

**ANNUAL PROGRESS REPORT  
OF  
KRISHI VIGYAN KENDRA  
SHAHDOL**

**PERIOD – April, 2012 to March, 2013**

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## PERIOD – April 2012 to March, 2013

### Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
SHAHDOL	OFTs	25	125	25	128	
SHAHDOL	FLDs – Oilseeds (activity in ha)	10	24	09	26	
SHAHDOL	FLDs – Pulses (activity in ha)	10	24	10	13	
SHAHDOL	FLDs – Cotton (activity in ha)					
SHAHDOL	FLDs – Other than Oilseed and pulse crops(activity in ha)	34	90	58.2	188	
SHAHDOL	FLDs – Other than Crops (activity in no. of Unit/Enterprise)			2	10	
SHAHDOL	Training-Farmers and farm women	66	1105	60	1749	
SHAHDOL	Training-Rural youths	8	120	13	210	
SHAHDOL	Training- Extension functionaries	8	120	7	105	
SHAHDOL	Extension Activities	311	1800	553	9413	
SHAHDOL	Seed Production (Number of activity as seeds in quintal)					1650
SHAHDOL	Planting material ((Number of activity as quantity of planting material in quintal)					
SHAHDOL	Seedling Production (Number of activity as number of seedlings in numbers)					
SHAHDOL	Sapling Production (Number of activity as number of sapling in numbers)					
SHAHDOL	Other Bio- products (No. of quantity)					7750
SHAHDOL	Live stock products					
SHAHDOL	Activities of Soil and Water Testing Laboratory					
SHAHDOL	Rainwater Harvesting System					
SHAHDOL	Kisan Mobile Advisory (KVK-KMA)	104	1000	14	1600	
SHAHDOL	SAC Meeting (Date & no. of core/ official members)	2	60	30/06/2012 11/10/2012	38 41	
SHAHDOL	Literature to be Developed/Published	42		65		
SHAHDOL	Convergence programmes / Sponsored programmes	2		5		
SHAHDOL	Utilization of Farmers Hostel					
SHAHDOL	Utilization of Staff Quarters					
SHAHDOL	Details of KVK Agro-technological Park					

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	
SHAHDOL	Crop Cafeteria-	4	Mass	4	MAss	
SHAHDOL	Farm Innovators- list of 10 farm innovators from the District					
SHAHDOL	Status of Revolving Funds					
SHAHDOL	Awards and Recognitions					
SHAHDOL	Case study / Success Story to be developed			3		
SHAHDOL	KVK Progressive Farmers interaction			4		
SHAHDOL	Outreach of KVK in the District (No. of blocks, no. of villages)	5	40	5	50	
SHAHDOL	Technology Demonstration under Tribal Sub Plan			3	170	
SHAHDOL	KVK Ring					
SHAHDOL	Important visitors to KVK			8		
SHAHDOL	Status of KVK Website			Running		
SHAHDOL	Status of RTI					
SHAHDOL	E-connectivity			Working		
SHAHDOL	Details of Technology Week Celebrations					
SHAHDOL	Interventions on Drought Mitigation					
SHAHDOL	Proposal of NAIP					
SHAHDOL	Proposal of NICRA					
SHAHDOL	Well labeled photographs					
SHAHDOL	Other Activities – Institutional charges					20000
SHAHDOL	Other Activities – Sale of Produce of Demo Unit					1300

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date 31.03.13)

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)
SHAHDOL	Programme Coordinator	Dr. Mrigendra Singh	I/C PC, Horti	PhD	Vegetable & Flower Crop	37400-67000 + GP 9000	46400	12-01-2005	Permanent	Others
SHAHDOL	Subject Matter Specialist1	Shri S.R. Dhuware	Ag. Ex.	M.Sc. Ag.	Agriculture Extension & Rural Sociology	15600-39100 + GP 6000	25050	03-03-2007	Permanent	OBC
SHAHDOL	Subject Matter Specialist2	Smt. Alpana Sharma	Home Science	M.Sc. Ag.	Food Science & Technology	15600-39100 + GP 6000	25050	13-07-2007	Permanent	Others
SHAHDOL	Subject Matter Specialist3	Dr. Akhilesh Kumar	Plant Protection	PhD	Plant Protection	15600-39100 + GP 6000	21600	01-11-2011	Temporary	Others
SHAHDOL	Subject Matter Specialist4	-	-	-	-	-	-	-	-	-
SHAHDOL	Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
SHAHDOL	Subject Matter Specialist6	-	-	-	-	-	-	-	-	-
SHAHDOL	Programme Assistant	Shri Nitin Kumar Singhai	Agronomy	M.Sc. Ag.	Agronomy	-	-	13-06-1995	Permanent	Others
SHAHDOL	Farm Manager	Sh. D.K. Shrivastava	Ag. Ext.	M.Sc. Ag.	Ag. Ext.	15600-39100 + GP 5400	25090	14-08-1986	Permanent	Others
SHAHDOL	Computer Programmer	Sh. Rishiraj Negi	Computer	BCA/ Doeacc A Level	Web -based Application, Office Utilities	6500-10500	6500	04-04-2008	Permanent	Others
SHAHDOL	Accountant / superintendent	Smt. Asha Shrivatava	Asstt. Grade III	B.A.	-	9300-34800 + GP 3600	15580	12-08-1996	Permanent	Others
SHAHDOL	Stenographer	Shri Krishna Pal Singh	Asstt. Grade III	B.Sc.	-	5200-20200 + GP 2800	14570	09-10-2006	Permanent	Others
SHAHDOL	Driver	Shri Badri Prasad Yadav	Driver	VII Pass	-	-	-	02-02-1999	Permanent	OBC
SHAHDOL	Driver	Shri Sukhbir Singh	Driver	Higher Secondary	-	5200-20200 + GP 1900	8550	21-07-2008	Permanent	Others
SHAHDOL	Supporting staff	Shri Parmesh	Peon	-	-	5200-20200 + GP 1900	8550	04-09-1995	Permanent	SC
SHAHDOL	Supporting staff	-	-	-	-	-	-	-	-	-

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

- **Total Geographical Area (ha)= 5642 km<sup>2</sup>**
- **Total No. Tehsil = 4**
- **Total No. of Block = 5**
- **Total No. of Village = 886**
- **Total Cultivated Land (ha) = 206920**
- **Total area Under Kharif Crop (ha) = 171553**
- **Total Under Rabi Crop (ha) = 35367**
- **Double Cropped Area(ha) = 27443**
- **Cropping Intensity (%) = 113**
- **% Irrigated Area = 9.08**
- **% Rainfed Area = 90.9**
- **Area Under Vegetable Crop(000ha)= 1603**
- **Area Under spices (ha) = 157**
- **Area Under Forest (000 ha) = 227698**
- **Average rainfall (mm) = 1174**
- **Rainfall (mm) Jun-Jan= 1252, Rainy Days=51**

**1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2012 to 31.3.2013 (Approved by competent Authority in meetings/workshops)**

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
SHAHDOL	Sinduri	2008-09	Sohagpur	5 KM	6000	200
SHAHDOL	Sinduri Bharri	2012-13	Sohagpur	20 Km	2370	330

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

KVK Name	THRUST AREA
SHAHDOL	Promotion of rural entrepreneurship for additional income generation and employment generation
SHAHDOL	Drudgery reduction through efficient implements
SHAHDOL	Crop improvement and diversification
SHAHDOL	Seed replacement
SHAHDOL	Integrated pest management
SHAHDOL	Integrated plant nutrient management
SHAHDOL	Water and soil conservation
SHAHDOL	Annual house hold food security
SHAHDOL	Livestock Production & Management.

**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
SHAHDOL	Low yield of Paddy, Soybean, Black Gram, Wheat and gram Low milk production, seasonal disease outbreak	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Sinduri                      Block- Sohagpur Sinduri Bharri            Block- Sohagpur

## 2. On Farm Testing

### 2.1 Information about OFT to be conducted

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
SHAHDOL	2012/Kharif	Low yield of small millets – Kodo without fertilization	Assessment	ICM	Kodo	Rainfed	2	5	Assessment of INM in Kodo variety JK-13	Yield (q/ha)=2.74	Yield(q/ha)=6.32	850	2835
SHAHDOL	2012/Kharif	Low yield of Paddy under rainfed condition specially in condition of long dry spell	Assessment	ICM	Paddy	Rainfed	2	5	Assessment of new paddy variety Indira Barani Dhan -1	Yield (q/ha)=14	Yield(q/ha)=29	4130	9980
SHAHDOL	2012/Kharif	Low yield of direct seeded paddy in upland condition	Assessment	ICM	Upland Paddy	Rainfed	2	5	Assessment of new paddy variety Samleshvari under upland condition	Yield (q/ha)=12.5	Yield(q/ha)=26.5	3665	8812
SHAHDOL	2012/Kharif	Low yield of direct seeded local varieties of paddy in upland condition	Assessment	ICM	Upland Paddy	Rainfed	0.8	2	Assessment of new variety of Paddy “Birsā Vikas Dhan – 109” under upland condition	Yield (q/ha)=10.75	Yield(q/ha)=19.5	3735	6830
SHAHDOL	2012/Kharif	Low yield of local cultivars of 90-95 days duration	Assessment	ICM	Paddy	Rainfed	1	2	Assessment of short duration paddy hybrid JRH-17	Yield(q/ha)=18.5	Yield=(q/ha)39	5950	12175
SHAHDOL	2012/Kharif	Low yield of local cultivars of short duration	Assessment	ICM	Paddy	Rainfed	0.65	1	Assessment of short duration paddy hybrid JRH-19	Yield(q/ha)=21.5	Yield(q/ha)=40.5	6875	14300
SHAHDOL	2012/Kharif	Low yield	Assessment	ICM	Paddy	Rainfed/Semi-irrigated	1	1	Assessment of SRI Paddy cultivation for targetted yield of 240 q/ha	Yield(q/ha)=78	Yield(q/ha)=118	57300	99300
SHAHDOL	2012/Kharif	Low production & long duration crop	Assessment	Varietal Evaluation	Chilli	Upland	0.5	5	Assessment of Kashi Anmol (KA-2) var. of Chilli	Yield(q/ha)=63	Yield(q/ha)=95	51550	95730
SHAHDOL	2012/Kharif	No income from bunds	Assessment	Varietal Evaluation	Colocasia	Upland	0.5	5	Assessment of Narendra Arbi-1 var. of Colocasia	Yield(q/ha)=165	Yield(q/ha)=250	83000	154000
SHAHDOL	2012/Kharif	Low Production due to frost damage	Assessment	Varietal	Pigeon Pea	Upland	1	5	Assessment of Early maturity variety of Arhar (ICPL-2671)	Branches/ Plant : 4 Pods/ Plant : 46 Yield (q/ha) 10.40	Branches/ Plant : 5 Pods/ Plant : 59 Yield (q/ha)= 15.25	12975	25500



