

ANNUAL ACTION PLAN



2013-14



**JAWAHAR LAL NEHRU KRISHI VISHWA VIDHYALAYA
KRISHI VIGYAN KENDRA,
TIKAMGARH (M.P.)**

Contents

Sl. No.	Particular	Page No
1	Summary of Action Plan during 1 st April 2013 to 31 st March 2014	02-03
2	General Information	04-03
3	On Farm Testing	10-14
4	Frontline Demonstrations	15-18
5	Feedback System	19
6	Training programmes	20-25
7	Extension Activities	26
8	Production and supply of Technological products	27
9	Activities of Soil and Water Testing Laboratory	28
10	Rainwater Harvesting System	28
11	Kisan Mobile Advisory	29
12	Details of SAC Meeting	29
13	Literature to be Developed/Published	29
14	Convergence with Agricultural Schemes	30
15	Utilization of Farmer Hostel	30
16	Utilization of Staff Quarter	30
17	Details of KVK Agro-technological Park	31-33
18	Outreach of KVK	34
19	Technology Demonstrations under TDHPP/Tribal Sub Plan/QPM	34
20	KVK Ring	34
21	Important visitors to KVK	34
22	Status of KVK Website	34
23	Status of RTI	35
24	E-Connectivity (E- Linkage Lab)	35
25	Details of Technology Week Celebrations	35
26	Interventions on Drought Mitigation	36
27	Other acridities	37-39
28	Status of Revolving Funds	40
29	Awards & Recognitions	40
30	Case study / Success Story	40
31	Well labeled photographs of various activities in JPEG format	40

PERIOD – April 2013 to March, 2014

Summary of the activities

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	
Tikamgarh	OFTs	20	100			
Tikamgarh	FLDs – Oilseeds (activity in ha)	02	10			
Tikamgarh	FLDs – Pulses (activity in ha)	02	10			
Tikamgarh	FLDs – Cotton (activity in ha)	-	-			
Tikamgarh	FLDs – Other than Oilseed and pulse crops(activity in ha)	16	160			
Tikamgarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	04	40			
Tikamgarh	Training-Farmers and farm women	64	1600			
Tikamgarh	Training-Rural youths	06	120			
Tikamgarh	Training- Extension functionaries	01	30			
Tikamgarh	Extension Activities	330	MASS			
Tikamgarh	Seed Production (Number of activity as seeds in quintal)	-	-			
Tikamgarh	Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
Tikamgarh	Seedling Production (Number of activity as number of seedlings in numbers)	85000	-			
Tikamgarh	Sapling Production (Number of activity as number of sapling in numbers)	6000	-			
Tikamgarh	Other Bio- products (No. of quantity)	-				
Tikamgarh	Live stock products	-				
Tikamgarh	Activities of Soil and Water Testing Laboratory	1000	-			
Tikamgarh	Rainwater Harvesting System	07	175			
Tikamgarh	Kisan Mobile Advisory (KVK-KMA)	118				
Tikamgarh	SAC Meeting (Date & no. of core/ official members)	02				
Tikamgarh	Literature to be Developed/Published	04	-			
Tikamgarh	Convergence programmes / Sponsored programmes	18	-			
Tikamgarh	Utilization of Farmers Hostel	-				
Tikamgarh	Utilization of Staff Quarters	04	04			
Tikamgarh	Details of KVK Agro-technological Park	01				
Tikamgarh	Crop Cafeteria-	01	MASS			
Tikamgarh	Farm Innovators- list of 10 farm innovators from the District	-	-			
Tikamgarh	Status of Revolving Funds	-	-			
Tikamgarh	Awards and Recognitions	-	-			
Tikamgarh	Case study / Success Story to be developed	-	-			

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	
Tikamgarh	KVK Progressive Farmers interaction	-				
Tikamgarh	Outreach of KVK in the District (No. of blocks, no. of villages)	35				
Tikamgarh	Technology Demonstration under Tribal Sub Plan	-				
Tikamgarh	KVK Ring	03				
Tikamgarh	Important visitors to KVK	-				
Tikamgarh	Status of KVK Website	-				
Tikamgarh	Status of RTI	-				
Tikamgarh	E-connectivity	-				

1. GENERAL INFORMATION

1.1. Staff position as On 31.03.2013

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)
1	2	3	4	5	6	7	8	9	10	11
Tikamgarh	Programme Coordinator	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Subject Matter Specialist	Sh.B.L.Sahu	Home Science	M.Sc. (Ag)	Food Science & Technology	15600-39100	19050	25.01.2007	Temp	OBC
Tikamgarh	Subject Matter Specialist	Dr.S.S.Gautam	Horticulture	P.h.D.	Vegetable Sc.	15600-39100	22070	31.01.2007	Temp	Others
Tikamgarh	Subject Matter Specialist	Dr.R.K.Prajapati	Plant Protection	P.h.D.	Plant Pathology	15600-39100	22070	01.02.2007	Temp	Others
Tikamgarh	Subject Matter Specialist	Dr.S.K. Khare	LPM	M.V.Sc	Animal Nutrition	15600-39100	19050	05.02.2007	Temp	Others
Tikamgarh	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Programme Assistant	Dr.R.K.Diwedi	Agronomy	P.h.D.	Crop Production	9300-34800	12450	20.04.2007	Temp	Others
Tikamgarh	Farm Manager	-	-	-	-	-	-	-	-	-
Tikamgarh	Computer Programmer	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Accountant / superintendent	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Stenographer	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Driver	Sh. B.K.Litoriya	-	HSC	-	5200-20200	6650	10.07.2008	Temp	Others
Tikamgarh	Driver	Sh. M.L.Chadar	-	HSC	-	5200-20200	6650	10.07.2008	Temp	SC
Tikamgarh	Supporting staff	Sh. A. H. John	-	HS	-	4440-7440	6930	15.03.1999	Temp	OBC
Tikamgarh	Supporting staff	Vacant	-	-	-	-	-	-	-	-

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

1.2.1. Description of Agro-climatic Zone & major agro ecological situations

S. No	Agro-climatic Zone	Characteristics
1	Name	Bundelkhand Zone (VIII – Zone)
2	District covered	Tikamgarh, Chhatarpur, Datia, part of Shivpuri and Guna
3	Topography	0-5% slope with small hillocks
4	Physiography	266 m to 560 m above MSL
5	Annual Rainfall (mm)	1001.1 mm
6	Temperature (Minimum)	4.50 °C (Dec), 30.1 °C (May)
7	Temperature (Maximum)	21.75 °C (Dec), 43.50 °C (May)

S. No	Agro-ecological situation	Characteristics
AES 1	Undulating topography with red soil (Ranker)	Eroded land, less ground water, very low soil depth, poor irrigation potential, crop production + Animal Husbandry + Horticulture. Major Crops – groundnut, black gram, soybean, wheat, pea, mustard, ginger, turmeric, colocasia, papaya and guava
AES 2	Plain to undulating black soil (Kabar / Mar)	Deep to shallow depth, sufficient ground water for irrigation potential for dug well and tube well, crop production + Animal Husbandry + Horticulture. Major Crops – gram, black gram, soybean, wheat, mustard, coriander, mango, citrus, brinjal, tomato and onion
AES 3	Plain to undulating sandy loam (Padua)	Mostly sandy and sandy clay loam, good to poor ground water, topography generally varies from plain to undulating condition. Major Crops – soybean, black gram, sesame, wheat, mustard, brinjal, tomato, onion, coriander, mango, guava and citrus.

