storage in pulse crop	1	1					10	15		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
KVK, Malkangiri	FW	OFC	CRP	Seed Production technology in Ground nut	1	1					16	9		
KVK, Malkangiri	RY	ONC	CRP	IFS	1	3			3		6		1	
KVK, Malkangiri	RY	ONC	CRP	Production of organic input	1	3					10			
KVK, Malkangiri	IS	ONC	CRP	Productivity enhancement in field crops	1	1	7		2		1			
KVK, Malkangiri	FW	OFC	PLP	IPM in Pointed gourd	1	1					23	17		
KVK, Malkangiri	FW	OFC	PLP	Use of Neem based pesticides in Rice, Okra, Brinjal	1	1					28	12		
KVK, Malkangiri	FW	ONC	PLP	Integrated management of Brinjal shoot & fruit borer, Tomato borer & Thrips of Chilli	1	2					22	3		
KVK, Malkangiri	RY	ONC	PLP	Vermiculture	1	3				3	10			2
KVK, Malkangiri	IS	ONC	PLP	IPM in Paddy	1	2	8		3		1		3	
KVK, Malkangiri	FW	OFC	PLP	IPM for BPH & WBPH	1	1			1		15	10		
KVK, Malkangiri	FW	ONC	PLP	IPM in Cabbage & Cauliflower	1	2			20		4		1	
KVK, Malkangiri	FW	OFC	PLP	IDM in Tomato (Fungal,Bacterial,Nematode wilt & Blossom end rot)	1	1			20	3				2
KVK, Malkangiri	RY	ONC	PLP	Italian Honey bee	1	3			7		4	2		2
KVK, Malkangiri	FW	ONC	PLP	Preparation of spray fluids as well as sale and judicious use of pesticides for farmers	1	2	1		7		17			
KVK, Malkangiri	FW	ONC	PLP	IPM & IDM in Pointed gourd	1	2			7		17		1	
KVK, Malkangiri	IS	ONC	PLP	Integrated watershed management	1	5	8		6		1			
KVK, Malkangiri	FW	OFC	WOE	Cultivation of Paddy Straw Mushroom	1	1					18	22		
KVK, Malkangiri	FW	OFC	WOE	Rearing of Banaraj	1	1					22	18		
KVK, Malkangiri	FW	ONC	WOE	Preservation of dehydrate product	1	2		2		6		17		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
Malkangiri														
KVK, Malkangiri	FW	OFC	WOE	Gender mainstreaming through SHGs	1	1					10	15		
KVK, Malkangiri	FW	OFC	WOE	Cultivation of Fish Culture	1	1					8	17		
KVK, Malkangiri	RYH	ONC	WOE	Mushroom production	1	3	1		4	2		3		
KVK, Malkangiri	IS	ONC	WOE	Care of pregnant woman and infant	1	2				7		7		1
KVK, Malkangiri	FW	OFC	WOE	Management of SHGs	1	1					5	20		
KVK, Malkangiri	FW	OFC	WOE	Designing and development for high nutrition efficiency diet	1	1				5	4	5	3	8
KVK, Malkangiri	RYH	ONC	WOE	Tailoring and stitching	1	3		4		3		3		
KVK, Malkangiri	FW	OFC	WOE	Use of different farm implements to reduce some specific drudgery reduction technology	1	1					12	13		
KVK, Malkangiri	IS	ONC	WOE	Gender mainstreaming through SHGs	1	2	2	3	1	1	2	1		
KVK, Malkangiri														

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
KVK, Malkangiri	Goatery for Sustainable Income	Enterprise		3	10		5			
KVK, Malkangiri	Improved Broiler Farming	Enterprise		3	7		8			
KVK, Malkangiri	IFS	Enterprise		3	3		6		1	
KVK, Malkangiri	Production of Organic Input	Enterprise		3			10			
KVK, Malkangiri	Vermiculture	Enterprise		3		3	10			2
KVK, Malkangiri	Italian Honeybee Keeping	Enterprise		3	7		4	2		2

