

# **ANNUAL PROGRESS REPORT**

**April 2018 to March 2019**

**Krishi Vigyan Kendra,  
Tikamgarh (M.P.)**

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**REPORTING PERIOD – April 2018 to March 2019**  
**Summary of KVK Annual Report (Quantifiable Achievement) for the year 2018-19**

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
<b>1</b>	<b>On Farm Testing</b>			
	Proposed OFT	19	95	
	On Going OFT	1	5	
	Technologies assessed (Completed OFT)	15	75	
	Technologies refined	-	-	
	On farm trials conducted	15	75	
<b>2</b>	<b>Frontline demonstrations</b>			
	Proposed Frontline demonstrations	19	228	
	On Going Frontline demonstrations	-	-	
	FLDs conducted on crops	13	156	
	Area under crops (ha.)	18	108	
	FLD on farm implement and tools	-	-	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	4	48	
	FLD on Fisheries - Finger lings	-	-	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	-	-	
<b>3</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
	Farmers	26	52	600
	Farm women	5	10	145
	Rural youth	4	8	75
	Extension personnel/ In service	5	10	242
	Vocational trainings / Skill Development	2	55	40
	Sponsored Training	-	-	-
	<b>Total</b>	46	135	1102
		<b>No. of programmes</b>	<b>Participants</b>	
<b>4</b>	<b>Extension Programmes</b>	31	39602	
<b>5</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Seed (qt.)	-	-	
	Planting material produced (nos.)	3500	28	
<b>6</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	
<b>7</b>	<b>Bio Products</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Bio Agents -Earth worm (Kg.)	-	-	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermicompost, Rhizobium, PSB , BGA , Mycorrhiza , Azotobacter , Azospirillum etc. (Kg.)	38.80 kg	250	

	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	-	-
<b>8</b>	<b>Any other significant achievement in the Zone</b>	<b>Nos.</b>	<b>Participants/ beneficiaries</b>
	Award (Best KVK award and scientist and farmer's award)	1	1
	Publications ( Res. Paper/ pop. Art./Bulletin,etc.)	4	-
	KVK News letter	4	-
	SAC Meetings conducted	1	25
	Soil sample tested	1003	956
	Water sample tested	-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-
	KVK-KMA (Message and beneficiaries)	35	20560
	Convergence programmes	8	402
	Sponsored programmes	-	-
	KVK Progressive Farmers interaction	2	103
	No. of Technology Week Celebrations	33	2719
	Attended HRD activities organized by ZPD	3	-
	Attended HRD activities organized by DES	3	-
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )	2	-
<b>9</b>	Current status of Revolving Funds (Amt. in Rs.)	132849	
<b>10</b>		<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District	6	213
<b>11</b>		<b>ICAR</b>	<b>SAU</b> <b>Others</b>
	No. of important visitors to KVK (nos.)	1	2      2
<b>12</b>		<b>Working (Yes/No)</b>	<b>No. of Update</b>
	Status of KVK Website	Yes	1
<b>13</b>		<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)	-	-
<b>14</b>		<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)	-	-
<b>15</b>		<b>Working (Yes/No)</b>	<b>No. of programme viewed</b>
	E-connectivity	-	-
<b>16</b>		<b>Filled</b>	<b>Vacant</b>
	Staff Position	8	8
<b>17</b>	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)	2	
<b>18</b>	Publication received from ICAR /other organization (nos.)	10	
<b>19</b>		<b>Particulars</b>	<b>Organization</b>
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	-	-
<b>20</b>	Activities performed in Satellite Village on DFI	<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
		339	2809
<b>21</b>	Activities performed in Nutri Smart Village	<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
		515	826
<b>22</b>	Activities performed in Sansad Adarsh Gram	<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
		3	282

# GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2019

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Tikamgarh	16	1	1	6	4	3	1	6	2	16	8

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Tikamgarh	Programme Coordinator	Dr. H. S. Rai	Entomology	Ph.D.	Entomology	37400-67000 + 9000	67830	02-04-1988	Temp.	General
Tikamgarh	Subject Matter Specialist1	Dr. R. K. Prajapati	Plant Protection	Ph.D.	Plant Pathology	15600-39100 + 7000	33760	01-02-2007	Temp.	General
Tikamgarh	Subject Matter Specialist2	Dr. S. K. Singh	Horticulture	Ph.D.	Horticulture	15600-39100 + 7000	33760	16-03-2007	Temp.	General
Tikamgarh	Subject Matter Specialist3	Dr. S. K. Khare	LPM	Ph.D.	LPM	15600-39100 + 7000	31960	05-02-2007	Temp.	General
Tikamgarh	Subject Matter Specialist4	Shri U. S. Dhakad	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100 + 6000	25810	14-10-2011	Temp.	OBC
Tikamgarh	Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
Tikamgarh	Subject Matter Specialist6	-	-	-	-	-	-	-	-	-
Tikamgarh	Programme Assistant	Dr. I. D. Singh	Soil Science	Ph.D.	Soil Science	9300-34400 + 4200	17640	29-01-2007	Temp.	General
Tikamgarh	Farm Manager	-	-	-	-	-	-	-	-	-
Tikamgarh	Computer Programmer	-	-	-	-	-	-	-	-	-
Tikamgarh	Accountant / superintendent	-	-	-	-	-	-	-	-	-
Tikamgarh	Stenographer	-	-	-	-	-	-	-	-	-
Tikamgarh	Driver	Shri B. K. Litoriya	Driver	HSC	Driver	5200-20200 + 1900	9940	10-07-2008	Temp.	General
Tikamgarh	Driver	Shri Manohar Lal Chadar	Driver	HSC	Driver	5200-20200 + 1900	9940	10-07-2008	Temp.	SC
Tikamgarh	Supporting staff	-	-	-	-	-	-	-	-	-
Tikamgarh	Supporting staff	-	-	-	-	-	-	-	-	-

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

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Tikamgarh	Bundelkhand Zone (VIII – Zone)	06	459	14,45,166	61.43%	4,29,461	173134	1.55

**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)
Tikamgarh	Mazghaua	2012-13	Baldevgarh	21 Km	1008	530
Tikamgarh	Baisa	2012-13	Baldevgarh	21 Km	736	235
Tikamgarh	Karmasa Ghat	2012-13	Baldevgarh	20 Km	837	337
Tikamgarh	Kanti	2010-11	Tikamgarh	15 Km	950	155
Tikamgarh	Bhopalpura	2010-11	Prathvipur	60 Km	1,100	246
Tikamgarh	Hasgora	2014-15	Jatara	20Km	708	615
Tikamgarh	Gour	2015-16	Jatara	25Km	2300	1800
Tikamgarh	Babakheda	2015-16	Jatara	22Km	809	610
Tikamgarh	Hazoori nagar	2016-17	Tikamgarh	15Km	1500	1260
Tikamgarh	Shivrajpur	2016-17	Jatara	20Km	660	515
Tikamgarh	Bilgoan	2015-16	Jatara	20Km	1125	1005
Tikamgarh	Batbaha	2016-17	Jatara	30 Km	1200	241
Tikamgarh	Majra kheda	2016-17	Jatara	32 Km	2000	1700
Tikamgarh	Naya kheda	2016-17	Niwadi	70 Km	2800	2500
Tikamgarh	Kuluua	2016-17	Niwadi	72 Km	1980	1600
Tikamgarh	Bandhiya	2016-17	Tikamgarh	15 Km	2510	2100
Tikamgarh	Padvar kheda	2016-17	Jatara	18 Km	1875	1523
Tikamgarh	Kari	2016-17	Tikamgarh	20 Km	2400	2120
Tikamgarh	Sankargad vera	2016-17	Tikamgarh	25 Km	2300	1924
Tikamgarh	Ranipura	2016-17	Tikamgarh	18 Km	2400	2220
Tikamgarh	Futer chakra	2016-17	Baldevgarh	28 Km	1800	1430
Tikamgarh	Dhajri	2016-17	Tikamgarh	16 Km	1500	1321
Tikamgarh	Khiriya	2016-17	Tikamgarh	16 Km	1600	1425
Tikamgarh	Soryana	2017-18	Tikamgarh	35 Km	700	300
Tikamgarh	Nadia	2017-18	Jatara	30 Km	1000	445
Tikamgarh	Vaidehu	2017-18	Jatara	25 Km	1200	625
Tikamgarh	Bamhori	2017-18	Jatara	32 Km	1100	535

Tikamgarh	Tikamgarh	2018-19	Tikamgarh	8 Km	1500	1260
Tikamgarh	Nandanpur	2018-19	Jatara	30 Km	950	155
Tikamgarh	Hasgora	2018-19	Jatara	20 Km	708	615
Tikamgarh	Kanti	2018-19	Tikamgarh	20 Km	950	155
Tikamgarh	Charpuan	2018-19	Tikamgarh	30 Km	708	615
Tikamgarh	Chanderi	2018-19	Khargapur	60 Km	950	155
Tikamgarh	Godanwara	2018-19	Tikamgarh	30 Km	1000	445
Tikamgarh	Khajari	2018-19	Palera	70 Km	708	615
Tikamgarh	Jasbantnagar	2018-19	Tikamgarh	26 Km	615	578
Tikamgarh	Madumar	2018-19	Tikamgarh	10 Km	708	615
Tikamgarh	Khiriya	2018-19	Tikamgarh	10 Km	736	235
Tikamgarh	Karmari	2018-19	Tikamgarh	8 Km	620	246
Tikamgarh	Surajpur	2018-19	Tikamgarh	8 Km	950	155
Tikamgarh	Bhopalpura	2018-19	Prithvipur	55 Km	735	549
Tikamgarh	Tikamgarh	2019-20	Tikamgarh	8 Km	1500	1260
Tikamgarh	Nandanpur	2019-20	Jatara	30 Km	950	155
Tikamgarh	Hasgora	2019-20	Jatara	20 Km	708	615
Tikamgarh	Kanti	2019-20	Tikamgarh	20 Km	950	155
Tikamgarh	Charpuan	2019-20	Tikamgarh	30 Km	708	615
Tikamgarh	Chanderi	2019-20	Khargapur	60 Km	950	155
Tikamgarh	Godanwara	2019-20	Tikamgarh	30 Km	1000	445
Tikamgarh	Khajari	2019-20	Palera	70 Km	708	615
Tikamgarh	Jasbantnagar	2019-20	Tikamgarh	26 Km	615	578
Tikamgarh	Madumar	2019-20	Tikamgarh	10 Km	708	615
Tikamgarh	Khiriya	2019-20	Tikamgarh	10 Km	736	235
Tikamgarh	Karmari	2019-20	Tikamgarh	8 Km	620	246
Tikamgarh	Surajpur	2019-20	Tikamgarh	8 Km	950	155
Tikamgarh	Bhopalpura	2019-20	Prithvipur	55 Km	735	549

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

KVK Name	THRUST AREA
Tikamgarh	<b>Soybean</b> - (i) Imbalance dose of fertilizers (ii) Insect pest infestation (iii) Disease incidence (iv) Weed infestation (v) Old varieties
Tikamgarh	<b>Wheat</b> - (i) Imbalance dose of fertilizers (ii) Weed management (iii) Water management (iv) Termite management (v) Insect pest infestation (vi) Disease incidence
Tikamgarh	<b>Black gram</b> - Integrated disease management
Tikamgarh	<b>Chickpea</b> - Integrated pest management

