

**FORMAT  
FOR  
ANNUAL PROGRESS REPORT OF  
THE KVKs  
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**
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- 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, Kawar dha	OFTs	07	20/300	06	16/1136	
KVK, Kawar dha	FLDs – Oilseeds (activity in ha)	10	18	05	11	
KVK, Kawar dha	FLDs – Pulses (activity in ha)	10	21	10	23	
KVK, Kawar dha	FLDs – Cotton (activity in ha)					
KVK, Kawar dha	FLDs – Other than Oilseed and pulse crops(activity in ha)			05	12	
KVK, Kawar dha	FLDs – Other than Crops (activity in no. of Unit/Enter prise)					
KVK, Kawar dha	Training-Farmers and farm women	56	1251	30	530	
KVK, Kawar dha	Training-Rural youths	03	64	04	89	
KVK, Kawar dha	Training- Extension functionaries	02	37	02	90	
KVK, Kawar dha	Extension Activities	111	929	12	1441	
KVK, Kawar dha	Seed Production (Number of activity as seeds in quintal)			230		425000
KVK, Kawar dha	Planting material ((Number of activity as quantity of planting material in quintal)					
KVK, Kawar dha	Seedling Production (Number of activity as number of seedlings in numbers)					
KVK, Kawar dha	Sapling Production (Number of activity as number of sapling in numbers)					
KVK, Kawar dha	Other Bio- products					
KVK, Kawar dha	Live stock products					
KVK, Kawar dha	SAC Meeting (Date & no. of core/official members	01	25	27, April, 2010	35	
KVK, Kawar dha	Newsletters (no.)	04	4000	01	1000	
KVK, Kawar dha	Publication (Research papers, popular article)	04	4000	01, 03	1000	
KVK, Kawar dha	Convergence programmes / Sponsored programmes	08	320	06	181	
KVK, Kawar dha	KVK-ATMA Linkage programme (Number of activities)					
KVK, Kawar dha	Outreach of KVK in the District (No. of blocks, no. of villages)	04	1013	04	75	
KVK, Kawar dha	Soil sample tested					
KVK, Kawar dha	Water sample tested					
KVK, Kawar dha	KMA (No. of messages & beneficiaries)			42320	1136	

# 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, Kawardha	Programme Coordinator	Dr. S. P. Singh	Soil Science	Ph. D.	Soil Chemistry	15600-39100 + 8000 AGP	31890	01.04.09	Temporary (On Probation)	Others
KVK, Kawardha	Subject Matter Specialist1	Shri T. D. Sahu	Soil Science	M. Sc.	Soil Fertility	15600-39100 + 6000 AGP	21600	25.10.07	Temporary (On Probation)	OBC
KVK, Kawardha	Subject Matter Specialist2	Dr. S. P. Sharma	Horticulture	Ph. D.	Pomology	15600-39100 + 6000 AGP	24840	25.03.09	Temporary (On Probation)	Others
KVK, Kawardha	Subject Matter Specialist3	Dr. N. Sarang	Fisheries	Ph. D.	Limnology	15600-39100 + 6000 AGP	24840	28.03.09	Temporary (On Probation)	Others
KVK, Kawardha	Subject Matter Specialist4	Vacant								
KVK, Kawardha	Subject Matter Specialist5	Vacant								
KVK, Kawardha	Subject Matter Specialist6	Vacant								
KVK, Kawardha	Programme Assistant	Vacant								
KVK, Kawardha	Farm Manager	Vacant								
KVK, Kawardha	Computer Programmer	Vacant								
KVK, Kawardha	Accountant/ superintendent	Shri A. K. Tiwari		M. A.		5200 – 20000	13500	28.07.10	Permanent	Others
KVK, Kawardha	Stenographer	Vacant								
KVK, Kawardha	Driver	Vacant								
KVK, Kawardha	Driver	Vacant								
KVK, Kawardha	Supporting staff (Messenger)	Smt. Jamuna Bai		Primary		2550 - 3200	2550	16.09.08	Temporary (On Probation)	OBC
KVK, Kawardha	Supporting staff (Watchman)	Shri Shiv Kumar Lodhi		Primary		2550 - 3200	2550	16.09.08	Temporary (On Probation)	OBC

