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KRISHI VIGYAN KENDRA, MANDLA



**ANNUAL REPORT FOR THE PERIOD
FROM APRIL 2011 TO MARCH 2012**

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA,
JABALPUR 482004 (M.P.)**

REPORTING PERIOD – April 2011 to March, 2012

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Mandla	OFTs	12	60	7	35	
Mandla	FLDs – Oilseeds (activity in ha)	2	24	2	22	
Mandla	FLDs – Pulses (activity in ha)	2	24	2	24	
Mandla	FLDs – Cotton (activity in ha)	0	0	0	0	
Mandla	FLDs – Other than Oilseed and pulse crops(activity in ha)	7	35	3	27	
Mandla	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	1	5	2	15	
Mandla	Training-Farmers and farm women	60	1500	50	1446	
Mandla	Training-Rural youths	13	130	2	33	
Mandla	Training- Extension functionaries	13	260	4	61	
Mandla	Extension Activities	65	3000	102	2614	
Mandla	Seed Production (Number of activity as seeds in quintal)	4	20	2	3.10	19410
Mandla	Planting material ((Number of activity as quantity of planting material in quintal)	0	0	0	0	0
Mandla	Seedling Production (Number of activity as number of seedlings in numbers)	0	0	0	0	-
Mandla	Sapling Production (Number of activity as number of sapling in numbers)	0	0	0	0	-
Mandla	Other Bio- products (Biofertilizers, vermicompost, biofungicide)	-	-	-	-	-
Mandla	Live stock products	-	-	10	-	0
Mandla	SAC Meeting (Date & no. of core/official members- 24.05.2011)	2	40	1	11	
Mandla	Newsletters (no.)	4	4000	4	4000	
Mandla	Publication (Research papers, popular article)	6	9000	2	2000	
Mandla	Convergence programmes / Sponsored programmes	-	-	1	56	-
Mandla	KVK-ATMA Linkage programme (Number of activities)	-	-			-
Mandla	Outreach of KVK in the District (No. of blocks, no. of villages) 9 & 900	40	950	29	15	
Mandla	Soil sample tested	-	-	-	-	-
Mandla	Water sample tested	-	-	-	-	-
Mandla	KMA (No. of messages & beneficiaries)	-	-	182	1070	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Mandla	Programme Coordinator	Dr. H.S. Rai	Programme Coordinator	Ph.D.	Entomology	40240+9000	49240	02.08.06	Temporary	Others
Mandla	Subject Matter Specialist1	Dr. Neelu Vishwakarma	SMS	Ph.D.	Home Science	15600+6000	27260	24.01.07	Temporary	OBC
Mandla	Subject Matter Specialist2	Shri Vishal Meshram	SMS	M.Sc., NET	Agri. Extension	15600+6000	22320	31.1.07	Temporary	SC
Mandla	Subject Matter Specialist3	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist4	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist5	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Subject Matter Specialist6	-	SMS	-	-	15600+6000	-	-	-	-
Mandla	Programme Assistant	Dr. Pramod Sharma	PA	M.V.Sc.	Animal Nutrition	10230+3600	13830	20.10.2011	Temporary	Gen
Mandla	Programme Assistant	Sri Vijay S. Suryavanshi	PA	M.Sc.	Agronomy	10230+3600	13830	14.10.2011	Temporary	OBC
Mandla	Computer Programmer	Smt. Reshma Jhariya	PA	M.Sc.	Computer	10230+3600	15130	29.03.08	Temporary	SC
Mandla	Accountant / superintendent	-	-	-	-	10230+3600	-	-	-	-
Mandla	Stenographer	-	-	-	-	5200-20200	5200	-	-	-
Mandla	Driver	Shri Gajendra singh Dangi	Driver cum Mechanic	12 th	-	6400+1900	8300	7.7.08	Temporary	Others
Mandla	Driver	Shri Rajju Singh Rajput	Driver cum Mechanic	12 th	-	6400+1900	8300	8.7.08	Temporary	Others
Mandla	Supporting staff	-	-	-	-	4440-7440	4440	-	-	-
Mandla	Supporting staff	-	-	-	-	4440-7440	4440	-	-	-

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

The district Mandla is situated in the east central part of Madhya Pradesh, III, Agro climatic Zone (Northern Hill of Chhatisgarh). The entire district catchments are the Narmada River and its tributaries. The world's famous Tiger sanctuary, Kanha National Park located in the district. The total geographical area of the district is 4, 67,150 ha. Out of which only 2, 43,800 ha (52.8%) and the total population 894236 out of which ST is 511798, i.e. 57.23 % (Gond & Baiga). The district consists 9 blocks, 5 tehsils, 472 Panchayat and 1247 villages. Average Rainfall of the district is 1320 mm. 92% area of the district is rain fed cropping intensity 131%. The Major crop of the district are Paddy (111400 ha), Maize (19000 ha), Pigeon pea (3100 ha), Urid (2900 ha) in Kharif followed by Wheat (38800 ha), peas (15300 ha), Mustard (14300 ha), Lentil (11,500 ha) and Gram (6138 ha.) in Rabi. The Topography of the district is undulating and Soil type is Light soil (11,21,48 ha), Medium soil (78016 ha), Heavy soil (53636 ha).i.e.46,32 &22 % respectively.