Tikamgarh	<b>Jowar</b> - Introduction of High Yielding varieties
Tikamgarh	<b>Paddy</b> - (i) Replacement of old varieties (ii) Integrated nutrient management (iii) Integrated weed management (iv) Water management
Tikamgarh	<b>Mustard</b> - (i) Integrated nutrient management (ii) Integrated pest management
Tikamgarh	<b>Sesame</b> - (i) Replacement of old varieties and enhancement of seed replacement rate
Tikamgarh	<b>Ginger</b> - (i) Seed replacement (ii) Integrated disease management
Tikamgarh	<b>Chilli</b> - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	<b>Potato</b> - (i) Integrated nutrient management (ii) Integrated pest management (iii) Integrated disease management
Tikamgarh	<b>Tomato</b> - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	<b>Okra</b> – (i) Imbalance dose of fertilizers (ii) Pest management
Tikamgarh	<b>Ber</b> - Local varieties, top working and value addition
Tikamgarh	<b>Papaya, Mango and Guava</b> - (i) Value addition (ii) Introduction of New Varieties (iii) Nursery management
Tikamgarh	<b>Live Stock</b> - (i) Disease management (ii) Green Fodder (iii) Breed improvement (iv) Poultry management (v) Goatry management
Tikamgarh	<b>Women in Agriculture</b> – (i) Drudgery (ii) Mal nutrition (iii) Income generation (iv) Value addition
Tikamgarh	<b>Agricultural Engineering</b> – (i) Broad casting (ii) Lack of farm machinery
Tikamgarh	<b>Natural resource management</b> – (i) Unawareness about vermin 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 vegetable crops	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 Health 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 (OFT)

### 2.1 Details of OFT on Crop

KVK name	Year/ Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology/ Variety used			The matic Area	Crop Category	Name of Crop	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3							FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3
Tikamgarh	Kharif 2018	Blackgram yield gets affects from either excess rainfall or deficient rainfall	Assessment of black gram varieties with raised bed (10 inch height x 15 inch width & 5 inch depth with raised bed planter) planting	Refinement	Local variety T-9)+ use of indiscriminate of pesticides + flat bad sowing	PU 35+ raised bed planting method	IPU 94-1+ raised bed planting method	PLP	IDM	Blackgram	Rainfed	2 ha	05	8.5	12.4	14.8	19250	31000	37800
Tikamgarh	Kharif 2018	Low yield (37%) due to heavy infestation of fruit & shoot borer in brinjal (affected area 210 ha)	Assessment of management of shoot and fruit borer in brinjal variety BSS-998 (Hyb.)	Refinement	Use of old variety-Bhatuai + indiscriminate use of insecticides	BSS-998 (Hybrid) + Pheromone trap @1 for 400 sq.m. + Weekly release of 50,000 to 60,000 T. chilonis + two sprays of BT @1ml/L at 10 days interval at peak flowering.	T2 + Intercropping of brinjal (2 rows) with coriander/ fennel (one row)	PLP	IPM	Brinjal	Irrigated	2 ha	05	164	190	260	101200	117000	168000
Tikamgarh	Kharif 2018	Low yield (40%) due to heavy incidence of leaf curl viral disease (affected area 150 ha)	Assessment of integrated management of phytophthora in colocasia variety Muktakesi	Refinement	Use of old variety Ghuiyan + indiscriminate use of fungicides and no rhizome treatment)	Summer deep ploughing + local variety +Seed treatment	Summer deep ploughing + Variety Muktakesari+Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit at 15 daya interval on ETL level	PLP	IDM	Colocasia	Sandy loam - Irrigated	2 ha	05	107	135	161	56300	76500	94900
Tikamgarh	Rabi 2018-19	Low yield (35%) due to use of old varieties + heavy infestation of leaf curl virus complex	Assessment of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.)	Refinement	Use of old variety Laxmi + indiscriminate use of insecticide	NS 815 (Hybrid)+Dip seedlings in imidachloprid (0.3ml/l) or thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall	NS 815 (Hybrid)+Dip seedlings in imidachloprid (0.3ml/l) or thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall African marigold seedlings for every 16 rows of tomato.	PLP	IDM	Tomato	Rainfed	2 ha	05	160	225	285	98000	145000	188000

KVK name	Year/ Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology/ Variety used			The matic Area	Crop Category	Name of Crop	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3							FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3
							(0.3 ml/l) / thiomethoxam (0.3 gm/l) at 15 days after planting												
Tikamgarh	Rabi 2018-19	Low yield (37%) in yield due to heavy infestation of leaf curl mosaic virus in papaya (affected area 25 ha.)	Assessment of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.)	Refinement	Indiscriminate use of insecticide + local variety	Use of old variety Pusa Nanha+ application of imidachloropride 5 ml/15 lit. of water at 15 days interval after planting	Variety-Red Lady (Hy.) + application of imidachloropride 5 ml/15 lit. of water at 15 days interval after planting	PLP	IDM	Papaya	Irrigated	2 ha	05	130	180	235	400000	570000	760000
Tikamgarh	Kharif 2018	Low yield due to no use of micronutrients	Assessment of micronutrient S & Zn on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system	Assessment	Farmers practice N-20 P-40 K-0 kg/h RDF	N-20 P-60 K-20 kg/h RDF + 5 kg Zn + Rhizobium + PSB@5/kg seed	N-20 P-60 K-20 kg/h RDF + 20 kg S + Rhizobium + PSB@5/kg seed	INM	INM	Soybean	Rainfed	2 ha	05	6.92	11.12	14.14	10220	22920	33490
Tikamgarh	Kharif 2018	Low yield due to no use of micronutrients	Assessment of micronutrient S & Fe on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system	Assessment	Farmers practice N-20 P-60 K-0 kg/h RDF	N-20 P-60 K-20 kg/h RDF + 10 kg FeSO <sub>4</sub> + Rhizobium + PSB@5/kg seed	N-20 P-60 K-20 kg/h RDF + 20 kg S + Rhizobium + PSB@5/kg seed	INM	INM	Soybean	Rainfed	2 ha	05	7.04	10.78	13.32	10640	21730	30620
Tikamgarh	Rabi 2018-19	Use of imbalance dose of fertilizer (40:20:0 NPK Kg/ha), indiscriminate use of insecticides	Assessment of N & S in mustard to improve seed and oil yield under rainfed condition variety Pusa Mustard 25	Assessment	Farmers practice N-40 P-20 K-0	NPK 100:60:30 kg/ha + Rhizobium + PSB@5/kg seed	NPKS 100:60:30:60 kg/ha + Rhizobium + PSB@5/kg seed	INM	INM	Mustard	Rainfed	2 ha	05	9.7	12.36	13.86	14360	20408	24608
Tikamgarh	Rabi 2018-19	Low yield due to use of imbalance dose of fertilizer (20:40:0 NPK Kg/ha)	Assessment of S & Zn in chickpea under rainfed condition variety JG 14	Assessment	Farmers practice N-20 P-40 K-0	NPKS 20:50:30:20 + Rhizobium + PSB@5/kg seed	NPKN 20:50:30:05 + Rhizobium + PSB@5/kg seed	INM	INM	Chickpea	Rainfed	2 ha	05	9.3	12.18	14.08	27200	36720	44320
Tikamgarh	Kharif 2018	Severe infestation of thrips & mite reduces yield upto 76 % in 278 ha	Assessment of Efficacy of pest management modules against	Assessment	Imidacloprid 17.8 % SL @ 200 ml/ha	Seedling dip imidacloprid 1ml/l + Spray of need based	4% NSKE + Bevaria basiana 1L / ha	IPM	IDM	Chilli	Irrigated	2 ha	05	118.6	152.8	168.5	141100	187300	208550

KVK name	Year/ Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology/ Variety used			The matic Area	Crop Category	Name of Crop	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3							FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3
		area	pest complex in chilli variety Disha			biopesticide													
Tikamgarh	Rabi 2018-19	Low yield of tomato due to Bacterial wilt, Early blight & Tomato Leaf Curl Virus disease in 322 ha area.	Assessment of Tomato variety triple disease resistant hybrid variety Arka Rakshak	Assessment	Use of old variety Pusa Rubi	Triple Disease Resistant Hybrid Arka Rakshak	Kashi Aman resistant to Early blight	HOV	VR	Tomato	Irrigated	2 ha	05	270.5	345.6	460	142825	186140	254300
Tikamgarh	Rabi 2018-19	Low irrigation efficiency, low yield	Assessment of mulching and Drip irrigation technology in Chilli variety Kashi Anmol	Assessment	Flood Irrigation and no use of Mulching and Kashi Anmol	Use of paddy & sugarcane leaves for mulching and Kashi Anmol	Drip Irrigation and use of 30 micron white silver Mulching and Kashi Anmol	IWM		Chilli	Irrigated	2 ha	05	120.8	146.6	164.5	146800	181500	205550

### Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of black gram varieties with raised bed (10 inch height x 15 inch width & 5 inch depth with raised bed planter) planting	IPU 94-1+ raised bed planting method	IPU 94-1+ raised bed planting method
Assessment of management of shoot and fruit borer in brinjal variety BSS-998 (Hyb.)	T2 + Intercropping of brinjal (2 rows) with coriander/ fennel (one row)	T2 + Intercropping of brinjal (2 rows) with coriander/ fennel (one row)
Assessment of integrated management of phytophthora in colocasia variety Muktakesi	Summer deep ploughing + Variety Muktakesari+Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit at 15 daya interval on ETL level	Summer deep ploughing + Variety Muktakesari+Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit at 15 daya interval on ETL level
Assessment of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.)	NS 815 (Hybrid)+Dip seedlings in imidachloprid (0.3ml/l) or thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall African marigold seedlings for every 16 rows of tomato + Spray Imidachloprid (0.3 ml/l) / thiomethoxam (0.3 gm/l) at 15 days after planting	NS 815 (Hybrid)+Dip seedlings in imidachloprid (0.3ml/l) or thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall African marigold seedlings for every 16 rows of tomato + Spray Imidachloprid (0.3 ml/l) / thiomethoxam (0.3 gm/l) at 15 days after planting
Assessment of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.)	Variety-Red Lady (Hy.) + application of imidachloropride 5 ml/15 lit. of water at 15 days interval after planting	Variety-Red Lady (Hy.) + application of imidachloropride 5 ml/15 lit. of water at 15 days interval after planting
Assessment of micronutrient S & Zn on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system	N-20 P-60 K-20 kg/h RDF + 5 kg Zn + Rhizobium + PSB@5/kg seed	N-20 P-60 K-20 kg/h RDF + 20 kg S + Rhizobium + PSB@5/kg seed
Assessment of micronutrient S & Fe on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system	N-20 P-60 K-20 kg/h RDF + 10 kg FeSO <sub>4</sub> + Rhizobium + PSB@5/kg seed	N-20 P-60 K-20 kg/h RDF + 20 kg S + Rhizobium + PSB@5/kg seed
Assessment of N & S in mustard to improve seed and oil yield under rainfed condition variety Pusa Mustard 25	NPK 100:60:30 kg/ha + Rhizobium + PSB@5/kg seed	NPKS 100:60:30:60 kg/ha + Rhizobium + PSB@5/kg seed

Assessment of S & Zn in chickpea under rainfed condition variety JG 14	NPKS 20:50:30:20 + Rhizobium + PSB@5/kg seed	NPKZn 20:50:30:05 + Rhizobium + PSB@5/kg seed
Assessment of Efficacy of pest management modules against pest complex in chilli variety Disha	Seedling dip imidacloprid 1ml/l + Spray of need based biopesticide	4% NSKE + Bevaria basiana 1L / ha
Assessment of Tomato variety triple disease resistant hybrid variety Arka Rakshak	Triple Disease Resistant Hybrid Arka Rakshak	Kashi Aman resistant to Early blight
Assessment of mulching and Drip irrigation technology in Chilli variety Kashi Anmol	Use of paddy & sugarcane leaves for mulching and Kashi Anmol	Drip Irrigation and use of 30 micron white silver Mulching and Kashi Anmol

