# **REPORTING PERIOD – APRIL, 2011 TO MARCH, 2012**

# Summary of achievements during the reporting period

KVK	Activity		arget		ievement	
Name		Number of	No. of farmers/	Number of	No. of farmers/	Total value of resource
		activity	beneficiaries	activity	beneficiaries	generated/Fund received
						from diff. sources (Rs.)
Deogarh	OFTs	18	83	18	83	
Deogarh	FLDs – Oilseeds (activity in ha)	15.0	45	15.0	45	
Deogarh	FLDs – Pulses (activity in ha)	5.0	15	5.0	15	
Deogarh	FLDs – Cotton (activity in ha)					
Deogarh	FLDs – Other than Oilseed and pulse crops(activity in ha)	9.0	66	9.0	66	
Deogarh	FLDs – Other than Crops (activity in no. of	23	162	23	162	
	Unit/Enterprise)	23	102	23	102	
Deogarh	Training-Farmers and farm women	65	1625	65	1625	
Deogarh	Training-Rural youths	9	135	9	135	
Deogarh	Training- Extension functionaries	8	80	8	80	
Deogarh	Extension Activities	200	2000	373	3432	
Deogarh	Seed Production (Number of activity as seeds in quintal)	5.0 q		1.93 q		
Deogarh	Planting material ((Number of activity as quantity of					
_	planting material in quintal)					
Deogarh	Seedling Production (Number of activity as number of	50000	1500	61507	1936	
	seedlings in numbers)	30000	1500	01307	1750	
Deogarh	Sapling Production (Number of activity as number of					
	sapling in numbers)					
Deogarh	Other Bio- products	20kg	20	21.6 kg	25	
Deogarh	Live stock products					
Deogarh	SAC Meeting (Date & no. of core/official members	20.7.2011/19		20.7.2011/19		
Deogarh	Newsletters (no.)	4	2800	3	2100	
Deogarh	Publication (Research papers, popular article)	4	Mass	4	mass	
Deogarh	Convergence programmes / Sponsored programmes	1		1		
Deogarh	KVK-ATMA Linkage programme (Number of activities)	4		4		
Deogarh	Outreach of KVK in the District (No. of blocks, no. of	3/50		3/62		
	villages)					
Deogarh	Soil sample tested	25	25	35	35	
Deogarh	Water sample tested					
Deogarh	KMA (No. of messages & beneficiaries)	90	200	124	352	

# **1. GENERAL INFORMATION**

#### **1.1. Staff Position (as on date31.03.2011)**

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)
Deogarh	Programme Coordinator	Dr.K.C.Barik	Agronomy	PhD	Agronomy	PB2 (37400 – 67000) GP-10000	49610	28.10.09	Permanent	Others
Deogarh	Subject Matter Specialist1	Mr. S. K. Sahoo	Horticulture	M.sc.(Hort.)	Horticulture	15600 – 39100) GP-6000	19050	19.7.2006	Permanent	Others
Deogarh	Subject Matter Specialist2	Er. D. K. Mohanty	Agril Engineering	M.Tech.	Agril Engineering	15600 – 39100) GP-6000	19810	01.04.2007	Permanent	Others
Deogarh	Subject Matter Specialist3	Sri. S.K.Nath	Agril Extension	M.sc.(Ag.)	Agril Extension	15600 – 39100) GP-6000	19810	05.08.09	Permanent	Others
Deogarh	Subject Matter Specialist4	Smt Anita Patro	Home Science	Msc.(H.Sc.)	Home Science	15600 – 39100) GP-6000	16920	18.12.09	Permanent	Others
Deogarh	Subject Matter Specialist5	Sri Laba Soren	Plant Pathology	M.sc.(Ag.)	Plant Pathology	15600 – 39100) GP-6000	16920	24.12.09	Permanent	ST
Deogarh	Subject Matter Specialist6	Vacant								
Deogarh	Programme Assistant	Vacant								
Deogarh	Farm Manager	Sri Sandeep Mohanty	Plant Pathology	M.sc.(Ag.)	Plant Pathology	9300 – 39100) GP- 4200	11470	08.07.2008	Permanent	Others
Deogarh	Computer Programmer	Sri Nihar Ranjan Baral	Computer	B.Sc.	Computer	9300 – 39100) GP- 4200	11470	10.08.2009	Permanent	Others
Deogarh	Accountant / superintendent	Vacant								
Deogarh	Stenographer	Sri Benudhar Moharana		B.A.		5200-20200 GP- 2400	6430	11.10.2006	Contractual	Others
Deogarh	Driver	Sri Akura Mohapatra		10 <sup>th</sup>		5200-20200 GP- 1900	5640	29.07.2008	Contractual	Others
Deogarh	Driver	Vacant								
Deogarh	Supporting staff	Sri Dwija Behera		9 <sup>th</sup>		4440-7440 GP- 1300	4800	31.07.2008	Contractual	Others
Deogarh	Supporting staff	Sri Raghu Senapati		6 <sup>th</sup>		4440-7440 GP- 1300	4800	31.07.2008	Contractual	Others

#### DISTRICT PROFILE **OUR PEOPLE OUR AGRO CLIMATE OUR LAND** 274095 Population 2781.66 sq km No. of Sub-Division 1 Agroclimatic zone North-western Plateau **Total Area** 21° 31' 53" N 1560.22 sq. km No. of Tehsil 1 Males 138913 Latitude Forest land Kharif : 15,887 ha. No. of Blocks 84° 43' 2'' E 3 Females 135182 Longitude Irrigated area (32.22%) Rabi : 8,425 ha No. of G.P 60 Literacy Rate 60.78% Average rainfall 1582.5 mm Net sown area 66800 ha Max mean : 32.7 ° C Male : Female 1000 : 980 No. of Villages 774 Temperature **Cropping intensity** 189 ratio Min mean : 19.25<sup>.</sup> C

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

#### Land utilization:

CL No.	Nome of the Disch		Cultivated	l Area		Paddy Area						
Sl. No.	Name of the Block	High	Medium	Low	Total	High	Medium	Low	Total			
1.	Tileibani	12219         5718         3863         21800         4419         5474		3863	13756							
2.	Barkote	10708	6510	3582	20800	1408	6079	3582	11079			
3.	Reamal	11429	8721	4050	24200	1729	8396	4050	14175			
	TOTAL	34356	20949	11495	66800	7556	19949	11495	39000			

#### **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)
Deogarh	Niktimal	2006-07	Tileibani	20	385	85
Deogarh	Kureibahal	2006-07	Tileibani	20	410	82
Deogarh	Bangalimunda	2006-07	Tileibani	50	210	33
Deogarh	Akhyarshilla	2009-10	Barkote	45	850	119
Deogarh	Khilaberini	2008-09	Reamal	65	376	96
Deogarh	Kailash	2010-11	Tileibani	35	250	105
Deogarh	Dhouraghote	2011-12	Reamal	30	225	192
Deogarh	Rangamatia	2011-12	Barkote	35	189	166