SHAHDOL	2012/ Kharif	Low Production	Assessment	Varietal	Seasame	Upland	1	5	Assessment of new variety of Sesamum (TKG-22)	Branches/ Plant : 4 Pods/ Plant : 46 Yield(q/ha) =5.5	Branches/ Plant : 5 Pods/ Plant : 59 Yield(q/ha)= 7.5	9475	16340
SHAHDOL	2012/ Kharif	Low production & quality of grain and problem of high infestation in farmers field	Assessment	IPM	Paddy	Lowland		5	Assessment of Chlorpyriphos 1.5% in management of Rice gundhi bug in paddy	No. of bugs /meter row length -2.2 Yield (q/ha)= 39.50	No. of bugs /meter row length 0.8 Yield(q/ha)= 57.50	42015	23085
SHAHDOL	2012/ Kharif	Low production & quality of fruits and problems prevailing in farmers field	Assessment	IPM	Chilli	Upland		5	Assessment of Abamectin 1.8 EC of mites management in Chilli	No. of Mites / leaf - 1.80 Yield(q/ha)=78	No. of Mites / leaf – 0.75 Yield(q/ha)= 120	139650	76100
SHAHDOL	2012/ Kharif	High drudgery during paddy seeding	Assessment	Drudgery Reduction	Paddy	Midland Paddy		5	Assessment of 4 row paddy drum seeder	In lehi paddy cultivation line sowing is not practiced	Output(m2 /hr)=630 Mean value pulse rate(Beats/min)=61 Mean Value of Heart Rate(Beats/min)=135 Cardiac Cost(beats/m2)= 8		
SHAHDOL	2012/ Kharif	Low income of Farm women	Assessment	Value addition	Mahua			5	Assessment of income enhancement through value addition of Mahua	Av. cost of production-55	Av. cost of production-80	84	140
SHAHDOL	2012/ Rabi	Low yield of Sharbati type wheat varieties under assured irrigation	Assessment	Varietal Evaluation	Wheat	Irrigated	2	5	Assessment of high yielding wheat variety GW-322	Yield(q/ha) (JW3211) =43	Yield(q/ha)= 61	35650	59500
SHAHDOL	2012/ Rabi	Low yield of Sharbati type wheat varieties under assured irrigation	Assessment	ICM	Wheat	Irrigated	2	5	Assessment of wheat variety HI-1418 under late sown condition	Yield(q/ha) (Lok1) =44	Yield(q/ha) =63.5	36600	60800
SHAHDOL	2012/ Rabi	Low production	Assessment	Varietal Evaluation	Radish	Upland	0.5	5	Assesment of Kashi Sweta variety of Radish	Yield(q/ha)=256	Yield(q/ha)=325	174750	236000
SHAHDOL	2012/ Rabi	Low production due to old varieties	Assessment	Varietal Valuation	Brinjal	Upland	0.5	5	Assessment of IVBL-9 variety of Brinjal	Yield(q/ha)=260	Yield(q/ha)=340	283875	395000
SHAHDOL	2012/ Rabi	Low income due to traditional varieties	Assessment	Varietal	Gram	Irrigated	1	5	Assessment of new variety of Gram (Kabuli) (JGK-2)	Pods /plant : 76 Yield(q/ha)= 10.2	Pods /plant : 80 Yield(q/ha) =11.7	16950	37250
SHAHDOL	2012/ Rabi	Low Production	Assessment	Varietal	Mustard	Semi-irrigated	1	5	Assessment of new variety of Mustard (Pusa Tarak)	Branches/ Plant : 4 Pods/ Plant : 210 Yield(q/ha)= 10.25	Branches/ Plant : 5 Pods/ Plant : 290 Yield(q/ha)= 13.75	17425	27900
SHAHDOL	2012/ Rabi	Problem appearing acute in vegetable growers field	Assessment	IPM	Cabbage	Upland		5	Assessment of Bt in management of Diamond Back Moth in Cabbage	No.of larvae /plant – 3.50 Yield(q/ha)= 280	No.of larvae /plant – 1.25 Yield(q/ha)= 345	87700	65050
SHAHDOL	2012/ Rabi	Low production due to high infestation of	Assessment	IPM	Mustard	Upland		5	Assessment of Imidacloprid 17.8 SL in	No. of aphids per plant-208	No. of aphids per plant-42	17650	7355

		aphids in mustards							management of mustard aphid	Yield(q/ha)=7.40	Yield(q/ha)=11.25		
SHAH DOL	2012/ Rabi	High drudgery during grain cleaning	Assessment	Drudgery Reduction	Wheat Gram	Paddy-Wheat	5	Assessment of hanging type grain cleaner with sack holder	Output( Kg/h)=25 Mean value pulse rate(Beats/min)=10 Mean Value of Heart Rate(Beats/min)=94 Cardiac Cost(beats/Kg)=24	Output(m <sup>2</sup> /hr)=225 Mean value pulse rate(Beats/min)=22 Mean Value of Heart Rate(Beats/min)=103 Cardiac Cost(beats/Kg)=9			
SHAH DOL	2012/ Rabi	Low income of Farm women	Assessment	Value addition	Guava		5	Assessment of income enhancement through value addition of Guava	Av. cost of production-30	Av. cost of production-45	50	100	

## 2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of new paddy variety Indira Barani Dhan -1	Under direct seeding condition this variety is found better over the local varieties of the same duration. Recommended for upland condition	
Assessment of new paddy variety Samleshvari under upland condition	Under upland condition , “Samleshwari” is found quite better over the local varieties of the same duration. Recommended for upland aerobic condition	
Assessment of new variety of Paddy “Birsa Vikas Dhan – 109” under upland condition	“Birsa Vikas Dhan – 109” is found better over local varieties of the same duration in upland condition. Non lodging variety. Recommended for direct seeding in upland condition.	
Assessment of short duration paddy hybrid JRH-17	New Hybrid JRH-17 performed better over local cultivars of the same duration	
Assessment of short duration paddy hybrid JRH-19	New paddy variety JRH-19 performed better over local cultivars of the same duration	
Assessment of SRI Paddy cultivation for targetted yield of 240 q/ha	Need for repetition of this trial incoming Kharif 2013	
Assessment of Kashi Anmol (KA-2) var. of Chilli	Variety recommended for green fresh chilli and to be use in Kharif season	
Assessment of Early maturity variety of Arhar (ICPL-2671)	Frost affected area this variety is found better over the local varieties of the same duration. Recommended for frost affected area	
Assessment of new variety of Sesamum (TKG-306)	Under upland condition ‘TKG-22’ is found better over the local varieties of the same duration. Recommended for upland condition	
Assessment of Chlorpyrifos 1.5% in management of Rice gundhi bug in paddy	Assessed technology is effective for management of rice gundhi bug and reduced the residual effect.	
Assessment of Abamectin 1.8 EC of mites management in Chilli	Spray of Abamectin 750 ml/ha is effective to controlled the mites population and get more return.	
Assessment of 4 row paddy drum seeder	Four row paddy Drum Seeder is useful for line sowing in paddy as it reduces the drudgery and increase the	

	efficiency of farm women during weeding	
Assessment of income enhancement through value addition of Mahua	Value addition of Mahua is beneficial particularly in peak collection period.	
Assessment of high yielding wheat variety GW-322	Under assured irrigation conditions GW-322 recommended	
Assessment of wheat variety HI-1418 under late sown condition	Under late sown condition HI1418 recommended	
Assesment of Kashi Sweta variety of Radish	Variety short duration	
Assessment of IVBL-9 variety of Brinjal	Good long fruits	
Assessment of new variety of Gram (Kabuli) (JGK-2)	'JGK-2' is found better in economic return over local varieties. Recommended for getting more economic returns	
Assessment of new variety of Mustard (Pusa Agrani)	New variety 'Pusa Tarak' performed better over local variety of the same duration. Recommended for early sowing	
Assessment of Bt in management of Diamond Back Moth in Cabbage	To reduced the insect population and increase the yield and reduced the residues.	
Assessment of Imidacloprid 17.8 SL in management of mustard aphid	Spray of Imidacloprid 150 ml/ha is very effective.	
Assessment of hanging type grain cleaner with sack holder	Hanging type grain cleaner with sack holder is useful for grain cleaning as it reduces the drudgery of farm women by %	
Assessment of income enhancement through value addition of Guava	Value addition of Guava is beneficial particularly in peak production period.	

