

**KRISHI VIGYAN KENDRA, UMARIA**

**ANNUAL PROGRESS REPORT  
2011-2012**

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## REPORTING PERIOD – April 2011 to March, 2012

### 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	
Umaria	OFTs	12	62	12	70	
Umaria	FLDs – Oilseeds (activity in ha)	10	26	10	26	
Umaria	FLDs – Pulses (activity in ha)	10	26	10	26	
Umaria	FLDs – Cotton (activity in ha)	-	-	-	-	
Umaria	FLDs – Other than Oilseed and pulse crops(activity in ha)	18.8	48	26	71	
Umaria	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	-	-	-	-	
Umaria	Training-Farmers and farm women	62	1550	80	2156	
Umaria	Training-Rural youths	17	425	6	118	
Umaria	Training- Extension functionaries	11	275	4	59	
Umaria	Extension Activities	406	3690	257	3359	
Umaria	Seed Production (Number of activity as seeds in quintal)	-	-	10.66	85	
Umaria	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	
Umaria	Seedling Production (Number of activity as number of seedlings in numbers)	-	-	-	-	
Umaria	Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	
Umaria	Other Bio- products Rhizobium, PSB, Azoto BGA Vermi compost	-	-	35000 pkt 100 kg 6240 kg		
Umaria	Live stock products	-	-	-	-	
Umaria	SAC Meeting	2	30	1	15	
Umaria	Newsletters (no.)	4	2000	4	2000	
Umaria	Publication (Research papers, popular article)	2	1000	2	1000	
Umaria	Convergence programmes / Sponsored programmes	-	-	9	1050	
Umaria	KVK-ATMA Linkage programme (Number of activities)	-	-	3	1000	
Umaria	Outreach of KVK in the District (No. of blocks, no. of villages)	-	-	25	750	
Umaria	Soil sample tested	-	-	1	37	
Umaria	Water sample tested	-	-	-	-	
Umaria	KMA (No. of messages & beneficiaries)	-	-	-	-	

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date 31/03/12)

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)
Umaria	Programme Coordinator	Dr. A.K. Shirvastava	Horticulture	Ph.D.	Horticulture	37400-67000+ GP	40240	24/07/09	Permanent	Gen.
Umaria	Subject Matter Specialist1	Dr. Aashutosh Sharma	Agroforestry	Ph.D. NET	Agroforestry	15600-39100+ GP	21260	25/01/07	Permanent	Gen.
Umaria	Subject Matter Specialist2	Shri K. Sahare	Ext. Education	M.Sc., NET	Ext. Education	-do-	18320	5/05/07	Permanent	Sc
Umaria	Subject Matter Specialist3	Dr. B. K. Tiwari	Agronomy	Ph.D., NET	Agronomy	-do-	21260	2/07/07	Permanent	Gen.
Umaria	Subject Matter Specialist4	Dr. R.R. Singh	LPM	Ph.D.	LPM	-do-	15600	13/10/11	-	-
Umaria	Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
Umaria	Subject Matter Specialist6	-	-	-	-	-	-	-	-	-
Umaria	Programme Assistant	-	-	-	-	-	-	-	-	-
Umaria	Farm Manager	-	-	-	-	-	-	-	-	-
Umaria	Computer Programmer	-	-	-	-	-	-	-	-	-
Umaria	Accountant / superintendent	-	-	-	-	-	-	-	-	-
Umaria	Stenographer	-	-	-	-	-	-	-	-	-
Umaria	Driver	Shri R.K. Vishwakarma		12th passed		5200-20200 + GP 1900	6400	10/07/08	Permanent	OBC
Umaria	Driver	Shri S.K. Vaishya		12th Passed		5200-20200 + GP 1900	6400	11/07/08	Permanent	SC
Umaria	Supporting staff	-	-	-	-	-	-	-	-	-
Umaria	Supporting staff	-	-	-	-	-	-	-	-	-

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

### 1.1 Major farming systems/enterprises (based on the analysis made by the KVK scientist)

S. No	Farming system/enterprise
1	Agriculture
2	Agriculture + Dairy
3	Collection of MFP
4	Landless labour
5	Wood cut and carry system
6	Coal mining labour
7	Forest
8	Forest based industry

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

S. No	Agro-climatic Zone	Characteristics
1	Zone -II Northern Hill zone of Chhattisgarh	Medium and deep, loamy, red and yellow soils with medium available water content (AWC), undulating terrain results in excessive run off during heavy rainfall and moisture stress at later stages of crops growth. Soils are low to medium in N and P and medium in K. they are deficient in Zn.
S. No	Agro ecological situation (AES)	Characteristics
1	Zone- X Southern plateau and hills region	Characterized by undulating topography, denuded hills, plateau, river valleys, high lands of the Eastern Ghats and wide basins of Chattisgarh. The annual rainfall varies from 100-180 cm. the predominant soil groups are mixed red and black, red and yellow, red sandy, laterite, black and alluvial (riverine and coastal)

**AES I Kharif crop- rabi fallow-** Rainfed area, 51 % area of the district, major crops are kodo, urd, til and upland paddy and arhar in heavy soil area

**AES II Kharif fallow- rabi crop-** Rainfed area, 17% area of the district. Major crops are linseed, lentil, pea, wheat.

**AES III Kharif crop- rabi crop-** Rainfed area, 17% area of the district. Major crops are Maize, rai, paddy early-linseed/lentil

**AES IV Kharif crop- rabi crop-** irrigated area, 15% area of the district. Major crops are Paddy-wheat

### 2.3 SOIL TYPE

S. No	Soil type	Characteristics	Area in ha
1	<b>Light</b>	Sandy soils, light textured soil, low in organic matter content, excessive runoff losses in undulating terrain areas.	117086
2	<b>Medium</b>	Red + yellow mix, medium textured soil, laterite soil,	225164
3	<b>Heavy</b>	Red + black mix, soil average in Organic matter content, disruption in roots due to cracking during moisture stress condition	108079

#### 2.4. Area, Production and Productivity of major crop cultivated in the district-

S. No.	Crops	Area (ha)	Production (thousand ton)	Productivity
<b>a.</b>	<b>Cereal crop -</b>			
	<b>Kharif</b>			
	Paddy	44000	41.8	950
	Maize	10600	7.6	720
	Sorghum	700	0.6	840
	Kodo-kutki	18800	5.3	280
	<b>Rabi</b>			
	Wheat	26200	33.3	1270
	Barley	400	0.3	751
	<b>Total Cereals -</b>	<b>100700</b>	<b>88.9</b>	<b>--</b>
<b>b.</b>	<b>Pulse -</b>			
	<b>Kharif</b>			
	Pigeon pea	5100	2.9	560
	Black gram	3000	0.8	264
	Green grams	10	-	280
	<b>Rabi</b>			
	Gram	5900	4.8	810
	Pea	1400	1.0	680
	Lentil	5300	3.7	630
	<b>Total Pulses -</b>	<b>21310</b>	<b>13.2</b>	
<b>c.</b>	<b>Oilseed -</b>			
	<b>Kharif</b>			
	Sesame	2400	0.4	170
	Niger	2000	0.9	130
	Soybean	50	0.02	344
	<b>Rabi</b>			
	Mustard/Rai	7500	2.6	350
	Linseed	3700	1.1	296
	<b>Total oilseed -</b>	<b>15650</b>	<b>5.02</b>	