1. 2.2. Soil Types :

S. No	Soil type	Characteristics	Area (ha in lac)
1	Padua (Medium Soils)	Soil are light gray in colour, well drained, better suited of all types of crops under irrigated conditions which covered two orders, vertisols and inceptions	0.91 (36%)
2	Kabar/Mar (Heavy Soils)	The soil are black in colour, posses high moisture holding capacity and have integrated of Mont morrilonite, illite and chloride minerals which covered under the order of vertisols.	0.51 (20%)
3	Ranker (Light Soils)	The soils are generally red in colour and very light in textures. These soils are highly deficient in nutrients with very low moisture retaining capacity which covered under order entisols and inceptisols	1.11 (44%)

1.2.3. Area, Production and Productivity of major crops cultivated in the district (2012-13)

KHARIF CROPS				
S. No	Crop	Area(000, ha)	Production (000, tones)	Productivity (kg/ha)
1	Paddy	12.32	12.56	1020
2	Sorghum	2.16	2.79	1295
3	Maize	1.89	2.56	1354
4	Black gram	78.80	71.55	908
5	Moong	6.64	3.70	557
6	Groundnut	20.46	28.71	1402
7	Sesame	30.50	11.75	379
8	Soybean	48.13	66.03	1372
RABI CROPS				
S. No	Crop	Area(000, ha)	Production (000, tones)	Productivity (kg/ha)
1	Wheat	113.20	241.50	2222
2	Barley	10.00	26.70	2676
3	Gram	34.4	49.00	1150
4	Pea	14.40	5.40	376
5	Lentil	5.30	4.40	329
6	Mustard	40.70	21.90	539
FRUITS				
S. No	Crop	Area(000, ha)	Production (000, tones)	Productivity (t/ha)
1	Guava	91.00	3185	35
2	Custard apple	1.00	5.5	5.5
3	Mango	38.00	370.5	9.7
4	Lime	26.00	390.00	15
5	Papaya	7.00	497.00	71
VEGETABLES				
S. No	Crop	Area(000, ha)	Production (000, tones)	Productivity (t/ha)
1	Garden pea	1534.00	10738.0	7.0
2	Potato	312.00	5460.00	17.5
3	Tomato	154.00	2772.00	18.00
4	Colocasia	92.00	1651.00	20.4
5	Brinjal	103.00	2111.00	22.2
6	Onion	98.00	2180.00	22.2
7	Okra	63.00	1039.00	16.4
SPICES				
S. No	Crop	Area(000, ha)	Production (000, tones)	Productivity (t/ha)
1	Ginger	127.00	1524	12
2	Chilli	962.00	7936	8.2
3	Coriander	366.00	366.00	1.00
4	Turmeric	72.00	720.00	10.00
5	Garlic	42.00	29.4	0.7

1.2.4. Production and productivity of livestock, Poultry, Fisheries etc. in the district (2012-13)

Category	Population	Production (mt)	Productivity
CATTLE			
Cow	106339	-	1.43- lit./Animal/day
Buffaloes	92334	-	2.69- lit./Animal/ day
SHEEP & GOAT			
Sheep	59129	-	-
Goat	399303	-	-
POULTRY			
Broiler	11984	-	2.62-/year
Poultry (Hen)	82601	-	51-/year

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2012 to 31.3.2013 (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)
Tikamgarh	Mazghaua	2012-13	Baldevgarh	21 Km	1008	530
Tikamgarh	Baisa	2012-13	Jatara	21 Km	736	235
Tikamgarh	Karmasa Ghat	2012-13	Baldevgarh	20 Km	837	337
Tikamgarh	Bigha	2012-13	Jatara	45 Km	700	145
Tikamgarh	Badamari	2012-13	Tikamgarh	15 Km	1,000	350
Tikamgarh	Kanti	2010-11	Tikamgarh	25 Km	950	155
Tikamgarh	Pahari Tilwaran	2012-13	Tikamgarh	10 Km	1,580	355
Tikamgarh	Surajpur	2012-13	Tikamgarh	14 Km	1,100	245
Tikamgarh	Bhopalpura	2010-11	Prathvipur	60 Km	1,100	246
Tikamgarh	Madiya	2012-13	Prathvipur	65 Km	1,500	850

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

KVK Name	THRUST AREA
Tikamgarh	Soybean - (i) Imbalance dose of fertilizers (ii) Insect Pest incidence (iii) Weed infestation
Tikamgarh	Wheat - (i) Balance dose of fertilizers (ii) Weed management (iii) Water management (iv) Termite management
Tikamgarh	Black gram - Integrated disease management
Tikamgarh	Gram - Integrated pest management
Tikamgarh	Jowar - Introduction of High Yielding varieties
Tikamgarh	Paddy - (i) Replacement of old varieties (ii) Integrated nutrient management (iii) Integrated weed management (iv) Water management
Tikamgarh	Mustard - (i) Integrated nutrient management (ii) Integrated pest management
Tikamgarh	Sesame - (i) Replacement of old varieties and enhancement of seed replacement rate
Tikamgarh	Ginger - (i) Seed replacement (ii) Integrated disease management
Tikamgarh	Chilli - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	Potato - (i) Integrated nutrient management (ii) Integrated pest management (iii) Integrated disease management
Tikamgarh	Tomato - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	Ber - Local varieties, top working and value addition
Tikamgarh	Papaya, Mango and Guava - (i) Value addition (ii) Introduction of New Varieties (iii) Nursery management
Tikamgarh	Live Stock - (i) Disease management (ii) Green Fodder (iii) Breed improvement (iv) Poultry management (v) Goatory management
Tikamgarh	Women in Agriculture – (i) Drudgery (ii) Mal nutrition (iii) Income generation (iv) Value addition
Tikamgarh	Agricultural Engineering – (i) Broad casting (ii) Lack of farm machinery
Tikamgarh	Natural resource management – (i) Unawareness about vermi compost (ii) FYM preparation (iii) Lack of soil & water conservation practices

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Tikamgarh	Low yield of crops	PRA, Survey, joint workshop	All blocks & adopted villages
Tikamgarh	Unavailability of quality seeds/varieties	Survey, SAC meeting	All blocks & adopted villages
Tikamgarh	Indiscriminate use of pesticides	Survey, Interaction with farmers	All blocks & adopted villages
Tikamgarh	Imbalance use of fertilizers	Survey, Low consumption of fertilizers, farmers interaction	All blocks & adopted villages
Tikamgarh	Low yield of vegetables	PRA, Survey, Joint workshop	All blocks & adopted villages
Tikamgarh	Low yield of fruits crops	Farmers meeting, PRA, Meeting with horticultural officials	All blocks & adopted villages
Tikamgarh	Low yield of spices	Group discussion	All blocks & adopted villages
Tikamgarh	Degradation of resources	Land survey and field visit	All blocks & adopted villages
Tikamgarh	Nutritional insecurity ,Low income and high drudgery of farm women	Aganwadi, SAC meeting	All blocks & adopted villages
Tikamgarh	Low income due to lack of value addition	Market survey	All blocks & adopted villages
Tikamgarh	Low efficiency of farm machinery	PRA, Survey	All blocks & adopted villages
Tikamgarh	Low soil fertility	Soil campaign and sample testing report	All blocks & adopted villages
Tikamgarh	Low milk production due to non-descriptive animals	Animal Heath camp, Farmers discussion with farmers, Joint workshop with allied Deptt.	All blocks & adopted villages
Tikamgarh	Low efficiency in information delivery of information technology	Farmers meeting, interaction	All blocks & adopted villages