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

<b>Sr. No.</b>	<b>Particulars</b>	<b>Quantity/Area</b>
1.	Geographic Area	4.44 lac ha
2.	Rainfall	850.70 mm
3.	Forest Area	1.63 lac ha
4.	Double Cropped Area	0.75 lac ha
5.	<i>Kharif</i> Area	1.64 lac ha
6.	<i>Rabi</i> Area	0.95 lac ha
7.	Total Cultivated Area	2.59 lac ha
8.	Net Cultivated Area	1.85 lac ha
9.	Cropping Intensity	140 %
10.	Barren Land	1.84 lac ha
11.	Cultivable fallow land	0.027 lac ha
12.	Pasture lands	0.28 lac ha
13.	Kharif Irrigated Area	0.39 lac ha
14.	Rabi Irrigated Area	0.30 lac ha
15.	Net Irrigated Area	0.69 lac ha

### 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, Kawardha	Dharampura	2010-11	Kawardha	12 km	2395	680

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

KVK Name	THRUST AREA
KVK, Kawardha	Varietal replacement in various crops
KVK, Kawardha	Insect-pest, disease and weed management in critical crops and at critical growth stages
KVK, Kawardha	Balanced use of fertilizers, Integrated plant nutrient management system
KVK, Kawardha	Crop diversification in upland soils
KVK, Kawardha	Adoption of soil and water conservation measures
KVK, Kawardha	Value addition

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

KVK Name	Problem identified	Methods of problem identification
KVK, Kawardha	Lack of awareness of improved agricultural technologies	Through PRA tools and discussion with the group of farmer, farm women and rural youth
KVK, Kawardha	Non-availability of quality seeds of suitable HYVs	
KVK, Kawardha	Lack of suitable agricultural implements for seeding of crops	
KVK, Kawardha	Lack of proper agricultural infrastructures including irrigation	
KVK, Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	
KVK, Kawardha	Improper use of fertilizer and chemicals High incidence of pests and diseases	
KVK, Kawardha	Non availability of inputs in time	
KVK, Kawardha	Less knowledge about post harvest handling of agriculture produce	

## 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) Grain/Seed//Fruit yield (q/ha)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
KVK, Kawardha	Kharif, 2010	Yield loss due to infestation of stem borer at tillering stage and panicle initiation stage	Assessment	Integrated Pest Management	Rice	Rain fed, lowland	Assessment of control of stem borer in Rice	04	41.87	52.34	24628	37876	Crbofuran 3G@ 3kg/0.1 ha in nursery, Cartap Hydrochloride @ 15 kg/ha at tillering, Triazophos @ 2ml/l of water 10 days before panicle initiation
KVK, Kawardha	Kharif, 2010	low yield due to imbalanced fertilizer application and lack of knowledge about BGA	Assessment	Integrated Nutrient Management	Rice	Rain fed, lowland	Assessment of BGA culture in rice productivity	04	44.93	49.92	29252	35277	BGA application @ 10kg/ha
KVK, Kawardha	Kharif 2010	Seedlings are severely affected by insects and diseases due to improper	Assessment	Integrated Crop Management	Tomato	Irrigated midland	Assessment of nursery management in tomato	04	278	336	174505	211230	Seed treatment with <i>Trichoderma Viride</i> @5gm/kg seed and nursery

		management of nursery leading to low yield of vegetables											bed 1 kg/100 sq.m., Herbicide pendimethiline @ 100ml/0.1 ha, nylon net, Imidochloprid @ 0.5 ml/lof water+Ridomill before transplanting
KVK, Kawardha	Kharif 2010	Low efficiency of existing rural information delivery system	Assessment	Resource Conservation Technology			Assessment of information technology through Kisan Mobile Sandesh (KMS)	100					
KVK, Kawardha	Rabi 2010-11	low yield due to use of local pea varieties	Assessment	Varietal Evaluation	Pea	Irrigated midland	Assessment of HYV of Pea	04	11.4	17.6	13150	24420	Use of High Yielding Variety of Pea (KPMR - 400)
KVK, Kawardha	Rabi 2010-11	Low efficiency of existing rural information delivery system	Assessment	Resource Conservation Technology			Assessment of information technology through Kisan Mobile Sandesh (KMS)	200					