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)
Mandla	Piparpani	2008-09	Mandla	15 km	1120	422
	Bhapsatola			20 km	1300	480
	Patparsingarpur			22 km	612	205
	Lawer			20 km	678	198
	Silpuri			27 km	542	184
Mandla	Tuiyapani	2008-09 & 2010-11	Nainpur	45 km	738	280
	Khirkhiri			42 km	678	215
	Raiwada			49 km	455	189
	Sagoniya			39 km	1019	377
	Bandha			38 km	636	190
Mandla	Baja	2011	Mandla Bichhia	12km	1518	435
	Boriya			14km		
	Chougan			24km	550	203
	Jheena			26km	380	183
	Palhara			28km	396	166

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

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

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

KVK Name	Problem identified	Methods of problem identification
Mandla	Direct seeding.	PRA
Mandla	High weed infestation.	Group dissection
Mandla	Unavailability of quality seed.	Group dissection
Mandla	Poor adoption of agronomical practices and use of improved varieties.	PRA
Mandla	Lack of knowledge of integrated nutrient management.	Group dissection
Mandla	Imbalance use of fertilizer	PRA
Mandla	High infestation of yellow vein mosaic	Farmers visit
Mandla	Low yield of Maize due to stem borer 9. Indiscriminate use of chemical spray	Farmers visit
Mandla	Low yield of Gram due to pest complex	Farmers visit
Mandla	Poor knowledge & unawareness of value addition & processing.	Group dissection
Mandla	No use of improved implements.	PRA
Mandla	Lack of Knowledge and skill about improved Agril. Implements	Group dissection
Mandla	Poor income in backyard poultry	Group dissection
Mandla	Low income in Lac cultivation	Group dissection

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) qtl.		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
Mandla	Khharif 11	Low yield (30%) due to local Variety area 2600 ha	Assessment	Improved variety	Improved variety	Rainfed	Assessment of improved variety of Soybean (JS-95-60)	5	3.6	5.6	1680	4500	Improved variety of Soybean (JS-9560)
Mandla	Khharif 11	Low yield due to use of local variety affected area 115500 ha	Assessment	IWM	Improved variety	Rainfed	Assessment of improved variety of Paddy (JRH-5)	5	16.8	76-7	10410	75540	Improved variety of Paddy (JRH-5)
Mandla	Khharif 2011	Low efficiency and high drudgery of Farm Women during Paddy Weeder	Assessment	Drudgery reduction	Drudgery reduction	-	Efficiency enhancement of farm women by Cono Weeder	5	Area Covered 28m2/ Hour Physiological stress Heart beat(bpm)-98	108m2/ Hour 112	-	-	Reduce drudgery & efficiency enhancement by cono weeder during paddy weeding
Mandla	Khharif 2011	Poor economic status of the house holds due to seasonal unemployment	Assessment	Income generation	Income generation	-	Income generation farm women through Mushroom cultivation	5	No cultivation of Mushroom	Avg. yield 14.5 kg /Unit	-	360/-	Mushroom Cultivation are source of extra income
Mandla	Rabi 11-12	Low yield due to use of old (Sujata) variety affected area 29400 ha	Assessment	Variety replacement	Wheat	Irrigated	Improved variety of Wheat (JW-1142)	5	9938	11225	28842	44175	Improved variety of Wheat (JW-1142)
Mandla	Rabi 2011-12	Low yield due to use of old variety affected area 5800 ha	Assessment	Variety replacement	Gram	Rainfed	Improved variety of Gram (JG-63)	5	10127	12300	22873	33120	Improved variety of Gram (JG-63)
Mandla	Rabi 2011-12	Low efficiency & high drudgery in farm women during	Assessment	Drudgery reduction	Hand operated double screen grain	-	Assessment of drudgery reduction and efficiency	5	Hand milling 2.2kg/hour Cost of	93kg/hour Operating cost-Qt./40			Drudgery reduction & efficiency enhancement through hand

		Dal Milling by Local Method			cleaner		enhancement by using improved Dal milling implement in Arhar		Milling-350/- Qt.				operated double screen grain cleaner in Gram
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2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Mandla	Assessment of improved variety of Soybean (JS-95-60)	yield q/ha	5.6	3.6	7320	9500	-	9000	14000	-	1680	4500	-	1.2	1.4	-
Mandla	Assessment of improved variety of Paddy (JRH-5)	yield q/ha	76-7	16.8	9750	16500	-	20160	92040	-	10410	75540	-	2.0	5.5	-
Mandla	Efficiency enhancement of farm women by Cono Weeder	Area Covered Physiological stress Heart beat	108m2/ Hour (bpm)-112	28m2/ Hour (bpm)-98	-	-	-	-	-	-	-	-	-	-	-	-
Mandla	Income generation farm women through Mushroom cultivation	Yield/Unit Rs/kg	Avg. yield 14.5 kg /Unit	No cultivation of Mushroom	-	208	-	-	568	-	-	360	-	-	2.7	-
Mandla	Improved variety of Wheat (JW-1142)	yield q/ha	40.8	28	9938	11225	-	38780	55400	-	28842	44175	-	3.9	4.9	-
Mandla	Improved variety of Gram (JG-63)	yield q/ha	15.14	11	10127	12300	-	33000	45420	-	22873	33120	-	3.2	3.69	-
Mandla	Assessment of drudgery	Milling /Hour	93kg/hour	Hand milling	-	-	-	-	-	-	-	-	-	-	-	-

	reduction and efficiency enhancement by using improved Dal milling implement in Arhar		Operating cost- Qt./40	2.2kg/hour Cost of Milling- 350/-Qt.												