2. On Farm Testing

2.1 Information about OFT to be conducted (2013-14)

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										T1	T2	T1	T2
Tikamgarh	Kharif 2013	Yield reduction (20%) due to infestation of insect-tobacco caterpillar (affected area 63%)	Assessment	IPM	Soybean	Rainfed	5 ha	05	Assessment of integrated management of tobacco caterpillar in soybean				
Tikamgarh	Kharif 2013	Yield reduction (31%) due to heavy incidence of YMV (affected area 54%)	Assessment	IDM	Black gram	Rainfed	5 ha	05	Assessment of integrated management of YMV in black gram				
Tikamgarh	Kharif 2013	Reduction (30%) in yield due to no use of fertilizer (affected area 70,000 ha)	Assessment	CPM	Sesame	Rainfed	5 ha	05	Assessment of integrated nutrient management in sesame				
Tikamgarh	Kharif 2013	Poor yield (1500kg./ha.) due to old and local varieties (affected area 50,000 ha)	Assessment	CPM	Maize	Rainfed	5 ha	05	Assessment of maize variety JM-216				
Tikamgarh	Kharif 2013	No use of land under Aonla orchard9(Affected area 90 ha.)	Assessment	HOS	Turmeric	Irrigated	1250 sqm	05	Assessment of intercropping of turmeric in Aonla orchard				
Tikamgarh	Kharif 2013	Low yield of tomato in rainy season due to fruit infestation (Affected area 1000 ha.)	Assessment	HOS	Tomato	Irrigated	2500 sqm	05	Assessment of stacking practices in tomato				
Tikamgarh	Kharif 2013	Mastitis losses milk production up to 65%	Assessment	LPM	Dairying	-	-	05	Assessment of vit E and selenium in subclinical mastitis in buffaloes				
Tikamgarh	Kharif 2013	High mortality in poultry during monsoon due to toxicity of feed ingredients	Assessment	LPM	Poultry	-	-	02	Assessment of toxin binder to prevent aflatoxicosis in poultry				
Tikamgarh	Kharif 2013	High mal nutrition (80%) Of farm Women due to unavailability of protein in diet	Assessment	WA	Soybean	Assessment	-	05	Assessment of mal nutrition in Farm women				
Tikamgarh	Kharif 2013	Unawareness about income generation through vermi compost	Assessment	WA	Enterprise	-	-	05	Assessment of vermi compost for income generation of farm women				
Tikamgarh	Rabi 2013-14	Yield reduction (30%) due to heavy aphid infestation in mustard (affected area 75%)	Assessment	IPM	Mustard	Rainfed	5 ha	05	Assessment of integrated management of aphid in mustard				
Tikamgarh	Rabi 2013-14	Reduction (32%) in yield due to heavy incidence of pod borer (affected area 30,000 ha)	Assessment	IPM	Chickpea	Rainfed	5 ha	05	Assessment of integrated management of pod borer in chickpea				

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										T1	T2	T1	T2
Tikamgarh	Rabi 2013-14	Low yield of mustard due to no use of sulfur and balance dose of fertilizer (affected area 90,000 ha)	Assessment	CPM	Mustard	Rainfed	5 ha	05	Assessment of integrated plant Nutrient management in mustard				
Tikamgarh	Rabi 2013-14	Low yield in irrigated wheat due to weed infestation (affected area 50,000 ha)	Assessment	CPM	Wheat	Irrigated	5 ha	05	Assessment of metsulfuron + sulfosulfuron @ 32g. a.i/ha for the weed control in wheat.				
Tikamgarh	Rabi 2013-14	Low yield of chilly due to use of old and O.P. var(Affected area 3100 ha.)	Assessment	HOS	Chilly	Irrigated	2500 sqm	05	Assessment of chilly variety US-515				
Tikamgarh	Rabi 2013-14	Low yield of cabbage due to use of old and O.P. var(Affected area 150 ha.)	Assessment	HOS	Chilly	Irrigated	2500 sqm	05	Assessment of cabbage variety - Hament				
Tikamgarh	Rabi 2013-14	Protein deficiency lead to milk production	Assessment	LPM	Dairying	-	-	05	Assessment of bypass protein in lactating cows.				
Tikamgarh	Rabi 2013-14	Low productivity of non descript goat	Assessment	LPM	Goatry	-	-	03	Assessment of upgradation of nondescript goat with Jamunapari				
Tikamgarh	Rabi 2013-14	Unawareness about income generation through value addition	Assessment	WA	Income generation	-	-	05	Assessment of value addition in fruit and vegetables				
Tikamgarh	Rabi 2013-14	Low income generation for farm women through local vegetables production	Assessment	WA	Income generation	-	-	05	Assessment of income generation for farm women through Hy. vegetables production				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of integrated management of tobacco caterpillar in soybean		
Assessment of integrated management of YMV in black gram		
Assessment of integrated Nutrient management in sesame		
Assessment of maize variety JM-216		
Assessment of intercropping of turmeric in aonla orchard		
Assessment of Stacking practices in tomato		
Assessment of vit E and selenium in subclinical mastitis in buffaloes		
Assessment of toxin binder to prevent aflatoxicosis in poultry		
Assessment of mal nutrition in farm women		
Assessment of vermi compost for income generation of farm women		
Assessment of integrated management of aphid in mustard		
Assessment of integrated management of pod borer in chickpea		
Assessment of integrated plant Nutrient management in mustard		
Assessment of metsulfuron + sulfosulfuron @32g. a.i/ha for the weed control in wheat.		
Assessment of chilly variety US-515		
Assessment of cabbage variety - Hament		
Assessment of bypass protein in lactating cows.		
Assessment of upgradation of nondescript goat with Jamunapari		
Assessment of value addition in fruit and vegetables		
Assessment of income generation for farm women through Hy. Vegetables production		

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)	
Tikamgarh	Assessment of integrated management of tobacco caterpillar in soybean	No. of pods/plant															
		Insect infestation (%)															
		Test weight(g)															
		Yield (q/ha)															
Tikamgarh	Assessment of integrated management of YMV in black gram	No. of pods/plant															
		Disease incidence (%)															
		Test weight(g)															
		Yield (q/ha)															
Tikamgarh	Assessment of integrated Nutrient management in sesame	Yield (q/ha)															
		No. of pods/plant															
		Test weight(g)															
Tikamgarh	Assessment of maize variety JM-216	Yield (q/ha)															
		Test weight(g)															
		Assessment of intercropping of turmeric in Aonla orchard	No. of Fingers/ plant														
Tikamgarh	Assessment of Stacking Practices in Tomato	Yield (q/ha).															
		No. of fruits/ plant															
		Weight of fruit (g)															
Tikamgarh	Assessment of vit E and selenium in subclinical mastitis in buffaloes	Yield (q/ha).															
		Decrease in mastitis %															
		Milk yield %															
Tikamgarh	Assessment of toxin binder to prevent aflatoxicosis in poultry	Mortality %															
		Weight gain (g)															
Tikamgarh	Assessment of mal nutrition in farm women	Body weight (kg)															
		Working Efficiency (%)															
		Reduction in mal Nutrition (%0															
Tikamgarh	Assessment of vermi compost for income generation of farm women	Increase income in %															
		Product (Rs.) / Kg															
		Self life days															
Tikamgarh	Assessment of integrated management of aphid in mustard	No. of siliqua/plant															
		No. of grain/siliqua															
		Insect infestation(%)															
		Yield (q/ha)															