KVK Name	THRUST ARI	
Deogarh	Crop diversification in rainfed upland	
Deogarh	Varietal substitution in field and horticultural crops	
Deogarh	Off-season vegetable cultivation	
Deogarh	Commercial cultivation of vegetables, fruits, flowers, spices, medicinal and aromatic crops.	
Deogarh	Introduction of more remunerative new crops into the cropping system	
Deogarh	Production of quality seed and planting materials in different major crops of the district.	
Deogarh	Rejuvenation of existing orchards	
Deogarh	Management of Acid soil for higher productivity	
Deogarh	INM in different crops	
Deogarh	Yield enhancement of cereals, pulses, oilseeds, fruit & vegetable crops through implemen	tation of proper IPM strategies
Deogarh	Water management & soil-water conservation	
Deogarh	Farm mechanization	
Deogarh	Better & efficient utilization of forest produce for income generation of rural poor	
Deogarh	Agro based income generation activities to rural youths and farm women	
Deogarh	Organization of farmers clubs/associations in the district	
Deogarh	Drudgery reduction of farm women	
Deogarh	Food and nutritional security	
Deogarh	Poultry, duckery, goatery and dairy farming	
U	BLEM IDENTIFIED by KVK (Approved by competent Authority in	meetings/workshon)
KVK Name	Problem identified	Methods of problem identification
Deogarh	65% of the soil is acidic	Secondary data collection, meeting and soil testing
Deogarh	70% of the area is rainfed	Group discussion, secondary data collection
Deogarh	74% of the total geographical area is covered under mountains, hills and dense forest	Group discussion, meeting, secondary data collection
Deogarh	Lack of adoption of off-season vegetables	PRA, Group discussion, meeting, diagnostic visit
Deogarh	Less crop diversification in uplands from rice to other crop	PRA, awareness campaign, Group discussion, meeting
Deogarh	Lack of farm mechanization	PRA, Group discussion, meeting, Exhibition
Deogarh	No soil and water conservation measures and improper management of water	PRA, Group discussion, Field visit
Deogarh	Lack of utilization of forest produce for income generating activities	PRA, Group discussion, meeting
Deogarh	No agro based income generating activities of the SHGs	PRA, Group discussion, meeting`
Deogarh	Heavy loss from the farming due to non adoption of IPDM measures	PRA, Kissan mela, meeting, Farmers seminar
Deogarh	Adoption of old traditional varieties in pulses and oilseeds	PRA, Group discussion, FC meeting, Farmer-scientist interaction
Deogarh	Absent of farmers organization	PRA, Group discussion, Field visit
Deogarh	Non adoption of high value crops by the farming community	PRA, Group discussion, meeting, diagnostic field visit

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

# 2. On Farm Testing

### 2.1 Information about OFT

ĺ	KVK	Year/	Problem	Category of technology	Thematic	Crop/ enterprise	Farming Situations	Title of	No. of	Results (with	h parameter)		Returns A./ha)	Recommenda
	name	season	diagnose	(Assessmen/ Refinement )	Area			OFT	trials	Farmer practice T1	Rec. Tech T2	T1	T2	tions
	Deogarh	2011- Kharif 2011-12 Rabi	The poor rainfed farmers with small land holdings mainly concentrated on crop production with erratic rainfall and degraded soil fertility	Assessment	Integrated farming system	Paddy, Arhar, groundnut, papaya(50 plants) Goatery (20 nos) + paddy straw mushroom (100 beds) + poultry (50 birds)	Rainfed	Assessment of rainfed 1.0 ha Farming system Model	01				33900	This technology should be recommended for rain fed areas of Deogarh districts

Deogarh	2011- Kharif	The rice yield is declining gradually both season after season and year after year making its cultivation unsustainable and uneconomical.	Assessment	Integrated crop management, varietal evaluation.	Rice	Rainfed, up land	Assessment of hybrid rice variety Indam-17 under SRI cultivation for increasing its productivit y.	05	No. of tillers/hill- 19	No. of tillers/hill- 31	15500	24000	This technology should be recommended for rain fed areas of Deogarh districts
Deogarh	2011- Kharif	Rice is one of our major crop for food security. Excessive weed growth is one of the major constraint for low productivity of rainfed rice.	Assessment	Weed management.	Rice	Rainfed, medium land	Weed manageme nt module in direct seeded rice under rainfed situation	05	No. of tillers/hill- 11	No. of tillers/hill- 20	6000	15000	This technology should be recommended for rain fed areas of Deogarh districts
Deogarh	2011 Kharif	Low yield due to cultivation of banana from locally available suckers	Assessment	Varietal evaluation	Tissue culture banana	Irrigated, upland	Assessment of Tissue Culture Banana Variety Bantala	05	No. of fruit/bunch - 72	No. of fruit/bunch - 97	129800	182600	This variety is recommended for rainfed medium land areas of Deogarh district
Deogarh	2011 Kharif	Low yield and return from rainfed upland rice	Assessment	Off season vegetable cultivation	Onion	Rainfed, upland	Assessment of Onion variety Agrifound dark Red	05		Yield (q/ha)-215 No. of fruit/Kg 27		93500	Agrifound Dark Red is recommended for upland in kharif season

		2011-12 Rabi	Low yield due to use of imbalanced fertilizer dose	Assessment	Integrated nutrient management	cauliflowe r	Rainfed, upland	Assessment of inm in cauliflower	05	Yield (q/ha)-240 Avg. size of cauliflower – 1.4 Kg	Yield (q/ha)-325 Avg. size of cauliflower – 1.8 Kg	59650	89750	INM in cauliflower in Rabi season is recommended for Deogarh district
		2011-12 Rabi	Low yield due to use of imbalanced fertilizer dose	Assessment	Integrated nutrient management	tomato	Rainfed, upland	Assessment of inm in tomato	05	Yield (q/ha)-302 No. of fruits per plant - 17	Yield (q/ha)-385 No. of fruits per plant - 21	68200	104100	INM in tomato in Rabi season is recommended for Deogarh district
De	eogarh	2011 Kharif	Low yield due to high infestation of sheath blight.	Assessment	Integrated Disease Management	Rice	Rainfed low land	Assessment of IDM against sheath blight in rice	05	Yield (q/ha)-26.1 No. of tillers affected /hill-21	Yield (q/ha)-43.1 No. of tillers affected /hill-7	6500	12500	IDM practices recommended to control sheath blight disease in Deogarh district
		2011-12 Rabi	Severe incidence of powdery mildew results in degenerated fruits which reduces yield, marketability and income	Assessment	Integrated Disease Management	watermelo n	Rainfed, upland	Assessment of idm against powdery mildew in watermelon	05	Yield (q/ha)-210	Yield (q/ha)-320	50000	81000	IDM practices should be recommended to control the powdery mildew disease in watermelon in Deogarh district

Deogarh	2011-12 Kharif	Though cono and mandwa weeder is widely used for weeding in SRI method, lots of drudgery and time involved in weeding by cono and mandwa weeder	Assessment	Farm machineries	Paddy	Irrigated	Assessment of Power weeder in SRI	05	Filed capacity- 0.012 ha/h	Filed capacity- 0.13 ha/h	Cost of operatio n- Rs. 1290/ha	Cost of operation - Rs. 860/ha	By using SRI paddy power weeder we can save 90% labour and 34 % cost against mandwa weeder
Deogarh	2011-12 Rabi	Water shortage for irrigation during Rabi in dry land situation for tomato cultivation resulting low yield and fruit cracking	Assessment	Farm machineries	Tomato	Irrigated	Assessment of micro- sprinkler in tomato	02	Yield (q/ha)-224 Fruit cracking (%) <b>-8</b>	Yield (q/ha)-288 Fruit cracking (%) -5	98600	140000	By using micro- sprinkler in tomato a farmer can save 42 % of water along with there is increase in yield upto 29 % with 38 % reduction in fruit cracking

Deogarh	2011-12 Rabi	Puddling helps to kill the weeds and buries them in puddled soils and keeps the soil surface in a more even condition, besides creating beneficial physical, biological and chemical conditions for rice plant growth. This field condition doesn't achieved with the help of desi plough which is a common practice in the district	Assessment	Farm machineries	Paddy	Irrigated	Assessment of puddling by bullock drawn puddler	05	Field Capacity Ha/h-0.04 Puddling index (%) - 54	Field Capacity Ha/h-0.1 Puddling index (%) - 64	Cost of operatio n- Rs. 2100/ha	Cost of operation - Rs. 840/ha	By using bullock drawn puddler we can save 62% labour and 60 % cost against desi plough with better puddling condition
Deogarh	2011-12 Kharif	Low efficiency and high drudgery of farm women in paddy harvesting	Assessment	Drudgery reduction	Paddy	Rainfed	Assessment of serrated sickle for enhanceme nt of efficiency and reduction of drudgery of farm women involved in harvesting paddy	05	Harvesting capacity (m2/hr)-95.5	Harvesting capacity (m2/hr) - 102.5	No. of manday s / ha- 44	No. of manday s / ha-33	By using Serrated sickle we can save 33.3% labour against local sickle