## 2.2 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		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> )
SHAHDOL	Assessment of INM in Kodo variety JK-48	2438	4749	3288	7584	850	2835	1.09	1.56
SHAHDOL	Assessment of new paddy variety Indira Barani Dhan -1	15470	30620	19600	40600	4130	9980	1.11	1.48
SHAHDOL	Assessment of new paddy variety Samleshvari under upland condition	13835	28288	17500	37100	3665	8812	1.09	1.45
SHAHDOL	Assessment of new variety of Paddy "Birsa Vikas Dhan – 109" under upland condition	11315	20470	15050	27300	3735	6830	1.04	1.42
SHAHDOL	Assessment of short duration paddy hybrid JRH-17	19950	42425	25900	54600	5950	12175	1.23	1.55
SHAHDOL	Assessment of short duration paddy hybrid JRH-19	23225	42400	30100	56700	6875	14300	1.29	1.58
SHAHDOL	Assessment of SRI Paddy cultivation for targetted yield of 240 q/ha	48000	60000	105300	159300	5730	99300	2.19	2.65
SHAHDOL	Assessment of Kashi Anmol (KA-2) var. of Chilli	62250	75270	113400	171000	51150	95730	1.82	2.27
SHAHDOL	Assessment of Narendra Arbi-1 var. of Colocasia	82000	96000	165000	250000	83000	154000	2.01	2.60
SHAHDOL	Assessment of Early maturity variety of Arhar (ICPL-2671)	18225	20250	31200	45750	12975	25550	1.11	1.48
SHAHDOL	Assessment of new variety of Sesamum (TKG-22)	15275	17410	24750	33750	9475	16340	1.09	1.45
SHAHDOL	Assessment of Chlorpyriphos 1.5% in management of Rice gundhi bug in paddy	24315	26985	47400	69000	23085	42015	1.95	2.56
SHAHDOL	Assessment of Abamectin 1.8 EC of mites management in Chilli	63900	76350	140000	216000	76100	139560	2.19	2.83
SHAHDOL	Assessment of 4 row paddy drum seeder					In lehi paddy cultivation	Output(m2 /hr)=630 Cardiac		

								line sowing is not practiced	Cost(beats/m2)= 8			
SHAHDOL	Assessment of income enhancement through value addition of Mahua							Rs29/5 kg	Rs60/5 kg	1.57	1.75	
SHAHDOL	Assessment of high yielding wheat variety GW-322			28850	32000		64500	91500	35650	59500	1.75	2.3
SHAHDOL	Assessment of wheat variety HI-1418 under late sown condition			29400	34450		66000	95250	36600	60800	1.78	2.4
SHAHDOL	Assesment of Kashi Sweta variety of Radish			81250	89000		256000	325000	174750	236000	3.15	3.65
SHAHDOL	Assessment of IVBL-9 variety of Brinjal			106125	115000		390000	510000	283875	395000	3.67	4.43
SHAHDOL	Assessment of new variety of Gram (Kabuli) (JGK-2)			18750	21250		35700	58500	16950	37250	1.9	2.75
SHAHDOL	Assessment of new variety of Mustard (Pusa Tarak)			18450	20225		35875	48125	17425	27900	1.94	2.37
SHAHDOL	Assessment of Bt in management of Diamond Back Moth in Cabbage			46950	50300		112000	138000	65050	87700	2.38	2.74
SHAHDOL	Assessment of Imidacloprid 17.8 SL in management of mustard aphid			16325	18350		23680	36000	7355	17650	1.45	1.96
SHAHDOL	Assessment of hanging type grain cleaner with sack holder									Saving in cardiac cost-63 Drudgery Reduction-54 Increase in Efficiency-88		
SHAHDOL	Assessment of income enhancement through value addition of Guava								Rs20/5 kg	Rs55/5 kg	1.67	2.22

### 2.3 Feed back from KVK to Research System

Name of KVK	Feedback
Shahdol	<ol style="list-style-type: none"> <li>1. Assessment of short duration paddy hybrid JRH-17 - INM for short duration hybrids will be worked out.</li> <li>2. Assessment of short duration paddy hybrid JRH-19 - INM for short duration hybrids will be worked out.</li> <li>3. Assessment of SRI Paddy cultivation for targetted yield of 240 q/ha - Nutrient Requirement and their application schedule will be worked out for target yield</li> <li>4. Assessment of hanging type grain cleaner with sack holder – a more handy, light weight , small size grain cleaner required by the farm women.</li> </ol>

### 3. Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years (upto 2011-12)

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
SHAHDOL	Paddy	Integrated Crop Management	Cultivation of medium duration variety (115-120 days) paddy	Demonstrations, Trainings, Field Visits, Extension Literature	8	17	16
SHAHDOL	Paddy	Integrated Crop Management	SRI with 30 x 30 cm spacing	Demonstrations, Trainings, Field Visits, Extension Literature	45	230	95
SHAHDOL	Soybean	Varietal Evaluation	Improved variety & Nutrient Management	Demonstrations, Trainings, Field Visits, Extension Literature	3	40	12
SHAHDOL	Blackgram	Integrated Crop Management	Improved variety & nutrient management	Demonstrations, Trainings, Field Visits, Extension Literature	3	40	12
SHAHDOL	Wheat	Varietal Evaluation	JW-1202	Demonstrations, Trainings, Field Visits, Extension Literature	8	17	16
SHAHDOL	Wheat	Varietal Evaluation	JW-1203	Demonstrations, Trainings, Field Visits, Extension Literature	8	17	16
SHAHDOL	Mustard	Varietal Evaluation	Improved variety & nutrient management	Demonstrations, Trainings, Field Visits, Extension Literature	3	40	12
SHAHDOL	Gram	Varietal Evaluation	Improved variety & nutrient management	Demonstrations, Trainings, Field Visits, Extension Literature	3	40	12

#### 3.2 Details of FLDs to be implemented during 2012-13

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprices	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
SHAHDOL	Weed Management	Paddy (SRI)	2012/ Kharif	Use of pre emergence weedicide in SRI Paddy	2	Pre emergence weedicide Ben sulfuron methyl 0.6 % + Pretilachlor 6 % in granular formulation	51	23	121		4	1		5
SHAHDOL	ICM	Paddy	2012/ Kharif	Short duration high yielding paddy variety - Danteshwari	2	Danteshwari	34	21	62		3			3

SHAHDOL	ICM	Oilseeds - Soybean	2012/ Kharif	Varietal, Seed Treatment, Line Sowing, Recommended dose of fertilizers	5	JS-335	20.40	15.25	33.77					12
SHAHDOL	ICM	Pulses- Black Gram	2012/ Kharif	Varietal, Seed Treatment, Recommended dose of fertilizers	5	PU-94-2/ PU-35	10.80	6.40	68.75					12
SHAHDOL	INM	Cucurbits	2012/ Kharif	Growth regulators in cucurbits	0.5	Cucurbits	392	275						5
SHAHDOL	ICM	Tomato	2012/ Kharif	Nursery Management in tomato	0.5	Tomato								5
SHAHDOL	Drudgery Reduction	Soybean	2012/ Kharif	Twin Wheel hoe	-	Soybean	Output m <sup>2</sup> /hr- 150 Pulse Rate (beats/min)- 126 Cardiac cost beats/m <sup>2</sup> -17	Output m <sup>2</sup> /hr- 45 Pulse Rate (beats/min)- 101 Cardiac cost beats/m <sup>2</sup> -29	Saving in cardiac cost-41%					5
SHAHDOL	Value Addition	Soybean	2012/ Kharif	Value addition of Soybean	-	Soybean	(For 2 Kg Pack ) Cost of Input – Rs 28 Net Return - Rs40	(For 2 Kg Pack ) Cost of Input - Rs 20 Net Return - Rs 24						5
SHAHDOL	ICM	Wheat	2012/ Rabi	Semi irrigated wheat variety JW-3288	2	JW-3288	38	24	58		3		2	5
SHAHDOL	ICM	Wheat	2012/ Rabi	Semi irrigated wheat variety JW-3269	2	JW-3269	37	26	42			5		5
SHAHDOL	ICM	Wheat	2012/ Rabi	Semi irrigated wheat variety JW-1201	2	JW-1201	45	32	40			5		5
SHAHDOL	INM	Wheat	2012/ Rabi	Use of multi advantageous bio fertilizer Mycorrhizza in Sharbati type Wheat - Sujata	2	Multiadvantageous bio fertilizer Mycorrhiza	30	22.5	33		3	1	1	5
SHAHDOL	ICM	Oilseeds- Linseed	2012/ Rabi	Varietal, Seed Treatment, Line Sowing Recommended dose of fertilizers	5	Sheela	10.35	6.80	52.2					12
SHAHDOL	ICM	Pulses- Gram	2012/ Rabi	Varietal, Seed Treatment, Recommended dose of fertilizers	5	JG-16	16.60	10.75	54.41					12
SHAHDOL	Varietal Evaluation	Garlic	2012/ Rabi	Garlic variety (G-282)	0.5	Garlic	165	110						5
SHAHDOL	Varietal Evaluation	Marigold	2012/ Rabi	Marigold variety Pusa Narangi	0.5	Marigold	15 tons fresh flower/ha							5