Tikamgarh	Assessment of integrated management of pod borer in chickpea	Yield (q/ha)																		
		No. of pod/plant																		
		No. of grain/pod																		
		Test weight(g)																		
Tikamgarh	Assessment of integrated plant Nutrient management in mustard	Yield (q/ha)																		
		No. of siliqua/plant																		
		No. of grain/siliqua																		
Tikamgarh	Assessment of metsulfuron + sulfosulfuron @32g. a.i/ha for the weed control in wheat.	Yield (q/ha)																		
		Test weight(g)																		
		No. of tiller/plant																		
Tikamgarh	Assessment of chilly variety US-515	No.of fruits/ plant																		
		Weight of fruit (g)																		
		Yield (q/ha.)																		
Tikamgarh	Assessment of cabbage variety - Hamant	Weight of head (kg)																		
		Yield q/ha.																		
Tikamgarh	Assessment of bypass protein in lactating cows.	Milk yield %																		
Tikamgarh	Assessment of upgradation of nondescript goat with Jamunapari	No. of goat conceived																		
		No. of birth																		
		Mortality %																		
Tikamgarh	Assessment of value addition in fruit and vegetables	Increase income %																		
		Self life (Days)																		
		Cost (Rs./kg)																		
Tikamgarh	Assessment of income generation for farm women through Hy. Vegetables production	Cost Rs./Kg																		
		Increase income %																		
		Yield kg/plot																		

3. Frontline Demonstration

3.1 Details of FLDs to be implemented during 2013-14

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Tikamgarh	CPM	Soybean	Kharif 2013	Early maturing variety & High yielding variety of soybean JS 95-60	5 ha	JS 95-60	-	-	-	-	-	-	-	12
Tikamgarh	CPM	Blackgram	Kharif 2013	Azad-1 + 30 cm X 10 cm spacing, Seed treatment - Thirum @ 3 g / kg + 20:40:20:15:25 kg/ha NPKSZn + Rhizo @ 200 / 10 kg seed + Stomp 0.5 kg ai/ha, 1 H W at 35 DAS + Spray of Metasystox @ 0.03%	5 ha	Azad-1	-	-	-	-	-	-	-	12
Tikamgarh	CPM	Chickpea	Rabi 2013-14	JG -16, Seed treatment by <i>Tricoderma viride</i> @ 5g/kg seed +vitavex @ 2.5 g/kg of seed + Deep ploughing + Feromone trap + Bird percher @ 50 / ha + Spray of quanalphos @ 2ml/ lit of water.	5 ha	JG-16	-	-	-	-	-	-	-	12
Tikamgarh	CPM	Mustard	Rabi 2013-14	Improved variety (Pusa Jai Kishan RDF(80:40:20:30 NPK Kg/ha + Azoto + PSB @ 2.5 kg/ ha each Imidachloroprid @ 5 ml/15 lit of water.	5 ha	Pusa Jai Kishan	-	-	-	-	-	-	-	12
Tikamgarh	IDM	Colocasia	Kharif 2013	Summer deep ploughing + Seed treatment + 2 spray of Redomil MZ 78 @ 3 ml/lit	5 ha	Narendra Arbi-1	-	-	-	-	-	-	-	10
Tikamgarh	IDM	Chilli	Kharif 2013	Seed treatment with <i>T. viride</i> @ 1Kg/ha +spray of Imadachlopide @ 125 ml/ha +1% spray of sulfex	5 ha	Disha(Hybrid)	-	-	-	-	-	-	-	10
Tikamgarh	CPM	Sesame	kharif, 2013	Improved variety of sesame TKG-306	5 ha	TKG-306	-	-	-	-	-	-	-	10
Tikamgarh	CPM	Soybean	Kharif, 2013	Ridge and furrow method of sowing in soybean	5 ha	JS-93-05	-	-	-	-	-	-	-	10
Tikamgarh	HOS	Turmeric	Kharif 2013	High yielding and improved variety Turmeric - Phule Swarupa	0.25	Phule Swarupa	-	-	-	-	-	-	-	10
Tikamgarh	HOS	Brinjal	Kharif 2013	High yielding and improved variety Brinjal variety Pant Smart	0.25	Pant Smart	-	-	-	-	-	-	-	10
Tikamgarh	LPM	Dairying	Kharif 2013	Nutrient utilisation improved in buffaloes	10	probiotics	-	-	-	-	-	-	-	10
Tikamgarh	LPM	Dairying	Kharif 2013	Broad spectrum anthelmintic in lactating cows	10	Ivermectin	-	-	-	-	-	-	-	10

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Tikamgarh	WA	Enterprise	Kharif 2013	Planned nutrimental garden to insured the availability of fruits and vegetables round the year in (25x10m.)	0.25	Improved varieties & hyb. of fruits and vegetables	-	-	-	-	-	-	-	10
Tikamgarh	WA	Enterprise	Kharif 2013	Value addition in ber through (Ber powder +Jiggery+ black pepper + salt)	-	Ber	-	-	-	-	-	-	-	10
Tikamgarh	IDM	Okra	Rabi, 2013-14	YMV resistant variety VRO-7+spraying of Dimetheoate 30 EC @2 ml/litre of water at 15 days interval	5 ha	VRO-7	-	-	-	-	-	-	-	10
Tikamgarh	IPM	Brinjal	Rabi, 2013-14	Nipping of infested twings/ fruits, spraying of Dimetheoate 30 EC @2 ml/litre of water at 15 days interval	2 ha	Pant Rituraj	-	-	-	-	-	-	-	10
Tikamgarh	CPM	Wheat	Rabi, 2013-14	Improved variety of wheat MP-3173	5 ha	MP-3173	-	-	-	-	-	-	-	10
Tikamgarh	CPM	Chickpea	Rabi, 2013-14	High yielding and heat resistant so fit for late sown condition	5 ha	JG-11	-	-	-	-	-	-	-	10
Tikamgarh	HOS	Tomato	Rabi, 2013-14	High yielding and improved variety Tomato variety Narendra-3	0.25	Narendra-3	-	-	-	-	-	-	-	10
Tikamgarh	HOS	Chilly	Rabi, 2013-14	High yielding and improved variety Turmeric - Chilly variety LCA 235	0.25	LCA 235	-	-	-	-	-	-	-	10
Tikamgarh	LPM	Dairying	Rabi, 2013-14	Concentrate increases milk production in buffaloes	10	Balance feed	-	-	-	-	-	-	-	10
Tikamgarh	LPM	Dairying	Rabi, 2013-14	Increases milk production and reduces cases of milk fever in buffaloes	10	Calcium and vitamins supplements	-	-	-	-	-	-	-	10
Tikamgarh	WA	Enterprise	Rabi, 2013-14	Use of tubuler maize Sheller	-	Tubular maize seller	-	-	-	-	-	-	-	10
Tikamgarh	WA	Enterprise	Rabi, 2013-14	Use of Groundnut decorticator	-	Groundnut decorticator	-	-	-	-	-	-	-	10