Ι	Deogarh	2011-12 Rabi	Low efficiency and high drudgery of farm women by using spade	Assessment	Drudgery reduction	Groundnu t	Irrigated	Assessment of hand ridger for enhanceme nt of efficiency and reduction of drudgery of farm women in ground nut cultivation.	05	Weeding capacity ha/h <b>-0.08</b>	Weeding capacity ha/h-0.1	-	-	By using hand ridger we can save 85% labour and 25% cost against spade
Ι	Deogarh	2011-12 Rabi	Straw is poorly available due to the conventional method of harvesting practices	Assessment	Small scale income generation	Homestea d	-	Assessment of sesamum stalk in oyster mushroom cultivation.	05	Yield (kg/bed)-1.8	Yield (kg/bed) -1.6	-	-	Though the yield is less in compare to farmer practice the problem of non availability of substrate can be solved and cost of cultivation is cheaper than the farmer practice
Ι	Deogarh	2011-12 Rabi	Low body weight of the deshi birds fetched less income	Assessment	Small scale income generation	Backyard	-	Assessment of red cornish poultry breed by rural women in backyard.	05					

#### 2.2 Economic Performance

KVK name	OFT Title	Par	rameters		Average Cost of cultivation (Rs/ha)				e Gross Ret (Rs/ha)	urn	Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T <sub>1</sub> )	<b>RP</b> (T <sub>2</sub> )	Refi ned Prac tice, if any (T <sub>3</sub> )	<b>FP</b> ( <b>T</b> <sub>1</sub> )	<b>RP</b> ( <b>T</b> <sub>2</sub> )	Refi ned Prac tice, if any (T <sub>3</sub> )	<b>FP</b> ( <b>T</b> <sub>1</sub> )	<b>RP</b> (T <sub>2</sub> )	Ref ine d Pra ctic e, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	<b>RP</b> (T <sub>2</sub> )	Refine d Practi ce, if any (T <sub>3</sub> )
Deogarh	Assessment of 1.0 ha Farming system Model	Yield (q/ha)							33900							
Deogarh	Growing of rice hybrid variety Indam-17 under SRI cultivation for increasing its productivity	Yield (q/ha)	58.5	42.2	24500	31000		40000	55000		15500	24000		1.63	1.77	
Deogarh	Weed management module in direct seeded rice under rainfed situation	Yield (q/ha)	47.5	25.2	17500	30500		23500	45500		6000	15000		1.34	1.49	

Deogarh	Assessment of Tissue Culture Banana Variety Bantala	Yield (q/ha)	397	292	103800	135000	233600	317600	129800	182600	2.25	2.35	
Deogarh	Assessment of Onion variety Agrifound dark Red	Yield (q/ha)	215	-		78500		172000	_	93500	-	2.19	
Deogarh	Assessment of INM in cauliflower	Yield (q/ha)	325	240	48350	56500	108000	146250	59650	89750	2.23	2.59	
Deogarh	Assessment of INM in Tomato	Yield (q/ha)	385	320	82800	88400	151000	192500	60200	104100	1.82	2.18	
Deogarh	Assessment of IDM against sheath blight in rice	Yield (q/ha)	43.1	26.2	18500	29500	25000	42000	6500	12500	1.35	1.42	
Deogarh	Assessment of IDM against powdwry mildew in watermelon	Yield (q/ha)	320	210	32000	44000	82000	125000	50000	81000	2.56	2.84	
Deogarh	Assessment of IPM against onion thrips	Yield (q/ha)											
Deogarh	Assessment of Power weeder in SRI	Field capacity (ha/hr)	0.13	0.012	Labour requirem ent, man- days/ha- 10.4	Labour requirem ent, man- days/ha- 1			% saving in labour- 90	% saving in cost - 34	2.22	2.54	

Deogarh	Assessment of microsprinkl er in Tomato	Yield (q/ha)	288	224					98600	140000			
Deogarh	Assessment of puddling by bullock drawn puddler	Field capacity (ha/hr)	0.1	0.04	2100	840				% saving in labour- 62			
Deogarh	Assessment of serrated sickle for enhancemen t of efficiency and reduction of drudgery of farm women involved in harvesting paddy	Harvesting capacity (m <sup>2</sup> /hr)	102.5	95.5	3980	2970	_	-	-	% saving in labour- 33.3	_	_	
Deogarh	Assessment of hand ridger for enhancemen t of efficiency and reduction of drudgery of farm women in ground nut cultivation.	Weeding capacity (ha/hr)	0.1	0.08	1125	900	_	-		Labour saving (%)-60	_	_	

Deogarh	Assessment of sesamum stalk in oyster mushroom cultivation.	Yield (Kg/Bed)	1.6	1.8	25	18	144	128	119	110	5.76	7.1	
Deogarh	Assessment of red cornish poultry breed by rural women in backyard	Body wt./bird No.of egg/year											

# 2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Deogarh	• The liquid fertilizer application through drip should be widely demonstrated along with drip irrigation installation
	• The power weeder should be diesel operated instead of petrol engine
2	

## **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

	Crop/			Details of popularization methods	Horizonta	l spread of technolo	ogy
KVK Name	Enterprise	Thematic Area	Technology demonstrated	suggested to the Extension system	No. of	No. of farmers	Area in
				suggested to the Extension system	villages		ha
Deogarh	Rice	Varietal	Popularization of scented rice variety	FLD, training, farmer's meeting,	42	92	120
Deugain	Rice	evaluation	Ketekijoha	exhibition	42	92	120
Deegerh	Sweet Corn	Varietal	Popularization of sweet corn	Group discussions, Night meetings,	6	25	10
Deogarh	Sweet Colli	evaluation	ropularization of sweet corn	Video shows.	0	23	10
Deogarh	Maize	Varietal	Popularization of quality protein	Vocational training, group meeting,	28	49	72
Deogarn		evaluation	maize	demonstration	20	47	12

Deogarh	Rice	ICM	Growing of Manaswini var. paddy in SRI method	Vocational training, group meeting, demonstration	10	15	25
Deogarh	Spine Gourd	INM	Integrated nutrient management in spine gourd	FLD, training, farmer's meeting, exhibition	8	28	41
Deogarh	IFS	IFS	Popularization of pond based farming system approach	Group discussions, Night meetings, Video shows.	5	5	10
Deogarh	Tomato	Varietal evaluation	Cultivation of HYV tomato Utkal Raja	Vocational training, group meeting, demonstration	35	115	51
Deogarh	Tomato	IDM	Integrated wilt management in tomato	Vocational training, group meeting, demonstration	46	129	85
Deogarh	Brinjal	IPM	Biological control of brinjal fruit and shoot borer	FLD, training, farmer's meeting, exhibition	32	106	22
Deogarh	Chilli	IPM	Chemical control of chilli thrips.	Group discussions, Night meetings, Video shows.	54	136	81
Deogarh	Warter melon	IPM	Integrated pest management against fruit fly in watermelon	Vocational training, group meeting, demonstration	47	237	126
Deogarh	Onion	IDM	Integrated disease management of blight in onion.	Vocational training, group meeting, demonstration	23	121	95
Deogarh	Cono weeder	Farm machinery	Use of cono weeder in SRI	Video shows, FLD, training	32	245	313
Deogarh	Pedal operated K.B. pump	Farm machinery	Use of Pedal operated K.B. pump for irrigating onion field in place of local method by Tenda	FLD, training, farmer's meeting, exhibition	22	78	85
Deogarh	Power operated paddy thresher	Farm machinery	Use of power operated paddy thresher for threshing paddy	Group discussions, Night meetings, Video shows, On farm demonstration in front of farmers	12	85	
Deogarh	Self propelled rice transplanter	Farm machinery	Use of self propelled rice transplanter for transplanting paddy	Vocational training, group meeting, demonstration	2	6	15
Deogarh	Power operated groundnut thresher	Farm machineries	Use of power operated groundnut thresher	Vocational training, group meeting, demonstration	10	55	

	J.2 Details 0	n reds mpr	menteu											
					Crop- Area	Name of Variety/	Result	s (q/ha)	~		Ν	o. of farm	ers	
KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	(ha) / Entrep - No.	Technolo gy/Entre prizes	Demons	Check	% change	SC	ST	OBC	Others	Total
Deogarh	IFS	IFS	Kharif 2011	Crop : maize + poultry (50 birds) + paddy straw mushroom (100 beds) + vermicompost + off-season vegetables (tomato and cauliflower)	IFS	Maize (HQPM- 1) + poultry (Banaraj a) + paddy straw mushroo m + vermico mpost ( <i>Eudrilus</i> <i>euginae</i> ) + off- season vegetable s (tomato (Utkal Kumari) and cauliflow er(Barkh a)	$\begin{array}{l} 44.0 \text{ q/ha} \\ + 20 \text{ kg} \\ \text{mushroo} \\ \text{m} + 20 \\ \text{birds} \end{array}$					1		1