## 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> )
KVK, Kawardha	Assessment of control of stem borer in Rice	Grain Yield (q/ha)	52.34	41.87	26872	26502		51500	64378		24628	37876		1.91	2.42	
KVK, Kawardha	Assessment of BGA culture in rice productivity	Grain Yield (q/ha)	49.92	44.93	26012	26125		55264	61402		29252	35277		2.12	2.35	
KVK, Kawardha	Assessment of nursery management in tomato	Fruit Yield (q/ha)	336	278	47895	57570		222400	268800		174505	211230		4.64	4.67	
KVK, Kawardha	Assessment of information technology through Kisan Mobile Sandesh (KMS)															
KVK, Kawardha	Assessment of HYV of Pea (KPMR- 400)	Seed Yield (q/ha)	17.6	11.4	15350	19580		28500	44000		13150	24420		1.87	2.25	
KVK, Kawardha	Assessment of information technology through Kisan Mobile Sandesh (KMS)															

## 2.3 Feedback from KVK to Research System

Name of KVK	Feedback
KVK, Kawardha	<p>Rainfall in the district is low so low water requiring crops of oilseed, pulses and cereals are to be developed.</p> <p>Soybean is severely attacked by tobacco caterpillar, varieties resistant to the same need to be developed</p> <p>Low productivity of milch animals is found so Introduction &amp; promotion of improved breeds of animals for milk purpose.</p> <p>Low productivity and inferior quality of fruits and vegetables are there so introduction of high yielding improved varieties of fruits and vegetables is required.</p> <p>Cultivation of low yielding varieties of sugarcane which are susceptible to pest and disease is observed in the area so Good scope for increasing sugarcane productivity through use of high yielding and resistant varieties as there is lone sugarcane factory in the district.</p> <p>There is lack of suitable Agricultural implements for seeding hence introduction of low cost Agricultural implements is required</p>

### 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, Kawardha	Niger (JNC-6)	Varietal Evaluation	High Yielding Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	5	68	136
KVK, Kawardha	Gram (Vaibhav)	Varietal Evaluation	High Yielding Variety, seed treatment	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	15	153	459
KVK, Kawardha	Linseed (Kartik)	Varietal Evaluation	High Yielding Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	6	75	203
KVK, Kawardha	Soybean (JS 93-05)	Varietal Evaluation	High Yielding Variety, seed treatment	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	21	315	1260
KVK, Kawardha	Red Gram (Rajiv Lochan)	Varietal Evaluation	High Yielding Variety, seed treatment	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	12	133	399
KVK, Kawardha	Gram (JG-74)	Varietal Evaluation	High Yielding Variety, seed treatment	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	17	170	595
KVK, Kawardha	Linseed (Kartik)	Varietal Evaluation	High Yielding Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	8	93	120

### 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/Tech nology/Entrep rizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
KVK, Kawardha	Integrated Nutrient Management	Soybean	Kharif , 2010	Balanced use of fertilizers, Treatment with fungicide & Rhizobium culture in soybean (JS 93-05)	5	N:P:K 20:60:20 Kg/ha, (JS-93-05)	19.61	12.40	36.77	00	00	11	00	11
KVK, Kawardha	Varietal Evaluation	Red Gram	Kharif , 2010	Improved variety	5	Asha	10.50	7.58	27.81	00	00	11	00	11
KVK, Kawardha	Varietal Evaluation	Gram	Rabi 2010-11	Improved variety	5	Vishal	16.18	10.50	35.11	00	00	12	00	12
KVK, Kawardha	Varietal Evaluation	Wheat	Rabi 2010-11	Improved variety	5	GW- 273	39.85	28.76	27.83	00	00	11	01	12

### 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, Kawardha	Soybean	Balanced use of fertilizers, Treatment with fungicide & Rhizobium culture in soybean (JS 93-05)	Seed Yield (q/ha)	19.61	12.40	15250	11300	43142	27280	27892	15980	2.83	2.41
KVK, Kawardha	Arhar	Improved variety	Seed Yield (q/ha)	10.50	7.58	13950	10250	40204	28804	26254	18554	2.88	2.81
KVK, Kawardha	Gram	Improved variety	Seed Yield (q/ha)	16.18	10.50	13360	10080	33978	22050	20618	11970	2.54	2.18
KVK, Kawardha	Wheat	Improved variety	Grain Yield (q/ha)	34.85	24.76	15600	12750	41820	29712	26220	16962	2.68	2..33