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters (Yield q/ha)			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
Tikamgarh	Soybean	Early maturing variety & High yielding variety of soybean JS 95-60	No. of Pods/plant										
			Test weight (g)										
			Yield (q/ha)										
Tikamgarh	Blackgram	Azad-1 + 30 cm X 10 cm spacing, Seed treatment - Thirum @ 3 g / kg + 20:40:20:15:25 kg/ha NPKSzn + Rhizo @ 200 / 10 kg seed + Stomp 0.5 kg ai/ha, 1 H W at 35 DAS + Spray of Metasystox @ 0.03%	No. of Pods/plant										
			Test weight (g)										
			Yield (q/ha)										
Tikamgarh	Chickpea	JG -16, Seed treatment by <i>Tricoderma viride</i> @ 5g/kg seed +vitavex @ 2.5 g/kg of seed + Deep ploughing + Feromone trap + Bird percher @ 50 / ha + Spray of quanalphos @ 2ml/ lit of water.	No. of Pods/plant										
			Test weight (g)										
			Yield (q/ha)										
Tikamgarh	Mustard	Improved variety (Pusa Jai Kishan RDF(80:40:20:30 NPK Kg/ha + Azoto + PSB @ 2.5 kg/ ha each Imidachloroprid @ 5 ml/15 lit of water	No. of Siliques/plant										
			Test weight(g)										
			Yield(q/ha)										
Tikamgarh	Colocasia	Summer deep ploughing + Seed treatment + 2 spray of Redomil MZ 78 @ 3 ml/lit	No. of rhizome/plant										
			Weight of rhizome (g)										
			Disease incidence (%)										
			Yield (q/ha)										
Tikamgarh	Chilli	Seed treatment with <i>T. viride</i> @ 1Kg/ha +spray of Imadachlopride @ 125 ml/ha +1% spray of sulfex	No. of fruit/plant										
			Disease incidence (%)										
			Yield (q/ha)										
Tikamgarh	Okra	YMV resistant variety VRO-7+spraying of Dimethoate 30 EC @2 ml/litre of water at 15 days interval	No. of fruit/plant										
			Disease incidence (%)										
			Yield (q/ha)										
Tikamgarh	Brinjal	Nipping of infested twings/ fruits, spraying of Dimethoate 30 EC @2 ml/litre of water at 15 days interval	No. of fruit/plant										
			Insect infestation (%)										
			Yield (q/ha)										
Tikamgarh	Turmeric	High yielding and improved variety Turmeric - Phule Swarupa	No. of Fingers /plant										
			Weight of fingers/ plant										
			Yield q/ha.										
Tikamgarh	Brinjal	High yielding and improved variety Brinjal variety Pant Smart	No. of Fruit /plant										
			Weight of fruit/ plant										
			Yield q/ha.										

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters (Yield q/ha)			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
Tikamgarh	Tomato	High yielding and improved variety Tomato variety Narendra-3	No. of Fruit /plant										
			Weight of fruit/ plant										
			Yield q/ha.										
Tikamgarh	Chilly	High yielding and improved variety Turmeric - Chilly variety LCA 235	No. of Fruit /plant										
			Weight of fruit/ plant										
			Yield q/ha.										
Tikamgarh	Dairying	Nutrient utilisation improved in buffaloes	Feed intake (kg/d).										
			Milk Yield (l/d).										
Tikamgarh	Dairying	Broad spectrum anthelmintic in lactating cows	Milk Yield (l/d).										
Tikamgarh	Dairying	Concentrate increases milk production in buffaloes	Milk Yield (l/d).										
Tikamgarh	Dairying	Increases milk production and reduces cases of milk fever in buffaloes	Milk Yield (l/d).										
			% reduction of cases										
Tikamgarh	Enterprise Enterprise	Planned nutritional garden to insured the availability of fruits and vegetables round the year in (25x10m.)	Vegetable Prod. (kg/plot)										
			Fruit Prod. (kg/plot)										
			Reduction in mal nutrition %										
			Increase income %										
Tikamgarh	Enterprise	Value addition in ber through (Ber powder +Jiggery+ black pepper + salt)	Outcome (kg)										
			Cost (Rs./kg)										
			Income generation %										
Tikamgarh	Enterprise	Use of tubuler maize Sheller	Time required for shelling of 100 cobs										
			Output (kg/ha)										
			% increase effency										
Tikamgarh	Enterprise	Use of tubuler maize Sheller	Outcome %										
			Increase effency %										
			Reduction in drudgery %										

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Tikamgarh	Mustard, Gram, Soybean, Blackgram	Field days			
		Farmers Training			
		Media coverage			
		Training for extension functionaries			

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Tikamgarh				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Tikamgarh	

5. TRAINING PROGRAMMES

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

Table 5.1: 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 to be involved
Tikamgarh	Farm & Farm women			
Tikamgarh	Rural youth			
Tikamgarh	Extension personnel			
Tikamgarh	Sponsored			

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	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	
Tikamgarh	FW	OFC	IPM	Importance of deep summer ploughing in pests management	1	1	25									
Tikamgarh	FW	OFC	IPM	Safe methods of storage grain pests	1	1	25									
Tikamgarh	FW	OFC	IPM & IDM	Importance and methods of different type seed treatments	1	1	25									
Tikamgarh	FW	OFC	IPM	Integrated management of girdle beetle in soybean	1	1	25									
Tikamgarh	FW	OFC	IDM	Integrated management of YMV in black gram	1	1	25									
Tikamgarh	FW	OFC	IDM	Integrated management of soybean mosaic virus	1	1	25									
Tikamgarh	FW	OFC	IPM	Integrated management of tobacco caterpillar in soybean	1	1	25									
Tikamgarh	FW	OFC	IDM	Integrated management of soft rot in soybean	1	1	25									
Tikamgarh	FW	ONC	IDM	Integrated management of leaf blight in colocasia	1	1	25									
Tikamgarh	FW	ONC	IDM	Integrated management of leaf curl in chilli	1	1	25									
Tikamgarh	FW	ONC	IPM	Safe storage grain pests management	1	1	25									
Tikamgarh	FW	ONC	IDM	Integrated management of wilt in chickpea	1	1	50									
Tikamgarh	FW	ONC	IPM	Termite management in wheat	1	1	25									
Tikamgarh	FW	ONC	IPM	Integrated management of pod borer in chickpea	1	1	25									