#### **3.2 Details of FLDs implemented**

Deogarh	Integrated farming system	Horticultural crops	Kharif-2010 Rabi-2010- 11	Mango plantation and round the year intercropping with vegetables, Pisciculture, Khaki campbell ducklings, Banaraja Chicks, mushroom and vermicomposting	1.0	Mango (Amrap alli), HYV vegetab les, Silver carp, Grass carp, commo n carp, Khaki campbe II ducklin gs, Banaraj a Chicks, Paddy straw & Oyster Mushro om, Eudrilu s eugina e	$\begin{array}{c} {\rm Paddy} \\ -1.5 \\ {\rm ha}-40 \\ {\rm q}-{\rm Rs} \\ 40, \\ 000.00 \\ {\rm Caulifl} \\ {\rm ower-} \\ 0.05{\rm ha} \\ -{\rm Rs.} \\ 1500.0 \\ 0 \\ {\rm Cowpe} \\ {\rm a}- \\ 0.05{\rm ha} \\ -{\rm Rs.} \\ 1500.0 \\ 0 \\ {\rm Potato} \\ -{\rm Rs.} \\ 4000.0 \\ 0 \\ {\rm Potato} \\ -{\rm Rs.} \\ 1000.0 \\ 0 \\ {\rm Piscicu} \\ {\rm ltur-} \\ 0.4{\rm ha}- \\ 12{\rm q}- \\ {\rm Rs.} \\ 1$					1		1
---------	------------------------------	------------------------	---------------------------------	--	-----	---	---	--	--	--	--	---	--	---

Deogarh	Integrated nutrient management	Sweet orange	Rabi-2010-11	Soil application of zinc sulphate @ 50g/plant and foliar spraying of zinc sulphate @ 2ml/lt during fruit marble stage	0.4	Nagpur Santra	320	263	22		10	10
Deogarh	Varietal evaluation	Sweet Potato	Kharif 2011	HYV Kishan	0.4	Kishan	129	105	35	1	4	5
Deogarh	Varietal evaluation	Chilli	Kharif 2011	HYV Utkal Ava	0.4	Utkal Ava	92.7	71.2	30	1	4	5
Deogarh	Varietal evaluation	Onion	Rabi-2010-11	Agrifound light red	0.4	Agrifoun d light red					5	5
Deogarh	Integrated nutrient management	Tomato	Rabi-2010-11	Utkal Raja	0.4	Utkal Raja	382	280	36		5	5
Deogarh	Integrated Disease Management	Sweet Orange	Rabi-2010-11	Application of Streptocyclin (0.1 g/lt) + Redomil (2 g/lt) at 15 DI from marble size.	1.0	Nagpur Santra	312	245	27.3		5	5
Deogarh	Integrated Pest Management	Paddy	Kharif 2011	Use of pheromone traps and need based application of pesticides like Trizophos @ 2 ml /lt	1.0	Pooja	44.0	25.5	72.5	2	3	5

Deogarh	Integrated Disease Management	Paddy	Kharif 2011	Seed treatment with Carbendazim @ 2 gm/kg seed before 7 days of sowing, seed soaking with Streptocyclin @ 1gm/ 10 lt of water before 1 day of sowing in nursery, spraying of Tricyclazole @ 500 ml /ha at tillering & panicle initiation stage	1.0	Manaswi ni, Pratikhsy a	46.2	27.4	68.6	1	4		5
Deogarh	Integrated Pest Management	cabbage	Rabi- 2011- 12	Alternate spraying of Fipronil @ 2ml/litre and <i>Bacillus</i> <i>thuringiensis</i> @ 1500 gm/ha at 30-35 DAP	0.4	Pride of India	310	185	67.5		5		5
Deogarh	Farm machinery	Paddy / Self propelled rice transplanter	Kharif- 2011	Use of self propelled rice transplanter	1.0	Self propelled rice transplan ter	45.5	38.3	18.8			2	2
Deogarh	Farm machinery	Paddy reaper (vst shakti) for harvesting of paddy	Kharif- 2011	Use of paddy reaper (vst shakti) for harvesting of paddy	2.0	Paddy reaper (vst shakti)	Field capacity- 0.27	Field capacity- 0.0056	97			2	2

Deogarh	Farm machinery	Pesticides power sprayer	Rabi- 2011-12	Use of power sprayer for timely application of pesticides	1.0	Power sprayer	Field capacity- 2.0	Field capacity- 0.2	90				5	5
Deogarh	Mushroom cultivation	Paddy straw mushroom	Kharif 2011	Paddy straw mushroom cultivation	10 nos.	Paddy straw mushroo m	Yield (kg/bed)1 .8	-	100	2	3	5		10
Deogarh	Drudgery	Groundnut	Kharif 2011	Use of Rotary peg weeder	0.4	Rotary peg weeder	Field capacity ha/hr 0.1	Field capacity ha/hr 0.0048	% age of reduction of drudgery -36%			10		10
Deogarh	Income generation	Vegetables	Rabi 2011- 12	Use of high yielding vegetable seeds with soil and seed treatment	0.002	High yielding vegetales	Germinat ion (%) 80.75	Germinati on (%)69.25	16.7		2		3	5
Deogarh	Income generation	Marigold	Rabi 2011- 12	Cultivation of marigold	0.1	African marigold	117	-	100		5			5
Deogarh	Resource conservation	vermicompost	Rabi 2011- 12	Proper use of bio waste vermicompost.	5 pits	Earthwor m Eudrillus euginae	1.57	-	100		5			5

# **3.3Economic Impact of FLD**

KVK	Name of Crop/ Enterprise	Technology	Pa	rameters		Cost cultiva (Rs/	ation	Gross R (Rs/I		Averag Return (		Benefit-Co (Gross R Gross	eturn /
Name		demonstrated	Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Deogarh	IFS	Crop : maize + poultry (50 birds) + paddy straw mushroom (100 beds) + vermicompost + off- season vegetables (tomato and cauliflower)	Yield (q/ha)	39.0		22500		41500					
Deogarh	IFS	Mango plantation and round the year intercropping with vegetables, Pisciculture, Khaki campbell ducklings, Banaraja Chicks, mushroom and vermicomposting	Yield (q/ha)	48.3		24200		58500					
Deogarh	Sweet orange	Soil application of zinc sulphate @ 50g/plant and foliar spraying of zinc sulphate @ 2ml/lt during fruit marble stage	Yield (q/ha)	320	263	168400	152800	384000	315600	215600	162800	2.28	2.07
Deogarh	Sweet Potato	Introduction of HYV Kishan	Yield (q/ha)	129	105	57700	47200	121500	84000	63800	36800	2.11	1.78

Deogarh	Chilli	Introduction of HYV Utkal Ava	Yield (q/ha)	92.7	71.2	87600	82300	185400	142400	97800	60100	2.12	1.73
Deogarh	Tomato	Use of boron in tomato	Yield (q/ha)	382	280	87800	80500	191000	140000	103200	59500	2.18	1.74
Deogarh	Sweet orange	Application of Streptocyclin (0.1 g/lt ) + Redomil (2 g/lt ) at 15 DI from marble size	Yield (q/ha)	312	245	165000	150000	374400	294000	209400	144000	2.27	1.96
Deogarh	Paddy	Use of pheromone traps and need based application of pesticides like Trizophos @ 2 ml /lt	Yield (q/ha)	44	25.5	18500	30000	24000	43000	13000	5500	1.43	1.30
Deogarh	Paddy	Seed treatment with Carbendazim @ 2 gm/kg seed before 7 days of sowing, seed soaking with Streptocyclin @ 1gm/ 10 lt of water before 1 day of sowing in nursery, spraying of Tricyclazole @ 500 ml /ha at tillering & panicle initiation stage	Yield (q/ha)	46.2	27.4	18000	29500	25000	45000	15500	7000	1.53	1.39
Deogarh	Cabbage	Alternate spraying of Fipronil @ 2ml/litre and <i>Bacillus thuringiensis</i> @ 1500 gm/ha at 30-35 DAP	Yield (q/ha)	310	185	29600	45200	75000	120000	74800	45400	1.53	1.39
Deogarh	Farm machinery	Paddy / Self propelled rice transplanter	Yield (q/ha)	45.5	38.3					23375	14650	2.05	1.62