## 2.2 Economic Performance

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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )
Assessment of black gram varieties with raised bed (10 inch height x 15 inch width & 5 inch depth with raised bed planter) planting	MYMV -Disease incidence (%)	22	2	1	10500	12400	14000	29750	43400	51800	19250	31000	37800	2.8	3.5	3.7
	No. of pods/plant	16	25	30												
	Yield (q/ha)	8.5	12.4	14.8												
Assessment of management of shoot and fruit borer in brinjal variety BSS-998 (Hyb.)	Insect infestation (%)	47.3	5.3	1.5	30000	35000	40000	131200	152000	208000	101200	117000	168000	4.3	4.4	5.2
	No. of fruits/plant	14	22	28												
	Weight of fruit/plant	36	61	75												
	Yield (q/ha)	164	190	260												
Assessment of integrated management of phytophthora in colocasia variety Muktakesi.	No. of rhizome/plant	21	32	47	40000	45000	50000	96300	121500	144900	56300	76500	94900	2.4	2.7	2.9
	Weight of rhizome/plant(g)	28	36	51												
	Disease incidence (%)	62	10	2.3												
	Yield (q/ha)	107	135	161												
Assessment of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.)	Weight of fruit(g)	166	180	208	30000	35000	40000	128000	180000	228000	98000	145000	188000	4.3	5.1	5.7
	Disease incidence (%)	35.2	7.4	2.1												
	No. of fruits/plant	68	75	98												
	Yield(q/ha)	160	225	285												
Assessment of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.)	Disease incidence (%)	26.3	10	3.4	120000	150000	180000	520000	720000	940000	400000	570000	760000	4.3	4.8	5.2
	No. of fruit/plant	45	76	102												
	Weight of fruit (g)	1.3	1.7	2.0												
	Yield (q/ha)	130	180	235												
Assessment of micronutrient S & Zn on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system.	No. pods/plant	11	14	18	14000	16000	16000	24220	38920	49490	10220	22920	33490	1.7	2.4	3.1
	Yield (q/ha)	6.92	11.12	14.14												
Assessment of micronutrient S & Fe on the basis of RDF in soybean variety JS 20-29 under soybean-wheat cropping system.	No. pods/plant	12	15	18	14000	16000	16000	24640	37730	46620	10640	21730	30620	1.8	2.4	2.9
	Yield (q/ha)	7.04	10.78	13.32												
Assessment of N & S in mustard to improve seed and oil yield under rainfed condition variety Pusa	No. of siliqua/plant	155	168	182	12800	14200	14200	27160	34608	38808	14360	20408	24608	2.1	2.4	2.7
	Test weight (g)	5.33	5.46	5.62												

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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )
Mustard 25.	Yield (q/ha)	9.7	12.36	13.86												
Assessment of S & Zn in chickpea under rainfed condition variety JG 14.	No. pods/plant	49	53	59	10000	12000	12000	37200	48720	56320	27200	36720	44320	3.7	4.1	4.7
	No. of root nodules/plant	11.2	11.6	12.2												
	Yield (q/ha)	9.3	12.18	14.08												
Assessment of Efficacy of pest management modules against pest complex in chilli variety Disha	Infestation in (%)	39.7	4.6	2.8	36800	41900	44200	177900	229200	252750	141100	187300	208550	4.8	5.5	5.7
	No. of fruits/plant	98	132	144												
	Fruit weight/plant (kg)	0.58	0.75	0.85												
	Yield (q/ha)	118.6	152.8	168.5												
Assessment of Tomato variety triples disease resistant hybrid variety Arka Rakshak.	No of fruit/plant (kg)	24	35	48	33000	38500	44700	175825	224640	299000	142825	186140	254300	5.3	5.8	6.7
	Fruit weight/plant (kg)	2.2	2.8	3.6												
	Yield (kg/ha)	270.5	345.6	460												
Assessment of mulching and Drip irrigation technology in Chilli variety Kashi Anmol.	Water Saving (%)	8	28	36	34400	38400	41200	181200	219900	246750	146800	181500	205550	5.3	5.7	6.0
	No of fruit/plant (kg)	96	116	128												
	Fruit weight/plant (kg)	0.56	0.72	0.80												
	Yield (q/ha)	120.8	146.6	164.5												

### 2.3 Details of OFT on Agriculture Engineering

KVK name	Year/Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology used			Thematic Area	Crop/Enterprise Category	Crop/enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3							FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

### Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

### 2.4 Economic Performance

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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	(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> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2.5 Details of OFT on Animal Science

KVK name	Year/season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology used			Thematic Area	Category of Enterprise	Name of Enterprise	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T <sub>3</sub>	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T <sub>3</sub>
Tikamgarh	Rabi 2018-19	Rearing of local colour bird with egg as well as meat production	Assessment of kadaknath in backyard poultry farming	Assessment	Local bird	Kadaknath		Poultry farming	LPM	Poultry	05	05	1.2	1.1	-	260	421	-
Tikamgarh	Rabi 2018-19	Low milk yield due to lack of protein rich fodder in dairy animal	Assessment of Azolla cultivation and feeding to dairy animals on milk production	Assessment	Straw + Cakes+ Chuni	Straw+ Balance feed+ Azolla		Feed management	LPM	Dairying	05	05	5.8	6.6	-	3818	4710	-
Tikamgarh	Rabi 2018-19	Conservation of fodder is not practiced results in nutrient losses and energy losses	Assessment of conservation of fodder as hay on milk yield of buffaloes	Assessment	Straw + Cakes+ Chuni	Straw + Cakes+ Chuni + 12 kg hay		LPM	LPM	Dairying	05	05	4.57	5.46	-	2314	3617	-

### Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of kadaknath in backyard poultry farming	5	100
Assessment of Azolla cultivation and feeding to dairy animals on milk production	5	25
Assessment of conservation of fodder as hay on milk yield of buffaloes	5	75

## 2.6 Economic Performance

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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	(T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )
Assessment of Kadaknath in backyard poultry farming	Yearly Egg production	-	-	-												
	Body weight of male bird at the marketing age	1.2	1.1	-	100	145	-	360	550	-	260	405	-	3.6	3.8	-
Assessment of Azolla cultivation and feeding to dairy animals on milk production	Milk yield	5.8	6.6	-	4882	5190	-	8700	9900	-	3818	4710	-	1.78	1.90	-

Assessment of conservation of fodder as hay on milk yield of buffaloes	Milk yield	4.5	5.4	-	4586	4633	-	6900	8250	-	2314	3617	-	1.5	1.78	-
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## 2.7 Details of OFT on Fisheries

KVK Name	Year/Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Name of Technology used			Thematic Area	Category of Enterprise	Name of Enterprise	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3						FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	T3
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

### Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

## 2.8 Economic Performance

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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	(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> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2.9 Details of OFT on Agriculture Extension

S. No	KVK Name	Season & Year	Problem identified	Title of OFT	Thematic Area	Name of Technology assessed	Source of Technology (Year)	Farmers Practice (T <sub>1</sub> )	Assessed Rec. Practice (T <sub>2</sub> )	Refined practice, if Any (T <sub>3</sub> )	Variety	No. of Village	No. of Trials (Replication)
-	Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-

### Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

## 2.10 Performance of OFT

KVK Name	Name of parameter			Data on the parameter			Result of assessment
	1	2	3	1	2	3	
Tikamgarh	-	-	-	-	-	-	-

## 2.11 Information about Home Science OFT: (For All Thematic Area)

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-

## 2.11 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

KVK name	OFT Title	Output m2/h		Est. Energy Expenditure kj/min.		Performance Indicator / Parameter									
		T1	T2	T1	T2	WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
						T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2.11(B) Economic Performance Home Science OFT: (For Income Generation)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2.11 (C) Economic Performance Home Science OFT: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

## 2.11(D) Economic Performance Home Science OFT: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter		Nutrient Intake (Unit)				Anthropometric measurements		
		Name of vegetable/Fruit/Product	Per capita Consumption gm/	Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm )	Increase in BMI (%)



		day		T1		T2		T1		T2		T1		T2		T1		T2	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2.10 Feedback from KVK to Research System

Name of KVK	Feedback
Tikamgarh	<b>OFT – 1</b> Assessment of black gram varieties with raised bed (10 inch height x 15 inch width & 5 inch depth with raised bed planter) planting. <b>Feedback</b> - Ridge & Furrow / BBF sowing machine should be developed as per the physical condition of Tikamgarh soil. The resistance varieties against the blackgram should be ensures their availability at local market and custom hiring center should be at local level.
Tikamgarh	<b>OFT – 2</b> Assessment of management of shoot and fruit borer in brinjal variety BSS-998 (Hyb.) <b>Feedback</b> – Resistant varieties against the shoot and fruit borer of brinjal should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availablely at the local market.
Tikamgarh	<b>OFT – 3</b> Assessment of integrated management of phytophthora in colocasia variety Muktakesi. <b>Feedback</b> - Resistant varieties against the phytophthora of colocasia should be developed and ensured the availability of varieties at local level on the cheap cost. The safe fungicide should be ensured too availablely at the local market.
Tikamgarh	<b>OFT – 4</b> Assessment of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.) <b>Feedback</b> - Resistant varieties against the leaf curl virus of tomato should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availablely at the local market.
Tikamgarh	<b>OFT – 5</b> Assessment of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.) <b>Feedback</b> - Resistant varieties against the leaf curl mosaic virus of papaya should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availablely at the local market.

## 3. Achievements of Frontline Demonstrations (FLD)

### 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 (2017-18)

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
Tikamgarh	Bottle gourd	HOS	Old Variety MHBG-8 & no use of Bower tech. High	Field demonstration, Field days, Farmers Training,	27	86	17.2

			yielding and improved variety Kashi Ganga with Bower tech.	Media coverage, Training for extension functionaries			
Tikamgarh	Cow Pea	HOS	Use of old variety selection 2 -1 and no use of Ridge method technology. Use of Ridge sowing method & High Yielding variety CP-4	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	22	56	11.4
Tikamgarh	Mango	ICM	Spray of fungicide Spraying of fungicide Diathane M-45. Spray of NAA (Planofix) @ 200 ppm	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	24	44	8.5
Tikamgarh	Pea	HOS	Use of old and late variety AP-1. High yielding and improved early variety Kashi Udai	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	46	96	28
Tikamgarh	Soybean	ICM	Deep summer ploughing, seed treatment, Ridge & Furrow system	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	18	44	22
Tikamgarh	Blackgram	ICM	Certified seed + seed treatment with Carbendazim, inoculation with Rhizobium + PSB , Soil test basis application of fertilizers, IPM measures	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	28	142	108
Tikamgarh	Mustard	ICM	Certified seed (Rohani) + seed treatment with Imidacloprid (Goucho) @ 5ml/kg seed, Bentonite sulphur @ 12.5 kg/ha, RDF 80:40:20:20 NPKS and IPM measures	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	19	104	96
Tikamgarh	Chick pea	ICM	Certified seed, seed treatment with Carbendazim @ 3 gm/kg seed, inoculation of Rhizobium and PSB, NPK 20:60:20 kg/ha, Bird preachers @ 50/ha, pheromone traps @ 5/ha and need based application of insecticide	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	26	122	186
Tikamgarh	Soybean	PLP	Deep summer ploughing + spraying of Trizophos 25 EC @ 800 ml/ha after 40-DAS + 3 spraying of Neem oil @ 50 ml/liter of water at 20 days interval	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	17	48	98
Tikamgarh	Papaya	PLP	Red Laddy (Hybrid) + avoid mechanically transmitting + application of Imidachloropride 5 ml/15 lit. of water at 15 days interval after planting	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	18	34	9.4
Tikamgarh	Onion	PLP	Pusa Light Red + spray of Imidachloropride @ 5ml/15 liter of water @ at 15 days interval + Spray Neem seed powder extract (4%) or Neem soap (1%) 4-5 times at 10 days interval need based	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	14	44	16.4
Tikamgarh	Chili	PLP	Disha (Hybrid) + Dip seedlings in Imidacloprid (0.3ml/l) or Thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall African marigold seedlings for every 16 rows of tomato. Spray Imidacloprid (0.3 ml/l) / Thiomethoxam (0.3 gm/l) at 15 days after planting	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	12	38	26.8
Tikamgarh	Dairying	LPM	Demonstration of Vit- E and selenium on amelioration of negative effect of heat stress in buffaloes	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	16	50	82 animals