KVK, Malkangiri	Mushroom production enterprises	Enterprise		3	4	2		3	1	
KVK, Malkangiri	Tailoring and stitching	Enterprise		3		3		3		4

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs (No)

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
KVK, Malkangiri					
KVK, Malkangiri					

Table 5.4. Sponsored Training Programmes (No)

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
KVK, Malkangiri														
KVK, Malkangiri														

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members (No)

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
KVK, Malkangiri														
KVK, Malkangiri														

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
KVK, Malkangiri	Shorting & Grading of Mango	40	3	7					10nos. 62%
KVK, Malkangiri	Cultivation of Mango	40	4	8					18nos. 78%
KVK, Malkangiri	Banana Cultivation	40	3	8					20nos. 69%
KVK, Malkangiri	Micro Irrigation in Orchards	25	2	7					2nos. 67%
KVK, Malkangiri	Plant propagation techniques for Pointed gourd Cultivation	25	3	8	270	350	2,70,000	3,50,000	12 57%
KVK, Malkangiri	Production & Management Technology of Brinjal	25	3	6	230	254	2,30,000	2,54,000	16 56%
KVK, Malkangiri	Propagation techniques of Ornamental Plants	25	3	8					8nos. 34%
KVK, Malkangiri	Improved Method of Okra Cultivation	25	5	8	67.8	96.2	82,000	1,15,000	15nos. 56%
KVK, Malkangiri	Improved method of Chilli Cultivation	25	6	10	67.8	96.2	67,800	96,200	19 67%
KVK, Malkangiri	Improved Packages and Practices of Pointed gourd cultivation	25	4	9	270	350	2,70,000	3,50,000	15 76%
KVK, Malkangiri	Scientific method of Cucurbit cultivation	25	3	8					19 67%
KVK, Malkangiri	Management of Mango Orchards	25	4	9					12 68%
KVK, Malkangiri	Improved Broiler Farming	15	3	8					6 78%
KVK, Malkangiri	Goatery for Sustainable Income	15	4	8					2 56%
KVK, Malkangiri	Application of ICT in Agriculture & Allied sector	10	2	9					
KVK, Malkangiri	Maize and Black Gram intercropping	40	4	9					23 56%

KVK, Malkangiri	SRI method of Rice Cultivation	40	3	8	41.8	59.55	42,000	60,000	29 69%
KVK, Malkangiri	Integrated Nutrient Management in Rice	25	3	9	38	45	38,000	45,000	17 56%
KVK, Malkangiri	IWM in Ground nut	25	5	10	19	24	38,000	48,000	18 60%
KVK, Malkangiri	INM in Groundnut	25	2	8	19	24	38,000	48,000	13 68%
KVK, Malkangiri	Improved Cultivation Practice of Ground nut	25	3	9	18	26	38,000	48,000	14 78%
KVK, Malkangiri	Technology of seed harvesting and storage in pulse crop	25	2	7					12 65%
KVK, Malkangiri	Seed Production technology in Ground nut	25	2	6					13 60%
KVK, Malkangiri	IFS	10	3	8					5 86%
KVK, Malkangiri	Production of organic input	10	2	8					4 56%
KVK, Malkangiri	Productivity enhancement in field crops	10	2	9					8 65%
KVK, Malkangiri	IPM in Pointed gourd	40	4	7	270	350	2,70,000	3,50,000	34 76%
KVK, Malkangiri	Use of Neem based pesticides in Rice, Okra, Brinjal	40	2	8					19 65%
KVK, Malkangiri	Integrated management of Brinjal shoot & fruit borer, Tomato borer & Thrips of Chilli	25	2	6					34 75%
KVK, Malkangiri	Vermiculture	15	3	6					4 65%
KVK, Malkangiri	IPM in Paddy	15	2	5	37.2	45.6	37,000	46,000	12 64%
KVK, Malkangiri	IPM for BPH & WBPH in Paddy	25	3	7	29.9	44.2	30,000	44,000	25 87%
KVK, Malkangiri	IPM in Cabbage & Cauliflower	25	3	8	246	322	2,46,000	3,22,000	22 88%
KVK, Malkangiri	IDM in Tomato (Fungal,Bacterial,Nematode wilt & Blossom end rot)	25	2	4	223	276	2,20,000	2,70,000	18 76%
KVK, Malkangiri	Italian Honey bee	15	2	6					56%