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Mandla	Paddy variety found suitable for upland condition and was liked by the farmers due to its high yield potential.
Mandla	Technology found effective to control many weeds existing in Soybean
Mandla	The technology found beneficial for weeding of paddy
Mandla	The mushroom Cultivation found beneficial for Income generation.
Mandla	Variety found for more yield, suitable for limited irrigation, bold grain size in Wheat
Mandla	Variety found for more yield, suitable for limited irrigation, bold grain size in Gram

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Mandla	Paddy	Varietal Evaluation	Improved variety of Paddy (JRH-4) under SRI Method	Field visits, Field day, Kisan gosthi, trainings	6	45	25
Mandla	Paddy	Weed Management	Chlorimuron +Metsulfuron (Almix) @ 4g /ha after 15-20 DAS + 1 hand weeding at 30-35 DAS	Field visits, Field day, Kisan gosthi, trainings	16	110	51
Mandla	Pigeon pea	Varietal Evaluation	Improved variety (JKM-189)	Field visits, Field day, Kisan gosthi, trainings	9	95	40
Mandla	Soybean	Varietal Evaluation	Improved variety of Soybean (JS 97-52)	Field visits, Field day, Kisan gosthi, trainings	8	62	30

Mandla	Tomato	INM	Control of flower & fruit drop 20 ppm NAA spray at flowering stage	Field visits, Field day, Kisan gosthi, trainings	4	15	4
Mandla	Mango + Ginger	Intercropping	Improved Variety (Suprabha) as intercrop	Field visits, Field day, Kisan gosthi, trainings	3	9	2
Mandla	Paddy	Drudgery reduction	Drudgery reduction using improved weeder (<i>Tauchigurma</i>)	Field visits, Field day, Kisan gosthi, trainings	6	42	20
Mandla	Lac	Income Generation	Tertiary branches are pruned with sharp implements and secateurs for maximum branching and minimum damage to trees through Ranginee Lac insect	Field visits, Field day, Kisan gosthi, trainings	20	80	-
Mandla	Wheat	Weed Management	Isoproturon 1000 g+2-4-D 500 gm at 25-30 DAS	Field visits, Field day, Kisan gosthi, trainings	5	38	22
Mandla	Linseed	IPM	Early planting (15 oct. to 1st week of Nov.) + need based application of systemic insecticide	Field visits, Field day, Kisan gosthi, trainings	7	43	12
Mandla	Chilli	INM	Use of vermi compost/FYM + RDF (100:50:50) + Azotobactor	Field visits, Field day, Kisan gosthi, trainings	3	14	4
Mandla	Cabbage	INM	Use of vermicompost + RDF (150:100:40 NPK) + azotobactor	Field visits, Field day, Kisan gosthi, trainings	4	15	5
Mandla	Maize	Drudgery reduction	Use of Improved tool (Maize sheller)	Field visits, Field day, Kisan gosthi, trainings	12	60	-
Mandla	Backyard Poultry	Income Generation	Improved breed Krishna-J (Dual purpose coloured Bird)	Field visits, Field day, Kisan gosthi, trainings	4	25	-
Mandla	Paddy	INM	Nutrient Management in Low land paddy	Field visits, Field day, Kisan gosthi, trainings	6	38	7
Mandla	Soybean	INM	Nutrient management	Field visits, Field day, Kisan gosthi, trainings	2	10	5
Mandla	Pigeon pea	Varietal Evaluation	ICPH-2671	Field visits, Field day, Kisan gosthi, trainings	2	15	3
Mandla	Tomato	INM	Micronutrient Management on growth & yield	Field visits, Field day, Kisan gosthi, trainings	2	12	2
Mandla	Brinjal	IPM	Management of fruit & shoot borer in brinjal	Field visits, Field day, Kisan gosthi, trainings	2	18	3
Mandla	Paddy	Drudgery reduction	Paddy marker in SRI method of transplanting	Field visits, Field day, Kisan gosthi, trainings	3	12	3
Mandla	Kodo,Kutaki	Value addition	Value addition of Miner millets (Kodo, Kutki)	Field visits, Field day, Kisan gosthi, trainings	2	10	3
Mandla	Wheat	Varietal Evaluation	JW-3211	Field visits, Field day, Kisan gosthi, trainings	5	12	8
Mandla	Gram	Varietal Evaluation	JG-130	Field visits, Field day,	4	16	8

				Kisan gosthi, trainings			
Mandla	Mustard	Varietal Evaluation	Pusa Jaikisan	Field visits, Field day, Kisan gosthi, trainings	2	10	5
Mandla	Tomato	INM	Micronutrient management in Tomato as per STV	Field visits, Field day, Kisan gosthi, trainings	2	5	2
Mandla	Poultry	Income Generation	Backyard poultry Mortality % Av. wt. /bird after 7 week *to be continue around the year	Field visits, Field day, Kisan gosthi, trainings	6	18	-
Mandla	Seasonal Vegetables	Nutritional Security	Nutritional Kitchen Gardening [Improved variety of vegetables & Fruits,] One season crop	Field visits, Field day, Kisan gosthi, trainings	2	20	2

Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Mandla	Varietal Evaluation	Paddy	Kharif 2011	Improved variety of Paddy(JRH-8)	Paddy-2	Improved variety of Paddy (JRH-8)	70.0	20.0	250%	2	-	3	-	5
Mandla	IWM	Soybean	Kharif 2011	Integrated Weed Management	Soybean-5	Weed management in Soybean	Failed	-	-	2	7	1	-	10
Mandla	IPM	Pigeon pea	Kharif 2011	Integrated Pest Management	Pigeon pea	Pigeon pea	Failed	-	-	2	3	7	-	12
Mandla	Women in Agriculture	Vegetable	Around the year	Nutritional Kitchen gardening	Seasonal Vegetables	Nutritional Kitchen Gardening	32 kg	17Kg	88%	3	-	7	-	10