Tikamgarh	Dairying	LPM	Demonstration of UMMB feeding on milk yield in the buffaloes	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	12	46	76 animals
Tikamgarh	Dairying	LPM	Demonstration of Silage feeding on milk yield in lactating buffaloes	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	18	52	78 animals

### 3.2 Details of FLDs on Crop to be implemented during 2018-19

KVK Name	Year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Tikamgarh	2018	Kharif	PLP	Suprabha + Deep summer ploughing + soil solarization with white polythene sheet + rhizome treatment with Ridomil MZ 78 @ 3 g/lit. of water	Ginger	Suprabha	1 ha	110.7	152.2	37.4	3	0	7	2	12
Tikamgarh	2018-19	Rabi	PLP	Chickpea variety JG-16 with raised bed planter (10 inch height x 15 inch width & 5 inch depth) planting + Seed treatment with <i>T. viride</i> @5 g/Kg seed + Vitavax @ 2.5 g/Kg of seed + Pheromone trap@10/ha + bird percher @50/ha + spray of Profenophas @1.5 lit/ha of water	Chickpea	JG-16	5 ha	12.5	16.5	32.0	4	0	8	0	12
Tikamgarh	2018-19	Rabi	PLP	RDF 90:60:40:05 NPKZn @Kg/ha,5Kg Zn through ZnSo4 + Bio-fertilizers @20g/Kg seed treatment	Wheat	GW-322	5 ha	40	46	15.0	3	1	7	1	12
Tikamgarh	2018-19	Rabi	INM	T <sub>1</sub> – Farmer Practice (N-80 P-40 K-0 kg/ha.) T <sub>2</sub> – N-100 : P-60 : K-30 : Zn – 25 kg/ha.	Wheat	GW-322	4 ha	34.08	43.92	28.8	0	0	3	2	5
Tikamgarh	2018-19	Rabi	INM	T <sub>1</sub> – Farmer Practice (N-80 P-57 K-0 kg/ha.) T <sub>2</sub> – N-120 : P-100 : K-100 : NPK kg/ha.	Potato	Kufri badshah	2 ha	235	291	23.8	0	0	4	1	5
Tikamgarh	2018	Kharif	ICM	Foliar application of WSF 18:18:18 @ 10 gm/liter at 20, 40 DAS and seed sowing on ridge	Okra	Kashi Kranti	2 ha	76.2	127.5	67.3	1	0	10	1	12
Tikamgarh	2018	Kharif	HOV	T1 - Old Variety MHBG-8 and no use of Bower system in Kharif season T2 - High yielding and improved Kashi Ganga with Bower tech.	Bottle gourd	Kashi Ganga	2 ha	244.8	365.4	49.2	2	0	10	0	12
Tikamgarh	2018-19	Rabi	INM	T1 - No use of Boron T2 - Soil application of Borax @ 20 kg/ha before transplanting	Cauliflower	Pusa Hybrid-2	1 ha	154.9	224.4	44.8	3	0	8	1	12
Tikamgarh	2018-19	Rabi	IWM	T1 – No use of weedicide T2 – Application of Pendimethalin 38.7 % (Stamp Extra) 1750 ml/ha. (Energy saving) and early variety Kashi Mukti	Pea	Kashi Mukti	1 ha	69.5	106.2	52.8	0	0	10	2	12

### 3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Tikamgarh	Suprabha + Deep summer ploughing + soil solarization with white polythene sheet + rhizome treatment with Ridomil MZ 78 @ 3 g/lit. of water	Ginger	Disease (%)	25	1	120000	130000	553500	761000	433500	631000	4.6	5.9
			Weight of rhizome(g)	42	80								
			Yield q/ha	110.7	152.2								
Tikamgarh	Chickpea variety JG-16 with raised bed planter (10 inch height x 15 inch width & 5 inch depth) planting + Seed treatment with <i>T. viride</i> @5 g/Kg seed + Vitavax @ 2.5 g/Kg of seed + Pheromone trap@10/ha + bird percher @50/ha + spray of Profenophas @1.5 lit/ha of water	Chickpea	Pod borer infestation (%)	20	1	14900	16800	51250	67650	36350	50850	3.4	4.1
			Disease incidence (%)	22	1								
			No. of pods/plant	40	62								
			Yield (q/ha)	12.5	16.5								
Tikamgarh	RDF 90:60:40:05 NPKZn @Kg/ha,5Kg Zn through ZnSo4 + Bio-fertilizers @20g/Kg seed treatment	Wheat	Test weight of grain (g)	27	42	20000	22000	73600	84640	55600	62640	3.6	3.8
			No. of grains/ear	32	54								
			Yield (q/ha)	40	46								
Tikamgarh	T <sub>1</sub> – Farmer Practice (N-80 P-40 K-0 kg/ha.) T <sub>2</sub> – N-100 : P-60 : K-30 : Zn – 25 kg/ha.	Wheat	No. of Tillers/plant	4	9	20000	21000	61344	79056	41344	58056	3.1	3.8
			Yield (q/ha)	34.08	43.92								
Tikamgarh	T1 – Farmer Practice (N-80 P-57 K-0 kg/ha.) T2 – N-120 : P-100 : K-100 : NPK kg/ha.	Potato	No. of Tubers/plant (gm.)	532	874	30000	31000	188000	232800	158000	201800	6.3	7.5
			Yield (q/ha)	235	291								
Tikamgarh	Foliar application of WSF	Okra	No of fruits/plant	8	17	24700	36500	114300	191250	89600	154750	4.6	5.2

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
	18:18:18 @ 10 gm/liter at 20, 40 DAS and seed sowing on ridge		Fruit weight/plant	0.17	0.28								
			Yield (q/ha)	76.2	127.5								
Tikamgarh	T1 - Old Variety MHBG-8 and no use of Bower system in Kharif season T2 - High yielding and improved Kashi Ganga with Bower tech.	Bottle gourd	No. of fruit/plant	9	13	26400	32600	195840	292320	169440	259720	7.4	9.0
			Fruit weight/plant	10.25	15.85								
			Yield (q/ha)	244.8	365.4								
Tikamgarh	T1 - No use of Boron T2 - Soil application of Borax @ 20 kg/ha before transplanting	Cauliflower	Curd Color	Whitish Yellow	White	24700	30800	154900	224400	130200	193600	6.3	7.3
			Curd weight	0.385	0.465								
			Yield (q/ha)	154.9	224.4								
Tikamgarh	T1 - No use of weedicide T2 - Application of Pendimethalin 38.7 % (Stamp Extra) 1750 ml/ha. (Energy saving) and early variety Kashi Mukti	Pea	No. of Pod/plant	5	8	21500	26400	83400	127440	61900	101040	3.9	4.8
			Pod weight/plant	0.205	0.360								
			Yield (q/ha)	69.5	106.2								

### 3.4 Details of FLDs on Agriculture Engineering to be implemented during 2018-19

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.5 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.6 Details of FLDs on Animal Science to be implemented during 2018-19

KVK Name	Year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Tikamgarh	2018	Kharif	LPM	Vit E and Selenium	LPM	Dairying	12	9.0	9.9	10	01	-	11	-	12
Tikamgarh	2018	Kharif	LPM	100 mg/kg BW 30 days prepartum to 200 mg/kg BW 30 days postpartum	LPM	Dairying	12	6.1	6.9	13	01	-	11	-	12
Tikamgarh	2018-19	Rabi	LPM	Feed offered 350 grams per day from 6 months of age to 12 months	LPM	Dairying	12	23	28	21	-	-	12	-	12
Tikamgarh	2018-19	Rabi	LPM	Source of protein, Carbohydrate and Minerals	LPM	Dairying	12	3.59	4.58	27.6	-	-	12	-	12

### 3.7 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/Enterprise	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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Tikamgarh	Vit E and Selenium	LPM	Feed intake (Kg/100 kg body weight)	2.58	3.20	6480	7028	10800	12880	4320	5752	1.66	1.83
			Rectal temperature (°C)	39.5	38.5								
			Respiration/minute	35	32								
			Milk yield (kg/day)	9.0	9.9								
Tikamgarh	100 mg/kg BW 30 days prepartum to 200 mg/kg BW 30 days postpartum	LPM	Conception percentage	2.2	1.3	5004	5400	9015	10350	4011	4950	1.80	1.91
			Milk yield	6.1	6.9								
Tikamgarh	Feed offered 350 grams per day from 6 months of age to 12 months	LPM	Weight gain (kg)	23	28	1842	2102	4600	5600	2758	3498	1.49	2.66
			Maturity period (month)	17	15								
Tikamgarh	Source of protein, Carbohydrate and Minerals	LPM	Milk production (l/day)	3.59	4.58	4002	4237	6406	8218	2404	3981	1.60	1.94
			Feed Intake ((Kg/100 kg body weight)	2.50	3.00								

### 3.8 Details of FLDs on Fishery to be implemented during 2018-19

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.9 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.10 Details of FLDs on Agriculture Extension to be implemented during 2018-19

KVK Name	Season & Year	Problem identified	Title	Thematic Area	Source of Technology (Year)	Detail of Technology Demonstrated	Area (ha)	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Variety	No. of Village	No of Demonstration	No. of farmers					
													SC	ST	Others	General	Total	
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.11 Impact of FLD

KVK Name	Name of parameter			Data on the parameter			Result	Feedback from the farmer
	1	2	3	1	2	3		
Tikamgarh								

### 3.12 Information about Home Science FLDs - (For All Thematic Area)

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/ Technology/ Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Tikamgarh	-	-	-	-	-	-	-	-	-	-

### 3.12 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

KVK name	OFT Title	Output m <sup>2</sup> /h		Est. Energy Expenditure kj/min.		Performance Indicator / Parameter										
		T1	T2	T1	T2	WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost		
						T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.12 (B) Economic Performance Home Science FLD: (For Income Genration)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.12 (C) Economic Performance Home Science FLD: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

### 3.12 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

### 3.13 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Tikamgarh	Soybean	Training – IWM	01	32	Back stopping for Farmers
Tikamgarh	Soybean	Training – INM	01	23	Back stopping for Farmers
Tikamgarh	Soybean	Training – IPM	01	21	Back stopping for Farmers
Tikamgarh	Mustard	Trainings – ICM	01	25	Back stopping for Farmers
Tikamgarh	Mustard	Field day	01	39	Back stopping for Farmers
Tikamgarh	Blackgram	Training – ICM	01	32	Back stopping for Farmers
Tikamgarh	Chickpea	Training – ICM	01	33	Back stopping for Farmers