SHAHDOL	IPM	Chickpea	2012/ Rabi	Indoxacarb 14.5 SC first spray at flowering stage and second spray after 15 days	5	Pod borer in chickpea	16.40	10.90	33.54					5
SHAHDOL	IDM	Tomato	2012/ Rabi	Imidachloprid 17.8 SL , Seed Treatment 2.5 /kg seed + 0.5 ml per l for root treatment and spray after 30 days after planting	5	leaf-curl disease in tomato	450	337	25.11					5
SHAHDOL	Drudgery Reduction	Brinjal	2012/ Rabi	Peg Type dryland weeder	-	Brinjal	Output m <sup>2</sup> /hr-151 Pulse Rate (beats/min)-128 Work pulse (beats/min)-40 Cardiac cost beats/m <sup>2</sup> -16	Output m <sup>2</sup> /hr-44 Pulse Rate (beats/min)-103 Work pulse (beats/min)-19 Cardiac cost beats/m <sup>2</sup> -26	Saving in cardiac cost-39%					5
SHAHDOL	Value Addition	Aonla	2012/ Rabi	Value addition of Aonla	-	Aonla	(For 5 Kg) Cost of Input Rs 45 Net Return Rs 100	(For 5 Kg) Cost of Input Rs 25 Net Return Rs 40	Net Return = 20.5%					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
SHAHDOL	Paddy (SRI)	Use of pre emergence weedicide in SRI Paddy	Weed density/m <sup>2</sup> at 45 DAT	0	247	36975	20400	71400	32200	34425	11800	1.93	1.59
SHAHDOL	Paddy	Short duration high yielding paddy variety - Danteshwari	Panicle/m <sup>2</sup> Grains /panicle	93 59	72 53	29000	19250	47600	29400	18600	10150	1.67	1.55
SHAHDOL	Oilseeds - Soybean	Varietal, Seed Treatment, Line Sowing, Recommended dose of fertilizers				24099	22262	57120	42700	33021	20438	2.37	1.91
SHAHDOL	Pulses- Black Gram	Varietal, Seed Treatment, Recommended dose of fertilizers				16133	15350	37800	22400	21667	7050	2.34	1.45
SHAHDOL	Cucurbits	Growth regulators in cucurbits	No. of fruits/plant Yield/Plant	10 85	7 2	132000	115000	474000	330000	338400	215000	3.56	2.87

SHAHDOL	Tomato	Nursery Management in tomato	Mortality %	7	22	4400	3600	15400	8900	11000	5300	3.5	2.47
SHAHDOL	Soybean	Twin Wheel hoe								Saving in cardiac cost-41%			
SHAHDOL	Soybean	Value addition of Soybean								Rs 40/ 2 Kg	Rs 24/ 2 Kg	1.42	1.2
SHAHDOL	Wheat	Semi irrigated wheat variety JW-3288	Spike/m2	342	318	26500	19200	57000	36000	30500	16800	1.95	1.42
SHAHDOL	Wheat	Semi irrigated wheat variety JW-3269	Spike/m2	345	323	25525	20200	55500	39000	29775	18800	1.92	1.45
SHAHDOL	Wheat	Semi irrigated wheat variety JW-1201	Spike/m2	347	333	29800	21600	67500	48000	37700	26400	2.18	1.72
SHAHDOL	Wheat	Use of multi advantageous bio fertilizer Mycorrhizza in Sharbati type Wheat - Sujata	Spike/m2	335	308	22500	19875	45000	33750	22500	13875	1.68	1.35
SHAHDOL	Oilseeds-Linseed	Varietal, Seed Treatment, Line Sowing Recommended dose of fertilizers				13239	11850	31050	20400	17811	8550	2.32	1.72
SHAHDOL	Pulses-Gram	Varietal, Seed Treatment, Recommended dose of fertilizers				21239	19880	58100	37625	36861	17775	2.73	1.89
SHAHDOL	Garlic	Garlic variety (G-282)	Bulb size clove/bulb	5.6 15-19	5.1 10-12	165000	132000	990000	660000	825000	528000	6	5
5SHAHDOL	Marigold	Marigold variety Pusa Narangi	Flower/branch Wt. of flower	30 4.4		104000	-	545000	-	441000		5.24	
SHAHDOL	Chickpea	Indoxacarb14.5 SC first spray at flowering stage and second spray after 15 days	Pod Damage(%)	4.75	32.50	17110	14995	62320	41420	45210	26425	3.64	2.76
SHAHDOL	Tomato	Imidachloprid 17.8 SL , Seed Treatment 2.5 /kg seed + 0.5 ml per l for root treatment and spray after 30 days after planting	Disease Intensity(%)	6.25	24.55	74225	70115	299000	219050	224775	148935	4.03	3.12
SHAHDOL	Brinjal	Peg Type dryland weeder								Saving in cardiac cost-39%			
SHAHDOL	Aonla	Value addition of Aonla								Rs 100/5 Kg	Rs 40/ 5 Kg	2.2	1.6



### 3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
SHAHDOL	Soybean	Field days	1	40	
		Farmers Training	1	16	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	BlackGram	Field days	1	40	
		Farmers Training	2	57	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Linseed	Field days	1	225	
		Farmers Training			
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Gram	Field days	1	225	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Lentil	Field days	1	225	
		Farmers Training	1	35	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Value addition of Aonla	Field days			
		Farmers Training	1	15	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	IPM of chickpea	Field days	1	30	
		Farmers Training	1	21	
		Media coverage			
		Training for extension functionaries	1	30	
SHAHDOL	IDM of tomato	Field days	1	25	
		Farmers Training	1	21	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Cucurbits	Field days			
		Farmers Training	1	15	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Tomato	Field days			

		Farmers Training	1	20	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Garlic	Field days			
		Farmers Training			
		Media coverage			
		Training for extension functionaries			
		Farmers Training			
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Wheat JW-3288, JW-3269, JW-3201	Field days	2	80	
		Farmers Training	2	43	
		Media coverage			
		Training for extension functionaries			
SHAHDOL	Wheat Sujata with Mycorrhiza application	Field days			
		Farmers Training	1	30	
		Media coverage			
		Training for extension functionaries			

### 3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
	SHAHDOL		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
SHAHDOL	Demonstration of improved variety of Soybean JS-335		Farmers are happy to see uniform growth of the crop.	
SHAHDOL	Demonstration of Paddy variety "Danteshvari" in uplands	Interaction with farmers	Under upland conditions variety Danteshvari is superior over local which is also free from insect and disease incidence.	
SHAHDOL	Demonstration on use of PE weedicide in SRI paddy cultivation	Interaction with farmers	<ul style="list-style-type: none"> <li>- Use of weedicide is quite easy</li> <li>- Control all weeds effectively</li> <li>- Provide weed free condition upto</li> </ul>	
SHAHDOL	<b>Demonstration of Twin Wheel Hoe for Drudgery Reduction of FW during weeding in Soybean</b>		Twin Wheel hoe can be use with ease by the FW.	

SHAHDOL	<b>Demonstration on use of multi advantageous biofertilizer Mycorrhiza in Sharbati type Wheat - Sujata</b>	Interaction with farmers	<b>Farmers realized the advantages of different biofertilizers in terms of better plant growth , deeper and large volume of roots , no lodging with good quality grain</b>	
SHAHDOL	Demonstration on Semi irrigated Wheat variety JW- 3288	Interaction with farmers	Farmers realized the variety JW- 3288 is suitable under limited irrigation condition . Soil application of Biofertilizers is advantageous over seed treatment	
SHAHDOL	Demonstration on Semi irrigated Wheat variety JW- 3269	Interaction with farmers	Farmers realized the variety JW- 3269 is suitable under limited irrigation condition . Soil application of Biofertilizers is advantageous over seed treatment	
SHAHDOL	Demonstration on Wheat variety JW- 1201 under late sown condition	Interaction with farmers	Farmers realized that new variety JW- 1201 is suitable for late sowing and free from stem borer and loose smut	
SHAHDOL	Demonstration on Pod borer control in Chickpea		Timely and appropriate spray of insecticide controlled the insect infestation.	
SHAHDOL	Demonstration on leaf-curl disease control in tomato		Timely and appropriate seed, root treatment and spray of insecticide controlled the insect infestation.	
SHAHDOL	Demonstration on Peg Type dry land weeder for Drudgery Reduction of FW during weeding in vegetables		Peg Type Dry Land weeder can be use with ease by the FW.	
SHAHDOL	Demonstration of improved variety of Linseed –Sheela		No infestation of insect-pest & Farmers appreciated the bold seeded variety.	
SHAHDOL	Demonstration of improved variety of Gram- JG-16		Uniform germination, more branches & more pods than the local variety. Farmers appreciated the variety.	

#### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback based on FLD Technology Tested
SHAHDOL	NIL

## Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
<b>Thematic Areas for Training</b>	
CP	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
RY	Rural Youth
IS	Extension Personnel

## 5. TRAINING PROGRAMMES

**Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme**

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
SHAHDOL	FW	PRA Tools, Group Discussion and Meeting	21/05/12 – Sinduri Bharri	33
SHAHDOL	RY	PRA Tools, Group Discussion and Meeting	15/08/12 – Sinduri Bharri	48