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Indigenous</i>	<b>417071</b>	-	-
<b>Buffalo</b>	<b>83421</b>	-	-
<b>Sheep</b>			
<i>Indigenous</i>	<b>8232</b>	-	-
<b>Goats</b>	<b>85600</b>	-	-
<b>Pigs</b>	<b>5641</b>	-	-
<b>Poultry</b>			
Hens <i>Desi</i>	<b>31484</b>	-	-

### 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)
Umaria	Dogargawa & Kohka	2011	Karkeli	20 Km		315

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

KVK Name	THRUST AREA
Umaria	Varietal Diversification- Availability of quality seed through seed production technology and Seed replacement.
Umaria	Technological diversification
Umaria	Crop diversification
Umaria	Rainwater and irrigation management
Umaria	Integrated nutrient management
Umaria	Integrated pest management
Umaria	Promotion of organic farming along with balanced nutrition.
Umaria	Strengthen of linkage between farmer's and extension system
Umaria	Farm mechanization and drudgery reduction
Umaria	Development of rural entrepreneurship for income and employment generation like Bee Keeping and mushroom cultivation
Umaria	Increasing productivity of vegetables
Umaria	Integrated livestock management
Umaria	Nutritional security at household level and Development of nutritional garden

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

<b>KVK Name</b>	<b>Problem identified</b>	<b>Methods of problem identification</b>
<b>Umaria</b>	Lack of agro technical knowledge,	PRA, Group discussion
<b>Umaria</b>	Low seed replacement rate,	PRA, Group discussion
<b>Umaria</b>	Traditional method of cropping,	PRA, Group discussion
<b>Umaria</b>	No use of improved farm implements,	PRA, Group discussion
<b>Umaria</b>	Mono cropping,	PRA, Group discussion
<b>Umaria</b>	No knowledge of shaded cropping technology,	PRA, Group discussion
<b>Umaria</b>	Lack of awareness about improved milch animals and their feeding habits,	PRA, Group discussion
<b>Umaria</b>	No knowledge of disease and insect pest management,	PRA, Group discussion
<b>Umaria</b>	No knowledge about women drudgery reduction and their lean period utilization	PRA, Group discussion
<b>Umaria</b>	No knowledge about soil test basis cropping system	PRA, Group discussion
<b>Umaria</b>	No knowledge about poultry, fish and goatery management,	PRA, Group discussion
<b>Umaria</b>	Lack of awareness about soil and water conservation measures	PRA, Group discussion

## 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	
Umaria	2011-12	Kharif 2011-12	Assessment	IPM	Brinjal	Rainfed, semi-irrigated	Assessment on Management of fruit & shoot borer in brinjal	06	13.5	4	38415	47050	Recommended for large scale testing
Umaria	2011-12	Kharif 2011-12	Assessment	Resource conservation	Lac	Rainfed	Assessment of group approach through farmer interest group of Lac grower.	02	400 Rs/ q wood	6000 Rs/q brood lac	300 Rs/ q	4000 Rs/ q brood lac	Recommended for large scale testing
Umaria	2011-12	Kharif 2011-12	Assessment	Varietal	Pigeon pea	Rainfed	Assessment of Pigeon pea variety TJT-501.	8	6.25 q/ha	8.22 q/ha	8330	13504	Recommended due to high yield and short duration also escape from frost.
Umaria	2011-12	Kharif-2011-12	Assessment	INM	Paddy	Rainfed	Assessment of integrated nutrient management in Paddy Variety Danteswari	8	34.9	52.8	18076	34323	Recommended due to high yield and short duration.
Umaria	2011-12	Kharif 2011-12	Assessment	Backyard cultivation	Poultry	Rainfed	Assessment of dual purpose coloured birds (Krishna J) in backyard system of poultry production.	5	0.8 kg/ at 4 month	1.25 kg/ at 4 month	150 Rs/kg	305 Rs/kg	Recommended for large scale testing
Umaria	2011-12	Kharif 2011-12	Assessment	Crop diversification	Kharif onion	Rainfed, semi-irrigated	Assessment of nursery management of kharif onion	6	-	65 %	-	-	Due to high rains, survival reduced
Umaria	2011-12	Kharif 2011-12	Assessment	Live stock	Cows	-	Assessment of mineral mixture in lactating buffaloes	5	2.5 L/day	3.0L/day	40 Rs /day	50 Rs /day	Recommended for large scale testing
Umaria	2011-12	Kharif 2011-12	Assessment	Varietal	Okra	Rainfed, semi-irrigated	Assessment of okra variety PA-4	6	15.08	19.08	45240	57240	Recommended for large scale testing
Umaria	2011-12	Rabi 2011-12	Assessment	NRM	Tomato value addition	Rainfed, semi-irrigated	Assessment of income enhancement through value addition of tomato	2	5 Rs/kg	200 Rs/kg dry	2.5 Rs./kg	100 Rs./kg	Recommended for large scale testing and market availability
Umaria	2011-12	Rabi 2011-12	Assessment	IPM	Gram	Rainfed	Assessment of Integrated pest management in Gram	8	8.85 q/ha	11.66 q/ha	11208	15376	Recommended for large scale testing
Umaria	2011-12	Rabi 2011-12	Assessment	Weed management	Wheat	Rainfed	Assessment of Sulfosalfuron for weed control in wheat	8	27.6 q/ha	37.6 q/ha	18521	29834	Recommended for large scale testing
Umaria	2011-12	Rabi 11-	Assessment	Varietal	tomato	Irrigated	Assessment of variety kashi Vishesh of	6	175.8	251.32	36915	74060	Recommended for

		12					tomato.		3q/ha	q/ha			large scale testing
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## 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 <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Umaria	Assessment on Management of fruit & shoot borer in brinjal	Per cent	4	13.5	37500	39000	-	75915	86050	-	38415	47050	-	2.02	2.20	-
Umaria	Assessment of group approach through farmer interest group of Lac grower.	Adoption %	50 %	Nil	Nil	2000 Rs for 100 kg brood lac prod.	-	400 Rs/q	6000 Rs/q brood lac	-	300 Rs/q	4000 Rs/q brood lac	-	4	3	-
Umaria	Assessment of Pigeon pea variety TJT-501.	Qtl./ha	8.22	6.25	11670	12800	-	20000	26304	-	8330	13504	-	1.71	2.05	-
Umaria	Assessment of integrated nutrient management in Paddy Variety Danteswari	Qtl./ha	52.8	34.9	19547	22027	-	37625	56350	-	18076	34323	-	1.92	2.55	-
Umaria	Assessment of dual purpose coloured birds (Jabalpur DwikajiJ) in backyard system of poultry production.	Body wt.	1.25 kg/ at 4 month	0.8 kg/ at 4 month	100 Rs for 4 months	100 Rs for 4 months	-	250 Rs/kg bird	405 Rs/kg bird	-	150 Rs/kg	305 Rs/kg	-	2.5	4.05	-
Umaria	Assessment of nursery management of kharif onion	Survival %	65 %	NIL	-	540 Rs/farmer	-	-	-	-	-	-	-	-	-	-
Umaria	Assessment of mineral mixture in lactating buffaloes	Milk yield	3 litre milk in 2 <sup>nd</sup> month	Nil	25 Rs. In 2 <sup>nd</sup> month	30 Rs.in 2 <sup>nd</sup> month	-	50 Rs/animal	60Rs/animal	-	-	-	-	-	-	-