## Feedback of the Farmers

Name of KVK	Feedback
KVK, Kawardha	<p>Varieties gave good yields and they may be spread to other villages.</p> <p>Seeds of these varieties should be made available through C.G.Rajya Beej Evam Krishi Vikas Nigam Lt.d, Kawardha</p> <p>Balanced use of fertilizers decreases the cost of cultivation.</p> <p>Attack of tobacco caterpillar is lower in JS-93-05 as compared to the varieties grown in this area.</p> <p>Proper time and method of fertilizer application has help them save the fertilizer and from attack of insects pest</p> <p>Field visit of scientist of KVK, help them in identification of the insect or disease infestation and also give knowledge about their control measures.</p>

### 3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
KVK, Kawardha	Soybean	Field days	1	32	
		Farmers Training	4	63	
		Media coverage	2	150	
		Training for extension functionaries			
KVK, Kawardha	Red gram	Field days	1	26	
		Farmers Training	2	24	
		Media coverage	1	75	
		Training for extension functionaries			
KVK, Kawardha	Gram	Field days	1	27	
		Farmers Training	2	31	
		Media coverage	1	65	
		Training for extension functionaries			
KVK, Kawardha	Wheat	Field days	1	33	
		Farmers Training	2	25	
		Media coverage	1	58	
		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, Kawardha	Farmers & Farm women	Field visits, Group discussion with the farmers	14.04.2010, Manikpur, 26.06.2010, Daujari, 15.09.2010, Navghata, 11.12.2010, Khapari	27,46,15,16 respectively
KVK, Kawardha	Rural Youth	Discussion with youths in village	31.05.2010, Kawardha	16
KVK, Kawardha	In-service Personnel	Discussion with extension personnel in the meetings	30.06.2010, Kawardha	12

#### 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
<b>Thematic Areas for Training</b>	
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, Kawardha	IS	ONC	PLP	Protection of oilseed and pulse crops from insects and diseases	1	1	15	1	13	3	12	1	4	1
KVK, Kawardha	FW	OFC	CRP	Management of weed in rice	1	1	02	00	08	03	03	00	02	00
KVK, Kawardha	FW	OFC	CRP	Diversification of upland crops	1	1	05	00	03	00	07	00	03	00
KVK, Kawardha	FW	OFC	CRP	Water management in wheat crop	1	1	01	00	03	00	08	00	02	00
KVK, Kawardha	FW	OFC	CRP	Seed production of soybean	1	1	05	00	00	00	00	00	07	00
KVK, Kawardha	FW	OFC	CRP	Management of nursery of rice	1	1	02	00	06	00	12	00	02	00
KVK, Kawardha	FW	OFC	CRP	Integrated crop management	1	1	07	00	03	00	05	00	09	00
KVK, Kawardha	FW	OFC	CRP	Production technique of Soybean	1	1	00	00	04	00	00	00	11	00
KVK, Kawardha	FW	OFC	CRP	Production of Red gram	1	1	00	00	00	00	00	00	16	00
KVK, Kawardha	FW	OFC	CRP	Scientific cultivation of gram	1	1	02	00	00	00	00	00	16	00
KVK, Kawardha	FW	OFC	CRP	Production technique of wheat	1	1	02	00	02	00	05	00	07	00
KVK, Kawardha	FW	OFC	HOV	Management of vegetable nursery	1	1	00	00	08	00	10	00	00	00
KVK, Kawardha	FW	OFC	HOV	Protection of vegetable crops from intense heat and rain	1	1	04	00	01	00	03	00	08	00
KVK, Kawardha	FW	OFC	HOV	Production technique of tomato	1	1	02	00	07	00	00	00	08	00
KVK, Kawardha	FW	OFC	HOF	Training & pruning in fruit crops	1	1	02	00	05	00	08	00	02	00
KVK, Kawardha	FW	OFC	HOF	Layout and management of orchard	1	1	04	00	02	00	00	00	11	00
KVK, Kawardha	FW	OFC	HOF	production technique Banana	1	1	04	00	02	00	06	00	06	00
KVK, Kawardha	FW	OFC	HOF	Use of drips in orchard	1	1	05	00	05	00	02	00	09	00