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

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14		
SHAHDOL	FW	OFC	CBD	Training on creating awareness on safe storage (Dadratola)	1	1	30					10	8		
SHAHDOL	FW	OFC	CBP	Farmers training on leadership Development	1	1	15					12	6		
SHAHDOL	FW	OFC	CRP	Training on Dhan ki Phasalon ki unnat Kheti and Nashijeev Prabandhan (Bandikala)	1	1	20			1		1		16	10
SHAHDOL	FW	OFC	CRP	Chemical weed control in wheat	1	1	15					20	10		
SHAHDOL	FW	OFC	CRP	Create awareness on safe storage in Rabi pulse crops	1	1	15					13	7		
SHAHDOL	FW	OFC	CRP	Criterion of selection of wheat variety	1	1	15					16	10		
SHAHDOL	FW	OFC	CRP	INM for wheat cultivation crop (Dadratola)	1	1	15					12	10	14	10
SHAHDOL	FW	OFC	CRP	Insect and pest management practices in Maize under ISOPAM (Sinduri)	1	1	15			5		10	5	20	6
SHAHDOL	FW	OFC	CRP	Low Cost Tech. (Katauli)	1	1	15					7	6	4	2
SHAHDOL	FW	OFC	CRP	Method of sowing and seed treatment of Rabi pulse crops(Jugari)	1	1	15					23		1	1
SHAHDOL	FW	OFC	CRP	Post emergence weedicides in SRI ( Sinduri Bharri)	1	1	15			5		18	5	10	10
SHAHDOL	FW	OFC	CRP	Safe Storage of Kharif pulse crops (Dadratola)	1	1	30					18	5	1	1
SHAHDOL	FW	OFC	CRP	Safe Storage of Kharif pulse crops (Kathothiya)	1	1	15							17	3
SHAHDOL	FW	OFC	CRP	Seed Treatment and method of sowing of Maize under FLD –Maize-Isopam(Lalpur)	1	1	15			5		5		20	6
SHAHDOL	FW	OFC	CRP	Under TSP Agro forestry (Khatauli )	1	1	15					35	15	3	2
SHAHDOL	FW	OFC	CRP	Under TSP Agro forestry (Khatauli )	1	1	15					35	15	3	2
SHAHDOL	FW	OFC	CRP	Under TSP Agro forestry (Sinduri)	1	1	15					27	23		
SHAHDOL	FW	OFC	CRP	Under TSP Agro forestry (Sinduri)	1	1	15					27	23		
SHAHDOL	FW	OFC	CRP	Weed management in Maize under ISOPAM( Kathothiya)	1	1	15					25	5	5	5
SHAHDOL	FW	OFC	CRP	Weed management in Rabi pulse (Dadratola)	1	1	15			2		11	8	2	2
SHAHDOL	FW	OFC	CRP	Wheat Sujata cultivation with Mycorrhiza application (Katkona) District – Annuppur	1	1	15					7	5	10	8
SHAHDOL	FW	OFC	HOF	Training on cultivation of fruits crops (Sinduri bharri )	1	1	30	20	4	5	4				
SHAHDOL	FW	OFC	HOV	Nursery raising of vegetable crops (Khatauli)	1	1	15						8	7	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants								
								General		SC		ST		Others		
								M	F	M	F	M	F	M	F	
1	2	3	4	5	7	8		9	10	11	12	13	14			
SHAH DOL	FW	OFC	PLP	Aphid management in Mustard	1	1	15			1		1	1	15	4	
SHAH DOL	FW	OFC	PLP	Disease management in chickpea (Sinduri)	1	1	20			2		1	1	13	4	
SHAH DOL	FW	OFC	PLP	Disease management in mustard crop at Sinduri village	1	1	15					1	1	14	10	
SHAH DOL	FW	OFC	PLP	Disease management in Paddy ( Sinduri)	1	1	20			2	2	6	3	6	1	
SHAH DOL	FW	OFC	PLP	IDM in tomato under FLD	1	1	15					2	1	16	3	
SHAH DOL	FW	OFC	PLP	Insect and pest management practices in Black gram & green gram under TSP Programme (Dadratola)	1	1	15						30	14	10	4
SHAH DOL	FW	OFC	PLP	IPM in cabbage crop (Dadratola)	1	1	15						13	4		
SHAH DOL	FW	OFC	PLP	Leaf curl Management of Chilli crops (Sinduri)	1	1	15					5	5	7	7	
SHAH DOL	FW	OFC	PLP	Management of pest in storage (Sinduri)	1	1	30			2		5		13	5	
SHAH DOL	FW	OFC	PLP	Pest and disease management in Kharif nursery (Rajendragram ,D- Annuppur)	1	1	30	7	4			2	3			
SHAH DOL	FW	OFC	PLP	Pest and disease management in nursery tomato(Sinduri)	1	1	30					18	6	5	5	
SHAH DOL	FW	OFC	PLP	Pest management in Chilly (Sinduri)	1	1	15						5	8	6	
SHAH DOL	FW	OFC	PLP	Pest management in nursery of cabbage (Sinduri)	1	1	15							15	5	
SHAH DOL	FW	OFC	PLP	Rice Gundhi bug management (Sinduri)	1	1	15							13	10	
SHAH DOL	FW	OFC	PLP	Training on IPM in kharif crops (Sinduri)	1	1	30							15	5	
SHAH DOL	FW	OFC	PLP	Training on Pest and disease management in Kharif crops (Sinduri)	1	1	30			4		12		6	5	
SHAH DOL	FW	OFC	SFM	Importance of good soil health in crop production (Sinduri)	1	1	30			1		2		14	3	
SHAH DOL	FW	OFC	SFM	Role of Bio fertilizer in crop production (Dadratola)	1	1	30					10	10			
SHAH DOL	FW	OFC	SFM	Training on collection of soil Samples for testing (Dadratola)	1	1	30					12	8			
SHAH DOL	FW	OFC	WOE	Designing and development of Low minimum cost diet	1	1	15						7		17	
SHAH DOL	FW	OFC	WOE	Drudgery reduction through paddy seeding ( Sinduri)	1	1	30								14	
SHAH DOL	FW	OFC	WOE	Role and importance of Balance Diet	1	1	15						7		10	
SHAH DOL	FW	OFC	WOE	Training on Drudgery reduction during grain cleaning (Sinduri)	1	1	20				5		10			
SHAH DOL	FW	OFC	WOE	Value addition of Mahua(Sinduri)	1	1	15				2		10	8		
SHAH DOL	FW	OFC	WOE	Women and child care (Sinduri)	1	1	20								15	
SHAH DOL	IS	OFC	CRP	ISOPAM – Oilseeds (Sohagpur)	1	1	15					11	3	16		
SHAH DOL	IS	OFC	PLP	IPM in Chickpea (Sohagpur)	1	1	15					12	3	15		
SHAH DOL	RY	OFC	CRP	training on organic farming (Skill Dev)	1	1	15					15	3			
SHAH DOL	RY	OFC	CRP	Method of sowing of Kharif oilseeds & pulse crops (Kotma, D- Annuppur)Skill Dev	1	1	20	6	5	5	2	3	5			
SHAH DOL	RY	OFC	CRP	Seed production Techniques for late sown wheat (Anjani) District – Annuppur Skill dev	1	1	15								22	
SHAH DOL	RY	OFC	CRP	Weed management practices in Black gram & green gram under TSP Programme	1	1	15						20	15		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14		
				(Dadratola) (Skill development)											
SHAH DOL	RY	OFC	PLP	Pest management in tomato (Sinduri)(Skill Dev)	1	1	15					3	1	14	3
SHAH DOL	RY	OFC	WOE	Training on precaution to be taken during processing and handling of foods (Skill development)	1	1	15					32	32	16	5
SHAH DOL	RY	OFC	WOE	Value addition of Soybean (Dadratola)Skill dev	1	1	15					6	9		
SHAH DOL	RY	OFC	CRP	Training on weed management practices in Soybean (Dadratola ) (Skill Dev)	1	1	20			2	1	5	1	16	8
SHAH DOL	RY	OFC	HOF	Training on Layout and management of orchards (Lalpur) (Skill Dev)	1	1	20					17		7	
SHAH DOL	FW	ONC	CRP	Atma Sponsored Krishak Prashikshan- Samoh prakshan Block- Kotma , District – Annuppur	1	1	15					6	3	11	5
SHAH DOL	FW	ONC	CRP	Irrigation scheduling for wheat	1	1	15					10	5	3	2
SHAH DOL	FW	ONC	CRP	Need based knowledge – Insect Pest management in Gram under TSP	1	1	15					20	10		
SHAH DOL	FW	ONC	CRP	Seed Treatment & method of sowing of Black Gram under FLD –Blackgram -TSP	1	1	15					20	16	3	1
SHAH DOL	FW	ONC	CRP	Seed Treatment and method of sowing of Green Gram under FLD –Maize-Isopam	1	1	15					18	10	11	6
SHAH DOL	FW	ONC	CRP	Seed Treatment and method of sowing of Maize under FLD –Maize-Isopam	1	1	15					17	9	12	10
SHAH DOL	FW	ONC	CRP	Seed Treatment and method of sowing of Soybean under FLD –Maize-Isopam	1	1	15					6		10	
SHAH DOL	FW	ONC	CRP	Soybean production technology	1	1	15							16	
SHAH DOL	FW	ONC	CRP	TSP – Production Technology of of kharif crops	1	1	15					24	6		
SHAH DOL	FW	ONC	PLP	Disease and Pest management in Kharif crops	1	1	15					11		8	
SHAH DOL	FW	ONC	SFM	Importance of vermicompost production technology	1	1	15					3		15	
SHAH DOL	FW	ONC	WOE	Drudgery reduction during weeding in vegetables	1	1	15						25		
SHAH DOL	IS	ONC	CRP	Criterion of selection of varieties	1	1	15							13	
SHAH DOL	IS	ONC	CRP	Cultivation practice of small millets	1	1	15							31	
SHAH DOL	IS	ONC	CRP	Training on weed management	1	1	15							22	7
SHAH DOL	IS	ONC	PLP	Leaf curl management in Tomato	1	1	15						1	44	19
SHAH DOL	IS	ONC	SFM	Training Prog. Of Organic farming	1	1	15						3	36	
SHAH DOL	RY	ONC	CRP	Production technology of Trichoderma Skill Dev	1	1	15							17	
SHAH DOL	RY	ONC	SFM	Management of Organic Wastes (RY)	1	1	15					2	1	12	
SHAH DOL	RY	ONC	SFM	Vermicompost production Technology (RY)	1	1	15					4	1	5	2
SHAH DOL	RY	ONC	SFM	Vocational training on management of organic wastes (RY)	1	1	15							15	

**Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs**

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
SHAHDOL	Training on stitching (Skill Dev)		Low income	15				14		01
SHAHDOL	Vocational training on Preservation of fruits and vegetables Skill dev		Low income	5				09		06
SHAHDOL	VTP Seed Production training Skill dev		Low income	180 hrs				07		19

**Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs**

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

**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.)
							Others		SC		ST			
							M	F	M	F	M	F		
SHAHDOL	Farmers training – NRLM Annuppur	CRP		FW	1	1	5	3	2	2	7	4	Agriculture Department	
SHAHDOL	Farm women Training – NRLM Annuppur	CRP		FW	1	1		5				13	Agriculture Department	
SHAHDOL	Farmers training – MPRLP	CRP		FW	1	1	15				15		Agriculture Department	
SHAHDOL	Farmer and Scientist Interface organised Atma Annuppur	CRP		FW	1	1	66	34	50	20	58	22	Agriculture Department	
SHAHDOL	Mango old orchard rejuvenation at Village – Dulhara Atma Annuppur	HOF		FW	2	1	9	6			12	8	Agriculture Department	
SHAHDOL	Badi project monitoring and training Village- Tagawar, Block-Jaisinghnagar	HOF		FW	1	1	2	3			13	7	Agriculture Department	
SHAHDOL	Training on vegetable production	HOV		FW	1	1	5	5			10	5	Agriculture Department	
SHAHDOL	Seed Production technology VTP(Skill Dev)	CRP		FW	1	1	21		2		6		Agriculture Department	
SHAHDOL	Training on crop production technique of Rabi crops/ summer crops V- Bairag Block- Burhar	CRP		FW	1	1	5				20			
SHAHDOL	Training on seed production technique of Rabi crops/ summer crops V- Katkona, Block- Kotma (Annuppur)	CRP		FW	1	1	10	4	2		16		Agriculture Department	
SHAHDOL	Training on Integrated farming system V- Amjhor, Block Jaisinghnagar	CRP		FW	1	1	6	2	2		18		Agriculture Department	
SHAHDOL	Training Of Kisan Mitra and Kisan Didi , Block Sohagpur	CRP		FW	1	1	9	6	8	7	20	20	Agriculture Department	
SHAHDOL	Vegetable cultivation in summer season V- Lalpur	HOV		FW	1	1	15		2		13		Agriculture Department	



SHAHDOL	Nutricereals under RKVY Distt- Shahdol	CRP		FW	5	1	4	3			17	6	Agriculture Department
SHAHDOL	Kisan Mitra and Kisan Didi Training	CRP		FW	1	1	64	46	20	15	60	20	Agriculture Department
SHAHDOL	Training on Goshala prabandhan Block Sohagpur	LPM		FW	1	1	4	2			18	6	Agriculture Department
SHAHDOL	Nutricereals under RKVY Distt- Annuppur ( 1st group)	CRP		FW	3	1					50		Agriculture Department
SHAHDOL	Nutricereals under RKVY Distt- Annuppur ( 2nd group)	CRP		FW	3	1					50		Agriculture Department
SHAHDOL	Farmers training under RKVY Block- Pali , Distt. – Umariya	CRP		FW	1	1					50		Agriculture Department
SHAHDOL	Training Prog. Of Organic farming staff under RKVY	SFM		INS	3	1	27	3					Agriculture Department
SHAHDOL	Training Prog. Of Organic farming staff by Agricultural DepartmentShahdol	SFM		INS	3	1	27	3					Agriculture Department
SHAHDOL	Training Prog. Of Organic farming staff by Agricultural Department Shahdol	WOE		INS	3	1	36	3					Agriculture Department
SHAHDOL	Training cum workshop on Malnutrition – Mahila Bal Vikas	WOE		INS	1	1						66	Agriculture Department
SHAHDOL	Training under MAPWA Programme– DDA Annuppur	CRP		INS	1	1					15	30	Agriculture Department
SHAHDOL	Training – DDA Shahdol	CRP		INS	1	1					40	30	Agriculture Department
SHAHDOL	Training cum workshop on Kodo Kutki nutricereals	CRP		INS	5	1					27	3	Agriculture Department
SHAHDOL	Divisional level Training cum workshop under Coarse Millets Yojana	CRP		INS							85	65	Agriculture Department
SHAHDOL	Krishak sangosthi organised by M.B. Power , Annuppur Jaithari	CRP		INS	1	1					95	55	Agriculture Department
SHAHDOL	Rabi Pratyasamaran & nutritional utsav organized by Agricultural department at Manas Bhawan	CRP		INS	1	1					60		Agriculture Department
SHAHDOL	Seminar on stress management and health	CBD		INS	1	1					13		Agriculture Department
SHAHDOL	Vegatable production B- Sohagpur	HOV		INS	1	1					30		Agriculture Department

**Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

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

**Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)**

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After			
SHAHDOL	Training on weed management in wheat	20	42	70	24	32	SHAHDOL	Training on weed management in wheat	20
SHAHDOL	Training on Soybean production technology under FLD oilseeds	15	47	82	15.5	22.5	SHAHDOL	Training on Soybean production technology under FLD oilseeds	15
SHAHDOL	Training on YVM disease management in Black gram	18	38	69	4	6.5	SHAHDOL	Training on YVM disease management in Black gram	18
SHAHDOL	Training on use of low cost technology in Gram	14	40	73	10.5	14	SHAHDOL	Training on use of low cost technology in Gram	14

## EXTENSION ACTIVITIES 2012-13

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			
SHAHDOL	Field Day	8	9	184	40	160	108					
SHAHDOL	Kisan Mela	1	3	3000	500	3000	500					
SHAHDOL	Kisan Ghosthi	6	9			177	100					
SHAHDOL	Exhibition	4	4	20	12	36	8					
SHAHDOL	Film Show	10	10	80	11	66	14					
SHAHDOL	Method Demonstrations	36	36	40	10	30	10					
SHAHDOL	Farmers Seminar	3	3			112	134					
SHAHDOL	Workshop	-	3	50	100	60	36					
SHAHDOL	Group meetings	5	8	101	21	41	10					
SHAHDOL	Lectures delivered as resource persons	18	31									
SHAHDOL	Newspaper coverage	45	50									
SHAHDOL	Radio talks	10	9									
SHAHDOL	TV talks	02	1									
SHAHDOL	Popular Articles	12	31									
SHAHDOL	Extension Literature	10	11									
SHAHDOL	Farm Advisory Services	2	10	12	2	45	35					
SHAHDOL	Scientific visit to farmers field	80	140									
SHAHDOL	Farmers Visit to KVK	40	150	80	13	60	41					
SHAHDOL	Diagnostic Visits	12	20	15	2	12	4					
SHAHDOL	Exposure Visits	2	10	40	15	35	6					
SHAHDOL	Ex-trainees Sammelan	2	2	22	10	20	11					
SHAHDOL	Soil Health Camp											
SHAHDOL	Animal Health Camp											
SHAHDOL	Agri Mobile Clinic											
SHAHDOL	Soil Test Campaigns											
SHAHDOL	Farm Science Club conveners meet											
SHAHDOL	Self Help Group conveners meetings	1	1				65		3			
SHAHDOL	Special Days	2	2	20	7	37	30					

## 7. Production and supply of Technological products

### 7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
SHAHDOL	Cereals							
SHAHDOL	Pulses							
SHAHDOL	Fruits							

### 7.2 Planting Material production

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

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
SHAHDOL	BIOAGENTS				
SHAHDOL	BIOFERTILIZERS	84000 pkts	1901000	475250	Supplying to Shahdol and Anuppur
SHAHDOL	BIO PESTICIDES				

### 7.4 Livestock and fisheries production

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

## 8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established Non working

Year of establishment : 2012

**8.1 Details of soil & water samples analyzed so far :**

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
SHAHDOL	Soil Sample					
SHAHDOL	Water Sample					

**9. Rainwater Harvesting, if available.**

**Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit**

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
SHAHDOL										

**10. Kisan Mobile Advisory (KVK-KMA)**

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
SHAHDOL	104	800	200	

**11. Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
SHAHDOL	30.06.12	38	
SHAHDOL	11.10.12	41	

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

**12.1 KVK Newsletters**

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
SHAHDOL	Oct 08	Quarterly	2000	2000

**12.2 Details of Electronic Media Produced**

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

### 12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
			Title	Author's name	Number of copies
Research Paper/Abstract	23				
Technical bulletins	1				
Technical reports	18				500 each
Popular article	31				
News paper coverage	54				
Year Planner	1				
Others (pl. specify)					
Folder	10				500 each

KVK Name	Type	Number	Date of start	Periodicity	Title	Author's name	Number of copies
SHAHDOL	Research papers	08			"Effect of Edible Coating on Quality Attributes of Guava Variety (L-49 and Allahabad Safeda) During Initial Stage of Storage"	Amrita Verma, Pratibha Parihar and Alpana Sharma	
SHAHDOL					Preferences of thrips (Megaleurothrips usitatus) to different stage of flower in pigeonpea. Insect Environ. 18(1&2):04-05.	Kumar Akhilesh (2012).	
SHAHDOL					Temporal population distribution of fruit fly, Bactrocera cucurbitae infesting bottle gourd and bitter gourd in Varanasi. Ann. Entomol. 30(1):73-79.	Nath Paras, Kumar Akhilesh and Pandey A. K. (2012).	
SHAHDOL					Reactions of different bitter gourd genotypes against infestation of fruit fly (Bactrocera cucurbitae Coquillett.). Prog.Hort. 44(2): 304 -306.	Panday A.K., Nath Paras, Kumar Akhilesh and Rai A. B. (2012).	
SHAHDOL					Influence of intercropping and ecofriendly biopesticides on population dynamics of in pigeon pea pod borer complex. New Agril.23 (1):1-4.	Singh R. S., Nath Paras and Kumar Akhilesh (2012).	
SHAHDOL					On field efficacy of Fluopyram200-Tebuconazole200-400SC against powdery mildew of Chilli. Ann. Pl. Protec. Sci. 20(2: 511-513.	Saha S., Sharma B. K., Kumar Akhilesh and Rai A. B. (2012).	
SHAHDOL					Effect of foliar spray of boron on biology, egg laying activity and control of brinjal shoot and fruit borer, Leucinodes orbonalis Guen. Indian J. Hort. 69(2): 295-298.	Satpathy S., Kumar Akhilesh, Shivalingaswamy T.M. and Rai A.B. (2012).	
SHAHDOL					Influence of intercropping on larval population and pod damage by pod fly and its parasitization by eulophid parasitoids (Euderus	Singh R. S., Nath Paras and Kumar Akhilesh (2012).	