Umara	Assessment of okra variety PA-4	Qtls/ha	19.08	15.08	3173 3	3770 7	-	6032 0	95400	-	28587	57693	-	1.90	2.53	-
Umara	Assessment of income enhancement through value addition of tomato	In progress	5 Rs/kg	200 Rs/k g dry	2.5 Rs./ kg	100 Rs./ kg		5 Rs/k g	200 Rs/kg dry		2.5 Rs/kg	100 Rs./k g				
Umara	Assessment of Integrated pest management in Gram	Qtls/ha	11.66	8.85	1180 2	1494 0	-	2301 0	30316	-	11208	15376	-	1.94	2.02	-
Umara	Assessment of Sulfosalfuron for weed control in wheat	Qtls/ha	37.6	27.6	1647 9	1766 1	-	3312 0	47495	-	18521	29834	-	2.12	2.68	-
Umara	Assessment of variety kashi Vishesh of tomato.	No.	18.5	17	5100 0	5160 0	-	8791 5	12566 0	-	36915	74060	-	1.72	2.43	-

## 2.3 Feedback from KVK to Research System:

Name of KVK	Feedback
Umara	Heavy rains have affected the performance of field crops to some extent. As compare to local varieties, the performances of improved technologies are impressive. Final feedback can be given after yield analysis of all the experiments.

## 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
Umara	Paddy	IWM	Pre-emergence application of pyrazosulfuron @ 20 g a.i./ha at 0-5 DAT	Personal contact, Group meeting, Kisan mela. KMS, Training & News paper, News letter etc.	5	3000	500
Umara	Paddy	IWM	Post-emergence application of fenoxaprop-p-ethyl @ 80 g a.i./ha at 30 DAS	Personal contact, Group meeting, Kisan mela. KMS, Training & News paper, News letter etc.	6	1500	150
Umara	Sesame	ICM	Introd. of high yielding TKG-306 sesame variety with full package of practice for maximizing production	Personal contact, Group meeting, Kisan mela. KMS, Training & News paper, News letter etc.	6	300	75
Umara	Black gram	ICM	Introduction of high yielding JU-86 Black gram variety with full package of practice for maximizing production	Personal contact, Group meeting, Kisan mela. KMS, Training & News paper, News letter etc.	7	100	25

Umaraia	Aonla	ICM	Transplanting of grafted aonla (Kanchan, Chakaiya & NA-7) in low productive mono cropped area	Group meeting, Kisan mela, In service training and farmers training	3	50	07
Umaraia	Eucalyptus	ICM	Transplanting of clonal eucalyptus (OPM-52) in low productive mono cropped area	Group meeting, Kisan mela, Personal contact, In service training and farmers training	3	50	20
Umaraia	Wheat	IWM	Demon. of Metsulfuron methyl @ 4-6 gm a.i./ha 30 DAS for control of broad leaved weeds in wheat	Group meeting, Kisan mela, Personal contact, In service training and farmers training	6	300	75
Umaraia	Wheat	IWM	Demon. of Clodinofof @ 60 gm a.i./ha 25-30 DAS for control of narrow leaved weeds in wheat	Group meeting, Kisan mela, Personal contact, In service training and farmers training	6	250	50
Umaraia	Linseed	IPM	Demonstration of linseed on plant protection.	Group meeting, Kisan mela, Personal contact, In service training and farmers training	4	100	35
Umaraia	Gram	ICM	Introduction of high yielding JG-11 gram variety with full package of practice for maximizing production	Group meeting, Kisan mela, Personal contact, In service training and farmers training	4	150	50
Umaraia	Sesame	ICM	Demonstration of intercropping of kharif agriculture crop-Sesame (JTS-8) in newly established plantation	Group meeting, Kisan mela, Personal contact, In service training and farmers training	4	50	25
Umaraia	Safflower	ICM	Demonstration the spiney variety (JSF-1) Safflower as border crop for protection of wild animal and cattle.	Group meeting, Kisan mela, Personal contact, In service training and farmers training	3	20	30
Umaraia	Irrigation management	IFS	Demonstration of pitcher method of irrigation in rainfed plantation	Group meeting, Kisan mela, Personal contact, In service training and farmers training	4	15	20
Umaraia	Lac	IFS	Demonstration of brood lac inoculation in palash plant	Group meeting, Kisan mela, Personal contact, In service training and farmers training	4	10	15

### 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/ Technology / Entreprize	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Umaraia	Varietal	Paddy	Kharif 2011	Demonstration of variety MTU-1081 of paddy through SRI system	3.2	MTU-1081	57.2	41.0	39.5	1	2	6	1	10
Umaraia	Varietal	Pigeon pea	Kharif 2011	Demonstration of hybrid ICPH-2671OF pigeon pea.	3.2	ICPH-2671	8.99	6.94	29.5	0	5	2	3	10
Umaraia	Varietal	Kodo millet	Kharif 2011	Demonstration of variety JK-48 of Kodo millet.	3.0	JK-48	8.65	5.29	63.5	1	3	4	0	8
Umaraia	Varietal	Little millet	Kharif 2011	Demonstration of variety JK-8 of little millet.	2.0	JK-8	6.33	4.36	45	1	3	1	0	5