### 3.14 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Tikamgarh	Nil	Nil	Nil	Nil	Nil

## 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	<b>OFT – 1</b> Farmers appreciate the technology and agree with the technology because the technology increase the yield and reduced the diseases of blackgram. Farmer wants appropriate R & F / BBF machine as per the soil of Tikamgarh district and them also want resistant varieties availability at local level.	Farmers interaction	OFT	Converted into FLD
Tikamgarh	<b>OFT – 2</b> Farmers appreciate and agree with the technology because of increase the yield and reduced the shoot and fruit borer of brinjal infestation. Farmer wants availability of resistant variety of brinjal against the shoot and fruit borer and quality insecticide their availability at local level.	Farmers interaction	OFT	Converted into FLD
Tikamgarh	<b>OFT – 3</b> Farmers appreciate and agree with the technology because of increase the yield and reduced the phytophthora of colocasia incidence. Farmer wants availability of resistant variety of colocasia against the phytophthora and quality fungicide their availability at local level.	Farmers interaction	OFT	Converted into FLD
Tikamgarh	<b>OFT – 4</b> Farmers appreciate and agree with the technology because of increase the yield and reduced the leaf curl virus of tomato incidence. Farmer wants availability of resistant variety of tomato against the leaf curl virus and quality insecticide their availability at local level.	Farmers interaction	OFT	Converted into FLD
Tikamgarh	<b>OFT – 5</b> Farmers appreciate and agree with the technology because of increase the yield and reduced the leaf curl mosaic virus of papaya incidence. Farmer wants availability of resistant variety of papaya against the leaf curl mosaic virus and quality insecticide their availability at local level.	Farmers interaction	OFT	Converted into FLD
Tikamgarh	<b>FLD – 1</b> Farmers were convinced with the performance of the technology - Suprabha + Deep summer ploughing + soil solarization with white polythene sheet + rhizome treatment with Ridomil MZ 78 @ 3 g/lit. of water	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	<b>FLD – 2</b> Farmers were convinced with the performance of the technology - Chickpea variety JG-16 with raised bed planter (10 inch height x 15 inch width & 5 inch depth) planting + Seed treatment with <i>T. viride</i> @5 g/Kg seed + Vitavax @ 2.5 g/Kg of seed + Pheromone trap@10/ha + bird percher @50/ha + spray of Profenophas @1.5 lit/ha of water	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	<b>FLD – 3</b> Farmers were convinced with the performance of the technology - RDF 90:60:40:05 NPKZn @Kg/ha,5Kg Zn through ZnSo4 + Bio-fertilizers @20g/Kg seed treatment	Farmers interaction	FLD	Adoption is satisfactory

## 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Tikamgarh	<b>OFT – 1</b> Assessment of black gram varieties with raised bed (10 inch height x 15 inch width & 5 inch depth with raised bed planter) planting. <b>Feedback</b> - Ridge & Furrow / BBF sowing machine should be developed as per the physical condition of Tikamgarh soil. The resistance varieties against the blackgram should be ensures their availability at local market and custom hiring center should be at local level.
Tikamgarh	<b>OFT – 2</b> Assessment of management of shoot and fruit borer in brinjal variety BSS-998 (Hyb.) <b>Feedback</b> – Resistant varieties against the shoot and fruit borer of brinjal should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availably at the local market.
Tikamgarh	<b>OFT – 3</b> Assessment of integrated management of phytophthora in colocasia variety Muktakesi. <b>Feedback</b> - Resistant varieties against the phytophthora of colocasia should be developed and ensured the availability of varieties at local level on the cheap cost. The safe fungicide should be ensured too availably at the local market.
Tikamgarh	<b>OFT – 4</b> Assessment of integrated management of leaf curl virus in tomato variety NS 815 (Hyb.) <b>Feedback</b> - Resistant varieties against the leaf curl virus of tomato should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availably at the local market.
Tikamgarh	<b>OFT – 5</b> Assessment of integrated management of leaf curl mosaic virus in papaya variety Red Lady (Hyb.) <b>Feedback</b> - Resistant varieties against the leaf curl mosaic virus of papaya should be developed and ensured the availability of varieties at local level on the cheap cost. The safe insecticide should be ensured too availably at the local market.

## 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
Tikamgarh	Nil	Nil	Nil	Nil

## 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 for Farmers**

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants			
							Gen	SC	ST	Others

							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Tikamgarh	FW	OFC	PLP	Deep Summer Ploughing & Pest Management	01	02	7	0	3	0	0	0	14	0
Tikamgarh	FW	ONC	PLP	Stored grain pest	01	02	6	0	5	0	1	0	11	0
Tikamgarh	FW	OFC	PLP	Biological insect pest & disease management	01	02	3	0	6	2	0	0	6	3
Tikamgarh	FW	ONC	PLP	Integrated disease management in blackgram	01	02	5	0	3	0	0	0	9	5
Tikamgarh	FW	OFC	PLP	Integrated disease management in chilli	01	02	6	0	3	0	0	0	7	4
Tikamgarh	FW	OFC	PLP	Integrated disease management in tomato	01	02	7	0	4	2	2	0	9	4
Tikamgarh	FW	OFC	PLP	Integrated pest management in mustard	01	02	4	0	2	0	0	0	11	0
Tikamgarh	FW	ONC	PLP	Integrated pest management in brinjal	01	02	10	0	5	0	0	0	3	0
Tikamgarh	FW	OFC	PLP	Integrated disease management in colocasia	01	02	8	2	4	0	0	0	7	4
Tikamgarh	FW	OFC	PLP	Integrated disease management in Rabi crops	01	02	7	0	5	0	0	0	8	0
Tikamgarh	FW	OFC	PLP	Integrated pest management in chickpea	01	02	8	0	4	0	0	0	8	0
Tikamgarh	FW	ONC	PLP	Integrated pest management in vegetables	01	02	3	0	5	0	0	0	9	0
Tikamgarh	FW	ONC	PLP	Integrated insect-pest management in rabi crops	01	02	8	1	3	0	0	0	8	0
Tikamgarh	FW	ONC	HOS	Production technology of Tomato and chilli with mulching & drip irrigation	01	02	6	0	10	0	0	0	16	0
Tikamgarh	FW	ONC	HOF	Plantation, Training & pruning of Guava.	01	02	2	0	5	2	0	0	28	6
Tikamgarh	FW	ONC	RHY	Preparation of nursery management of kharif season vegetable crops	01	02	0	0	8	0	4	0	26	0
Tikamgarh	FW	ONC	HOV	Production techniques of bottle guard & bitter gurad in summer season	01	02	2	0	4	0	0	0	14	6
Tikamgarh	FW	ONC	HOV	Production techniques of bottle guard through bower system in kharif season	01	02	0	0	11	19	2	0	4	2
Tikamgarh	FW	ONC	HOV	Production technology of okra in kharif season	01	02	0	0	10	8	2	0	6	4
Tikamgarh	FW	ONC	HOV	Production technology of Onion & Garlic	01	02	3	0	0	0	0	0	18	3
Tikamgarh	FW	ONC	HOV	Production technology of brinjal crops with mulching system	01	02	2	0	4	0	0	0	18	2
Tikamgarh	FW	ONC	HOF	Management of orchards for good quality fruiting	01	02	0	0	7	0	0	0	8	0
Tikamgarh	FW	ONC	HOF	Management of orchards (Mango)	01	02	4	0	1	0	0	0	16	4
Tikamgarh	FW	OFC	INM	Importance of Soil testing	01	02	6	0	1	0	0	0	16	0
Tikamgarh	FW	OFC	INM	Role of NPK	01	02	20	0	1	0	0	0	4	0
Tikamgarh	FW	OFC	INM	Time of Soil sampling	01	02	2	0	6	0	0	0	9	0

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Tikamgarh	FW	OFC	INM	Soil sampling procedure	01	02	1	0	3	0	0	0	10	0
Tikamgarh	FW	OFC	INM	Use of micro-nutrient in standing crops	01	02	4	0	5	0	1	0	22	0
Tikamgarh	FW	OFC	LPM	Spineless cactus production	01	02	0	0	0	0	0	0	24	0
Tikamgarh	FW	OFC	LPM	Method of hay making and its importance	01	02	0	0	1	1	0	0	18	1
Tikamgarh	FW	OFC	LPM	Importance of UMMB feeding in dairy animals	01	02	1	0	0	1	0	0	11	5

**Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth**

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
Tikamgarh	RY	OFC	Mushroom Production	01	02	4	0	2	0	0	0	14	0
Tikamgarh	RY	OFC	Bee Keeping	01	02	3	0	1	0	0	0	11	0
Tikamgarh	RY	ONC	Small poultry farmers training	04	02	3	1	12	3	0	0	1	0
Tikamgarh	RY	ONC	Nursery worker farmers training	03	02	1	0	3	0	1	0	15	0

**Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel**

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
Tikamgarh	IS	OFC	Integrated disease management in Kharif crops	01	02	6	0	4	0	2	0	13	0
Tikamgarh	IS	OFC	Integrated disease management in Rabi crops	01	02	18	0	8	0	4	0	38	0
Tikamgarh	IS	ONC	Diseases & Insect Pest management in forest and fruits crops	01	03	20	6	10	2	3	1	35	10
Tikamgarh	IS	ONC	Importance of FYM	01	01	18	0	2	0	0	0	8	0
Tikamgarh	IS	ONC	Management of dairy animals	01	01	19	0	4	0	0	0	11	0

**Table 5.4. Details of Vocational / Skill development training programmes for Rural Youth conducted by the KVKs**

Name of KVK	Thematic Area	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
Tikamgarh	LPM	Small poultry farmers training	Poultry	Backyard farming	04	30	3	1	12	3	0	0	1	0
Tikamgarh	HOS	Nursery worker farmers training	Nursery	Management	03	25	1	0	3	0	1	0	15	0

**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)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	

**Table 5.6. 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 else where
		Type of units	Number of units	Number of persons employed	
Tikamgarh	Nil	Nil	Nil	Nil	Nil

**Table 5.7 Training Programmes for Panchayati raj 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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	

**Table 5.8 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)
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			Before	After	Before	After	Before	After	2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

## 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	Topics	Crop Stages
				M	F	M	F	M	F			
Tikamgarh	Advisory Services	34	35	20010	148	4920	58	122	5	To provide agricultural information	All agriculture & animal husbandry best information	All Stages
Tikamgarh	Animal Health Camp	02	02	187	43	148	14	10	-	LPM	Animal Health	-
Tikamgarh	Celebration of important days	04	05	940	212	158	103	52	5	Motivation	Environment Day, Soil Health Day, Women day, World Food day, Sankalp day and Bee Keeping Day	-
Tikamgarh	Diagnostic visits	62	68	976	162	497	83	12	5	Diagnosis of Agricultural related problems	IDM, IPM, INM, CPM	All Stages
Tikamgarh	Exhibition	4	5	1852	308	144	108	54	15	Motivation and awareness	MIDH, PPV & FRA, Soil Health Day, Hon'ble PM Webcasting	-
Tikamgarh	Extension Literature	12	12	-	-	-	-	-	-	Motivation and awareness	News letter, Year planner, Pamphlets, Folders, Articles, Newspapers	-
Tikamgarh	Ex-trainees Sammelan	4	5	149	23	82	26	8	1	Assessment	Agriculture	-
Tikamgarh	Farm Science Club conveners meet	3	4	157	32	15	9	-	-	Motivation and awareness	Agriculture	-
Tikamgarh	Farmers Seminar/Workshop	1	1	58	6	26	10	5	-	Hon'ble Cabinet minister visit	Agriculture	-