Mandla	Drudgery reduction	Hand operated double screen grain cleaner	Kharif 2011	Drudgery reduction using by hand operated double screen grain cleaner	Hand operated double screen grain cleaner-1	Drudgery reduction using by hand operated double screen grain cleaner	Output Kg/hr-218	24	-						
							Labour Requirement-2	1		3	-	7	-		10
							Heart beats-102 (bpm)	97							
Mandla	Gram	Gram	Rabi 2011-12	Improved variety of Gram(JG-11)	Gram-5	Improved variety of Gram(JG-11)	17.27	10	72%	-	2	8	-		12
Mandla	Wheat	Wheat	Rabi 2011-12	Improved variety of Wheat(JW-3211)	Wheat-5	Improved variety of Wheat(JW-3211)	36.22	20	81%	-	2	8	-		12
Mandla	Mustard	Mustard	Rabi 2011-12	Improved variety of Mustard(Pusa-Agrhani)	Mustard-5	Improved variety of Mustard(Pusa-Agrhani)	13.51	8	64%	12	-	-	-		12
Mandla	Anola	Value Addition	Rabi 2011-12	Making of Trifla	FW -5	Value Addition of Anola by making of Trifla	Trifla Making cost-110/- Selling cost 300/-kg	Selling of Dried Anola 60/-Kg	32%	-	4	1	-		5

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Mandla	Paddy	Improved variety of Paddy(JRH-8)	Yield/ha	70.0	20.0	15500	8245	84000	24000	6850.0	15755	5.4	2.8.
Mandla	Pigeon pea	Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-
Mandla	Soybean	Integrated Weed Management	Yield/ha	-	-	-	-	-	-	-	-	-	-
Mandla	Vegetable	Nutritional Kitchen gardening	Av. Return/Unit	-	-	-	-	-	-	-	--	-	-
Mandla	Hand operated double screen grain cleaner	Drudgery reduction using by hand operated double screen grain cleaner in Gram	Output Kg/hr	218	24	-	-	-	-	-	-	-	-
			Labour requirement	2	1								
			Heart beats	102	97								
Mandla	Wheat	Improved variety of Wheat(JW-3211)	Yield Q/ha	36.22	20	13996	10567	50164	27700	36168	17133	3.58	2.61
Mandla	Gram	Improved variety of Gram(JG-11)	Yield Q/ha	17.27	10	12878	8500	51810	30000	38932	21500	4.0	3.5
Mandla	Mustard	Improved variety of Mustard(Pusa-Agrhani)	Yield Q/ha	13.51	8	8200	7630	43232	25600	35032	17970	5.2	3.35
Mandla	Anola	Value Addition	Income /Kg	190/- Kg	60/- Kg	110/- Kg	60/- Kg	300/- Kg	60/- Kg	190/- Kg	60/- Kg	2.7	1

3.4 Feedback of the Farmers

Name of KVK	Feedback
Mandla	The technology found beneficial due to bold seed & more yield in Paddy crop
Mandla	The technology found economic due to big size of the fruit, more yield in Cauliflower & less deficiency symptoms of boron found
Mandla	Farmers liked the technology to Drudgery reduction using by hand operated double screen grain cleaner in Gram
Mandla	The variety JG-11 can be used in Rainfed/ irrigation situation in medium soil & Yield was good & less incidence of wilt in Gram crop
Mandla	Yield of JW-3211 was good as compared to Sujata & height was medium. Variety is suitable for limited irrigation in Wheat crop
Mandla	Pusa Agrani variety of Mustard found suitable for Rainfed/irrigated situation & more yield potential.
Mandla	Farmers liked the technology to Value addition of Anola by making Trifla uses of higher meditational Value

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mandla	Gram	Field days	2	23	-
		Farmers Training	2	45	-
		Media coverage	-	-	-
		Training for extension functionaries	1	32	-
Mandla	Wheat	Field days	1	25	-
		Farmers Training	2	28	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Mandla	Farmers and Farmwomen	diagnostic field visit, group discussion, and exploratory survey etc.	31.04.11 & Devhar	
Mandla	Farmers and Farmwomen	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.		
Mandla	Rural youth	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.		
Mandla	Rural youth	diagnostic field visit, PRA tools, group discussion, and exploratory survey etc.		