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	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
Tikamgarh	FW	ONC	IPM	Integrated management of aphid in mustard	1	1	25								
Tikamgarh	FW	ONC	IDM	Integrated management of leaf spot diseases of wheat	1	1	25								
Tikamgarh	FW	ONC	IPM	Integrated management of shoot and fruit borer in brinjal	1	1	25								
Tikamgarh	IS	ONC	IPM	IPM in Kharif crops	1	1	25								
Tikamgarh	IS	ONC	IPM	IPM in Rabi crops	1	1	25								
Tikamgarh	FW	OFC	IDM	Solarization in seed bed for management of damping off disease	1	1	25								
Tikamgarh	FW	ONC	IPM	Production and management tech. of coriander in summer	1	1	25								
Tikamgarh	FW	OFC	IPM	Tech. of raising nursery for Cole crop	1	1	25								
Tikamgarh	FW	ONC	IPM	Transplanting and production tech. in chilly cultivation	1	1	25								
Tikamgarh	FW	ONC	INM	Use of bio fertilizer in solanaceous crops	1	1	25								
Tikamgarh	FW	ONC	IPM	Agro tech. involved in potato cultivation	1	1	25								
Tikamgarh	FW	OFC	IPM	Production and management tech of Ashwagandha	1	1	25								
Tikamgarh	FW	ONC	IPM	Agro tech. involved in onion cultivation	1	1	25								
Tikamgarh	FW	ONC	IPM	Grading and standardization practices involved in onion	1	1	25								
Tikamgarh	FW	OFC	IPM	Nursery raising tech. of cucurbitaceous crop	1	1	25								
Tikamgarh	FW	ONC	IDM	Solarization in seed bed for management of damping off disease	1	1	25								
Tikamgarh	FW	ONC	IPM	Production and management tech. of coriander in summer	1	1	25								
Tikamgarh	FW	OFC	IPM	Tech. of raising nursery for Cole crop	1	1	25								
Tikamgarh	FW	ONC	IPM	Transplanting and production tech. in chilly cultivation	1	1	25								
Tikamgarh	FW	OFC	LPM	Vaccination of livestock against diseases.	1	1	25								
Tikamgarh	FW	OFC	LPM	Managerial practices in poultry	1	1	25								
Tikamgarh	FW	OFC	LPM	Managerial practices in goat	1	1	25								
Tikamgarh	FW	OFC	LPM	Balance feed preparation	1	1	25								
Tikamgarh	FW	OFC	LPM	Importance of mineral supplementation	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	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
Tikamgarh	FW	OFC	LPM	Prevention of mastitis	1	1	25								
Tikamgarh	FW	OFC	LPM	Vermi-compost	1	1	25								
Tikamgarh	FW	OFC	LPM	Green fodder cultivation	1	1	25								
Tikamgarh	FW	OFC	LPM	Organic farming	1	1	25								
Tikamgarh	FW	OFC	LPM	Breed improvement	1	1	25								
Tikamgarh	FW	OFC	LPM	Management of calf	1	1	25								
Tikamgarh	FW	OFC	LPM	Silage and Hay making	1	1	25								
Tikamgarh	FW	OFC	WA	Value addition in pulses	1	1	25								
Tikamgarh	FW	OFC	WA	Nutritional garden	2	1	25								
Tikamgarh	FW	OFC	WA	Mal nutrition	1	1	25								
Tikamgarh	FW	OFC	WA	Value addition in fruits & vegetables	2	7	25								
Tikamgarh	FW	OFC	WA	Caring of farm women & their child regarding health consciousness	1	1	25								
Tikamgarh	FW	OFC	WA	Safe storage of grain	2	1	25								
Tikamgarh	FW	OFC	WA	Drudgery reduction	1	1	25								
Tikamgarh	FW	OFC	WA	Women empowerment through SHGs	1	1	25								
Tikamgarh	FW	OFC	WA	Fruit & vegetable preservation	2	6	25								
Tikamgarh	FW	OFC	WA	Women empowerment	1	7	25								
Tikamgarh	FW	OFC	WA	Grading of farm produce	1	1	25								
Tikamgarh	FW	OFC	WA	Health and hygiene	2	2	25								
Tikamgarh	FW	OFC	CPM	Scientific cultivation of Soybean	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of maize	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of black gram	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of gram	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of mustard	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of wheat in limited water	1	1	25								
Tikamgarh	FW	OFC	CPM	Production technology of Rabi pulses	1	1	25								
Tikamgarh	FW	ONC	CPM	Production technology of Rabi crops	1	1	25								

Table 5.3. Details of Vocational training programmes for Rural Youth to be 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
Tikamgarh	Mushroom production technology	Mushroom	Mushroom production	02						
Tikamgarh	Bee Keeping	Bee	Bee	02						
Tikamgarh	Value addition of fruits & vegetables	Enterprise	WA	02						
Tikamgarh	Safe storage of grain	Enterprise	WA	02						
Tikamgarh	Method of vegetative propagation	HOS	Nursery Management	02						
Tikamgarh	Vegetables seed production of vegetable crops	HOS	Seed Production	02						

Table 5.4. Details of training programme to be 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	
Tikamgarh	Value addition in fruit and vegetables	Small cottage			
Tikamgarh	Women empowerment through Tailoring and stitching	Small cottage			

Table 5.5. 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)	Dura- tion (days)	No. of cours es	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Tikamgarh	Sowing ,management, fertilizer ad weed management in soybean	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Roughing , intercultural and Pest management in soybean	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Harvesting , threshing and storage of Soybean	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Sowing ,management, fertilizer ad weed management in Gram	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Roughing , intercultural and Pest management in Gram	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Harvesting , threshing and storage of Gram	CRP	Seed production	FW/R/Y	2	1							DDA, State Govt	
Tikamgarh	Methods of irrigation	AEG	Resource conservation	FW	2	1							WRD, State Govt.	
Tikamgarh	Production technology of Gram	CRP	Pulse production	FW	2	1							WRD, State Govt.	
Tikamgarh	Production technology of wheat	CRP	Crop production	FW	2	1							WRD, State Govt.	
Tikamgarh	Conservation of soil and water	SFM	Resource conservation	FW	2	1							WRD, State Govt.	
Tikamgarh	Production technology of wheat	CRP	Crop production	FW	2	1							WRD, State Govt.	
Tikamgarh	Safe storage of grains	PLP	Grain storage	FW	2	1							WRD, State Govt.	
Tikamgarh	Methods of irrigation	AEG	Irrigation	FW	2	1							WRD, State Govt.	
Tikamgarh	Production technology of wheat	CRP	Crop production	FW	2	1							WRD, State Govt.	
Tikamgarh	Safe storage of grain	PLP	Grain storage	FW	2	1							WRD, State Govt.	
Tikamgarh	Soil health management	AEG	Soil health	FW	1	1							WRD, State Govt.	
Tikamgarh	Vegetable production	HOV	Vegetable production	FW	1	1							WRD, State Govt.	
Tikamgarh	Scientific preparation of FYM	PIS	FYM production	FW	1	1							WRD, State Govt.	

Table 5.6 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		
Tikamgarh	Production and management Tech. of Medicinal and aromatic plant	Medicinal & Aromatic plants	Production technology	IS	02	01								
Tikamgarh	Crop production technology in Kharif crops	CPM		IS	02	01								
Tikamgarh	Crop production technology in rabi crops	CPM		IS	02	01								
Tikamgarh	IDM in Kharif crops	CPM		IS	02	01								
Tikamgarh	IDM in rabi crops	CPM		IS	02	01								
Tikamgarh	Back yard kitchen gardening	WA		IS	02	01								
Tikamgarh	Fruits and vegetable preservation	WA		IS	02	01								

Table 5.7 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	
Tikamgarh	Management of Nursery of Chilli								
Tikamgarh	IDM in Ginger								
Tikamgarh	Production technology black gram								
Tikamgarh	Production technology in soybean								
Tikamgarh	Ridge & furrow method of soybean								
Tikamgarh	Care and management of animals								
Tikamgarh	Production technology of Gram								
Tikamgarh	Role of micro- elements in animals								
Tikamgarh	Production technology of mustard								
Tikamgarh	Poultry production								

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			
Tikamgarh	Field Day	06										
Tikamgarh	Kisan Mela	02										
Tikamgarh	Kisan Ghosthi	06										
Tikamgarh	Exhibition	02										
Tikamgarh	Film Show	20										
Tikamgarh	Method Demonstrations	10										
Tikamgarh	Farmers Seminar	04										
Tikamgarh	Workshop	04										
Tikamgarh	Group meetings	04										
Tikamgarh	Lectures delivered as resource persons	60										
Tikamgarh	Newspaper coverage	All										
Tikamgarh	Radio talks	08										
Tikamgarh	TV talks	12										
Tikamgarh	Popular Articles	20										
Tikamgarh	Extension Literature	12										
Tikamgarh	Farm Advisory Services	20										
Tikamgarh	Scientific visit to farmers field	80										
Tikamgarh	Farmers Visit to KVK	3000										
Tikamgarh	Diagnostic Visits	40										