					lividus Ashm.) in pigeon pea. <i>Bhartiya Krishi Anusandhan Patrika</i> . 27(1): 23-29.		
SHAH DOL	Abstracts	15			Assessment of imidacloprid 17.8% SL against tomato leaf curl virus. 10th National Symposium on Biotechnological Approaches for Plant Protection: Constraints & Opportunities held on January 27-29, 2013 at ICAR Reasearch Complex for Goa, Goa. pp. 82.	Kumar Akhilesh, Sharma Alpana and Singh M. (2013).	
SHAH DOL					Study of the qualitative composition of fruit fly infesting cucurbit crops at farmers' fields. 10th National Symposium on Biotechnological Approaches for Plant Protection: Constraints & Opportunities held on January 27-29, 2013 at ICAR Reasearch Complex for Goa, Goa. pp. 70-71.	Nath P., Kumar A., Kumar Akhilesh and Panday A. K. (2013).	
SHAH DOL					Effect of date of transplanting on the infestation of brinjal shoot and fruit borer ( <i>Leucinodes orbonalis</i> Guen.). 10 <sup>th</sup> National Symposium on Biotechnological Approaches for Plant Protection: Constraints & Opportunities held on January 27-29, 2013 at ICAR Reasearch Complex for Goa, Goa. pp. 69-70.	Singh S. P., Nath Paras, Kumar Akhilesh, Singh R. S. and Singh M. (2013).	
SHAH DOL					Pest abundance and diversity in cowpea [ <i>Vigna unguiculata</i> (L.) Walp.]. 10 <sup>th</sup> National Symposium on Biotechnological Approaches for Plant Protection: Constraints & Opportunities held on January 27-29, 2013 at ICAR Reasearch Complex for Goa, Goa. pp. 68-69.	Kumar Arvind, Kumar Akhilesh, Singh Shiv Mangal and Singh M. (2013).	
SHAH DOL					Bio-efficacy of some chemical and biological insecticides on infestation of <i>Antigastra catalaunalis</i> (Dup.). 15th Indian Agricultural Scientist and Farmers Congress held on February 22-24, 2013 at BRIAT, Allahabad. pp. 25.	Gangwar D. S., Katiyar R. R., Singh R. S. and Kumar Akhilesh (2013).	
SHAH DOL					Field reaction of sesamum germplasm against leaf webber and pod borer <i>Antigastra catalaunalis</i> (Dup.). 15th Indian Agricultural Scientist and Farmers Congress held on February 22-24, 2013 at BRIAT, Allahabad. pp. 24. .	Gangwar D. S., Katiyar R. R., Kumar Akhilesh, Singh R. S., Singh M. and Singh O. (2013).	
SHAH DOL					Population dynamics and infestation of insect pests of sesamum and their correlation with environmental factors. 15th Indian Agricultural Scientist and Farmers Congress held on February 22-24, 2013 at BRIAT, Allahabad. pp. 24.	Gangwar D. S., Katiyar R. R., Kumar Akhilesh, Singh R. S. Singh M. and Singh S. (2013)	
SHAH DOL					Screening of sesamum germplasm against Bihar hairy caterpillar	Gangwar D. S., Katiyar R. R., Kumar Akhilesh, and	

				( Spilarctia obliqua Walk.). 15 <sup>th</sup> Indian Agricultural Scientist and Farmers Congress held on February 22-24, 2013 at BRIAT, Allahabad. pp. 20.	Singh R. S. (2013)	
SHAH DOL				Screening of eco-friendly insecticides and their schedules for the management of fruit fly associated with the fruits of bitter gourd. National Symposium on Eco-friendly Approaches to Pest Management for Sustainable Agriculture held in November, 2013 at Deptt. Of Entomology, OUAT, Bhubnashawar, Odisha. pp. 153-154	Kumar A., Nath Paras, Kumar Akhilesh and Panday A. K. (2013).	
SHAH DOL				Assessment of skill enhancement during vocational training of farm women and rural girl youths in Shahdol district of	Alpana Sharma, Akhilesh Kumar, Mrigendra Singh and Nilu Vishwakarma	
SHAH DOL				Assessment of Propiconazole 25 EC against Fusarium wilt in Brinjal	Akhilesh Kumar, Mrigendra Singh and Alpana Sharma	
SHAH DOL				Assessment of Indoxacarb against chickpea pod borer(Helicoverpa armigera Hub.)	Akhilesh Kumar, Mrigendra Singh and Alpana Sharma	
SHAH DOL				Comparitive ergonomics evaluation of cono weeder and hand weeding for paddy weeding by Farm Women of Shahdol District (M. P.)	Alpana Sharma,Dr. Neelu Vishwakarma, Dr. Akhilesh Kumar and Dr M. Singh	
SHAH DOL				Paddy Drum Seeder- A way of drudgery reduction of Farm Women of Shahdol district (M. P.)	Alpana Sharma,Dr. Neelu Vishwakarma, Dr. Akhilesh Kumar and Dr M. Singh	
SHAH DOL				Hanging Type Double Screen Grain Cleaner – A Drudgery Reduction Boon of Tribal Farm Women	Neelu Vishwakarma Alpana Sharma, Deepali Agrawal and H.S. Rai	
SHAH DOL	Popular articles	31		Soybean ke Chakra Bhrung kit ka prabandhan	Dhuware S.R., Singh M. & Kumar A.	
SHAH DOL				Chane ka pramukh kit – Chane ki fali chhedak illi ka prabandhan	Dhuware S.R. & Singh M.	
SHAH DOL				Avashyak hai Mrida parikshan	Dhuware S.R. & Singh M.	
SHAH DOL				Kharif Fasalon ki pramukh unnat kismen	Dhuware S.R. & Singh M.	
SHAH DOL				Dhan Utpadan ki unnat vidhi - 'SRI Paddhati'	Dhuware S.R. & Singh M.	
SHAH DOL				Kharif Faslon me kharpatwar prabandhan	Dhuware S.R. & Singh M.	
SHAH DOL				Rabi Fasalon ki pramukh kismen	Dhuware S.R. & Singh M.	
SHAH DOL				Chane me kisan bhai kya Karen	Dhuware S.R. & Singh M.	
SHAH DOL				Kechua Khad	Dhuware S.R. & Singh M.	
SHAH DOL				Lauha tattaw-Ek suchham poshak tattaw ka manaw aahar mein mahattaw	Sharma Alpana, Kumar A. and Singh M.	
SHAH DOL				Soyabeen ek chamtkari poshanik uphar.	Sharma Alpana, Kumar A. and Singh M. (2012).	



SHAHDOL				Aonla ki khadya gorwatta avam uska prasansakaran	Sharma Alpana, Kumar A. and Singh M.	
SHAHDOL				Nutritive value of maize	Sharma Alpana and Singh M.	
SHAHDOL				Bhojya resha ka dainik ahar mein mahattaw.	Sharma Alpana, Kumar A. and Singh M.	
SHAHDOL				Dudharu gau-vanshiya pashuyo ki prashawkal mein uchit dekhbhal. Krishak Vandana. 13(1): 9.	Shivbachan, Choubey A.K., Singh Jai and Kumar Akhilesh (2013).	
SHAHDOL				Sabjiyo ke keet prabandhan mein jaivik ghatko ka mahtaw. Krishak Chetana. 4(1): 37.	Kumar Akhilesh, Singh M., Saha S. and Sharma A. (2013).	
SHAHDOL				Keetnashi rasyno ke upyog mein sawdhaniya. Krishak Vandana. 13(1): 16.	Kumar Akhilesh, Sharma A. Singh M. and Lognathan M. (2013).	
SHAHDOL				Chane ki illi ka samnavit keet prabandhan. Krishak Chetana. 4(1): 17.	Kumar Akhilesh, Sharma A. Singh M. and Singh N. (2013).	
SHAHDOL				Sabjion ke rog prabandhan mein jaivik ghatako ka mahattaw. Krishak Duniya. 38(39): 6.	Pandey K.K and Kumar Akhilesh (2013).	
SHAHDOL				Sabjion mein keetnashi rasayno ke vish prabhaw se bachaw. Krishak Chetana. 3(4): 44.	Kumar Akhilesh and Sharma A. (2012).	
SHAHDOL				Barseem ek dugdh vardhak hara chara "Khilaney mein sawdhaniya" Krishak Chetana. 3(4): 35.	Shivbachan, Choubey A.K., Singh Jai and Kumar Akhilesh (2012).	
SHAHDOL				Dhan ki phasal mein samanwit keet prabandhan. Krishak Duniya. 38(27): 4 & 14.	Kumar Akhilesh, Sharma A. and Singh M. (2012).	
SHAHDOL				Dhan ki phasal mein samanwit keet prabandhan. Krishak Duniya. 38(27): 4 & 14.	Kumar Akhilesh, Sharma A. and Singh M. (2012).	
SHAHDOL				Tamatar mein samanawit keet prabandhan. Krishak Vandana.12(8): 27&30.	Kumar Akhilesh, Singh M., Sharma A., Dhuware S.R. and Singhai N.K. (2012).	
SHAHDOL				Mirch avam tamatar mein keet prabandhan. Krishak Chetana. 2(7): 36.	Kumar Akhilesh, Singh M. and Sharma A. (2012).	
SHAHDOL				Sabji mein keet prabandhan. Krishak Duniya. Krishak Duniya. 38(9): 30 -32.	Kumar Akhilesh and Singh M. (2012).	
SHAHDOL				Unnat kheti ka adhar, kare beejopchar. Duniya. Krishak Duniya. 38(9): 07&15.	Kumar Akhilesh (2012).Swasthya beej:	
SHAHDOL				Baigon mein keet prabandhan.Dehat Sandesh. 9(184): 11.	Kumar Akhilesh, Sharma A. and Singh M. (2012).	