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandla	FW	ONC	CRP	Rejuvenation of old orchards	1	1	1	-	-	-	10	2	16	4
Mandla	FW	ONC	CRP	Cultivation teach of Kharif crops	1	1	43	-	12	5	52	3	40	-
Mandla	FW	ONC	CRP	Seed production teach. Of Kharif	1	1	2	-	1	-	10	-	12	-
Mandla	FW	ONC	CRP	Storage teaching of grains at house hold level	1	1	1	-	-	-	13	-	11	-
Mandla	FW	ONC	CRP	Weed management of Kharif crops	1	1	1	-	2	-	9	-	8	-
Mandla	FW	ONC	CRP	Weed management of Kharif crops	1	1	1	-	2	-	9	-	8	-
Mandla	FW	ONC	CRP	Resource conservation of technology integrated technology.	1	1	-	-	4	-	26	-	-	-
Mandla	FW	OFC	CRP	Integrated Weed management of Kharif crops	1	1	-	-	-	-	23	-	7	-
Mandla	FW	OFC	CRP	Integrated disease Management of Kharif	1	1	-	-	-	-	27	-	3	-
Mandla	FW	OFC	CRP	Resource conservation of technology of Kharif.	1	1	-	-	-	-	18	2	-	-
Mandla	FW	OFC	CRP	Integrated pest management of Kharif crops	1	1	-	-	-	18	-	-	-	-
Mandla	FW	OFC	CRP	Nursery management of Kharif crops.	1	1	-	-	-	-	25	-	-	-
Mandla	FW	OFC	CRP	Cultivation technology of pulses crop.	1	1	-	-	1	-	17	-	4	-
Mandla	FW	OFC	CRP	Integrated pest management of Kharif crops	1	1	-	-	-	-	8	-	6	-
Mandla	FW	OFC	CRP	Resource conservation of technology of Kharif.	1	1	-	-	-	-	35	3	14	2
Mandla	FW	OFC	CRP	Integrated nutrient management of Rabi crops.	1	1	-	-	-	-	34	-	7	2
Mandla	FW	OFC	CRP	Production technology and crop harvesting and storage of Kharif crops.	1	1	-	-	1	-	16	2	-	-
Mandla	FW	OFC	CRP	Bio control of test and diseases of	1	1	-	-	-	-	12	1	16	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				Rabi crops.										
Mandla	FW	OFC	CRP	Integrated pest management of Rabi crops.	1	1	-	-	1	-	24	-	7	-
Mandla	FW	OFC	CRP	Improve production technology of Rabi crops.	1	1	-	-	2	-	8	-	6	-
Mandla	FW	OFC	CRP	Post harvest technology of sugarcane.	1	1	-	-	-	7	3	10	10	-
Mandla	FW	OFC	CRP	Integrated nutrient management	1	1	-	-	-	-	16	10	-	-
Mandla	FW	OFC	CRP	Improve method of vermin composting.	1	1	0	0	1	0	31	0	0	0
Mandla	FW	OFC	CRP	Production technology of Rabi crops.	1	1	5	-	-	-	2	-	21	-
Mandla	FW	OFC	CRP	Production technology of Rabi crops.	1	1	1	-	-	-	13	-	1	-
Mandla	FW	OFC	CRP	Production technology of lentil & Pea.	1	1	-	-	-	-	24	-	-	-
Mandla	FW	OFC	CRP	Post Harvest technology of Rabi Crops	1	1	-	-	-	-	14	-	7	-
Mandla	FW	ONC	CRP	Production Technology of Rabi crops.	1	1	-	-	-	-	27	-	22	-
Mandla	FW	ONC	CRP	Integrated Dieses management in Gram.	1	1	3	-	4	-	6	-	10	-
Mandla	FW	ONC	CRP	Nursery management & dieses control bio method.	1	1	-	-	-	-	11	2	8	-
Mandla	FW	ONC	CRP	Modern agriculture vermin compost & nursery management.	1	1	-	-	-	-	11	13	-	-
Mandla	FW	OFC	CRP	Integrated Dieses management for Rabi	1	1	-	-	2	-	25	-	3	-
Mandla	FW	OFC	CRP	Intercropping system	1	1	-	-	3	-	26	-	-	-
Mandla	In service	ONC	CRP	Crop production technology of Rabi crops	1	1	-	-	3	-	6	-	5	-
Mandla	FW	OFC	HOV	Integrated nutrient management of vegetables crops.	1	1	-	-	3	-	17	-	-	-
Mandla	FW	OFC	HOF	Rejuvenation of old orchards	1	1	1	-	-	-	10	2	16	4
Mandla	FW	OFC	WOE	Gender mainstreaming though SHG.	1	1	-	-	-	-	3	2	4	5
Mandla	FW	OFC	WOE	Income generation through grading &	1	1	-	-	-	4	-	-	-	19

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				packaging										
Mandla	FW	OFC	WOE	Water Purification technology in rural area.	1	1	-	-	-	-	15	2	2	-
Mandla	FW	OFC	WOE	Efficiency enhancement trough double screen grain cleaner.	-	-	-	-	-	-	2	18	-	-
Mandla	FW	OFC	WOE	Nutritional kitchen garden in rural area.	1	1	-	-	-	-	-	-	21	6
Mandla	FW	OFC	WOE	Mushroom cultivation technology for income generation.	1	1	-	-	-	20	-	-	--	-
Mandla	FW	OFC	WOE	Storage loss minimization technology	1	1	-	-	-	-	2	5	9	5
Mandla	FW	OFC	WOE	Value addition of miner millets (Kodo & Kutki)	1	1	-	-	-	-	1	23	-	21
Mandla	FW	OFC	WOE	Minimization of nutrient losses in processing	1	1	-	-	-	-	12	1	16	-
Mandla	FW	OFC	WOE	Drudgery reduction by Agri. improved tools of farm women	1	1	-	-	3	2	-	-	-	-
Mandla	FW	OFC	WOE	Preservation technology of local fruits (Imli, Anvla. Karonda)	1	1	-	-	5	-	20	-	13	-
Mandla	FW	ONC	WOE	Low calories nutritional food	1	1	-	14	-	-	-	-	-	3
Mandla	FW	ONC	WOE	Design and development of Low cost diet by Soybean.	1	1	-	-	-	-	-	11	-	-
Mandla	FW	OFC	WOE	Method of vermin composting.	1	1	-	-	-	-	-	-	-	19
Mandla	RY	ONC	WOE	Mushroom Cultivation for income generation of farm women	1	5	-	1	-	1	-	-	4	6
Mandla	RY	ONC	WOE	Value addition of Soybean	1	5	-	-	-	-	-	18	-	3
Mandla	In Service	ONC	WOE	Low cost & Nutrient efficient Diet Design for Growing Child	1	1	-	-	-	1	-	13	-	6
Mandla	In Service	ONC	WOE	Household food security by efficient use of Grain &Pulses	1	1	-	-	-	1	-	9	-	10
Mandla	FW	OFC	LPM	Reproductive management in female cow	1	1	2	-	-	-	21	1	-	-
Mandla	FW	OFC	LPM	Technology of poultry management.	1	1								