Deogarh	Farm machinery	Paddy / Reaper (VST Shakti)	Field capacity (ha/hr)	0.27	0.0056	750	2700				
Deogarh	Farm machinery	Pesticide/ power sprayer	Field capacity (ha/hr)	2.0	0.2	65	100				
Deogarh	Mushroom	Paddy straw	Yield (kg/bed)	1.8		60		180	120	3.1	
Deogarh	Groundnut	Use of Rotary peg weeder	% age of reduction of drudgery Field capacity	36 0.01	0.0048						
Deogarh	High yielding vegetales	Use of high yielding vegetable seeds with soil and seed treatment	% of germination	80.75	69.25						
Deogarh	African marigold	Cultivation of marigold	Yield (q/ha)	117		58800		93600	34800	1.59	
Deogarh	Earthworm Eudrillus euginae	Proper use of bio waste vermicompost.	Yield (q/pit)	1.59		400		1099	699	2.74	

#### **3.4 Feedback of the Farmers**

Name of KVK	Feedback
Deogarh	Highly satisfied in the performance of the transplanter and enquire about availability of any small transplanter which can be transported from one field to the other easily.
	> Satisfied with the performance of drum seeder but water management is a constraint in rainfed condition
	Foliar application of Metalyxil mancozeb @ 2gm/lt of water +Streptocycline @ 1gm/10 ltr of water in 7 days interval successfully controlled the disease incidence.
	> Highly satisfied with the weed management in paddy by incorporation the dhanicha
	Satisfied with the management of YSB in paddy and blast disease
	Highly appreciated the IFS approach
	➢ Highly appreciated the IINM and IPDM technology in sweet orange due to its high productivity
	➢ Highly adopted the hybrid paddy cultivation in SRI method
	Satisfied with the production of new variety of sweet potato kishan
	➢ Farmers satisfied with the boi- pesticides but the availability is the concern for them.
	➢ Farmwomen's are satisfied with vemicompost because its high organic efficiency
	Farmwomen's are readily accepted the paddy straw mushroom cultivation due to high profitability and simple technology
	Farmwomen are frequently use rotary peg weeder as it is reduces drudgery and increase efficiency

3.5	Training	and	Extension	activities	under FLD
-----	----------	-----	-----------	------------	-----------

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
		Field days			
Descel	Maize	Farmers Training	1	25	
Deogarh	Wiaize	Media coverage			
		Training for extension functionaries			
		Field days	1	50	
Derest	Oil seed	Farmers Training	4	100	
Deogarh	Oli seed	Media coverage			
		Training for extension functionaries			
		Field days	1	50	
Derest	Pulse	Farmers Training	3	75	
Deogarh	r uise	Media coverage			
		Training for extension functionaries			
		Field days			
<b>.</b> .		Farmers Training			
Deogarh		Media coverage			
		Training for extension functionaries			
		Field days			
	Die masticidae	Farmers Training	1	25	
Deogarh	Bio-pesticides	Media coverage			
		Training for extension functionaries	1	10	
		Field days			
Derech	Cucurbits	Farmers Training	1	25	
Deogarh	Cucurons	Media coverage			
		Training for extension functionaries			
		Field days			
Derech	Doddy	Farmers Training	5	125	
Deogarh	Paddy	Media coverage			
		Training for extension functionaries	1	10	

		Field days			
	Tomato	Farmers Training	1	25	
Deogarh	Tomato	Media coverage			
		Training for extension functionaries			
-		Field days			
	C 11	Farmers Training	1	25	
Deogarh	Cabbage	Media coverage			
		Training for extension functionaries			
		Field days			
		Farmers Training	1	25	
Deogarh	Brinjal	Media coverage			
		Training for extension functionaries			
		Field days	2	100	
	Paddy / Self propelled rice transplanter	Farmers Training	1	25	
Deogarh		Media coverage			
		Training for extension functionaries			
	Paddy / Pre- germinated paddy seeder	Field days			
Deogarh		Farmers Training	1	25	
Deogann		Media coverage			
		Training for extension functionaries			
		Field days		100	
Deogarh	IFS	Farmers Training4	4	100	
C		Media coverage	<u> </u>	100	
		Training for extension functionaries Field days			
		Farmers Training	2	50	
Deogarh	Sweet Orange	Media coverage	2	50	
		Training for extension functionaries			
		Field days			
		Farmers Training	1	25	
Deogarh	Sweet Potato	Media coverage			
		Training for extension functionaries			

		Field days			
Descert	Chilli	Farmers Training	1	25	
Deogarh	Cinin	Media coverage	1	100	
		Training for extension functionaries			
		Field days			
Descent	Onion	Farmers Training	2	50	
Deogarh	Onion	Media coverage			
		Training for extension functionaries	1	10	
		Field days			
Deogarh	Paddy straw mushroom	Farmers Training	2	50	
		Media coverage			
		Training for extension functionaries			
		Field days			
Deogarh	High yielding vegetables	Farmers Training	1	25	
Deugain		Media coverage			
		Training for extension functionaries			
		Field days			
Deogarh	vermicompost	Farmers Training	1	25	
Deugain	vermeompose	Media coverage			
		Training for extension functionaries			
	Supplimentary low	Field days			
Deogarh	cost food	Farmers Training	1	25	
Deugarn		Media coverage			
		Training for extension functionaries	1	10	

		assessment conducted by the is		, 
Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Deogarh	Farmer and Farm woman	Field visit, group discussion	25.04.11, Kailash	32
Deogarh	Farmer and Farm woman	Field visit, group discussion	27.05.11, Bindipur	28
Deogarh	Farmer and Farm woman	Field visit, group discussion	09.06.11, kendeijhuri	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.07.11, Niktimal	29
Deogarh	Farmer and Farm woman	Field visit, group discussion	16.08.11, Balam	27
Deogarh	Farmer and Farm woman	Field visit, group discussion	06.09.11, Bangalimunda	34
Deogarh	Extension personnel	Personal contact, attending govt programme as resource persons	24.09.11, Barkote	10
Deogarh	Farmer and Farm woman	Field visit, group discussion	13.10.11, Kailash	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	26.11.11, Rangamatia	29
Deogarh	Vocational training	Field visit, group discussion	12.11.11, Bangalimunda	17
Deogarh	Farmer and Farm woman	Field visit, group discussion	20.12.11, Dhouraghote	30
Deogarh	Farmer and Farm woman	Field visit, group discussion16.01.12, Gurujanga		39
Deogarh	Farmer and Farm woman	Field visit, group discussion	24.03.12,Kundapitha	30
Deogarh	Farmer and Farm woman	Field visit, group discussion	22.04.11, Dhauragith	40
Deogarh	Farmer and Farm woman	Field visit, group discussion	20.05.11, Kandhal	36
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.06.11, kendeijhuri	34
Deogarh	Farmer and Farm woman	Field visit, group discussion	15.07.11, Niktimal	31
Deogarh	Farmer and Farm woman	Field visit, group discussion	06.08.11, Malehipada	34
Deogarh	Farmer and Farm woman	Field visit, group discussion	08.09.11, Balanda	35
Deogarh	Rural youth	Field visit, group discussion	15.09.11, Niktimal	22
Deogarh	Extension personnel	Personal contact, attending govt programme as resource persons	25.09.11	10
Deogarh	Farmer and Farm woman	Field visit, group discussion	21.10.11, Rangamatia	28
Deogarh	Farmer and Farm woman	Field visit, group discussion	21.11.11, Rangamatia	32
Deogarh	Farmer and Farm woman	Field visit, group discussion	19.12.11, Kalamati	36
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.01.12, Bindipur	30