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, Kawardha	FW	OFC	HOF	production technique of papaya	1	1	00	00	00	00	06	00	10	00
KVK, Kawardha	FW	OFC	HOF	Cultivation of mango	1	1	03	00	00	00	02	00	18	00
KVK, Kawardha	FW	OFC	SFM	Method of soil sampling	1	1	04	00	03	00	05	00	08	00
KVK, Kawardha	FW	OFC	SFM	Testing of soil using soil testing Kit	1	1	02	00	04	00	01	00	10	00
KVK, Kawardha	FW	OFC	SFM	Balanced fertilization in Soybean	1	1	02	00	01	00	00	00	13	00
KVK, Kawardha	FW	OFC	SFM	Foliar spray of urea in crops	1	1	01	00	04	00	01	00	14	00
KVK, Kawardha	FW	OFC	SFM	Balanced fertilization in Gram	1	1	00	00	03	00	01	00	11	00
KVK, Kawardha	FW	OFC	PLP	Integrated pest management in Rice	1	1	03	00	04	00	02	00	04	00
KVK, Kawardha	FW	OFC	PLP	Integrated disease management in Rice	1	1	05	00	01	00	00	00	09	00
KVK, Kawardha	FW	OFC	PLP	Control of insects in Red gram	1	1	02	00	00	00	01	00	17	00
KVK, Kawardha	FW	OFC	PLP	Control of insects in Gram	1	1	01	00	18	00	00	00	00	00
KVK, Kawardha	FW	OFC	FIS	Integrated Fish farming	1	1	00	00	10	00	12	00	00	00
KVK, Kawardha	FW	OFC	FIS	Composite fish culture	1	1	00	00	09	00	08	00	00	00
KVK, Kawardha	RY	OFC	RYH	Seed production of Soybean	1	1	04	00	02	00	01	00	08	00
KVK, Kawardha	RY	OFC	RYH	Commercial production of Papaya	1	1	05	00	00	00	06	00	07	00
KVK, Kawardha	RY	OFC	RYH	Formulation of bio pesticide	1	1	03	00	00	00	02	00	25	00
KVK, Kawardha	RY	OFC	RYH	Technique of soil sampling	1	1	00	00	01	00	01	00	24	00
KVK, Kawardha	IS	OFC	EXP	Integrated Pest management in crops	1	2	03	00	18	00	13	00	06	00

**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, Kawardha	Fruit & vegetable preservation	Squash, Jam, Ketchup, and Pickle Preparation	Value addition for earning more money	01	10	05	04	00	02	01
KVK, Kawardha	Vermiculture, Seed production	Earthworm, Oilseed and Pulse crops	Multiplication of worms to be used for preparation of vermicompost, Seed production of oilseed and pulse crops for earning more income and supply of seeds	02	12	00	10	00	15	00
KVK, Kawardha	Raising and managing nursery of fruit crops	Mango, guava, papaya,	Non availability of improved fruit crops	01	03	00	01	00	12	00
KVK, Kawardha	Methodology of soil sampling for testing of soil	Soil	Imbalanced use of fertilizers	01	04	00	05	00	12	00
KVK, Kawardha										

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

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

**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/RV/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, Kawardha	Cultivation of Paddy	Crop Production	Integrated Crop Management	FW	01	01	12	00	01	00	08	00	ATMA	
KVK, Kawardha	Management of tomato nursery	Horticulture-Vegetable Crops	Nursery Raising	FW	01	01	27	00	12	00	00	00	Dept. of Horticulture	
KVK, Kawardha	Balanced fertilization in wheat crop	Soil Health & Fertility Management	Integrated nutrient management	FW	01	01	00	00	00	00	29	00	Dept. of Ag.	
KVK, Kawardha	management of insects in Gram	Plant Protection	Integrated Pest management	FW	01	01	07	00	01	00	22	00	Dept. of Ag.	
KVK, Kawardha	Management of orchard	Horticulture- Fruit Crops	Layout & management of orchard	FW	01	01	03	00	41	00	00	00	Dept. of Horticulture	
KVK, Kawardha	Seed production of Soybean	Crop Production	Seed Production	FW	01	01	15	00	02	00	01	00	Dept. of Ag.	