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandla	In service	ONC	LPM	Treatment of Dieses Management in Lactating Cows.	1	1	1	-	-	-	6	-	-	-
Mandla	FW	ONC	CRP	Integrated Pest Management of Kharif crops.	1	1	6	-	2	-	6	-	11	-
Mandla	FW	OFC	CBD	Formation & Management of SHGs	1	1	-	-	-	2	-	10	10	2

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Mandla	Mushroom Cultivation for income generation of farm women	Mushroom Cultivation	Income generation	5	-	1	-	-	4	7
Mandla	Value addition of Soybean	Soybean	Income generation	5	-	-	-	18	-	3

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Mandla	Value addition of soybean	Self	2	2	5
Mandla	Handicraft making	Self	8	6	12
Mandla	Nursery management of Horticultural crops	Self	6	6	10

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Mandla	Integrated Farming System	Income generation	IFS	FW	1	1	11	-	01	0	37	7	DBT Project	-

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

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

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Mandla	Cultivation Technology of Kharif Crops	152	10	35	6-7	12-15	5000-6000	9000-12000	1. 35000 ha. area covered 2. 30000 Farmers 3. 35 % change in income
Mandla	Cultivation technology on oilseeds	20	3-4	7-8	1.5-2.0	3.5-50	800-1000	2000-2500	1. 800 2. 80
Mandla	Cultivation Technology of Pulse Crop	18	6-7	15-20					
Mandla	Seed production technology of Kharif crop	25	3-4	6-7					
Mandla	Resource conservation technologies in Kharif crops	68	1-2	5-6					
Mandla	Weed management in Kharif Crop	84	4-5	6-7					
Mandla	Rejuvenation of old orchards	33	0	1-2					
Mandla	Plant propagation techniques	21	3-4	7-8					
Mandla	Nursery Management of Kharif Crops	15	2-3	6-8					
Mandla	IDM in Kharif	48	3-4	7-9					
Mandla	IPM of Kharif Crops	55	4	15					
Mandla	IPM of Kharif Crops	15	5	15					
Mandla	INM in Kharif crops	14	2	17					
Mandla	Gender Mainstreaming through SHG	15	6	11					

Mandla	Income generation through grading & packaging.	23	2	8					
Mandla	Storage technique of Grains at house hold level	25	2	15					
Mandla	Water purification technique in rural areas	19	2	20					
Mandla	Household security by kitchen garden	27	8	20					
Mandla	Low calories nutrient food	17	1	8					
Mandla	Income generation through mushroom cultivation	16	2	15					

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Mandla	Field Day	4	3	0	0	0	0	0	0	FLD	Gram, Whe at, Gram	Flowering, Harvesting
Mandla	Kisan Mela	1	2	87	9	129	17	18	3	Kharif & Rabi Season	-	-
Mandla	Kisan Ghosthi	2	4	157	36	274	28	6	0	Paddy-Kharif, Gram-Rabi	Under-TSP Project & NAIP	Harvesting
Mandla	Exhibition	1	6	244	45	448	45	24	3			
Mandla	Film Show	2	4	37	4	16	39	0	0	Trainings and visits	SRI-Method, Poultry, Soy Processing	
Mandla	Method Demonstrations	0	0	0	2	0	19	0	0		Soy Processing	
Mandla	Farmers Seminar	0	0	0	0	0	0	0	0			
Mandla	Workshop	0	0	0	0	0	0	0	0			
Mandla	Group meetings	0	0	0	0	0	0	0	0			
Mandla	Lectures delivered as resource persons	6	6	129	12	218	19	9	2			
Mandla	Newspaper coverage	20	12	-	-	-	-	-	-			
Mandla	Radio talks	2	4	-	-	-	-	-	-			
Mandla	TV talks	0	1	-	-	-	-	-	-			
Mandla	Popular articles	10	7	-	-	-	-	-	-			
Mandla	Extension Literature	4	6	-	-	-	-	-	-			
Mandla	Farm advisory Services	100	58	-	-	-	-	-	-			
Mandla	Scientific visit to farmers field	30	39	29	3	31	5	0	0			
Mandla	Farmers visit to KVK	4	17	40	22	51	8	0	0			
Mandla	Diagnostic visits	20	26	59	20	88	11	0	0			
Mandla	Exposure visits	0	1	14	0	16	0	0	0			
Mandla	Ex-trainees Sammelan	1	0	0	0	0	0	0	0			
Mandla	Soil health Camp	2	1	4	5	4	2	0	0			
Mandla	Animal Health Camp	1	1	16	0	6	0	4	2			
Mandla	Agri mobile clinic	-	-	-	-	-	-	-	-			

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Mandla	Soil test campaigns	-	-	-	-	-	-	-	-			
Mandla	Farm Science Club conveners meet	-	-	-	-	-	-	-	-			
Mandla	Self Help Group conveners meetings	-	2	0	20	0	12	-	-			
Mandla	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-			
Mandla	Celebration of important days	2	1	24	3	4	32	-	-			