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	Topics	Crop Stages
				M	F	M	F	M	F			
Tikamgarh	Farmers visit to KVK	21	25	449	146	82	29	-	-	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Field Day	8	8	231	56	50	28	18	-	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Film Show	5	7	187	58	30	10	4	2	Motivation and awareness	Agriculture	-
Tikamgarh	Group meetings	4	5	139	52	23	21	3	1	Motivation and awareness	Agriculture	-
Tikamgarh	Interface	2	2	46	18	14	6	10	3	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Kisan Ghosthi	5	8	112	62	36	9	12	2	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Kisan Women Ghosthi	2	2	-	41	-	31	-	4	Awareness	Agriculture	-
Tikamgarh	Kisan Mela	1	1	687	259	97	82	31	8	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Krishi Gyan Doot meet	1	1	10	5	8	3	2	1	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Lectures delivered as resource persons	31	32	1065	135	262	48	35	5	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Mahila Mandals conveners meetings	01	01	0	31	0	8	0	7	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Method Demonstrations	4	3	57	25	27	15	10	3	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Newspaper coverage	15	20	-	-	-	-	-	-	Motivation and awareness	Agriculture	-
Tikamgarh	Popular articles	3	3	-	-	-	-	-	-	Motivation and awareness	Agriculture	-
Tikamgarh	Scientific visit to farmers field	50	32	916	106	412	56	8	3	Diagnosis of Agricultural related problems	IDM, IPM, INM, CPM	All Stages
Tikamgarh	Self Help Group conveners meetings	5	4	28	13	16	5	4	1	Motivation and awareness	Agriculture & LPM	-
Tikamgarh	Soil health Camp	02	02	94	22	19	5	16	3	Motivation and	Agriculture	-

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	Topics	Crop Stages
				M	F	M	F	M	F			
										awareness		
Tikamgarh	Soil test campaigns	3	3	56	32	18	6	6	1	Motivation and awareness	Agriculture	-
Tikamgarh	Swachhta hi Seva	24	26	402	129	119	68	12	4	Motivation and awareness	Agriculture	-
Tikamgarh	Technology Week	1	1	47	21	22	16	4	3	Motivation and awareness	Agriculture & LPM	-

## 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
Tikamgarh	April-June 2018	April-June	1000	1000
Tikamgarh	July-September 2018	July-September	1000	1000
Tikamgarh	October-December 2018	October-December	1000	1000
Tikamgarh	January-March 2019	January-March	1000	1000

### 7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Tikamgarh	Book Chapter	Deficiency of micro-nutrient of vegetable crops and their management	S.K. Singh, S. K. Khare and U.S. Dhakad	-
Tikamgarh	Technical Bullentin	Chana	H.S. Rai, R.K. Prajapati, S.K. Khare, S.K. Singh, U.S. Dhakad and I.D. Singh	500
Tikamgarh	Technical Bullentin	Sarson	H.S. Rai, R.K. Prajapati, S.K. Khare, S.K. Singh, U.S. Dhakad and I.D. Singh	500
Tikamgarh	Technical Bullentin	Urd	H.S. Rai, R.K. Prajapati, S.K. Khare, S.K. Singh, U.S. Dhakad and I.D. Singh	500
Tikamgarh	Training Mannual	Small Poultry Farmer	Sandip Kumar Khare	50



Tikamgarh	Training Mannual	Sabjiyon ki swasth nursery evam mulching technique	S. K. Singh	50
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### 7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Tikamgarh	1	Mustard	10
Tikamgarh	1	Soybean	10

## 8. Production and supply of Technological products

### 8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	-	-	-	-	-	-	-

### 8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Fruit	Papaya	Red Lady	500	15000	24	0.2
Tikamgarh	Vegetable	Onion	Agri found light red	3000	3000	4	

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

\* Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Bio Agents	-	-	-	-	-	-
Tikamgarh	Bio Fertilizer	PSB, Rhyzobium	38.8	250	38800	250	50
Tikamgarh	Bio-Food	-	-	-	-	-	-
Tikamgarh	Bio Pesticides	-	-	-	-	-	-
Tikamgarh	Others (Pl Specify)	-	-	-	-	-	-

#### 8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre )	Value (Rs.)	No. of Beneficiaries
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil

#### 9. Activities of Soil and Water Testing Laboratory

##### 9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Tikamgarh	Soil Testing Lab & Mini Soil Kit Lab	2004 & 2015	Soil Testing	1003	963	15	Nil	856

##### 9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

#### 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
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

#### 11. Utilization of Farmers Hostel facilities

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)	Accommodation available (No. of beds)
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

### 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
Tikamgarh	2008-09	2012 Nov	04 + 02 (G-type + H-type)	Nil	Nil

### 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Tikamgarh	28 March 2019	25	<ol style="list-style-type: none"> <li>1. Inclusion of Agri hort, agro forestry and Agrisilvi posture in the demonstration unit of KVK.</li> <li>2. Sowing of released varieties in two dates of sowing.</li> <li>3. Mulching - planting of at least 3 crops in mulched area of having 3-4 rows each. Crop should have different flowering/ fruiting/ planting should be alone as per height of the crop.</li> <li>4. Showcasing of Azola, vermi compost and hydroponics unit.</li> <li>5. Sapling of vegetables as per season and other flowering/ fruit crops.</li> <li>6. Sowing of crops should be in ridge and furrow method in crops like soybean, mung and urid.</li> <li>7. Impact of distribution of root health card and KMA is to be worked out properly.</li> <li>8. To provide nutrition and more milk production OFT should have treatment, like Azola and spinclous cactus.</li> </ol>

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

KVK Name	No. of messages sent	No. of beneficiary		Total Number of villages	Number of villages covered	Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.				
Tikamgarh	35	25128	145	1000	890	NIC	Message on climate mitigation strategies

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs. In lacs)	Activities organized	Operational Area	Remarks
Tikamgarh	ATMA	Central	-	Trainings, Crop Seminar, Field day, Exposure visit	Tikamgarh	-

Tikamgarh	NICRA	CRIDA	4.02	Demonstration and training	Tikamgarh	-
Tikamgarh	CFLD (Oil seeds & Pulses)	Central	3.59	Demonstration, Field day and training	Tikamgarh	-
Tikamgarh	Soil testing Campaign	ATMA	-	Awareness , distribution of soil health cards	Tikamgarh	-
Tikamgarh	Seed Hub	Govt. of India	24	Seed Production	Tikamgarh	-
Tikamgarh	Mahila Kisan Diwas	ICAR	0.05	Motivation	Tikamgarh	-
Tikamgarh	World Soil Health Day	ICAR	-	Motivation	Tikamgarh	-
Tikamgarh	MIDH	M.P. Govt.	-	Training & Farmers fairs	Tikamgarh	-
Tikamgarh	District level Krishi Mela 2019	Govt. of India	4	Training & Farmers fairs	Tikamgarh	-

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

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Tikamgarh	11084739600	78665	54184	132849

#### 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Tikamgarh	Best KVK Scientist award	Ind.	ISEE, New Delhi	-

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

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

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

##### b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Tikamgarh	Crop Cafeteria	1. Soybean- JS 93-05, JS 95-60, JS 335, JS 97-52, NRC-37, VS-10
		2. Black gram- Azad-1,3,Shekhar-2,Pant U-30,LBG-20, IPU-94-1
		3. Wheat - (SWI) with conservation agriculture zero tillage) GW-273,322,366,HI-1544,MP4010,JW3211
		4. Chickpea (Ridge bed Planting) –JG-11,16,322
		5. Mustard (SMI) - Pusa Agarani, Pusa Jai Kishan, Rohani,Urvarsi,Arravali,.Pusa Bold, Shyam 101,Ganga,VK1008
		6. Tomato – Kashi Vishesh, Arka Rakshak, Kashi Anupam

		7. Brinjal – Kashi Sandesh, Kashi Taru, Kashi Prakash, Kashi Himani, Kashi Uttam, Kanahiya (Sungro)
		8. Fodder crops- Barseem-JB-1
Tikamgarh	Technology Gate-Valve	1. SRI method of transplanting in paddy (with 11 varieties) module
		2. Soybean Ridge bed planting method of sowing with variety JS -9560 module
		3. Black gram variety with Ridge bed planting method of sowing with IDM module
		4. Sesame variety TKG-308 line sowing and INM demonstration module
		5. Wheat variety-GW 322 with SWI and zero tillage module demonstration
		6. Chickpea variety JG-16 with ridge bed planting method and IPM demonstration module
		7. Mustard- 10 varieties with SMI module demonstration
		8. Meadow-orchard in guava
		9. Plantation – Pomegranate, Custard Apple, Jack fruit, Aonla, Papaya
		10. Field Crop, Vegetables, floriculture, Spices and Medicinal crop cafeteria
		11. Nutritional Garden
		12. NADEP and Vermi-compost unit
		13. Poultry Unit
Tikamgarh	Technology Desk	Crop museum
Tikamgarh	Visitors Gallery	Farm machinery and food processing lab and micro-soil testing kit
Tikamgarh	Technology Exhibition	Solar pump

### c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Resource management	05
2	Horticulture	10
3	Varietal replacement in horticulture	10
4	Varietal replacement in crops	25
5	IPM	06
6	IDM	06
7	INM	03
8	LMP	04

### 19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Tikamgarh	Shri Krishankant Richhariya	Bullock drawn generator	Village - Sijora, Tikamgarh, Mobile-8103303112

2	Tikamgarh	Smt. Rani Rana	Value addition in Ber	Village - Madumar, Tikamgarh, Mobile-8349711164
3	Tikamgarh	Shri Hajari Pal	Integrated farming	Village – Kanti, Tikamgarh, Mobile-9575739566
4	Tikamgarh	Shri Amar Chandra Prajapati	Drip & Mulching Use	Village – Nadia, Jatara, Tikamgarh, Mobile-8103697850
5	Tikamgarh	Smt. Pushpa Thakur	Poultry	Village – Surajpur, Tikamgarh, Mobile-9754599746
6	Tikamgarh	Shri Dharamdas Yadav	Ginger Production	Village – Bhopalpura, Prathivipur, Tikamgarh, Mobile-7697877401
7	Tikamgarh	Shri Mathura Prasad Kushwaha	Entrepreneurship Development	Village – Kanti, Tikamgarh, Mobile-8827390847
8	Tikamgarh	Shri Raghunath Singh	Seed production plant	Village – Jamdar, Tikamgarh, Mobile-9425894067
9	Tikamgarh	Shri Ambhika Prasad Tiwari	Round the year Jack fruit variety production	Purani Tehri, Tikamgarh, Mobile-9425701764

## 20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	Kisan Kalyan Karyashala (02 May 2018)	65
2.	Mantri Visit (5 May 2018)	100
3.	Interaction with Farmers (20 June 2018)	45
4.	Mahila Kisan Diwas (15 October 2018)	50
5.	World Soil Health Day (5 December 2018)	230
6.	Kisan Diwas (23 December 2018)	55
7.	Kisan Samman Nidhi (24 February 2019)	150
8.	Kisan Mela (28 February 2019)	1130
9.	International Women Day (08 March 2019)	32
10.	SAC Meeting (28 March 2019)	05

## 21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Tikamgarh	Tikamgarh	Palera	170	92
Tikamgarh	Prithivipur	Niwari	124	73
Tikamgarh	Jatara	Baldevgarh	185	138