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

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		
KVK, Kawardha														

**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, Kawardha	Method of preparation of jam & Jelly	15	25	70					2 person adopted, 70% knowledge increased
KVK, Kawardha	Mushroom Production	39	14	82					15 person adopted, 82 % knowledge increased
KVK, Kawardha	Seed production of Soybean	32	35	86	10	19	22000	41800	200 ha, 22 person adopted, 86 % knowledge increased.
KVK, Kawardha	Vermiculture	26	10	75					3 person adopted, 75 % knowledge increased
KVK, Kawardha	Nursery Management of Horticultural crops	27	35	85					11 person adopted, 85 % knowledge increased

## 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, Kawardha	Field Day	04	04	42	00	72	00	04	00	To tell the farmers & RAEOs about cultivation of crops and management of insects and diseases	Improved technique of cultivating soybean, Redgram, Gram and Wheat and management of insects and pests in respective crops	Early and mid growth stages of the said crops
KVK, Kawardha	Kisan Mela											
KVK, Kawardha	Kisan Ghosthi	04	03	86	04	84	05	03	00	About seasonal problems related to insect/pests & diseases of crops	Integrated management of pest and diseases	Mid season of crop growth
KVK, Kawardha	Exhibition											
KVK, Kawardha	Film Show											
KVK, Kawardha	Method Demonstrations	02	01	25	00	21	00	01	00	Soil sampling	Methodology of soil sampling for testing	Fallow land
KVK, Kawardha	Farmers Seminar											
KVK, Kawardha	Workshop	01	01	00	00	00	00	44	06	To let the extension officials know about biodiversity and measures for protection of crops from insect/pests and diseases	Bio diversity & Plant Protection	December
KVK, Kawardha	Group meetings											
KVK, Kawardha	Lectures delivered as resource persons	00	31	198	05	224	07	31	00	About seasonal problems related to insect/pests & diseases of crops	Integrated management of pest and diseases	Different crop stages
KVK, Kawardha	Newspaper coverage	09	25							Seasonal problems, their remedy and KVK activities		All crop stages
KVK, Kawardha	Radio talks	03	01							To tell the people/farmers about importance of balanced use of fertilizers	Balanced use of fertilizers in crops	
KVK, Kawardha	TV talks											
KVK, Kawardha	Popular articles	02	02							Promotion of Fish production	Machhaliyon ke praktikahar ka utpadan. Chhattisgarh Rajya me Matsya Sansadhan Evam Waigyanik Prabandhan	
KVK, Kawardha	Extension Literature	04	02							To help farmers about tomato cultivation and soil sampling	Tamatar ki unnat kheti, method of soil sampling	
KVK, Kawardha	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			
KVK, Kawardha	Scientific visit to farmers field	15	14	69	00	84	00	03	00	seasonal problems related to insect/pests & diseases of crops		
KVK, Kawardha	Farmers visit to KVK	48	42	123	05	185	00	11	00	to enquire about source & availability of seeds, cultivation practices of crops problems related to insect/pests & diseases of crops		
KVK, Kawardha	Diagnostic visits	00	03	48	02	41	05	03	00	Attack of tobacco caterpillar in soybean		
KVK, Kawardha	Exposure visits											
KVK, Kawardha	Ex-trainees Sammelan											
KVK, Kawardha	Soil health Camp											
KVK, Kawardha	Animal Health Camp											
KVK, Kawardha	Agri mobile clinic											
KVK, Kawardha	Soil test campaigns											
KVK, Kawardha	Farm Science Club conveners meet											
KVK, Kawardha	Self Help Group conveners meetings											
KVK, Kawardha	Mahila Mandals conveners meetings											
KVK, Kawardha	Celebration of important days											

## 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, Kawardha	1 <sup>st</sup> April, 2010	Quarterly	1000	1000

### 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, Kawardha	1 <sup>st</sup> April, 2010, Folders	'Tamatar ki unnat kheti'	500, Dr. S. P. Sharma, Dr. S. P. Singh, Sh. T.D. Sahu	500
KVK, Kawardha	1 <sup>st</sup> April, 2010, Folders	'Mrida namuna Ekattha karane ki Widhi' '	500, Sh. T.D. Sahu, Dr. S. P. Singh, Dr. S. P. Sharma	500
KVK, Kawardha	1 <sup>st</sup> April, 2010, Folders	Machhaliyon ke praktik ahara ka utpadan.	Saugat Sasmal, M. S. Chari, N. Sarang	Published in News Paper
KVK, Kawardha	1 <sup>st</sup> April, 2010, Folders	Chhattisgarh Rajya me Matsya Sansadhan Evam Waigyanik Prabandhan	Dr. N. Sarang, Dr. H. K. Wardiya, Dr. S. P. Singh	Published in Chhattisgarh Kheti