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
Mandla	April 2011	Three month	1000	1000
Mandla	July 2011	Three month	1000	1000
Mandla	October 2011	Three month	1000	1000
Mandla	January 2012	Three month	1000	1000

7-2 Literature developed/publi

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
Mandla	15.07.11	Ramtil Utpadan Takniki	Smt. Shushma Nema and Dr. H.S. Rai	1000
Mandla	15.07.11	Til Utpadan Takniki	Smt. Shushma Nema and Dr. H.S. Rai	1000

7.3 Details of Electronic Media Produced: Nil

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Mandla	Cereals	-	-	-	-	-	-	-
Mandla	Pulses	-	-	-	-	-	-	-
Mandla	Oilseeds	Soybean	JS 95-60	SD	1.75	qtl	10500	-
Mandla		Niger	JNC-9	SD	1.35	qtl	8910	-
Mandla	Fruits	-	-	-	-	-	-	-

8.2 Planting Material production: NIL

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

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income (Rs.)	
Mandla					
Mandla	BIOFERTILIZERS (Vermicompost)	31.1 q	4000	15550	
Mandla	Azotobactor	20 kg		1000	
Mandla	Rhizobium	20 kg		1000	
Mandla	PSB	50 kg		2400	
Mandla	BIO PESTICIDES (Trichoderma)	640 gm		768	

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Mandla	Cattle						
Mandla	Buffalo						

Mandla	Sheep and Goat	Jamunapari	Kids	10		33150	
Mandla	Poultry						
Mandla	Fisheries						
Mandla	Others (Specify)						

9. Activities of Soil and Water Testing Laboratory

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

Year of establishment : -

9.1 Details of soil & water samples analyzed so far : NA

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

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
Mandla	-	-	-	-	-	-	-	-	-	-

11. Utilization of Farmers Hostel facilities: NA

Accommodation available (No. of beds) :

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

12. Utilization of Staff Quarters facilities: NA

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

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mandla	24.05.2011	11	Short duration variety introduces through demonstration of Paddy, Niger and Maize crop Should be increase no. of members of KMA Collection and Nursery develop on mother plants of Mango variety <i>Totapari, and Baigan Palli.</i>

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Mandla				
Mandla	182	1000	70	

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Mandla	ATMA	Central		Trainings, Field visit	Niwas, Nainpur, Mandla, Bichia, Narayanganj	
Mandla	MNREGA					
Mandla	NHM	Central		Trainings, Field visit	Niwas, Nainpur, Mandla, Bichia, Narayanganj	
Mandla	RKVY					
Mandla	DRDA					
Mandla	Zila Panchyat					
Mandla	Seed village	Central	60000	Seed distribution, trainings	Nainpur, Mandla	
Mandla	NAIP	Central		Trainings, demonstrations		
Mandla	Climate Change					
Mandla	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Mandla	20031			

17. Awards & Recognitions: NII

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

18. PREMLAL SANGOUR – A Pioneer of Integrated Farming System

Best Progressive Farmer – KVK MANDLA

Premlal Sangour
Village Boriya
City-Mandla,
State-Madhya Pradesh



Premlal sangour, a farmer by profession was born on ,1964 at Boriya village, Tehsil Mandla, District Mandla (M.P.).He got his BA(art) education from his own village. His academic career was good and intelligent in reading, but due to poverty he could not get higher education. When he was therty five years old he had to take responsibility of family and started cultivation on 3.2 ha. irrigated land, in his family there are Six family members. Being the eldest, he had to take on the responsibility of his family.

In his 35 years experience of cultivation, he has expent only three years in adopting improved production technology, but in a very little time, he got tremendous change in his livelihood. In 2007-08, he introduced himself to the scientists of Krishi Vigyan Kendra Mandla. He asked question to the KVK scientists for increasing the production of Paddy using low cost input technology. Looking to the need, KVK scientists asked him for gathering of cultivators of his own Boriya village to get training on system of Rice Intensification KVK Mandla organized training and cultivators of the village got training on SRI and out of which 6 farmers were ready to adopt SRI on their fields.

He is the first in the district who are adopting the integrated farming system even after he bears a very less land (3.2 ha. irrigated land), further he is the first ever in the district who adopted system of Rice intensification and got record production (75 q/ha. variety PS-5,MTU-1010). Some of the problems that Premlal faced during the adoption of SRI were his own family members and villagers. They didn't want to do as practices of SRI were told because their traditional method of transplanting was 21 days old seedlings 100 kg seed rate per ha. without seed treatment not good prepared Nursery, closer spacing and submerged condition of fields. When he told about the SRI to the family members, they threatened him for not reaching the fields. In spite of these problems, he decided to go with scientist and adopted the SRI first ever in the district. He prepared good raised bed Nursery size 2mx10m, 5 kg seed per ha. treating with fungicide & insecticide, mixing of vermicompost, 10 days old seed-lings were transplanted at spacing 25cm x 25cm , irrigated the fields when required, timely controlled of the weeds by weedicide & manually and applied insecticide and fungicide when required. Finally he got record production of PS-5 (75 q/ha.) as he used to get only 20 q/ha by traditional method. Family members were very happy to see the higher production.

After three years now he has become a progressive farmer. He has prepared a NADEP pit and Biogas plant with the help of Agriculture Department. Further using biogas plant he is lightening his house, consuming gas for cooking. There are 5 Mango fruit plants on the bunds of his fields. He is taking lac production on Mango fruit plants and Banana getting income Rs. 10000 per annum. At present he has two cows, two bullocks, 4 goats, 6 hens, a small kitchen garden, some fruit plants, some improved tools, sprinkler etc.