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

	<b>D</b> 1 <b>D</b>		12.02.12.0	27
Deogarh	Farmer and Farm woman	Field visit, group discussion	12.02.12,Gurujanga	37
Deogarh	Farmer and Farm woman	Field visit, group discussion	08.03.12, Niktimal	35
Deogarh	Vocational Training	Field visit, group discussion	15.03.12	15
Deogarh	Farmer and Farm woman	Field visit, group discussion	23.04.11, Rangamatia	28
Deogarh	Farmer and Farm woman	Field visit, group discussion	21.05.11, Kailash	37
Deogarh	Farmer and Farm woman	Field visit, group discussion	20.06.11, Bindipur	32
Deogarh	Vocational Training	Field visit, group discussion	19.07.11,Malehipada	33
Deogarh	Farmer and Farm woman	Field visit, group discussion	08.08.11,Niktimal	31
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.09.11, Balanda	35
Deogarh	Rural Youth	Field visit, group discussion	02.09.11, Niktimal	19
Deogarh	Extension personnel	Personal contact, attending govt programme as resource persons	19.09.11, Barkote	10
Deogarh	Farmer and Farm woman	Field visit, group discussion	02.10.11,Jhatiposi	29
Deogarh	Farmer and Farm woman	Farmer and Farm womanField visit, group discussion12.1		30
Deogarh	Farmer and Farm woman	Field visit, group discussion	17.12.11, Khilabarani	31
Deogarh	Farmer and Farm woman	Field visit, group discussion	08.01.12, Niktimal	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	11.02.12,Gurujanga	38
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.03.12, Kailash	39
Deogarh	Vocational Training	Field visit, group discussion	10.03.12	17
Deogarh	Farmer and Farm woman	Field visit, group discussion	23.04.11, Dauragotha	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	20.05.11, Rangamatia	32
Deogarh	Farmer and Farm woman	Field visit, group discussion	23.06.11, Kandhal	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	17.07.11,Balam	37
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.08.11,Niktimal	38
Deogarh	Farmer and Farm woman	Field visit, group discussion	25.09.11,Jhatiposi	32
Deogarh	Rural youth	Field visit, group discussion	18.09.11, Bangalimunda	19
Deogarh	Extension Personnel	Personal contact, attending govt programme as resource persons	20.09.11	10
Deogarh	Farmer and Farm woman	Field visit, group discussion	12.10.11, Rangamatia	31

Deogarh	Farmer and Farm woman	Field visit, group discussion	22.11.11, Kendeijhuri	27
Deogarh	Farmer and Farm woman	Field visit, group discussion	15.12.11, Kailash	36
Deogarh	Farmer and Farm woman	Field visit, group discussion	04.01.12, Kailash	34
Deogarh	Farmer and Farm woman	Field visit, group discussion	21.02.12,Bindipur	29
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.03.12, Gurujanga	33
Deogarh	Vocational Training	Field visit, group discussion	14.03.12	14
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.04.11, Dauragotha	35
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.05.11, Akhyarasilla	33
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.06.11, Kailash	37
Deogarh	Farmer and Farm woman	Field visit, group discussion	14.07.11,Balam	34
Deogarh	Farmer and Farm woman	Field visit, group discussion	02.08.11,Landijhari	35
Deogarh	Extension Personnel	Personal contact, attending govt programme as resource persons	07.08.11	10
Deogarh	Farmer and Farm woman	Field visit, group discussion	05.09.11,Niktimal	36
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.09.11, Dhauragotha	32
Deogarh	Rural youth	Field visit, group discussion	26.09.11,Dhauragotha	38
Deogarh	Farmer and Farm woman	Field visit, group discussion	17.10.11, Rangamatia	37
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.11.11,Bindipur	31
Deogarh	Farmer and Farm woman	Field visit, group discussion	20.12.11, Rangamatia	30
Deogarh	Farmer and Farm woman	Field visit, group discussion	10.01.12, Dhauragotha	32
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.02.12,Balam	29
Deogarh	Farmer and Farm woman	Field visit, group discussion	07.03.12, Landijhari	35
Deogarh	Vocational Training	Field visit, group discussion	08.03.12	12
Deogarh	Rural youth	Field visit, group discussion	18.03.12, Belmora	20
Deogarh	Farmer and Farm woman	Field visit, group discussion	22.03.12, Kailash	39
Deogarh	Farmer and Farm woman	Field visit, group discussion	18.03.12, Landijhari	34

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

# 5. TRAINING PROGRAMMES

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

 Table 5.1. Details of Training programmes conducted by the KVKs

Name of	Cate-	Training	Thematic	Training Title	No. of	Duration				Part	icipants			
KVK	gory	Туре	area		Courses	(Days)	G	eneral		SC		ST	Ot	thers
							М	F	М	F	М	F	М	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
Deogarh	FW	OFC	CRP	Cultivation practices of hybrid maize cultivation	1	1	1		1		6		17	
Deogarh	FW	OFC	CRP	Integrated Farming System	1	1			3				21	1
Deogarh	FW	OFC	CRP	Improved package of practices of kharif oilseeds cultivation	1	1	1				8		16	
Deogarh	FW	OFC	CRP	Improved of practices for kharif pulse cultivation	1	1							25	
Deogarh	FW	OFC	CRP	Cultivation practices of hybrid rice in SRI method	1	1							18	7
Deogarh	FW	OFC	CRP	Integrated Farming System	1	1					18	4	3	
Deogarh	FW	OFC	CRP	Improved cultivation practices of rabi oilseeds crops	1	1					1		24	
Deogarh	FW	OFC	CRP	Improved cultivation practices of rabi groundnut cultivation	1	1					18		7	
Deogarh	FW	OFC	CRP	Improved cultivation practices for rabi pulse cultivation	1	1							11	14
Deogarh	FW	OFC	CRP	Improved cultivation practices for rabi oilseeds cultivation	1	1					19		6	
Deogarh	FW	ONC	CRP	Integrated Farming System	1	1							25	
Deogarh	EXP	OFC	CRP	Production technology for field crops	1	2					3		7	
Deogarh	FW	OFC	HOV	Nursery raising of off season vegetables	1	1					4		21	

Deogarh	FW	OFC	HOV	Fertlizer mamagement in tomato	1	1	3			4		17	1
Deogarh	FW	OFC	HOV	Fertlizer mamagement in Chilli	1	1	3			12		10	
Deogarh	FW	OFC	HOV	Fertlizer mamagement in onion	1	1						20	5
Deogarh	FW	OFC	НОТ	Planting technique of sweet potato	1	1						25	
Deogarh	FW	OFC	НОТ	Fertlizer and cultural mamagement in sweet potato	1	1				11		14	
Deogarh	FW	OFC	HOV	INM in tomato	1	1				8		17	
Deogarh	FW	OFC	HOV	INM in cauliflower	1	1				8		17	
Deogarh	FW	OFC	HOF	Post harvest management in sweet orange	1	1		1				24	
Deogarh	FW	OFC	HOF	Cultural practices in mango orchard	1	1						25	
Deogarh	FW	OFC	HOV	Introduction of horticulture based farming ststem	1	1				20		5	
Deogarh	FW	OFC	HOV	Fertlizer mamagement in onion	1	1						25	
Deogarh	RYH	OFC	HOF	Nursery management of fruit crops	1	2				2		13	
Deogarh	EXP	ONC	HOF	Methodology of rejuvenation of old litchi orchard	1	2	3	1		2		4	
Deogarh	FW	OFC	PLP	Technique of seed and soil treatment by pesticides and biocides	1	1						25	
Deogarh	FW	OFC	PLP	Pest and disease management in cucurbits	1	1				1	4	8	12
Deogarh	FW	OFC	PLP	Control of yellow stem borer in rice	1	1		2	1			22	
Deogarh	FW	OFC	PLP	Control of blast disease in rice	1	1						25	

Deogarh	FW	OFC	PLP	Control of brown plant hoper in rice	1	1				16	9
Deogarh	FW	OFC	PLP	Control of sheath blight disease in rice	1	1		1	1	18	5
Deogarh	FW	OFC	PLP	Control of wilt disease in solaneceous vegetables	1	1			3	22	
Deogarh	FW	OFC	PLP	Control of Diamond Back Moth in cabbage	1	1		1		24	
Deogarh	FW	OFC	PLP	Control of dieback in sweet orange	1	1		1		24	
Deogarh	FW	OFC	PLP	Pest and disease management in vegetables like cucurbits, brinjal, okra and beans	1	1				25	
Deogarh	FW	OFC	PLP	Integrated pest and diseases management in oil seed crops like groundnut, sesamum and mustard	1	1			5	20	
Deogarh	FW	OFC	PLP	Integrated pest and diseases management in pulse crops like arhar, greengram and blackgram	1	1			9	16	
Deogarh	RYH	OFC	PLP	Apiculture for income generation	1	2				15	
Deogarh	EXP	ONC	PLP	Non conventional method of pest and disease control in Rice	1	2				10	
Deogarh	FW	OFC	HOV	Nursery raising of off season vegetables	1	1			4	21	
Deogarh	FW	OFC	HOV	Fertiliser management in tomato	1	1	3		4	17	1
Deogarh	FW	OFC	HOS	Fertilizer management in Chilli	1	1	3		12	10	
Deogarh	FW	OFC	HOS	Nursery raising of Kharif Onion	1	1			 	 20	5