Umaria	Varietal	Ginger	Kharif 2011	Demonstration of nutrient management in ginger variety Suprabha	2.0	INM	184.6	165.1	12	2	2	-	2	6
Umaria	Varietal	Aonla	Kharif 2011-12	Demonstration of Aonla variety NA-7.	2.4	NA-7	In Progress	In Progress	In Progress	2	2	-	2	6
Umaria	Component	Black gram	Kharif-11	Demonstration of variety PU-35 under full package	5.0	PU-35	5.5	3.81	44.35	4	6	-	3	13
Umaria	Component	Sesame	Kharif-11	Demonstration of variety-TKG-22under full package	5.0	TKG-22	5.85	3.31	76.73	3	4	-	6	13
Umaria	Varietal	potato	Rabi 2011	Demonstration of variety Chipsona 1 of potato.	1	Chipsona-1	15.58	14.14	10.2	0	1	5	0	6
Umaria	Varietal	Brinjal	Rabi 2011	Demonstration of variety Pusa Uttam of Brinjal.	.4	Pusa Uttam	175.5	168	4	6	0	0	0	6
Umaria	Varietal	Wheat	Rabi 2011-12	Demonstration of variety MP-4010 of Wheat under late sown condition.	2.4	MP-4010	34.5	26.6	29.6	0	3	2	1	6
Umaria	Varietal	Mustard	Rabi 2011-12	Demonstration of HYV Pusa Tarak of Mustard	3.2	Pusa Tarak	9.86	7.13	38.28	1	4	2	1	8
Umaria	Varietal	Gram	Rabi 2011-12	Demonstration of HYV JAKI-9218 of gram.	2.4	JAKI-9218	12.53	9.3	34.7	0	1	3	2	6
Umaria	Varietal	Gram	Rabi 2011-12	Demonstration of JG-16 of Gram in rainfed conditions	5.0	JG-16	11.49	7.45	54.22	0	5	0	8	13
Umaria	Varietal	Linseed	Rabi 2011-12	Demonstration of variety JLS-9 under full package in linseed	5.0	JLS-9	7.32	4.06	80.29	0	7	0	6	13

### 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
Umaria	Paddy	Demonstration of variety MTU-1081 of paddy through SRI system	Qtl./ha.	57.2	41.0	20562	19547	61000	43275	40438	23728	2.96	2.21
Umaria	Pigeon pea	Demonstration of hybrid ICPH-2671OF pigeon pea.	Qtls/ha	9.17	6.93	14399	13266	29344	22176	14945	8910	2.03	1.67
Umaria	Kodo millet	Demonstration of variety JK-48 of Kodo millet.	Qtls/ha	8.65	5.29	6614	5050	12975	7935	6361	2885	1.96	1.57
Umaria	Little millet	Demonstration of variety JK-8 of little millet.	Qtls/ha	6.33	4.36	6000	4800	9495	6540	2885	1740	1.57	1.36

Umaria	Ginger	Demonstration of nutrient management in ginger variety Suprabha	Qtls/ha	18.46	16.51	97600	95000	479960	412750	382360	317750	4.91	4.34
Umaria	Aonla	Demonstration of Aonla variety NA-7.	Qtl./ha.	In Progress									
Umaria	Black gram	Demonstration of variety PU-35 under full package	Qtl./ha.	5.5	3.81	8445	6657	19250	11430	10805	4773	2.27	1.71
Umaria	Sesame	Demonstration of variety-TKG-22 under full package	Qtl./ha.	5.85	3.31	8710	6606	23400	12775	14690	6169	2.68	1.93
Umaria	Potato	Demonstration of variety Chipsona 1 of potato.	Qtl./ha.	15.58	14.14	61000	59000	124640	113120	63640	54120	2.04	1.91
Umaria	Brinjal	Demonstration of variety Pusa Uttam of Brinjal.	Qtl./ha.	175.5	168	39000	37500	87900	75915	48900	11400	2.25	2.02
Umaria	Wheat	Demonstration of variety MP-4010 of Wheat under late sown condition.	Qtl./ha.	34.5	26.6	18046	16479	46950	33790	28904	17311	2.60	2.05
Umaria	Mustard	Demonstration of HYV Pusa Tarak of Mustard	Qtl./ha.	9.86	7.13	12278	10945	26622	19251	14344	8306	2.16	1.75
Umaria	Gram	Demonstration of HYV JAKI-9218 of gram.	Qtl./ha.	12.53	9.3	13419	11802	32578	23250	19159	11448	2.42	1.97
Umaria	Gram	Demonstration of JG-16 of Gram in rainfed conditions	Qtl./ha.	11.49	7.45	11550	9800	27576	16390	16026	6590	2.38	1.67
Umaria	Linseed	Demonstration of variety JLS-9 under full package in linseed	Qtl./ha.	7.32	4.06	8800	6700	19032	10150	10232	3450	2.16	1.51

### 3.4 Feedback of the Farmers

Name of KVK	Feedback
Umaria	Heavy rains have affected the performance of field crops to some extent. As compare to local varieties, the performance of improved varieties is impressive. Final feedback can be given after yield analysis of all the experiments.

### 3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Umaria	Black gram	Field days	2	53	
		Farmers Training	2	46	
		Kisan gosthi	1	13	
Umaria	Sesame	Field days	2	54	
		Farmers Training	1	24	
		Kisan gosthi	1	15	
Umaria	Gram	Field days	1	28	
		Farmers Training	3	59	
Umaria	Linseed	Field days	2	56	
		Farmers Training	3	63	
		Kisan gosthi	1	13	

### 4. Documentation of the need assessment conducted by the KVK for the training programme:- Nil

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
Umaria				
Umaria				
Umaria				
Umaria				

## 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	15	16
Umaria	FW	ONC	AGF	Improved plantation technique for different species	1	1	0	0	0	0	1	0	22	0
Umaria	FW	ONC	CRP	Integrated weed management in field crop	1	1	0	0	1	0	2	0	19	0
Umaria	FW	ONC	AGF	Agro forestry system & Medicinal plantation technique	1	1	0	0	0	0	2	0	20	0
Umaria	FW	ONC	CRP	Paddy production technology through SRI	1	1	0	0	0	0	13	0	11	0
Umaria	FW	ONC	HOS	production technology of spice	1	1	0	0	1	0	3	0	20	0
Umaria	FW	ONC	HOS	management of Kharif Onion	1	1	0	0	1	0	2	0	22	0
Umaria	FW	ONC	HOS	Crop production of Ginger crop with maintenance of old Orchard	1	1	0	0	0	0	2	0	0	21
Umaria	FW	OFC	OTH	On entrepreneurship development for rural youth	1	1	0	0	2	0	14	0	5	0
Umaria	FW	OFC	CRP	technique for improve crop production	1	1	0	0	0	0	12	0	13	0
Umaria	FW	OFC	CRP	production technology of Oil seed crop	1	1	0	0	1	0	9	0	4	0
Umaria	FW	OFC	CRP	production technology of Pulse crop	1	1	0	0	19	1	0	0	0	0
Umaria	FW	OFC	CBD	On entrepreneurship development for rural poor	1	1	0	0	0	0	9	0	16	0
Umaria	FW	OFC	CBD	Importance of BIG in agriculture	1	1	0	0	0	0	16	0	7	0
Umaria	FW	OFC	CBD	Social capital mobilization	1	1	0	0	0	0	12	0	5	0
Umaria	FW	OFC	CBD	Group formation for Lac Grover	1	1	0	0	0	0	14	2	5	0
Umaria	FW	OFC	AGF	IFS in Anola plantation	1	1	0	0	1	0	15	2	2	0
Umaria	FW	OFC	CRP	Weed management in kharif crop	1	1	0	0	0	0	12	1	11	1
Umaria	FW	OFC	AGF	Plantation technique in Kharif Crop	1	1	0	0	0	0	11	0	10	5