7. Production and supply of Technological products

7.1 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
Tikamgarh	Oilseeds	Soybean	JS 93-05, JS 95-60	SD				
Tikamgarh	Pulses	Gram	JG-130, JG-11, JG-315	SD				

7.2 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./ Nos	Cost of inputs	Gross income	
Tikamgarh	Fruits	Papaya			Nursery	Pusa Nanha	Sapling	5000			
Tikamgarh	Fruits	Pomegranate			Nursery	Ganesh	Sapling	1000			
Tikamgarh	Vegetables	Tomato			Nursery	Baghya	Seedling	5000			
Tikamgarh	Vegetables	Chilli			Nursery	Garima	Seedling	5000			
Tikamgarh	Vegetables	Brinjal			Nursery	Harit	Seedling	5000			
Tikamgarh	Vegetables	Cabbage			Nursery	S-996	Seedling	5000			
Tikamgarh	Vegetables	Cauliflower			Nursery	Snow white	Seedling	5000			
Tikamgarh	Vegetables	Onion			Nursery	N-53	Seedling	50000			
Tikamgarh	Flowers	Marigold			Nursery	Pusa Narangi	Seedling	5000			
Tikamgarh	Flowers	Gaillardia			Nursery	Mixed color	Seedlings	5000			

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

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

7.4 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	
Tikamgarh	Cattle						
Tikamgarh	Buffalo						
Tikamgarh	Sheep and Goat						
Tikamgarh	Poultry						
Tikamgarh	Fisheries						
Tikamgarh	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

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

Year of establishment : **2006-07**

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Tikamgarh	Soil Sample	1000	1000	10		
Tikamgarh	Water Sample	Nil	Nil	Nil		

9. Rainwater Harvesting, if available.

Training programmes to be 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
Tikamgarh		Micro irrigation	PF	02						
Tikamgarh		Production technology of gram	PF	02						
Tikamgarh		Production technology of wheat	PF	02						
Tikamgarh		Soil and water conservation	PF	02						
Tikamgarh		Methods of irrigation	PF	02						
Tikamgarh		Methods of irrigation	PF	02						
Tikamgarh		Production technology of wheat	PF	02						

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Tikamgarh	116	1000	250	
Tikamgarh	54	5000		

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Tikamgarh	Kharif 2012	25	
Tikamgarh	Rabi 2012-13	25	

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Tikamgarh	April-June, 2013	Quarterly	1000	-
Tikamgarh	July-September, 2013	Quarterly	1000	-
Tikamgarh	October-December, 2013	Quarterly	1000	-
Tikamgarh	January-March, 2014	Quarterly	1000	-

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Tikamgarh	02	-	-

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Technical bulletins	02				
Technical reports	05				
Popular article	12				
News paper coverage	15				
Year Planner	01				
Others (Extension folder)	20				

13. 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
Tikamgarh	ATMA	Central				
Tikamgarh	MNREGA	Central				
Tikamgarh	NHM	Central				
Tikamgarh	RKVY	Central				
Tikamgarh	Zila Panchyat	State				
Tikamgarh	NICRA	Central				
Tikamgarh	JICA	Central				

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): Yes (40)

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)
Tikamgarh							
Tikamgarh							
Tikamgarh							

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Tikamgarh	2008-09	Nov, 2012	04	Nil	

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent? Yes

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1.	Tikamgarh	Yes	DES

b) Details about Technology Park

Crop Cafeteria (2013-14)

(i) No. of varieties demonstrated in Kharif and Rabi 2013-14 at KVK for farmers/students/official visitors

Season	S.No.	Group	Crop	Nos.	Names varieties	
Kharif	1	Oilseed	Soybean	11	JS 93-05,JS 95-60,JS 335,JS 97-52,NRC-7,NRC-12,NRC-37,VS-5,VS-10,MAUS-47,RKS-18	
	2	Pulses	Pigeonpea	05	MAL-13,Bahar,NA-1(long duration),UPAS-120,Durga(Short duration)	
			Black gram	10	Azad-1,3,shekhar-2,IPU-02-43,Uttara(IPU94-1),Pant U-30,Pant-35,LBG-20,T-9,Barabanki local	
			Green gram	08	Samarat,Narendra Moong-1,Muskan,IPMM2-3,IPM99-125(Meha),k-851,PDM-139,Copear Goun	
	3	Cereal	Paddy	04	(With SRI) JR-201,Pusa Basmati,Sugandha-5,Pusa-1121	
	4	Vegetables	Tomato	07	Maharshi,N-6,3,Hemant,Pusa Rubi,N-7,Raj Laxami	
			Brinjal	05	Shiva-089,BSS-332,PK-123,Pant Rituraj,Janak	
			Chilli	03	Pusa Jawala,,Disha (BSS453),US-515,PG-2	
			Cabbage	01	Hemant	
	Rabi	1.	Cereal	Wheat	14	GW-273,322,366,HI-1418(Naveen),1479(swarna),1531(Purna),8381(malwashree),8663(Poshan),MP-3020,1142,4010,1201,1203,1203
2.		Pulses	Chickpea	17	Bold 4 (Subhra,KAK-2,IPCK-2), Deshi 13 (Vishal,Vijay,Uday,JG-322,74,16,63,218,315,412,11,226,130	
			Pea		PSM-3,Rachana,JM-6,Adarsh,IPFD-1-10,IPFD-99-13,IPF-99-25	
3.		Oil seed	Mustard		Pusa Agarani,Pusa Bold,Pusa Jai Kishan,Varuna,Rohani,Urvarsi,Arravali,Vasundhara,Pusa Jagannath,Kranti,Pusa Tarak,Vardan	
4.		Vegetables	Tomato	07	Maharshi,N-6,3,Hemant,Pusa Rubi,N-7,Raj Laxami	
			Brinjal	05	Shiva-089,BSS-332,PK-123,Pant Rituraj,Janak	
			Chilli	03	Pusa Jawala,,Disha (BSS453),US-515,PG-2	
			Cabbage	01	Hemant	
All year		1.	Nutritional garden	Vegetables and fruits	12	All seasonal vegetables and flowers were demonstrated

(ii) No. of quality seedling distributed (2013-14)

Crops/Unit	Variety	Remarks
Tomato	Maharshi,N-6,3,Hemant,Pusa Rubi,N-7,Raj Laxami	
Brinjal	Shiva-089,BSS-332,PK-123,Pant Rituraj,Janak	
Chilli	Pusa Jawala,,Disha (BSS453),US-515,PG-2	321
Cabbage	Hemant	325
Cauliflower	Snow white	451

(iii) Name of technologies for demonstrated at KVK during 2013-14

S.No.	Thematic area	Title of technologies	S.No.	Thematic area	Title of technologies
1.	Resource management	SRI method of transplanting in paddy		Resource management	Ridge and furrow method of soybean sowing
2	Horticulture	Meadow-orchard in guava		Horticulture	High density planting orchard of mango-Amarpalli
3	Varietal replacement in horticulture	Plantation – Pomegranate, Custard Apple, Jack fruit, Aonla		Resource Management	Vermi Composting Unit & NADEP pit
4	Food processing	Agro Processing Unit		Water conservation	Water harvesting tank
5	Varietal replacement in crops	Field Crop, Vegetables, floriculture, Spices and Medicinal crop cafeteria		Nursery management	Poly House & Net House
6	Women in agriculture	Nutritional Garden		Agri. Engg.	Drip Irrigation System
7	IPM	IPM in gram		CPM	SWI in wheat