KVK, Malkangiri	Preparation of spray fluids as well as sale and judicious use of pesticides for farmers	25	3	7				20 76%
KVK, Malkangiri	IPM & IDM in Pointed gourd	25	5	8				20 88%
KVK, Malkangiri	Integrated watershed management	15	3	9				
KVK, Malkangiri	Cultivation of Paddy Straw Mushroom	40	4	7				5 75%
KVK, Malkangiri	Rearing of Banaraj	40	3	8				10 67%
KVK, Malkangiri	Preservation of dehydrate product	25	3	7				12 65%
KVK, Malkangiri	Gender mainstreaming through SHGs	25	2	6				
KVK, Malkangiri	Cultivation of Fish Culture	25	3	8				10 56%
KVK, Malkangiri	Mushroom production	10	2	6				5 56%
KVK, Malkangiri	Care of pregnant woman and infant	15	3	7				
KVK, Malkangiri	Management of SHGs	25	4	8				
KVK, Malkangiri	Designing and development for high nutrition efficiency diet	25	4	9				20 65%
KVK, Malkangiri	Tailoring and stitching	10	2	5				6 66%
KVK, Malkangiri	Use of different farm implements to reduce some specific drudgery reduction technology	25	5	7				10 76%
KVK, Malkangiri	Gender mainstreaming through SHGs	10	3	8				

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
KVK, Malkangiri	Field Day	15	15	29	22	383	299	30	-			
KVK, Malkangiri	Kisan Mela	1	1	8	-	135	7	10	-			
KVK, Malkangiri	Kisan Ghosthi											
KVK, Malkangiri	Exhibition	2	2	56	34	335	98	32				
KVK, Malkangiri	Film Show	32	28	334	89	1567	418					
KVK, Malkangiri	Method Demonstrations	12	7	34	21	55	32					
KVK, Malkangiri	Farmers Seminar											
KVK, Malkangiri	Workshop											
KVK, Malkangiri	Group meetings	24	38	98	37	327	233	18				
KVK, Malkangiri	Lectures delivered as resource persons		14	34	56	89	79	34				
KVK, Malkangiri	Newspaper coverage		2									
KVK, Malkangiri	Radio talks		5 (Live phone in programme)									
KVK, Malkangiri	TV talks											
KVK, Malkangiri	Popular articles											
KVK, Malkangiri	Extension Literature	8	8							To disseminate new knowledge among farming community		
KVK,	Farm advisory Services									-		

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Malkangiri KVK, Malkangiri	Scientific visit to farmers field	216	168	126	39	340	83			To monitor FLD/ OFT activities, Training etc		
KVK, Malkangiri	Farmers visit to KVK	480	412	116	18	255	23			To get solutions for various farm issues		
KVK, Malkangiri	Diagnostic visits		65	13	7	39	6			To encounter disease & pest related - issues in various crops		
KVK, Malkangiri	Exposure visits											
KVK, Malkangiri	Ex-trainees Sammelan											
KVK, Malkangiri	Soil health Camp											
KVK, Malkangiri	Animal Health Camp		5			151		12		Vaccination & health check up of Animals		
KVK, Malkangiri	Agri mobile clinic											
KVK, Malkangiri	Soil test campaigns											
KVK, Malkangiri	Farm Science Club conveners meet											
KVK, Malkangiri	Self Help Group conveners meetings											
KVK, Malkangiri	Mahila Mandals conveners meetings											
KVK, Malkangiri	Celebration of important days		1			3	115	6	1	Celebration of Women in Agriculture Day	Role Women in Agriculture	

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK, Malkangiri	March-2010	Quarterly	500	500
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