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	15	16
Umaria	FW	OFC	CBD	On entrepreneurship development for rural youth	1	1	0	0	1	0	6	0	8	0
Umaria	FW	OFC	CBD	Importance of BIG in agriculture field	1	1	0	0	6	0	12	0	12	0
Umaria	FW	OFC	CRP	SRI system of paddy production	1	1	0	0	2	0	11	0	6	0
Umaria	FW	OFC	CRP	Production technology of Kharif Crop	1	1	0	0	0	0	8	0	8	0
Umaria	FW	OFC	HOS	Nutrient management in Ginger	1	1	0	0	1	0	7	1	9	0
Umaria	FW	OFC	PLP	IDM in paddy	1	1	0	0	5	0	1	0	9	0
Umaria	FW	OFC	CBD	Different information sources in rural poor	1	1	0	0	0	1	15	0	5	2
Umaria	FW	OFC	OTH	Vermicompost production technology	1	1	0	0	2	0	1	2	15	5
Umaria	FW	OFC	PLP	IDM in Black gram	1	1	0	0	0	0	9	0	7	0
Umaria	FW	OFC	PLP	IPM in Soyabean crop	1	1	0	0	0	0	9	2	10	0
Umaria	FW	OFC	AGF	Inter cropping of black gram in Anola	1	1	0	0	0	0	21	0	5	0
Umaria	FW	OFC	CRP	Production technology of pulse crop	1	1	0	0	0	0	9	0	8	0
Umaria	FW	OFC	CBD	Social capital mobilization	1	1	0	0	0	0	4	21	0	0
Umaria	FW	OFC	CBD	Nursery management of young plant	1	1	0	0	0	0	24	0	10	0
Umaria	FW	OFC	OTH	Water conservation technique	2	2	0	0	0	0	10	8	0	0
Umaria	FW	OFC	CBD	Training on FIG	1	1	0	0	0	0	16	0	5	
Umaria	FW	OFC	CRP	Utera Cultivation of line seed	1	1	0	0	1	0	5	0	16	0
Umaria	FW	OFC	CRP	Production technical of pulses	1	1	0	0	0	0	13	4	5	0
Umaria	FW	OFC	HOV	Tomato cultivation technology	1	1	0	0	0	0	13	0	7	0
Umaria	FW	OFC	PLP	Plant protection technique in Rabi crop	1	1	0	0	0	0	9	0	10	0
Umaria	FW	OFC	CRP	Utera Cultivation of line seed crop	1	1	0	0	0	0	19	0	3	0
Umaria	FW	OFC	PLP	IPM in GRAM	1	1	0	0	0	0	12	0	8	0
Umaria	FW	OFC	CRP	Production technology of wheat	1	1	0	0	0	0	12	1	10	0
Umaria	FW	OFC	AGF	Intercropping of rabi crop	1	1	0	0	0	0	13	0	7	0
Umaria	FW	OFC	CBD	Enter premiership development in rural poor	1	1	0	0	0	0	12	0	8	0
Umaria	FW	OFC	CBD	Training on group dynamic	1	1	0	0	0	0	12	3	0	0

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	15	16
Umaria	FW	OFC	CRP	INM in wheat	1	1	0	0	0	0	14	0	7	0
Umaria	FW	OFC	LPM	Feeding & management of poultry	1	1	0	0	0	0	7	3	5	1
Umaria	FW	OFC	CBD	Training on Enter premiership development for ruler poor	1	1	0	0	0	0	12	8	2	0
Umaria	FW	OFC	CRP	Integrated weed management on wheat	1	1	0	0	0	0	12	0	7	0
Umaria	FW	OFC	CBD	Training on Enter premiership development	1	1	0	0	0	0	1	0	24	0
Umaria	FW	OFC	CBD	Training of group formation	1	1	0	0	0	0	11	2	4	0
Umaria	FW	OFC	PLP	IDM in plantation	1	1	0	0	0	0	13	0	5	0
Umaria	FW	OFC	AGF	Maintenance of old arched	1	1	0	0	0	0	9	0	8	0
Umaria	FW	OFC	CBD	Leader ship development	1	1	0	0	8	0	0	0	13	0
Umaria	FW	OFC	LPM	Care & management of midch animal	1	1	0	0	0	0	2	0	16	4
Umaria	FW	OFC	PLP	IPM in mustard	1	1	0	0	0	0	1	1	18	0
Umaria	RW	ONC	SFM	Vocational training on warmi compost technique	3	3	0	0	0	0	4	8	0	1
Umaria	RW	ONC	SFM	Vocational training on warmi compost technique	1	1	0	0	0	0	7	12	1	0
Umaria	RW	ONC	WOE	Income Generating activities of farm women	1	1	0	0	0	0	0	20	0	0
Umaria	RW	ONC	PLP	Training of rural youth on lac cultivation	2	2	0	0	0	0	16	1	8	0
Umaria	RW	ONC	HOF	Training on nursery management	2	2	0	0	0	0	13	0	2	0
Umaria	RW	ONC	LPM	Vocational training on LPM	3	3	0	0	0	0	7	0	18	0
Umaria	IS	ONC	CRP	Package of practices of agriculture crop	1	1	0	0	2	0	1	3	11	0
Umaria	IS	ONC	CBD	Information technology application in agriculture	1	1	0	0	2	3	2	0	8	0
Umaria	IS	ONC	CRP	Productivity enhancement of field crop	1	1	0	0	2	0	3	0	12	0
Umaria	IS	ONC	AGF	Plantation/vegetable cultivation technology and other aspects	1	1	0	0	2	0	3	0	5	0
Umaria	FW	OFC	HOF	One day training of food processing at dist. level	1	1	0	0	4	0	12	18	126	0
Umaria	FW	OFC	CRP	Seed village training on SRI system of paddy production	1	1	0	0	1	0	23	3	25	0
Umaria	FW	OFC	CRP	Seed village training on IWM on	1	1	0	0	0	0	42	2	8	0