SHAHDOL					Tamatar mein nashijeev prabandhan. Krishak Duniya. 38(13): 6.	Kumar Akhilesh, Sharma A., Dhuware S.R. and Singh M. (2012).	
SHAHDOL					Kaddu vargiya sabjiyon mein keet avam rog prabandhan. Krishi Saporter. 6(10): 3-6.	Kumar Akhilesh (2012).	
SHAHDOL					Kaddu vargiya sabjiyon mein keet avam rog prabandhan. Krishak Chetana. 3(1): 27-28.	Kumar Akhilesh, Sharma A. and Singh M. (2012).	
SHAHDOL	Technical Bulletin	01			Varshakalin sabjyon mein ekkikrit keet prabandhan. Technical Bulletin No.-1, pp. 1-08, KVK, Shahdol.	Kumar Akhilesh and Singh M (2012).	500 each
SHAHDOL	Leaflets/folders	10			Chana utpadan ki unnat teknik	Sitaram Dhuware and Mrigendra	500 each
SHAHDOL					Masur utpadan ki unnat teknik	Sitaram Dhuware and Mrigendra	
SHAHDOL					Rabi fasalon me kharpatwar prabandhan	Sitaram Dhuware, Nitin Singhai & Mrigendra Singh	
SHAHDOL					Aonla ka mulaysawardhan.	Sharma Alpana, Kumar A.and Singh M. (2012).	
SHAHDOL					Kaddu vargiya sabjiyon mein nashijev prabandhan.	Kumar A., Sharma Alpana and Singh M. (2012).	
SHAHDOL					Bhojya resha ka dainik ahara mein mahattaw.	Sharma Alpana, Kumar A. and Singh M. (2012).	
SHAHDOL					Dhan mein samanwit keet prabandhan.	Kumar A., Sharma Alpana , Singhai N.K. and Singh M. (2012).	
SHAHDOL					Kaddu vargiya sabjiyon mein nashijev prabandhan. Ext. Folder No. 4. KVK, Shahdol.	Kumar Akhilesh, Sharma A. and Singh M. (2012).	
SHAHDOL					Dhan mein samanwit keet prabandhan.Ext. Folder No. 2. KVK, Shahdol.	Kumar Akhilesh, Sharma A. and Singhai N.K. (2012).	
SHAHDOL					Tamatar ki phasal mein smakit keet prabandhan. Ext. Folder No. 1. KVK, Shahdol.	Kumar Akhilesh and Singh M. (2012).	
SHAHDOL	Newsletter	04	Oct 2008	Quarterly	April – June , July – Sep, Oct – Dec and Jan- Mar	S.R. Dhuware and Mrigendra Singh	

### 13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
SHAHDOL	ATMA	Central	20000+24000	Demonstration	KVK	
SHAHDOL	MNREGA	State		Plantation at KVK Farm Implementing agency ASCO		
SHAHDOL	NHM					
SHAHDOL	RKVY			Kodo Kutki Processing Machine		
SHAHDOL	DRDA					
SHAHDOL	Zila Panchyat					

SHAHDOL	Seed Village					
SHAHDOL	NAIP					
SHAHDOL	Climate Change					
SHAHDOL	Others (Plz. Specify)					
SHAHDOL	ISOPAM	Zonal Coordinator	89100	FLD – Maize Hybrid Maize 96-37, NBP-501 & extension activities	Sohagpur & Gohparu Block	
SHAHDOL	TSP- Pulses	IIPR , Kanpur	65000+186000	FLD- Pulses & extension activities Black Gram var. TU94-2 Green Gram JTM-3 & TM-37 Gram – JG-16, JG-130 Lentil – JL-3	Sohagpur	
SHAHDOL	TSP-Agroforestry	AICRP on Agroforestry – Jhansi, Deptt. of Forestry, JNKVV, Jabalpur	120000	Demonstration & Training	Sohagpur	

#### 14. Utilization of Farmers Hostel. Not Completed

Accommodation available (No. of beds): Not Completed

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)
SHAHDOL							

#### 15. Utilization of Staff Quarters. Not Completed

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

#### 16. Details of KVK Agro-technological Park –

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

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

##### b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
SHAHDOL	Crop Cafeteria	<b>Established</b> <ul style="list-style-type: none"> <li>• Bottle guard- Pusa Naveen, F1 Hybrid</li> <li>• Brinjal – Chhaya – 3715, BE 706, Kashi Sandesh</li> <li>• Kodo – Jawahar Kodo -13, Jawahar Kodo -155</li> <li>• Kutki – Jawahar Kutki – 8, Jawahar Kutki – 36</li> <li>• Custard apple – Local germplasm</li> <li>• Jackfruit – K.Prolific</li> </ul>

		<ul style="list-style-type: none"> <li>• Jamun – K.Bardali</li> <li>• Drum Stick – Local</li> </ul> <p><b>- Scion Block</b></p> <ul style="list-style-type: none"> <li>• Mango - Mallika, Banglora, Fajli, Bombay Green, Sunderja, Amrapali</li> <li>• Guava – Chitidaar, GWL-27, L-49, Allahabad Safeda</li> <li>• Pomegranate – Ruby, Mridula</li> <li>• Ber – Banarasi Karka, Umran Gola</li> <li>• Aonla – Chakaiya, Kanchan, Krishna</li> <li>• Papaya – Pusa Nanha</li> </ul>
<b>SHAHDOL</b>	Technology Desk	<b>Established</b>
<b>SHAHDOL</b>	Visitors Gallery	<b>Established</b>
<b>SHAHDOL</b>	Technology Exhibition	<b>Established</b> <ul style="list-style-type: none"> <li>• <b>Meadow orchard</b></li> <li>• <b>High Density orchard</b></li> <li>• <b>Nutritional Kitchen garden</b></li> <li>• <b>Drip Irrigation System</b></li> <li>• <b>Micro Sprinkler Irrigation System</b></li> </ul>
<b>SHAHDOL</b>	Technology Gate-Valve	<b>Not Established</b>

**c). Crop Cafeteria-**

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

**17. 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	SHAHDOL	Gyani Chaurasia	Integrated Farming System	Village – Vikram pur, Mobile - 9669137364
2	SHAHDOL	Balmiki Kushwaha	Bamboo Marker for SRI	Village – Bokra Bokri Mobile – 07389785045
3	SHAHDOL	Ravi Shankar Patel	Minor Millets	Village - Jhiria Mobile - 9630381591
4	SHAHDOL	Amar Patel	Urd Crop	Village – Sinduri Mobile – 9755277454
5	SHAHDOL	Hari Charan Patel	Vegetable Cultivation	Village – Sinduri

				Mobile – 9754815989
6	SHAHDOL	Dhanu Das Sahu	SRI Paddy Cultivation	Village – Shahpur Mobile – 9617851704
7	SHAHDOL	Laloo Singh	SRI Paddy Cultivation	Village – Khatauli Mobile – 9617010039
8	SHAHDOL	Pawan Mishra	Vegetable Cultivation	Village – Sinduri Mobile – 9425809133
9	SHAHDOL	Shankarlal Prajapati	SRI Paddy Cultivation	Village – Gortara Mobile – 9827787203
10	SHAHDOL	Sitesh Jeevan Patel	Veg. Cultivation	Village – Kalyanpur Mobile – 9926986737

**18. KVK interaction with progressive farmers-** each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	Pre Kharif interaction 13/06/2012, 15/06/2012, 09/08/2012, 15/08/2012 – Event 4	144
2.	Pre Rabi interaction 25/10/2012, 20/12/2012 – Event 2	50

### 19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
SHAHDOL	Sohagpur, Burhar	Jaisinghnagar	15	35
SHAHDOL		Beohari, Gohparu		

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

**20. 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	As per allotment by ZPD and University			

### 21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	Dindori	Sharing Engg. services	
2.	Umaria	Sharing Agroforestry and Vet.. services	
3.	Rewa	Sharing Plant Breeder. services	
4.	Sidhi	Sharing Soil Science. services	

## 22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
SHAHDOL	Dean, College of Agriculture, Rewa	30.06.2012	
SHAHDOL	DES, JNKVV, Jabalpur	30.06.2012	
SHAHDOL	Scientist, COA, Rewa	14.09.2012	
SHAHDOL	JDE, JNKVV, Jabalpur	11.10.2012	
SHAHDOL	Senior Scientist ZPD, Zone VII	07.12.2012	
SHAHDOL	ADA Directorate Bhopal	12.01.2013	
SHAHDOL	Chairman Zila Panchayat	15.02.2013	
SHAHDOL	Chief Municipal Officer	13.03.2013	

## 23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	www.kvkshahdolzpd7.org	25-03-2011	Timely	-

## 24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	SHAHDOL	Nil	Nil

## 25. E-CONNECTIVITY (ERNET Lab)

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			
SHAHDOL	Nil						

## 26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	1	15	
	Lectures organized	4	60	
	Exhibition	1	15	
	Film show	2	15	
	Fair			
	Farm Visit	1	15	
	Diagnostic Practical's	1	15	
	Distribution of Literature (No.)	1	15	

	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings (No)			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

## 27. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

### Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
		Oilseeds		
		Pulses		
		Cereals		
		Vegetable crops		
		Tuber crops		
		Fruits		
		Spices		
		Cotton		
		<b>Total</b>		

### Farmers-scientists interaction on livestock management

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

**Animal health camps to be organized**

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

**Seed distribution in drought hit states**

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

**Seedlings and Saplings to be distributed**

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

**Bio-control Agents**

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

**Bio-Fertilizer**

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

**Vermes Produced**

Name of KVK	Vermes Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

**Large scale adoption of resource conservation technologies**

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers



**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

**28. Proposal of NICRA – NOT APPLICABLE**

**1. Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

**2. Proposed Extension Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

**3. Proposed Training Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

**4. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

**5. Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

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

Name of Representative/Officer	Designation	Date of Visit

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

8. Good Action Photographs after work progress (step-wise)

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

**30. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
SHAHDOL	10751749245 (KVK Main Account No.)	1521208	2431119	

**31. Awards & Recognitions**

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

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

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
01	SHAHDOL	03	

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