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

**22. 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
1	Nil	Nil	Nil	Nil

**23. KVK Ring**

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Nil	Nil	Nil

**24. Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR/Govt. of India	SAUs	Others	Remarks
Tikamgarh	Dr. Virendra Kumar	5/5/2018, 28/2/2019	-	-	01	Hon'ble Minister
Tikamgarh	Dr. (Smt.) Om Gupta	5/5/2018, 28/2/2019	-	01	-	DES, JNKVV, Jabalpur
Tikamgarh	Proff. P. K. Bisen	27/9/2018, 10/1/2019, 28/2/2019	-	01	-	Hon'ble VC
Tikamgarh	Shri Parvat Lal Ahirwar	28/8/2018, 28/2/2019	-	-	01	Chairman Zila Panchyat, Tikamgarh
Tikamgarh	Dr. A. K. Shivhare	18/12/2018	01	-	-	Assistant Director, Pulse Research, Bhopal

**25. Status of KVK Website:**

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Tikamgarh	23.03.2015	02	3884

**26. 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			
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**27. Status of RTI**

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
Nil	Nil	Nil	Nil	Nil

**28. Status of Citizen Charter**

Sr. No.	Name of KVK	Query received( Nos)	Query Disposed( Nos)	Remarks
Nil	Nil	Nil	Nil	Nil

**29. Attended HRD Programmes organized by ZPD**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	Dr. R. K. Prajapati	Scientist	01	Zonal Workshop (5-7 Sept., 2018 at DES, JNKVV, Jabalpur)
Tikamgarh	Dr. S. K. Khare	Scientist	01	Skill Development Training (23-25 Sept., 2018)
Tikamgarh	Dr. S. K. Singh	Scientist	01	Skill Development Training (23-25 Sept., 2018)
Tikamgarh	Dr. S. K. Singh	Scientist	01	Innovative Farmer Meet
	<b>Total</b>		<b>4</b>	<b>4</b>

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Tikamgarh	3	4

**30. Attended HRD Programmes organized by DES**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	Dr. R. K. Prajapati	Scientist	01	Foundation Day & Kisan Mela at JNKVV, Jabalpur (1/11/2018)
Tikamgarh	Dr. S. K. Khare	Scientist	01	PFMS Training
Tikamgarh	Dr. S. K. Singh	Scientist	01	Innovative Farmer Interaction

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	3	3

**31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)**

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Tikamgarh	Dr. S. K. Khare	Scientist	01	Short course
Tikamgarh	Dr. S. K. Singh	Scientist	01	Refresher course



Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	2	2

### 32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Tikamgarh	-	-	-

### 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Tikamgarh	Film show	01	302	All Crops / LPM
Tikamgarh	Distribution of Literature (No.)	02	1200	All Crops / LPM
Tikamgarh	Animal health camp	01	271	All Crops / LPM
Tikamgarh	Awareness programme	04	546	All Crops / LPM
Tikamgarh	Cashless Transaction Week	01	52	All Crops / LPM
Tikamgarh	Swachha Bharat Abhiyan	24	348	All Crops / LPM

### 34. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Tikamgarh	Soybean (JS-9560)	12	30
Tikamgarh	Black gram (IPU-94-1)	12	30
Tikamgarh	Sesame (TKG-306)	12	30
Tikamgarh	Safed Musali (RC-1)	12	30
Tikamgarh	Mustard (Pusa Jagannath)	10	24
Tikamgarh	Chickpea (JAKi 9218)	12	30
Tikamgarh	Wheat GW-322	5.0	12

**Major area coverage under alternate crops/varieties**

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Tikamgarh	Oilseeds-Mustard (Pusa Jagannath, Pusa Jai Kisan, RVM 2), Soybean (JS-95-60)	40	100
Tikamgarh	Pulses- Black gram (IPU 94-1, Pratap Urd-1) & Chickpea (JG-16, RVG 201, JG 12)	150	203
Tikamgarh	Cereals- Wheat (GW 322, 366, 273)	20	150
	<b>Total</b>	<b>210</b>	<b>453</b>

**Farmers-scientists interaction on livestock management**

Name of KVK	Livestock components	Number of interactions	No. of participants
Tikamgarh	Dairy, Poultry, Goatry	3	151

**Animal health camps organized**

Name of KVK	Number of camps	No. of animals	No. of farmers
Tikamgarh	2	485	158

**Seed distribution in drought hit states**

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Tikamgarh	Oilseeds-Mustard (Pusa Jagannath, Pusa Jai Kisan, RVM 2), Soybean (JS-95-60)	20	40	100
Tikamgarh	Pulses- Black gram (IPU 94-1, Pratap Urd-1) & Chickpea (JG-16, RVG 201, JG 12)	50	150	203
Tikamgarh	Cereals- Wheat (GW 322, 366, 273)	10	20	150
	<b>Total</b>	<b>80</b>	<b>210</b>	<b>453</b>

**Seedlings and Saplings distributed**

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

**Bio-control Agents**

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

### Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg.)	Coverage of Area (ha)	No. of farmers
Tikamgarh	PSB, Rhyzobium	38.80	800	250

### Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Tikamgarh	-	-	-	-

### 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	In-situ moisture conservation through deep ploughing	334	236
Tikamgarh	Use of fertilizers as per recommendation through soil health card	406	501
Tikamgarh	Early maturing varieties of soybean-JS 95-60	14991	5946
Tikamgarh	Soybean Ridge bed planting method of sowing with variety JS -9560	8000	3348
Tikamgarh	Black gram variety IPU-94-1 with Ridge bed planting method of sowing	4000	4000
Tikamgarh	Sesame variety TKG-308 line sowing and INM	150	102
Tikamgarh	Wheat variety-GW 322 with SWI and zero tillage	10	25
Tikamgarh	Chickpea variety JG-16 with ridge bed planting method and IPM	5	20
Tikamgarh	Mustard- SMI	7	12

### 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	05	239	10	309	08	383	01	1164	05	2481	07	291

### 35. Activities performed in Satellite Village on Doubling Farmer's Income

#### Information about Satellite Village

Name of KVK	Block	Village
Tikamgarh	Tikamgarh	Kanti

### 1. Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Soil test based nutrient application	92	92	-	92	Soil testing
Compost making	12	12	-	12	-
In-situ moisture conservation practices (Ridge & furrow)	20	20	9	20	R&F, BBF Sowing method
Sprinkler in wheat	14	30	14	30	Sprinkler
<b>TOTAL</b>	<b>138</b>	<b>154</b>	<b>23</b>	<b>154</b>	<b>-</b>

### 2. Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Safed Musli	15	8	4	12	Technical Knowledge
<b>TOTAL</b>	<b>15</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>-</b>

### 3. Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
MYMV Resistant and short duration	6	12	Black gram- variety IPU 94-1
Short duration varieties	6	12	Soybean variety- JS 95-60
Low water requirement	3	10	Sesame variety- TKG306
Thermal heat tolerant varieties	5	15	Demonstration on chickpea sowing in BBF sowing system - JG-16
Low water requirement crop	4	10	Pusa Jagannath – Mustard
<b>TOTAL</b>	<b>24</b>	<b>59</b>	<b>-</b>

### 4. Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Preventive vaccination	1	150	-	45	200 animals
Fodder management	1	25	-	25	25 farmers
De-worming of animals	1	140	-	55	150 animals
Mineral Mixture Supplementation	2	2	-	30	50 animals
Breed up gradation	1	10	-	10	10 male goat (Jamnapari)

Breed up gradation	1	1	-	50	Buffalo (Murrah)
Vitamin E & Se to ameliorate negative effect of heat stress in buffaloes	1	12	-	12	Dose 20 ml orally per day per buffalo
<b>TOTAL</b>	<b>8</b>	<b>340</b>	<b>-</b>	<b>227</b>	<b>-</b>

#### 5. Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Pickles	48	48	-	48	For Home purpose
<b>TOTAL</b>	<b>48</b>	<b>48</b>	<b>-</b>	<b>48</b>	<b>-</b>

#### 6. Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Chaff cutter	1	-	4	Custom hiring
Seed cum-ferti-drill	2	4	10	Custom hiring
<b>TOTAL</b>	<b>3</b>	<b>4</b>	<b>14</b>	<b>-</b>

#### 7. Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
Importance of green fodder in dairy animals	1	22	2	24
Method of hay making and its importance	1	34	4	38
Fodder and feed management	1	18	6	24
Nutrient management	1	21	3	24
Backyard poultry	1	25	2	27
Pest and disease management	10	174	62	236
Crop management	3	46	14	60
Disease management practice in dairy animals	4	68	0	68
Natural resource management	3	54	12	66
Live stock management	1	68	13	81
Seed Production of vegetable crops	2	34	12	46
<b>TOTAL</b>	<b>28</b>	<b>564</b>	<b>130</b>	<b>694</b>

## 8. Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
Group discussion	7	76	5	88
Diagnostic visit	33	448	68	549
Awareness	6	486	72	564
Method demonstrations	5	72	2	79
Agro advisory services	21	211	0	232
Field Day	3	80	6	89
<b>TOTAL</b>	<b>75</b>	<b>1373</b>	<b>153</b>	<b>1601</b>

## 36. Activities performed in Nutri-Smart Village

### Information about Nutri-Smart Village

Name of KVK	Block	Village
Tikamgarh	Tikamgarh, Baldeogarh (02)	02

### 1. Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production	OFT/FLD/Training	Vegetables	10	10	6	34

### 2. Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.	OFT/FLD/Training	Vegetables and fruits	14	310 kg	24%	26
Processing and product development of NTFPs by women.	OFT/FLD/Training	Yes	22	44 kg	7%	26
Food Fortification	OFT/FLD/Training	Yes	38	110 kg	20%	40

Technology adaptation mechanisms for nutritional security.	OFT/FLD/Training	Yes	36	14 kg	16%	34
Economic empowerment through sustainable income generation among women.	OFT/FLD/Training	Yes	40	540 kg	12%	34

### 3. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	OFT/FLD/Training	Yes	22	8%	26
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.	OFT/FLD/Training	Yes	97	43%	100
Approaches to improve complementary foods and feeding practices.	OFT/FLD/Training	Yes	22	8%	26
Comprehensive approach to address acute malnutrition in children.	OFT/FLD/Training	Yes	24	7%	28
Improving nutrition among tribal population with community focus on first 1000 days.	OFT/FLD/Training	Yes	06	3%	9

### 4. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behaviour	OFT/FLD/Training	34	07	48
Micronutrient Supplementation	OFT/FLD/Training	34	07	48
Adolescent and Maternal Nutrition	OFT/FLD/Training	30	06	44
Malnutrition Management Service	OFT/FLD/Training	24	04	38

### 5. Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women	12	05	37

Capacity development through participatory method	10	07	38
Skill development	10	07	38

## 6. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security	Yes	08	08	48
Climate Smart agriculture for Nutritional Security	Yes	08	06	24

## 7. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department ) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Nutrition, vegetable production, fruits cultivation	14	80	-

## 37. Activities for Sansad Adarsh Gram

### Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Tikamgarh	Jatara	Gour

### 1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield (q.)	% change in Yield	No. of farmers benefitted
FLD	Blackgram	2	24.3	32	5
FLD	Chickpea	1.20	13.6	26	3