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	15	16
				Paddy										
Umaria	FW	OFC	PLP	Training on PLP	1	1	4	0	1	0	5	0	14	0
Umaria	FW	OFC	HOF	On PLP & Horticulture	1	1	9	0	6	0	0	0	10	0
Umaria	FW	OFC	HOF	Horticulture	1	1	0	0	0	0	11	0	15	0
Umaria	FW	OFC	HOF	Horticulture	1	1	3	0	0	0	4	0	21	0
Umaria	FW	OFC	AEG	Unnat krashi yantra	1	1	0	0	0	0	13	0	12	0
Umaria	FW	OFC	PLP	Plant protection technique	1	1	0	0	0	0	10	0	1	0
Umaria	FW	OFC	HOT	Potato cultivation technology	1	1	0	0	0	0	17	6	1	1
Umaria	FW	OFC	CRP	Seed village on paddy Danteswari	1	1	0	0	1	0	31	5	16	0
Umaria	FW	OFC	CRP	Training on crop production technology	1	1	0	0	0	0	6	5	12	2
Umaria	FW	OFC	CRP	Package & practices of Rabi crop	1	1	0	0	0	0	14	5	2	0
Umaria	FW	OFC	CRP	Wheat production technology	1	1	0	0	0	0	5	5	33	7
Umaria	FW	OFC	CRP	Package & practices of wheat under semi irrigation conduction seed village	1	1	0	0	0	0	24	2	25	0
Umaria	FW	OFC	CRP	Weed management of rabi crop	1	1	0	0	0	0	0	0	13	16
Umaria	FW	OFC	CRP	IWM in Wheat	1	1	0	0	0	0	26	11	10	3
Umaria	FW	OFC	HOV	Plant protection measures in kharif crop	1	1	0	0	0	0	15	0	6	0
Umaria	FW	OFC	CRP	IPM on rabi crop	1	1	0	0	0	0	15	0	20	0
Umaria	FW	OFC	AGF	Processing methods of forest produce	1	1	0	0	8	0	7	0	20	0
Umaria	FW	OFC	CRP	Kharif fashlon ka suraksha prabandhan	1	2	31	0	0	0	0	0	19	0
Umaria	FW	OFC	CRP	Kharif fashlon ka suraksha prabandhan	1	2	21	0	0	0	14	0	16	0
Umaria	FW	OFC	CRP	Rabi fashlon ka suraksha prabandhan	1	2	15	0	1	0	0	0	34	9
Umaria	FW	OFC	CRP	Rabi fashlon ka suraksha prabandhan	1	2	16	0	2	0	0	0	30	0

Table5.2. 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
Umaria	Vermi compost Production technology	Enterprise	Entrepreneurship	3	0	0	4	8	0	1
Umaria	Vermi compost Production technology	Enterprise	Entrepreneurship	2	7	12	0	0	1	0
Umaria	Income Generating activities of farm women	Enterprise	Entrepreneurship	1	0	0	0	20	0	0
Umaria	Training of rural youth on lac cultivation	Enterprise	Entrepreneurship	2	0	0	16	1	8	0
Umaria	Training on nursery management	Enterprise	Entrepreneurship	2	0	0	13	0	2	0
Umaria	Vocational training on LPM	Enterprise	Entrepreneurship	3	0	0	7	0	18	0

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs : - Nil

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/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		
Umaria	One day training of food processing at dist. level	HOF	-	FW	1	1	126	0	4	0	12	18	Sadmap	Not received
Umaria	Seed village training on SRI system of paddy production	CRP		FW	1	1	25	0	1	0	23	3	Govt. of India	
Umaria	Seed village training on IWM on Paddy	CRP		FW	1	1	8	0	0	0	42	2	Agriculture department	Fund not received
Umaria	Training on PLP	PLP		FW	1	1	14	0	1	0	5	0	Agriculture department	Fund not received
Umaria	On PLP & Horticulture	HOF		FW	1	1	10	0	6	0	0	0	Agriculture department	Fund not received
Umaria	Horticulture	HOF		FW	1	1	15	0	0	0	11	0	Agriculture department	Fund not received
Umaria	Horticulture	HOF		FW	1	1	21	0	0	0	4	0	Agriculture department	Fund not received
Umaria	Unnat krashi yantra	AEG		FW	1	1	12	0	0	0	13	0	Agriculture department	Fund not received
Umaria	Plant protection technique	PLP		FW	1	1	1	0	0	0	10	0	Agriculture department	Fund not received

Umaria	Potato cultivation technology	HOT		FW	1	1	1	1	0	0	17	6	Agriculture department	Fund not received
Umaria	Seed village on paddy Danteswari	CRP		FW	1	1	16	0	1	0	31	5	Govt. of India	Fund not received
Umaria	Training on crop production technology	CRP		FW	1	1	12	2	0	0	6	5	Agriculture department	Fund not received
Umaria	Package & practices of Rabi crop	CRP		FW	1	1	2	0	0	0	14	5	Agriculture department	Fund not received
Umaria	Wheat production technology	CRP		FW	1	1	33	7	0	0	5	5	Govt. of India	Fund not received
Umaria	Package & practices of wheat under semi irrigation conduction seed village	CRP		FW	1	1	25	0	0	0	24	2	Govt. of India	Fund not received
Umaria	Weed management of rabi crop	CRP		FW	1	1	13	1	0	0	0	0	Agriculture department	Fund not received
Umaria	IWM in Wheat	CRP		FW	1	1	10	3	0	0	26	11	Govt. of India	Fund not received
Umaria	Plant protection measures in kharif crop	HOV		FW	1	1	6	0	0	0	15	0	Horticulture deptt	Fund not received
Umaria	IPM on rabi crop	CRP		FW	1	1	20	0	0	0	15	0	Agriculture department	Fund not received
Umaria	Processing methods of forest produce	AGF		FW	1	1	20	0	8	0	7	0	Forest deptt	Fund not received

**Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members:- Nil**

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		
Umaria														
Umaria														

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

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	

## 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			
Umaria	Field Day	8	8	113	1	172	33	-	-	To Motivation	As per situation	Vegetative growth pod formation
Umaria	Kisan Mela	2	2	592	17	171	106	34	5	To aware and extension	As per situation	0
Umaria	Kisan Ghosthi	8	7	53	-	50	-	-	-	To aware and extension	As per situation	0
Umaria	Exhibition	-	-	-	-	-	-	-	-	0	0	0
Umaria	Film Show	3	3	64	13	215	55	-	-	To develop interest	As per situation	
Umaria	Method Demonstrations	-	-	-	-	-	-	-	-	0	0	0
Umaria	Farmers Seminar	-	-	-	-	-	-	-	-	0	0	0
Umaria	Workshop	-	-	-	-	-	-	-	-	0	0	0
Umaria	Group meetings	0	1	11	-	6	-	-	-	Group formation	0	0
Umaria	Lectures delivered as resource persons	20	20	416	44	276	42	-	-	As per situation	According to project	0
Umaria	Newspaper coverage	10	20	Mass	Mass	Mass	Mass	Mas s	Mas s	As per situation	As per situation	0
Umaria	Radio talks	4	4	Mass	Mass	Mass	Mass	Mass	Mass	As per situation	As per situation	0
Umaria	TV talks	0	0	0	0	0	0	0	0	0	0	0
Umaria	Popular articles	5	0	0	0	0	0	0	0	0	0	0
Umaria	Extension Literature	5	1	Mass	Mass	Mass	Mass	Mass	Mass	0	0	0
Umaria	Farm advisory Services	30	60	45	0	15	0	-	-	0	0	0
Umaria	Scientific visit to farmers field	30	121	170	20	300	22	-	-	As per situation	As per situation	0
Umaria	Farmers visit to KVK	1	3	9	0	85	0	0	0	As per situation	As per situation	0
Umaria	Diagnostic visits	1	2	10	0	7	0	5	0	As per situation	As per situation	0
Umaria	Exposure visits	0	0	0	0	0	0	0	0	0	0	0
Umaria	Ex-trainees Sammelan	1	1	0	0	8	7	00	0	To follow-up	0	0
Umaria	Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Umaria	Animal Health Camp	1	-	-	-	-	-	-	-	treatment	FMD	