Thematic area of crop cafeteria

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal replacement wheat	(1) No. of varieties 12
2	Varietal replacement in chickpea	(1) 10
3	IPM in chickpea	(1) 10
4	IDM in chickpea	(1) 10
5	IPM in mustard	(1)12
6	IPM in soybean	(1) 11
7	Varietal replacement in soybean	(1) 11
8	SRI method in paddy	(1) 05
9	Varietal replacement in lentil	(1) 02
10	Varietal replacement in pea	(1) 10
11	Varietal replacement in barley	(1) 07
12	SWI in wheat	(1) 01
13	Varietal replacement in linseed	(1) 02
14	IDM in chilli	(1) 04
15	Geometric planting in onion	(1) 02
16	Varietal replacement in tomato	(1) 09
17	Varietal replacement in brinjal	(1) 05
18	Varietal replacement in cabbage	(1) 02
19	Varietal replacement in cauliflower	(1) 02
20	Varietal replacement in marigold	(1) 02
21	Nutritional garden	(1) 16
22	Varietal replacement in spices	(1) 04
23	Promotion of Medicinal plant cultivation	(1) 03
24	Promotion of fodder cultivation	(1) 04

17. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Tikamgarh	Tikamgarh	Palera	35	26
Tikamgarh	Jatara	Pirthvipur	38	25
Tikamgarh	Baldevgarh	Niwari	25	22

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

18. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

19. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Naogaon (Chhattarpur)	30%	
2	Sagar	20%	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Tikamgarh	-	-	-
Tikamgarh	-	-	-

21. Status of KVK Website: www.kvktikamgarh.com

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Tikamgarh	November 2010	03	-

22. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Tikamgarh	-	-

23. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectures 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			
Tikamgarh	-	-	-	-	-	-	-

24. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Tikamgarh	Gosthies	02		
Tikamgarh	Lectures organized	20		
Tikamgarh	Exhibition	02		
Tikamgarh	Film show	01		
Tikamgarh	Fair	01		
Tikamgarh	Farm Visit	04		
Tikamgarh	Diagnostic Practical's	25		
Tikamgarh	Distribution of Literature (No.)	2000		
Tikamgarh	Distribution of Seed (q)	45		
Tikamgarh	Distribution of Planting materials (No.)	02		
Tikamgarh	Bio Product distribution (Kg)	-		
Tikamgarh	Bio Fertilizers (q)	-		
Tikamgarh	Distribution of fingerlings (No)	-		
Tikamgarh	Distribution of Livestock specimen (No.)	-		
Tikamgarh	Total number of farmers visited the technology week	600		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Cultivars	Area (ha)	Number of beneficiaries
Tikamgarh	Maize	JM-216		
Tikamgarh	Paddy	JR-201		
Tikamgarh	Soybean	JS 93-05,JS 95-60		
Tikamgarh	Black gram	Azad-1		
Tikamgarh	Gram,	JG-130,JG-16		
Tikamgarh	Wheat	GW-322,JW-3173		
Tikamgarh	Mustard	Pusa Agrani		

Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
Tikamgarh	Oilseeds		
Tikamgarh	Pulses		
Tikamgarh	Cereals		
Tikamgarh	Vegetable crops		
Tikamgarh	Tuber crops		
Tikamgarh	Fruits		
Tikamgarh	Spices		
Tikamgarh	Cotton		
Tikamgarh	Total		

Farmers-scientists interaction on livestock management

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

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Tikamgarh	02		

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)/Nos,	Coverage of area (ha)	Number of farmers
Tikamgarh	Wheat (GW-322)			
Tikamgarh	Wheat (JW-3173)			
Tikamgarh	Maize (JM-216)			
Tikamgarh	Paddy(JR-201)			
Tikamgarh	Paddy(Pusa-1121)			
Tikamgarh	Gram(JG-130)			
Tikamgarh	Gram(JG-16)			
Tikamgarh	Blackgram (Azad-1)			
Tikamgarh	Soybean(JS-93-05)			
Tikamgarh	Soybean(JS 95-60)			
Tikamgarh	Mustard (Pusa Bold)			

Seedlings and Saplings to be distributed

Name of KVK	Major group	Crops	Varieties	Seedlings/Quantity (No.)	Coverage of area (ha)	Number of farmers
Tikamgarh	Vegetables	Tomato	Azad-1,Narendra Tomato -6			
Tikamgarh	Vegetables	Brinjal	Pant Rituraj			
Tikamgarh	Vegetables	Chilli	Super Disha,			
Tikamgarh	Vegetables	Cauliflower	Nuzi Snow White (Hy.)			
Tikamgarh	Vegetables	Bottle guard	Azad Harit			
Tikamgarh	Vegetables	Onion	Pusa Red,			
Tikamgarh	Vegetables	Onion	N-53			
Tikamgarh	Flowers	Marigold	Pusa Narangi, Pusa Basanti			

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Tikamgarh	SRI in paddy		
Tikamgarh	Ridge and furrow in soybean		
Tikamgarh	In-situ moisture conservation through deep ploughing		
Tikamgarh	Use of fertilizers as per recommendation through soil health card		
Tikamgarh	Early maturing varieties of soybean-JS 95-60		
Tikamgarh	Short duration and high yielding maize variety-JM-216		
Tikamgarh	YMV resistant variety of blackgram-Azad-1		
Tikamgarh	Suitable for rainfed and wilt resistant variety-gram (JG-130)		

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
Tikamgarh												

Appropriate intercropping systems

S.No.	Name of Crop	Area	No. of Beneficiaries
1.	Gram + Mustard	02	05
2.	Wheat + Mustard	02	05

3. Technologies to be demonstrated

S. No.	Name of Technologies	No. of Demo	Area (ha.)	No. of Beneficiaries
1.	Bio gas	20		
2.	Vermi compost unit	05		
3.	Sprinkler set	05		
4.	Drip system	02		

4. Seed Bank

S.No.	Crop	No. of Beneficiaries
1.	Soybean	
2.	Wheat	

5. Extension Activities

S.No.	Name of Activity	No. of Activity	No. of Beneficiaries
1.	Field Day	05	
2.	Training	12	
3.	Exposure visit	01	
4.	C.D. Show	03	
5.	Animal Health Camp	02	

6. Rain water Harvesting

S.No.		No. Unit
1.	Stop Dam	02

7. In situ moisture conservation

S.No.	Name of Activities	Area	No. of Beneficiaries
1.	Summer deep sloughing	50	
2.	Ridge & furrow	30	
3.	Broad bad & furrow	26	

29. Proposed works under NAIP (in NAIP monitoring format)

Krishak Sangosthi

S.N.	Title	Proposed Date for training	No. of Participants	Duration (Days)
1	Kharif - Oilseeds & Pulses	I st Quarter	30	01
2	Kharif – Livestock Feeding	II nd Quarter	30	01
3	Rabi – Oilseeds	III rd Quarter	30	01
4	Composite fish farming	IV th Quarter	30	01
5	Soil & Water Conservation	IV th Quarter	30	01

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Tikamgarh				
Tikamgarh				
Tikamgarh				

31. Awards & Recognitions

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

32. Case study / Success Story to be developed – Two best only in the following format

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Tikamgarh	01	01

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