He is a winner of best of progressive farmer of Mandla district. He is adopting improved varieties and hybrids of Paddy i.e. MTU-1010, PS-3 and Wheat crop variety JW-3211. In his uncultivable land he has transplanted 200 plants of Aonla and Guava.

2. Shri Ramesh Tiwari – A Pioneer of Vegetable Farming System

Name -Shri Ramesh Tiwari

Village -Paijwara

City -Mandla,

State -Madhya Pradesh



Ramesh Tiwari a young farmer of Paijwara village, Mandla district, practiced conventional farming in Highbred vegetable crops like Capsicum & Tomato in the medium sandy loam soil. Last year he visited Singarpur vegetable farm at Mohgoun Block, Mandla district and make a lesson our self. He visited in a progressive farmer in Singarpur vegetable farm at Mohgoun Block, of district and approached vegetables farming with help of KVK. He was visited to KVK concern with scientist for growing highbred vegetable and marketing linkage. He approached to KVK time to time for further advise . He planned to cultivate Capsicum and Tomato. Then, he prepared his land under the supervision of scientists of Krishi Vigyan Kenrda follow making of bed in *Israeli* technology. He started the cultivation of Capsicum variety (Sinzenta Indra) & Tomato variety (Laxami,US-1080) in his own field in an area of 31 Acar. He ploughed the lands four times and applied NPK 100:50:50 Through DAP , Zinc sulphate , potash and fYM @ 200 qt./ ha as a basal dose. Then he formed raised beds of 75 cm with at an interval of 60 cm for sowing and placed the laterals on the centre of each row at the rate one drip pipe. The beds are wetted through drip irrigation. Then capsicum & Tomato sowing was done in the month of 5th August and 11th August. Balance remain fertilizer dose are gave through drip system. He also planted the two lines in one bed. He sprayed Glicell weedicide. he transplanted seedlings in between the plant to plant spacing of 30 cm .He applied 5kg Calcium nitrate and Ammonium sulphate at five days interval by fertigation method throughout the cropping period.

He irrigated the field daily as per the need of the soil. He sprayed fungicide like Amidaclomid and Dithane 45 @ 2ml /lit of water on 20 days after sowing for the control of leaf spots. He sprayed Melathian pesticide @ 2ml /lit to crop on 30th day after sowing for controlling thrips. He harvested the crop in 3-4 month of after sowing, 275 days after sowing. He earned 1.25/ acar of Capsicum and 1.10/acar He sold local market Rs.7-8/kg. of season and Rs.15-20/kg.

He got high yield and quality farm produce by using sufficient water and fertilizers. Particularly vegetable fetched high price in markets of summer season. Agent and costumers came to field to take the produce directly. He spent Rs. 1.25/ acar of Capsicum and 1.10/acar of Tomato for cultivation practices. Ramesh is one of the happiest farmer in the region. He is enjoying precision farming with his family.

19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Mandla	Crop Cafeteria	<p>Kharif</p> <p>Paddy PS-1,PS-5, Tarori Basmati, IR-64, IR-36, JR -201, Mahamaya, Soybean JS-9752, JS-9560, Green Gram – Ganga-8, JM- 721, TN-99-37, Black Gram PDU-4, LBG-20, T-9, PU-35 Niger – JNC-1,</p> <p>Rabi</p> <p>Finger millet JK-39, JK-439, Wheat-JW -2004, JW -3163, JW-3020, JW-3269,JW -3211, JW-17, Sujata, Gram – JG-226, JG-218, JG-130,JG-315,JG-11, JG-74,JGK-3, JGG-1, Lineseed JL-27, JL-9, Mustered- JM-2,Pusa –Agrani.</p>
Mandla	Technology Desk	
Mandla	Visitors Gallery	
Mandla	Technology Exhibition	Vermicompost, Goatery, Micro irrigation system, BGA production
Mandla	Technology Gate-Valve	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Mandla			
Mandla			

21. Status of KVK Website: Available/Not Available

22. E-CONNECTIVITY: NA

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

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

24. INTERVENTIONS ON DROUGHT MITIGATION

(a) Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Mandla	Wheat JW-3020	20	50

(b) Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Mandla	Oilseeds		
Mandla	Pulses		
Mandla	Cereals		
Mandla	Vegetable crops		

Mandla	Tuber crops		
Mandla	Fruits		
Mandla	Spices		
Mandla	Cotton		
Mandla	Total		

(c) Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Mandla	Dairy Management		
Mandla	Disease management		
Mandla	Feed and fodder technology		
Mandla	Poultry management		
Mandla	Goatery management	8	240

(d) Animal health camps organised

Name of KVK	Number of camps	No. of animals	No. of farmers
Mandla	1	38	39
Mandla			

(e) Seed distribution in drought hit states

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

(f) Seedlings and Saplings distributed

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

(g) Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Mandla	Tricograma chilonis	100 cards (20000 eggs each)	10	25

(h) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mandla	Azotobactor	20	40	100

Mandla	Rhizobium	20	40	100
Mandla	PSB	50	80	200
Mandla	Trichoderma	0.64	30	20

(i) Verms Produced

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

(j) Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and list of resource conservation technologies introduced	Area (ha)	Number of farmers
Mandla	JRH-4, JR-201, IR-64, MTU-1010, ICPH -2671, JW-3020, JW-3211	165	340
Mandla			

(k) 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
Mandla	3	79	5	152	5	130	1	428	1	428	6	132
Mandla												

25. **Status of KVK Website:** Already having website/under construction
If available, please provide the address of website: **under construction**