## 2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Awareness Camp	63	22	2	87
Kisan Gosthi	52	13	3	68

## 3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Trainings	87	28	4	119

## 38. Activities of NICRA (Only NICRA KVKs)

### 1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Deep Summer Ploughing	Soybean-JS 9560	60	14.5	28.3	180
R&F & BBF sowing method	Black gram IPU94-1	150	12.2	25.8	180
Mulching	Papaya - Red Lady	05	319	49.7	150
Farm pond (Vegetable)	Chilli - Disha (Hy.)	02	123.4	49.9	02
Permanent check dam	Wheat – GW322	30	46	15.0	50
Bore Wells	Mustard - Pusa Jagannath	50	16.9	49.5	25
Open Wells	Chickpea - JAKI 9218	532	16.5	32.0	445
Zero tillage	Wheat - GW322	05	46	15.0	10
Sprinkler-	Wheat - GW322	05	46	15.0	10
Crop residue burning check	Sesame - TKG 306	312	6.4	88.3	415
Biogas plant- use of biogas slurry increased vegetable production	Chilli - Disha (Hy.)	06	123.4	49.9	06
Short duration varieties	Soybean - JS-9560	12	14.5	28.3	30
Bio Stress (MYMV) Resistant variety	Black gram - IPU-94-1	12	12.2	25.8	30
Low water requirement crop in kharif	Sesame - TKG-306	12	6.4	88.3	30
High value crop ( <i>Chlorophytum borivilianum</i> )	Safed Musali - RC-1	12	7.1	33.9	30
Low water requirement crop for Rabi	Mustard - Pusa Jagannath	10	16.9	49.5	24
Bio-stress (Wilt) resistant variety	Chickpea - JAKI 9218	12	16.5	32.0	30
Promotion of bio-fertilizers uses	Wheat - GW-322	5.0	46	15.0	12

## 2. Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Soybean (JS-9560)-Short duration variety	25	5	-	30
Black gram (IPU-94-1)-Bio Stress Resistant variety	27	3	-	30
Sesame (TKG-306)-low water requirement crop in kharif and High Yielding variety TKG 306	26	4	-	30
Safed Musali(RC-1)-High value crop	24	6	-	30
Mustard (Pusa jagannath)-Low water requirement crop for Rabi	18	6	-	24
Chickpea (JAKi 9218)-Bio-stress (Wilt) resistant variety	26	4	-	30
Reduction in use of chemical fertilizers- Wheat (GW-322)- Use of bio-fertilizer (Azotobacter and PSB)	10	2	-	12
Establishment of Biogas -plant (Use of conventional energy)	5	1	-	6
Saving of chemical fertilizers-Soil Testing	25	5	-	30
Breed Improvement-Jamunapari breed (buck)	8	2	-	10
Breed Improvement-Murahha breed in buffaloes	86	14	-	100
Water Harvesting & Recycling - Farm pond	2	0	-	2
Water Harvesting & Recycling - Permanent check dam	50	0	-	50
Water Harvesting & Recycling - Bore Wells	25	0	-	25
Water Harvesting & Recycling - Open Wells	402	43	-	445
Abiotic and biotic management-Deep Summer Ploughing (MB plough)	160	20	-	180
In-situ moisture conservations-Ridge and furrow method of sowing & BBF	135	15	-	150
Saving of water-Sprinkler and drip irrigation	8	2	-	10
Fodder management during off season - growing of Spineless Cactus	5	0	-	5
PSB + Rhizobium + Azotobacter Culture packets	17	7	-	24
Kisan Gosthi	180	35	-	215
Training on NRM, Plant Protection and LPM	307	36	-	343
Kisan Mela	130	20	-	150
Kisan Diwas	135	15	-	150
Swachhta Pakhwada	14	3	-	17
Visit of Minister	3	0	-	3
Pradhan Mantri Kisan Samman Nidhi	45	5	-	50
International Women Day	0	25	-	25
Interaction of PM with Farmers	12	3	-	15
Video Conference of PM with Women	0	10	-	10

Mahila Kisan Diwas	0	5	-	5
Crop Cafeteria & Technolgy Park of Krishi Vigyan Kendra, Tikamgarh	312	113	-	425
Animal health camp	84 / 310	40 / 175	-	124 / 485
Exhibition on Kisan Mela	110	40	-	150
NRM, Crop Production, LPM and Institutional Development - Kharif 2018	123	27	-	150
NRM, Crop Production, LPM and Institutional Development - Rabi 2018-19	130	20	-	150
KMA	145	5	-	150
Website	10	0	-	10
Facebook	50	0	-	50
Whats App	150	0	-	150
Twitter	15	0	-	15
News Paper Coverage	8	0	-	8
TV / Radio	mass	mass	-	mass
Publications	350	150	-	500
<b>TOTAL</b>	<b>3397</b>	<b>691</b>	<b>-</b>	<b>4088</b>

### 3. Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Importance of deep summer ploughing	27	0	-	27
Importance of soil testing	17	9	-	26
Importance of store grain pest management	23	0	-	23
Insect, pest and disease management in kharif crops	24	1	-	25
Insect, pest and disease management in blackgram crop	23	0	-	23
Insect, pest and disease management in Soybean crop	21	7	-	28
Insect, pest and disease management in Vegetable crops	23	0	-	23
Insect, pest and disease management in Colocasia crop	13	10	-	23
Insect, pest and disease management in Ginger crop	26	0	-	26
Insect, pest and disease management in Safed Musli crop	23	5	-	28
LPM	29	0	-	29
Water Shed management (IWRM)	30	4	-	34
Plant Protection in Horticultural crops	28	0	-	28

#### 4. Activities for Fodder Bank

Established (Years)	Capacity	Current Status
2018	802 q.	802 q.

#### 5. Activities for Seed Bank

Established (Years)	Capacity	Current Status
2018	378 q.	378 q.

#### 6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
Dr. H. S. Rai	Senior Scientist & Head	2018-19	-

#### 7. Feedback of Farmers for future improvement, if any.

1. Farmers want quality seed from KVK
2. Farmers want hybrid varieties
3. Farmers want to increased the staff in KVK
4. Farmers want to increased facilities in KVK

#### 36. Proposed works under NAIP (in NAIP monitoring format) - Nil

#### 37. 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, 2-3 Photographs with caption in .jpeg format.

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Tikamgarh	2	0

### Success Story-1

**Name of KVK:** Krishi Vigyan Kendra, Tikamgarh (M.P.)

**Involve scientist:** Dr. H. S. Rai

**Address and Contact no of KVK:** Krishi Vigyan Kendra, Kundeshwar road, Tikamgarh 472001

### Personal profile of the farmer

Name : Shri Amar Chandra Prajapati  
Village: Nadiya  
Block: Jatara  
District: Tikamgarh  
Mobile No. 9755471195  
Age: 40 Years  
Educations: 12<sup>th</sup> Class  
Land holding: 2.0 ha  
Farming experience: 15 Years  
Technology: ICM and Ridge & Furrow

### Resource and implements:

- (i) Land (ha) - 2.0 ha
- (ii) Water bodies with irrigation capacity - Well
- (iii) Animal Resources including fish and Poultry - Cow- 1, Buffalo- 3, Calf – 1, Goat- 10
- (iv) Farm Machinery -

**Member of Any group (SHG or Society):** Cooperative society.

**Back ground information:** When he or she came in contact to KVK and KVK scientist and which technology he /she adopted - Bio-gas Plant, Vermi-compost, Drip Irrigation, Mulching for vegetable crops.

**KVK intervention:** Use of ridge & furrow Chickpea and integrated crop management on the basis of soil test value (soil health card).

**Description of technology/ Details of technology demonstrated:** Chickpea variety JG 16 + Ridge & Furrow + Seed treatment with Carbandazim @ 2.5 gm, Rhizobium and PSB @ 10gm/kg seed + Bird Purcher + Pheromone Trap + application of fertilizer on soil test value including organic manure.

### Impact of adopted technology (Economic and Social)

**Involve organization:** Krishi Vigyan Kendra, Tikamgarh (M.P.)

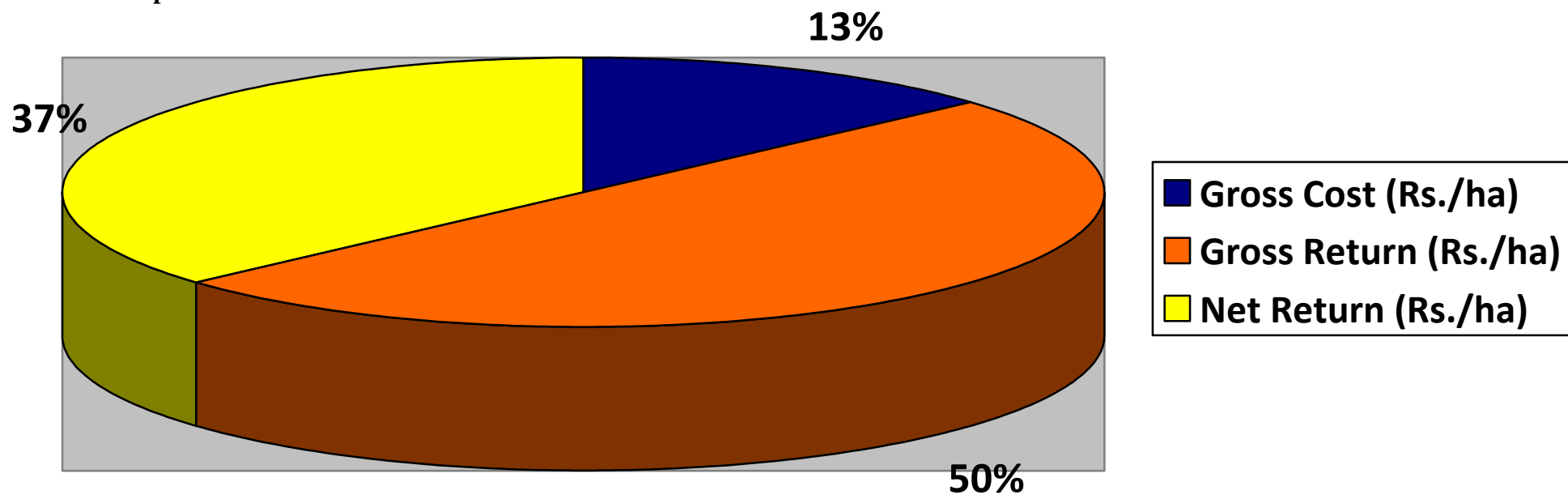
**Success point/outcome:** Observed farmer saved the seed upto 50% through ridge & furrow system and chemical fertilizer consumption reduce upto 40%.

**Farmer Feedback:** Farmer obtained higher income by adopting this technology.

### Economics of adopted technology

Particulars	Yield (q/ha.)	Cost of production (Rs./ha)	Gross return (Rs. /ha)	Net Profit (Rs./ha)	B:C Ratio
Sowing by ridge & furrow technology in Chickpea	13.8	15800	59700	43900	3.7

Dissemination process: print media, field day video clipping or any other  
Table and Graph



## Success Story-2

**Specific Technology:-** Line sowing, under 10 years variety - RVM 2 with seed treatment

<b>Name of KVK</b>	Krishi Vigyan Kendra, Tikamgarh (M.P.)
<b>Crop and variety</b>	Mustard variety RVM 2
<b>Name of farmer &amp; address</b>	Shri Rajaram Yadav Village – Nandanpur, Block – Jatara, Distt. - Tikamgarh.
<b>Background information about farmer field</b>	Sandy Loam Soil and Irrigated
<b>Details of technology demonstrated</b>	Line sowing + Improved variety - RVM 2 + Seed treatment with Carbandazim @ 2.5 g/kg of seed
<b>Institutional involvement</b>	Participation in trainings and in extension activities of KVK. His involvement in OFT, FLD and CFLD Programme being carried out by KVK.
<b>Success point</b>	Increased in yield due to mechanization of sowing method.
<b>Farmer feedback</b>	Farmers convinced with the performance with the technology.
<b>Outcome yield (q/ha)</b>	
- Demonstration	16.8
- Potential yield of variety/technology	20
- District average (Previous year)	8.6
- State average (Previous year)	11.49

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Used Practice	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	11.6	12600	46400	33800	3.6
Demonstration	16.8	15400	67200	51800	4.3
% Increase	44.82	22.22	44.82	53.25	-