Deogarh	FW	OFC	HOV	Planting technique of Sweet Potato	1	1				25	
Deogarh	FW	OFC	HOF	Planting technique and fertilizer management of Banana	1	1			11	14	
Deogarh	RYH	OFC	HOF	Commercial litchi production technology	1	2				15	
Deogarh	EXP	ONC	HOF	Methodology for rejuvenation of old Litchi orchard	1	2			2	12	1
Deogarh	FW	OFC	AEG	Use, operation and care during operation of plant protection equipment	1	1	1	1	3	20	
Deogarh	FW	OFC	AEG	Use of rotavator for primary and secondary tillage	1	1	11	3	1	10	
Deogarh	FW	OFC	AEG	Use and operation of self propelled rice transplanter	1	1	4		2	19	
Deogarh	FW	OFC	AEG	Use and operation of Cono weeder in SRI	1	1	2	2	7	14	
Deogarh	FW	OFC	AEG	Use and operation of seed drills and planters	1	1	2			23	
Deogarh	FW	OFC	AEG	Use and operation of fertilizer broadcaster	1	1		4	15	6	
Deogarh	FW	OFC	AEG	Engineering measures for conservation of soil and water	1	1			2	23	
Deogarh	FW	OFC	AEG	Use and operation of paddy reaper	1	1		3	7	15	
Deogarh	FW	OFC	AEG	Use and operation of paddy thresher	1	1		7	9	9	
Deogarh	FW	OFC	AEG	Use , operation and maintenance of power sprayer	1	1		4	10	11	
Deogarh	FW	OFC	AEG	Irrigation management moisture conservation on fruit crops	1	1			2	23	

Deogarh	FW	OFC	AEG	Use and operation of rotary peg weeder in ground nut	1	1					8		17	
Deogarh	RY	OFC	AEG	Use and operation of modern agricultural implements for increasing production and income generation	1	2					14		1	
Deogarh	EXP	ONC	AEG	Use, operation of horticultural tools and implements	1	2	1				1		8	
Deogarh	EXP	ONC	CBD	Agro-based enterprises for SHGs	1	2	8	2						
Deogarh	FW	OFC	CBD	Organisation of farmer's club	1	1	19		6					
Deogarh	RY	OFC	CBD	Farming system approach for more profit	1	2	15							
Deogarh	FW	OFC	CBD	Farmer's associations for agriculture development	1	1	25							
Deogarh	FW	OFC	FIS	Composite pisciculture	1	1	15	4			4	2		
Deogarh	RY	OFC	FIS	Ornamental psiciculture	1	2							7	8
Deogarh	FW	OFC	WOE	Preparation of supplementary food for children	1	1				3		4		18
Deogarh	FW	OFC	WOE	Value addition of Mango	1	1						1		24
Deogarh	FW	OFC	WOE	Planning and layout of kitchen garden	1	1				2		15		8
Deogarh	FW	OFC	WOE	Cultivation of Paddy straw mushroom	1	1		1				8		16
Deogarh	FW	OFC	WOE	Cultivation of Paddy straw mushroom	1	1								25
Deogarh	FW	OFC	WOE	Minimization of loss of nutrient during cooking	1	1				1		2		22
Deogarh	FW	OFC	WOE	Scientific method of nursery management	1	1				2		6		17
Deogarh	FW	OFC	WOE	Value addition of Lemon	1	1				4		1	1	20
Deogarh	FW	OFC	WOE	Cultivation of oyster mushroom	1	1						4		21

Deogarh	FW	OFC	WOE	Cultivation of oyster mushroom	1	1			6		19
Deogarh	FW	OFC	WOE	Value addition of tomato	1	1	1	6	4		14
Deogarh	FW	OFC	WOE	Value addition of Lemon	1	1		2			23
Deogarh	FW	OFC	WOE	Deworming of kids	1	1		3	6	5	11
Deogarh	FW	OFC	WOE	Rearing management of chicks	1	1		4	17		4
Deogarh	RY	OFC	WOE	Goatary management	1	2		2	11		2
Deogarh	RY	OFC	WOE	Preparation and use of vermin- compost	1	2		1	5		9
Deogarh	EXP	OFC	WOE	Preparation of low cost supplementary food for children	1	2	3	2			5

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

				Duration of	Numbe	r of Bene	ficiaries	5		
Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	training	5	SC		ST		Others
				(days)	М	F	М	F	Μ	F
Deogarh	Integrated Farming System	Field crop, vegetables, fruit crop, vermiculture, mushroom, poultry	Integrated Farming System	7			10			
Deogarh	Nursery raising and management of fruit crops	Mango, litchi and sweet orange	Nursery management	7			3		5	2
Deogarh	Integrated pest and disease management in pulse and oilseed crops	Arhar, greengram, blackgram, groundnut, sesamum, sunflower and mustard	Integrated pest and disease management	7			2		8	
Deogarh	Repair and maintenance aspects of agricultural implements for self employment	Agricultural implements	Farm mechanization	7					10	
Deogarh	Preservation of fruit and vegetables	Mango, sweet orange, litchi, tomato and chilli	Value addition	7		1		4		5

Name of KVK	Training title	Self employed after train	ing		Number of persons
		Type of units	Number of units	Number of persons employed	employed else where
Deogarh					

 Table 5.4. Sponsored Training Programmes

			Thematic area	per column no 5 of Table	Client	D		No.	of Pai	rticipa	nnts					
Na	me of KVK	Title			(FW/ RY/	Dura- tion	No. of courses	Otl	Others SC		SC		ST	Sponsoring Agency	Fund received for training (Rs.)	
			table)	T1)		(days)		М	F	М	F	М	F			
De	ogarh	Offseason vegetable cultivation	HOV	Offseason vegetable cultivation	FW	1	4	20	5	2	2	15	6	ATMA, Deogarh	20000	
Dee	ogarh	Scaling up of water productivity	RCT	Soil and water conservation	FW	7	28	20	5	10		15		AICRP on water management, RRTTS Chipilima, smbalpur	150000	

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

	Name of KVK Title		Thematic area (as	Sub-theme	Client	D		No.	of Par	ticipa	nts				
Name			given in abbreviation	(as per column no 5 of Table T1)	imn no 5 (FW/ t	tion	No. of courses	Others		SC			ST	Sponsoring Agency	Fund received for training (Rs.)
			table)		IS)	(days)		М	F	М	F	М	F		
Deog	arh														

	Title of the training	No. of trainees	Change in k	0	Change	in Production (q/ha)		Income (Rs)	Impact on
Name of KVK		trances	(Score) Before	After	Before	After	Before	After	<ol> <li>Area expanded (ha)</li> <li>No. of farmers adopted (no.)</li> </ol>
Deogarh	Cultivation practices of hybrid maize cultivation	25	12.3	19.3					<ol> <li>% change in knowledge, production &amp; Income</li> <li>Area expanded (ha):-26</li> <li>No. of farmers adopted (no.): 14</li> <li>% change in knowledge: 56.9</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Integrated Farming System	25	25.4	46.3					<ol> <li>Area expanded (ha):-5</li> <li>No. of farmers adopted (no.): 05</li> <li>% change in knowledge:82.3</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Improved package of practices of kharif oilseeds cultivation	25	33.1	65.6					<ol> <li>Area expanded (ha):-78</li> <li>No. of farmers adopted (no.): 11</li> <li>% change in knowledge:98.2</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Improved of practices for kharif pulse cultivation	25	21.4	48.5					<ol> <li>Area expanded (ha):-143</li> <li>No. of farmers adopted (no.): 09</li> <li>% change in knowledge:126.6</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Cultivation practices of hybrid rice in SRI method	25	23.5	43.2					<ol> <li>Area expanded (ha):-112</li> <li>No. of farmers adopted (no.): 19</li> <li>% change in knowledge:83.8</li> <li>% change in production</li> <li>% change in Income</li> </ol>