7.2 Literature developed/published

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
KVK, Malkangiri	Technical bulletin	INM in Maize	Miss Sunita Dandasena	500
KVK, Malkangiri	Technical bulletin	Ragi Cultivation	Miss Sunita Dandasena	500
KVK, Malkangiri	Technical bulletin	Hybrid Maize Cultivation	Sri Sanjay Kumar Mohanty	500
KVK, Malkangiri	Technical bulletin	Management of shoot & fruit borer in Brinjal	Sri Sanjay Kumar Mohanty	500
KVK, Malkangiri	Extension literature	Contagious diseases of domestic animals & its preventive measures	Mr Santosh Kumar Samantaray	500
KVK, Malkangiri	Extension literature	Improved Okra cultivation	Mr Santosh Kumar Samantaray	500
KVK, Malkangiri	Extension literature	Rearing of Banraj poultry in backyard	Mrs. Bidyut Lata Mallick	500
KVK, Malkangiri	Extension literature	Mushroom cultivation & processing	Mrs. Bidyut Lata Mallick	500

7.3 Details of Electronic Media Produced(No)

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
KVK, Malkangiri			
KVK, Malkangiri			
KVK, Malkangiri			

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
KVK, Malkangiri	Cereals	Paddy	MTU 1001	SD	45.33qtl.	Qtl.		
KVK, Malkangiri	Pulses							
KVK, Malkangiri	Oil Seed	Sesamum	Amrit	SD	2.6qtl.	Qtl.		
KVK, Malkangiri	Fruits							
KVK, Malkangiri	Seedlings	Tomato	BT 10	PM	5000 no.	Nos.	2500	1375
KVK, Malkangiri		Drumstick	Pkm-1	PM	1000 no	Nos.	3000	1514
KVK, Malkangiri		Papaya	Honey dew	PM	1000 no	Nos.	3000	1316
KVK, Malkangiri		Brinjal	Blue star	PM	5000 no.	Nos.	2500	1375
KVK, Malkangiri		Chili	Utkal Ava	PM	5000 no.	Nos.	2500	1375
KVK, Malkangiri								

8.2 Planting Material production (No)

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	

KVK, Malkangiri											
KVK, Malkangiri											
KVK, Malkangiri											
KVK, Malkangiri											
KVK, Malkangiri											

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) (NA)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
KVK, Malkangiri	BIOAGENTS				
KVK, Malkangiri	BIOFERTILIZERS				
KVK, Malkangiri	BIO PESTICIDES				

8.4 Livestock and fisheries production (NA)

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
KVK, Malkangiri	Cattle						
KVK, Malkangiri	Buffalo						
KVK, Malkangiri	Sheep and Goat						
KVK, Malkangiri	Poultry						
KVK, Malkangiri	Fisheries						
KVK, Malkangiri	Others (Specify)						

9. Activities of Soil and Water Testing Laboratory (NA)

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

9.1 Details of soil & water samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
KVK, Malkangiri					
KVK, Malkangiri					

10. Rainwater Harvesting(NA)

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
					Male	Female	Total	Male	Female	Total
KVK, Malkangiri										
KVK, Malkangiri										
KVK, Malkangiri										

11. Utilization of Farmers Hostel facilities (Hostel is under construction)

Accommodation available (No. of beds) :

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
KVK, Malkangiri							
KVK, Malkangiri							
KVK, Malkangiri							

12. Utilization of Staff Quarters facilities(Under construction)

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
KVK, Malkangiri					
KVK, Malkangiri					
KVK, Malkangiri					

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
KVK, Malkangiri	14-01-11	25	<ol style="list-style-type: none"> 1. Emphasis on Integrated Farming system 2. Stresses on soil test

			3.
KVK, Malkangiri	12-03-10	25	1.Development of Integrated Farming System Model 2.Popularization of SRI method of Rice cultivation 3.Vermi compost 4. Introduction of improved backyard poultry 5. Mushroom cultivation
KVK, Malkangiri	13-03-09	25	
KVK, Malkangiri	25-03-08	25	

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
KVK, Malkangiri				
KVK, Malkangiri	25	156	52	
KVK, Malkangiri				