### 7.3 Details of Electronic Media Produced

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

## 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 here 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, Kawardha	Oilseed	Soybean	JS- 335	SD	163.00	Qtl.	315000	Raw seed transferred to C.G. Rajya Beej Evam Krishi Vikas Nigam Ltd. Kawardha
KVK, Kawardha	Pulses	Black gram	TU 94-2	SD	6.25	Qtl.	28000	Raw seed transferred to Incharge, National Seed Project, IGKV, Raipur (C.G.)
KVK, Kawardha		Gram	Vaibhav	SD	67.00	Qtl.	125000	Raw seed transferred to C.G. Rajya Beej Evam Krishi Vikas Nigam Ltd. Kawardha

### 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	
KVK, Kawardha											

### 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	
KVK, Kawardha	BIO AGENTS				
	BIO FERTILIZERS				
	BIO PESTICIDES				

#### 8.4 Livestock and fisheries production

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, Kawardha	Cattle						
	Buffalo						
	Sheep and Goat						
	Poultry						
	Fisheries						
	Others (Specify)						

#### 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 :

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

#### 10. Rainwater Harvesting

##### 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/ST Participants		
					Male	Female	Total	Male	Female	Total
KVK, Kawardha										

### 11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) : Under Construction

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, Kawardha							

### 12. Utilization of Staff Quarters facilities

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

### 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
KVK, Kawardha	27 April, 2010	35	Training on improved cultivation practices of oilseeds, pulses, cereals, & vegetables. Promotion of intercropping of crops against sole cropping. Promotuion of use of organic source of nutrients. Promotion of improved breeds of animals. Training of fish farmers. Promotion of seed treatment before sowing.

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
KVK, Kawardha	42320	1055	81	Related to new varieties of crops, prevention & control of seasonal insect/pests & diseases

#### 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, Kawardha	ATMA					
	MNREGA					
	NHM					
	RKVY					
	DRDA					
	Zila Panchyat					
	Seed village					
	NAIP					
	Climate Change					
	Others (Plz. Specify)					

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

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
KVK, Kawardha	30415695476	63719	148255	146292

#### 17. Awards & Recognitions

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

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

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

### 19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
KVK, Kawardha	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

### 20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
KVK, Kawardha	Dr. M. P. Pandey, Hon'ble V.C., IGKV, Raipur (C.G.)	16, July, 2010	
KVK, Kawardha	Dr. Siyaram Sahu, Hon'ble MLA, Kawardha	13, Decenber,2010	
KVK, Kawardha	Smt. Sima Agam Anant, President Jila Panchayat	13, Decenber,2010	
KVK, Kawardha	Dr. U. S. Gautam, ZPD, Zone -VII	4, March, 2011	

21. Status of KVK Website: Not Available

## 22. E-CONNECTIVITY

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, Kawardha							

## 23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

Major area coverage under alternate crops/varieties

<b>Mane of KVK</b>	<b>Crops</b>	<b>Area (ha)</b>	<b>Number of beneficiaries</b>
KVK, Kawardha	Oilseeds		
KVK, Kawardha	Pulses		
KVK, Kawardha	Cereals		
KVK, Kawardha	Vegetable crops		
KVK, Kawardha	Tuber crops		
KVK, Kawardha	Fruits		
KVK, Kawardha	Spices		
KVK, Kawardha	Cotton		
	<b>Total</b>		

Farmers-scientists interaction on livestock management

<b>Name of KVK</b>	<b>Livestock components</b>	<b>Number of interactions</b>	<b>No.of participants</b>
KVK, Kawardha			

Animal health camps organised

<b>Name of KVK</b>	<b>Number of camps</b>	<b>No.of animals</b>	<b>No.of farmers</b>
KVK, Kawardha			

Seed distribution in drought hit states

<b>Name of KVK</b>	<b>Crops</b>	<b>Quantity (qtl)</b>	<b>Coverage of area (ha)</b>	<b>Number of farmers</b>
KVK, Kawardha				

Seedlings and Saplings distributed

<b>Name of KVK</b>	<b>Crops</b>	<b>Quantity (No.s)</b>	<b>Coverage of area (ha)</b>	<b>Number of farmers</b>

Seedlings				
KVK, Kawardha				

**Bio-control Agents**

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

**(e) Bio-Fertilizer**

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

**(f) Verms Produced**

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

**(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, Kawardha			

**(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, Kawardha												

25. **Status of KVK Website:** under construction

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) –**