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			
Umaria	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Umaria	Soil test campaigns	1	1	17	-	18	2	-	-	To demo	As per situation	0
Umaria	Farm Science Club conveners meet	0	0	0	0	0	0	0	0	0	0	0
Umaria	Self Help Group conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Umaria	Mahila Mandals conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Umaria	Celebration of important days	2	3	34	16	63	17	-	-	As per situation	As per situation	0

## 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
Umaria	1/04/08	Quarterly	500	500

### 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
Umaria	Newsletter	Bandhavgarh krishi Sandesh No. 11	KV Sahare, AK Shrivastav, BK Tiwari, A. Sharma	500
Umaria	Newsletter	Bandhavgarh krishi Sandesh No. 12	KV Sahare, AK Shrivastav, BK Tiwari, A. Sharma	500
Umaria	Newsletter	Bandhavgarh krishi Sandesh No. 13	KV Sahare, AK Shrivastav, BK Tiwari, A. Sharma	500
Umaria	Newsletter	Bandhavgarh krishi Sandesh No. 14	KV Sahare, AK Shrivastav, BK Tiwari, A. Sharma	500
Umaria	Year planner	KVK Umaria Year Planner 2011-12	KV Sahare, AK Shrivastav, BK Tiwari, A. Sharma	500
Umaria	Folder	Sarso ki utpadan takneek	AK Singh, AK Shrivastav,	500
Umaria	Folder	Vindhya chetro ki pramukh rabi fasale	AK Shrivastav, KV Sahare, BK Tiwari, A. Sharma	250

### 7.3 Details of Electronic Media Produced:- Nil

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

## 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
Umaria	Oil seed	Sesame	TKG -22	SD	Qtl	0.26	3120	13
Umaria	Oil seed	Linseed	JLS-9	SD	Qtl	1.00	4200	13
Umaria	Oil seed	Mustard	Pusatark	SD	Qtl	0.16	1088	8
Umaria	Pulses	Black gram	PU-35	SD	Qtl	1.00	6000	13
Umaria	pulses	Gram	JG-16	SD	Qtl	3.9	11310	13
Umaria	Pulses	Gram	JAKI-9218	SD	Qtl	1.20	7000	6
Umaria	Cereals	Paddy	Dhanteshwri	SD	Qtl	7.5	28350	150
Umaria	Cereals	Paddy	MTU-1081	SD	Qtl	0.20	756	06
Umaria	Cereals	Wheat	MP-4010	SD	Qtl	2.4	4800	6
Umaria	Spice	Onion	AFDR	SD	Qtl	0.04	2720	06
Umaria	Pulse	Pigeon pea	ICPH-2671	SD	Qtl	0.32	3840	06
Umaria	Pulse	Pigeon pea	TJT -501	SD	Qtl	0.24	960	06
Umaria	Fruits	Aonla	NA-7	PM	Nos	400	12000	06

### 8.2 Planting Material production:-

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	
Umaria	Vegetables	Onion	July 11	-	-	ADFR	Seedlings	2000	-	-	
Umaria	Fruit plant	Custard apple	July 11	-	-	Local	Seedlings	200	-	-	
Umaria	Fruit plant	Jamun	July 11	-	-	Local	Seedlings	200	-	-	
Umaria	Fruit plant	Mango	July 11	-	-	Local	Seedlings	200	-	-	
Umaria	Forest plant	Neem	July 11	-	-			100	-	-	
Umaria	Fruit plant	Imli	July 11	-	-			200	-	-	

### 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) :-

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Umaria	<b>BIOAGENTS</b>				
Umaria	<b>BIOFERTILIZERS</b>				
Umaria	Rhizobium	8000 pkt		<b>80000</b>	
Umaria	PSB	20000 pkt		<b>240000</b>	
Umaria	Azotobacter	7000 pkt		<b>70000</b>	
Umaria	BGA soil based	100 kg		<b>1000</b>	
Umaria	Vermicompost	2300 kg		<b>6900</b>	
Umaria	<b>BIO PESTICIDES</b>				

### 8.4 Livestock and fisheries production:- Nil

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

## 9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : NO

Year of establishment :

### 9.1 Details of soil & water samples analyzed so far :Nil

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Umaria					
Umaria					

## 10. Rainwater Harvesting

### Training programmes conducted by using Rainwater Harvesting Demonstration Unit:- Nil

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
Umaria										
Umaria										
Umaria										

## 11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) :Not available

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)
Umaria							

## 12. Utilization of Staff Quarters facilities:- Not available

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

## 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Umaria	20/05/11	15	<ol style="list-style-type: none"> <li>To Promotion of short duration variety.</li> <li>To promotion of line sowing.</li> <li>To increase the seed replacement rate of the distt.</li> <li>To prepare the seed society.</li> </ol>

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Umaria	Nil			

### 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
Umaria	ATMA	0	0	0	0	0
Umaria	MNREGA	0	0	0	0	0
Umaria	NHM	0	0	0	0	0
Umaria	RKVY	0	0	0	0	0
Umaria	DRDA	0	0	0	0	0
Umaria	Zila Panchyat	0	0	0	0	0
Umaria	Seed village	Govt. of India	81750	Demonstration & Farmers training	Selected village of the distt	
Umaria	Climate Change	0	0	0	0	0

### 16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Umaria	30114275226	428740	273603	273603

### 17. Awards & Recognitions: Nil

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

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

### सफलता की कहानी

मैं कृषक सफरअली पिता श्री इस्हाक मोहम्मद ग्राम बरही ब्लॉक करकेली पोस्ट बरही का निवासी हूँ। मेरा गाँव जिला मुख्यालय से 20 किलो मीटर की दूरी पर स्थित है। मेरे पास लगभग डेढ़ एकड़ जमीन है उस जमीन में मैं गेहूँ व धान की खेती करता था और थोड़ी जगह में सब्जी भी रबी की मौसम में लगाता था। जिसका उपयोग मैं अपने घर परिवार में खाने के उद्देश्य से करता था वर्ष 09-10 में किसान मेले में मेरा सम्पर्क कृषि विज्ञान केन्द्र के वैज्ञानिकों से हुआ वहाँ के वैज्ञानिकों ने मुझे खरीफ मौसम में प्याज की खेती करने की सलाह दी। लेकिन मुझे मालुम नहीं था कि खरीफ में भी प्याज की खेती हो सकती है चुकि मैं रबी मौसम में प्याज की खेती कुछ क्षेत्र में करता था व उसको बाजार में तीन रुपये से लेकर पाँच रुपये प्रति किलो की दर से बेचता था। जिससे मुझे अधिक लाभ नहीं मिल पाता था।