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
KVK, Malkangiri	ATMA					
KVK, Malkangiri	MNREGA					
KVK, Malkangiri	NHM					
KVK, Malkangiri	RKVY	State	95,000	FLD on Groundnut(5ha.) FLD on Sesamum(5ha.)	Grampanchayt (Tamasa, Korukonda)	
KVK, Malkangiri	DRDA					
KVK, Malkangiri	Zila Panchyat					
KVK, Malkangiri	Seed village					

KVK, Malkangiri	NAIP					
KVK, Malkangiri	Climate Change					
KVK, Malkangiri	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
KVK, Malkangiri	30768858587	84,743	43,000	43,000(17,000 seedlings +50 kg. Sesame seed) + (2.1 qtl Sesamum seed in hand+ 45.33 qtl processed Paddy seed supplied to OSSC)
KVK, Malkangiri				
KVK, Malkangiri				

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

18. Case study and Success Story – Two best only in the following format

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

19. Details of KVK Agro-technological Park (NA)

Name of KVK	Name of Component of Park	Detail Information (If established)
KVK, Malkangiri	Crop Cafeteria	
KVK, Malkangiri	Technology Desk	
KVK, Malkangiri	Visitors Gallery	

KVK, Malkangiri	Technology Exhibition	
KVK, Malkangiri	Technology Gate-Valve	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
KVK, Malkangiri			
KVK, Malkangiri			

21. Status of KVK Website: Available/Not Available

22. E-CONNECTIVITY(NA)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
KVK, Malkangiri							
KVK, Malkangiri							

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
KVK, Malkangiri	Gosthies			
KVK, Malkangiri	Lectures organized			
KVK, Malkangiri	Exhibition			
KVK, Malkangiri	Film show			
KVK, Malkangiri	Fair			
KVK, Malkangiri	Farm Visit			
KVK, Malkangiri	Diagnostic Practical's			
KVK, Malkangiri	Distribution of Literature (No.)			
KVK, Malkangiri	Distribution of Seed (q)			
KVK, Malkangiri	Distribution of Planting materials (No.)			
KVK, Malkangiri	Bio Product distribution (Kg)			

KVK, Malkangiri	Bio Fertilizers (q)			
KVK, Malkangiri	Distribution of fingerlings (No)			
KVK, Malkangiri	Distribution of Livestock specimen (No.)			
KVK, Malkangiri	Total number of farmers visited the technology week			

24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
KVK, Malkangiri			
KVK, Malkangiri			
KVK, Malkangiri			

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
KVK, Malkangiri	Oilseeds		
KVK, Malkangiri	Pulses		
KVK, Malkangiri	Cereals		
KVK, Malkangiri	Vegetable crops		
KVK, Malkangiri	Tuber crops		
KVK, Malkangiri	Fruits		
KVK, Malkangiri	Spices		
KVK, Malkangiri	Cotton		
KVK, Malkangiri			
KVK, Malkangiri			
KVK, Malkangiri	Total		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants
KVK, Malkangiri	Dairy Management	5	119
KVK, Malkangiri	Disease management		
KVK, Malkangiri	Feed and fodder technology		
KVK, Malkangiri	Poultry management		
KVK, Malkangiri			
KVK, Malkangiri			

Animal health camps organised

Name of KVK	Number of camps	No.of animals	No.of farmers
KVK, Malkangiri	5	861	158
KVK, Malkangiri			
KVK, Malkangiri			

Seed distribution in drought hit states(No)

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

Bio-control Agents(NA)

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
KVK, Malkangiri				

(e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				
KVK, Malkangiri				

KVK, Malkangiri				
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(f) Verms Produced(Under construction)

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
KVK, Malkangiri				
KVK, Malkangiri				

(g) Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
KVK, Malkangiri			
KVK, Malkangiri			

(h) Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
KVK, Malkangiri												
KVK, Malkangiri												
KVK, Malkangiri												

25. Status of KVK Website: Already having website/under construction

If available, please provide the address of website:

26. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) -