कृषि विज्ञान केन्द्र के वैज्ञानिकों के अनुसार मैंने प्रयोगिक तौर पर वर्ष 2010 खरीफ में वैज्ञानिकों के कहने पर बरसात में प्याज की खेती करने के लिए तैयार हुआ उनके अनुसार मैंने खरीफ ऋतु में प्याज प्रजाति ए.डी.आर. की नर्सरी डाली जो कि रवि मौसम से बिलकुल अलग थी। नर्सरी बनाने के लिए उन्होंने मुझे जमीन के स्तर से 15 सेमी. उँची बनाने के लिए कहा व उसमें अच्छी सड़ी गोबर खाद डालने के लिए कहा व नर्सरी ऐसी जगह बनाने के लिए कहा जहाँ कि वर्षा का पानी इकट्ठा न हो नर्सरी में प्याज के बीज कतार से डालने के बाद उस पर न घास पैरा या अरहर पेड डंठल से ढकने को कहा और उसमें आवश्यकता अनुसार 3-4 दिन में पानी छिड़कने के लिए कहा मैंने नर्सरी डालने के एक माह बाद प्याज को प्रायोगिक तौर पर मैंने एकड़ के पच्चीसवें हिस्से में ही प्याज की पौध की रोपाई की और जलनिकास की उचित व्यवस्था किया।

मेरे खेत से प्याज उस समय निकलने लगी जब कि प्याज का बाजार मूल्य 25-40 रुपये /किलो के बीच था व प्याज का हरा साग 10-15 रुपये प्रति किलो था मैंने प्याज फसल के पकते तक डेढ़ से दो क्विंटल हरी प्याज की साग बेचा जिससे कि मुझे 1500 रुपये प्राप्त हुए और प्याज का उत्पादन 2.5 क्विंटल एकड़ के पच्चीसवें हिस्से में हुआ जिससे मुझे खरीफ मौसम में खरीफ प्याज की खेती करने से 7500 रुपये की आमदनी एकड़ के पच्चीसवें हिस्से में हुई। अब मैं हर वर्ष खरीफ के मौसम में प्याज की खेती करूँगा। क्योंकि बरसात में प्याज का मूल्य अधिक होने से लाभ अधिक मिलता है खरीफ प्याज की खेती कराने का श्रेय कृषि विज्ञान केन्द्र उमरिया को देता हूँ।

## 19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)	
Umaria	Crop Cafeteria	Paddy (12)	Danteswari , PS-5, MTU-1010, IR-64, Karahani, Sahbha , P-2511 , JGL -3844 , RASI , MAS -26, CR-2728-5-1 , REWA - 1103
		Sesame (5)	JTS-8, JTS-55, TKG-21, TKG-22, TKG-306
		Black gram (8)	PU-35, IPU-94-1, LBG-20, T-9 , PU -3 , KU – 300, TU-98, TAS -054-2
		Green gram (6)	JM-72, Pusa Vishal, TJM-03, Ganga-8, TJM-37, HUM-1
		Kodo millet (4)	JK-136, JK-439, JK-155, JK-13
		Little millet (2)	JK-8, RLM-36
		Pigeon pea (3)	TJT-501, ICPL-85063, ICPH-2671
		Niger (1)	JNC-6
		Okra (2)	VRO-6 & PA-4
		Kharif onion (1)	AFDR-1
<b>Umaria</b>	Technology Desk	Lac cultivation on palash and ber, Disease based medicinal exhibition, Eucalyptus based intercropping model, Multi storey demonstration of Aonla, Papaya, pigeon pea & Turmeric. Aonla based intercropping module. Teak intercropping model, Mango high density orchard, Guava based meadow orchard	
<b>Umaria</b>	Visitors Gallery	Lac cultivation on palash and ber, Disease based medicinal exhibition , Eucalyptus based intercropping model, Multi storey demonstration of Aonla, Papaya, pigeon pea & Turmeric. Aonla based intercropping module. NADEP, Teak intercropping model, Mango high density orchard, Guava based meadow orchard, Vermi compost production unit,	
<b>Umaria</b>	Technology Exhibition	SRI system, SRI marker, Lac cultivation in Palash and Ber	
<b>Umaria</b>	Technology Gate-Valve	Dabroha farm of KVK Umaria- Guava based meadow orchard- Mango high density orchard,- Aonla based intercropping module- Vermi compost production unit- NADEP - Eucalyptus based intercropping model- Multi storey demonstration of Aonla, Papaya, pigeon pea & Turmeric- Crop Cafeteria etc.	

## 20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Umaria	Dr. D.K Pahalwan, Asstt. Comptroller, JNKVV, Jabalpur	20-05-2011	To attend SAC meeting
Umaria	Dr. S.K. Rao, Director Farm and Dean COA Rewa, JNKVV, Jabalpur	10-07-2011	KVK and KVK farm visit
Umaria	Dr. S. K. Tripathi	19/10/11	RAWE monitoring
Umaria	Dr. M.R. Dhingra	19/10/11	RAWE monitoring
Umaria	Hon'ble Vice Chancellor Prof. Goutam Kalloo	19/11/11	KVK visit
Umaria	Dr. D. Sharma (P C K V K Jabalpur)	19/11/11	KVK visit

## 21. Status of KVK Website: Available:- kvkumariazpdvii.org.in

## 22. E-CONNECTIVITY:- Nil

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			
Umaria							

## 23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS:- Nil

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Umaria				

## 24. INTERVENTIONS ON DROUGHT MITIGATION:-

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Umaria	Paddy variety-JRH-8, MTU-1081 and PS-3 Pigeon pea ICPH 2671, Sesame JTS-8, Aonla NA-7, Gram JG-11, Linseed JLS-27 etc.	141.8 ha	500

### Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
Umaria	Oilseeds	5	13
Umaria	Pulses	6.2	21
Umaria	Cereals	3.4	12
Umaria	Vegetable crops	0.1	6

Umaria	Tuber crops	0	0
Umaria	Fruits	2.4	6
Umaria	Spices	0.5	6
Umaria	Cotton	0	0
	<b>Total</b>	<b>17.6</b>	<b>64</b>

#### Farmers-scientists interaction on livestock management: Nil

Name of KVK	Livestock components	Number of interactions	No.of participants
Umaria	Dairy Management		
Umaria	Disease management		
Umaria	Feed and fodder technology		
Umaria	Poultry management		

#### Animal health camps organized: Nil

Name of KVK	Number of camps	No.of animals	No.of farmers
Umaria			

#### Seed distribution in drought hit states: Nil

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

#### Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Umaria	Aonla NA_7	400	2.4	8

#### Bio-control Agents: Nil

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

#### (e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Umaria	Rhizobium pigeon pea	1.5	2.4	6
Umaria	Rhizobium soybean	0	0	0
Umaria	Rhizobium black gram	3.25	5	13
Umaria	Rhizobium gram	0	0	0
Umaria	PSB			
Umaria	Azotobacter			
Umaria	BGA soil based			

#### (f) Vermes Produced: Nil

Name of KVK	Vermes Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Umaria	Vermicompost	62.40	40	30

**(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
Umaria			

**(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
Umaria	33	718	4	87	3	74	0	0	0	0	1	27

25. **Status of KVK Website:** Already having website/under construction  
If available, please provide the address of website: [kvkumariazpdvii.org.in](http://kvkumariazpdvii.org.in)
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) –**