Table 5.6 Evaluation/Follow u	p & Impact of the training programs	nes conducted by the KVK (all types of trainings)

Deogarh	Integrated Farming System	25	31.2	65.5	1. Area expanded (ha):-42. No. of farmers adopted (no.): 43. % change in knowledge:109.94. % change in production5% change in Income
Deogarh	Improved cultivation practices of rabi oilseeds crops	25	23.8	45.6	1. Area expanded (ha):-272. No. of farmers adopted (no.): 123. % change in knowledge:29.14. % change in production5 % change in Income
Deogarh	Improved cultivation practices of rabi groundnut cultivation	25	23.9	46.7	1. Area expanded (ha):-22         2. No. of farmers adopted (no.): 17         3.% change in knowledge:89.1         4.% change in production         5       % change in Income
Deogarh	Improved cultivation practices for rabi pulse cultivation	25	32.2	48.2	1. Area expanded (ha):-232. No. of farmers adopted (no.): 163. % change in knowledge:59.14. % change in production5% change in Income
Deogarh	Improved cultivation practices for rabi oilseeds cultivation	25	25.8	34.1	1. Area expanded (ha):-322. No. of farmers adopted (no.):143.% change in knowledge:75.04.% change in production5% change in Income
Deogarh	Integrated Farming System	25	24.9	36,8	1. Area expanded (ha):-32. No. of farmers adopted (no.): 033. % change in knowledge:56.94. % change in production5% change in Income

Deogarh	Production technology for field crops	10	41.5	73.2	1. Area expanded (ha):-872. No. of farmers adopted (no.): 63. % change in knowledge:76.44. % change in production5 % change in Income
Deogarh	Nursery raising of off season vegetables	25	34.8	50.3	1. Area expanded (ha):-122. No. of farmers adopted (no.): 053. % change in knowledge:65.94. % change in production5% change in Income
Deogarh	Fertlizer mamagement in tomato	25	24.3	38.6	1. Area expanded (ha):-362. No. of farmers adopted (no.): 093. % change in knowledge:804. % change in production5% change in Income
Deogarh	Fertlizer mamagement in Chilli	25	21.7	36.9	1. Area expanded (ha):-532. No. of farmers adopted (no.): 173. % change in knowledge:76.44. % change in production5% change in Income
Deogarh	Fertlizer mamagement in onion	25	20.7	40.6	1. Area expanded (ha):-642. No. of farmers adopted (no.): 193. % change in knowledge:974. % change in production5% change in Income
Deogarh	Planting technique of sweet potato	25	18.3	26.7	1. Area expanded (ha):-242. No. of farmers adopted (no.): 133. % change in knowledge:74.54. % change in production5% change in Income

Deogarh	Fertlizer and cultural mamagement in sweet potato	25	23.6	44.5	1. Area expanded (ha):-282. No. of farmers adopted (no.): 163. % change in knowledge:65.94. % change in production5% change in Income
Deogarh	INM in tomato	25	23.6	45.7	1. Area expanded (ha):-54       2. No. of farmers adopted (no.): 05       3. % change in knowledge:89.6       4. % change in production       5     % change in Income
Deogarh	INM in cauliflower	25	34.5	48.2	1. Area expanded (ha):-65         2. No. of farmers adopted (no.): 18         3. % change in knowledge:69.0         4. % change in production         5 % change in Income
Deogarh	Post harvest management in sweet orange	25	13.2	31.4	1. Area expanded (ha):-352. No. of farmers adopted (no.): 163. % change in knowledge:120.84. % change in production5% change in Income
Deogarh	Cultural practices in mango orchard	25	15.4	35.8	1. Area expanded (ha):-852. No. of farmers adopted (no.): 163. % change in knowledge:110.84. % change in production5% change in Income
Deogarh	Introduction of horticulture based farming ststem	25	21.5	39.6	1. Area expanded (ha):-122. No. of farmers adopted (no.): 053. % change in knowledge:854. % change in production5% change in Income

					1. Area expanded (ha):-45
	Fertlizer				2. No. of farmers adopted (no.)15
Deogarh	mamagement in	25	23.8	34.6	3.% change in knowledge:66.4
	onion				4.% change in production
					5 % change in Income
					1. Area expanded (ha):-8
	Nursery management				2. No. of farmers adopted (no.):8
Deogarh	of fruit crops	15	23.7	45.1	3.% change in knowledge:92.0
	······································				4.% change in production
					5 % change in Income
					1. Area expanded (ha):-48
	Methodology of				2. No. of farmers adopted (no.):12
Deogarh	rejuvenation of old	10	24.3	36.2	3.% change in knowledge:62.3
	litchi orchard				4.% change in production
					5 % change in Income
	Technique of seed				1. Area expanded (ha):-25
	and soil treatment by				2. No. of farmers adopted (no.): 17
Deogarh	pesticides and	25	32.6	78.1	3.% change in knowledge:139.6
	biocides				4.% change in production
					5 % change in Income
					1. Area expanded (ha):-30
	Pest and disease				2. No. of farmers adopted (no.): 11
Deogarh	management in	25	24.8	45.6	3.% change in knowledge:83.9
	cucurbits				4.% change in production
					5 % change in Income
					1. Area expanded (ha):-85
	Control of yellow	_			2. No. of farmers adopted (no.): 19
Deogarh	stem borer in rice	25	12.6	34.4	3.% change in knowledge:63.4
					4.% change in production
					5 % change in Income

Deogarh	Control of blast disease in rice	25	35.66	62.5	<ol> <li>Area expanded (ha):-45</li> <li>No. of farmers adopted (no.): 12</li> <li>% change in knowledge:75.2</li> <li>% change in production:80%</li> <li>% change in Income:75%</li> </ol>
Deogarh	Control of brown plant hoper in rice	25	22	33.3	<ol> <li>Area expanded (ha):-42</li> <li>No. of farmers adopted (no.): 8</li> <li>% change in knowledge:51.3</li> <li>% change in production:55%</li> <li>% change in Income:50%</li> </ol>
Deogarh	Control of sheath blight disease in rice	25	33.3	43	<ol> <li>Area expanded (ha):-25</li> <li>No. of farmers adopted (no.): 7</li> <li>% change in knowledge:29.1</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Control of wilt disease in solaneceous vegetables	25	24.9	45.7	<ol> <li>Area expanded (ha):-45</li> <li>No. of farmers adopted (no.): 11</li> <li>% change in knowledge:90.8</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Control of Diamond Back Moth in cabbage	25	34.5	49.3	<ol> <li>Area expanded (ha):-22</li> <li>No. of farmers adopted (no.):13</li> <li>% change in knowledge:45.9</li> <li>% change in production</li> <li>% change in Income</li> </ol>
Deogarh	Control of dieback in sweet orange	25	28.4	36.9	<ol> <li>Area expanded (ha):-38</li> <li>No. of farmers adopted (no.): 14</li> <li>% change in knowledge:45.6</li> <li>% change in production</li> <li>% change in Income</li> </ol>

Deogarh	Pest and disease management in vegetables like cucurbits, brinjal, okra and beans	25	32.4	42.1	1. Area expanded (ha):-582. No. of farmers adopted (no.): 173. % change in knowledge:3504. % change in production5 % change in Income
Deogarh	Integrated pest and diseases management in oil seed crops like groundnut, sesamum and mustard	25	25.9	35.6	1. Area expanded (ha):-652. No. of farmers adopted (no.): 153. % change in knowledge:404. % change in production5% change in Income
Deogarh	Integrated pest and diseases management in pulse crops like arhar, greengram and blackgram	25	32.2	47.8	1. Area expanded (ha):-642. No. of farmers adopted (no.): 73. % change in knowledge:55.84. % change in production5% change in Income
Deogarh	Apiculture for income generation	15	20	67	1 Area expanded (ha):-2 No. of farmers adopted (no.): 023 % change in knowledge:2354 % change in production5 % change in Income
Deogarh	Non conventional method of pest and disease control in Rice	10	20.3	52	1 Area expanded (ha):-202 No. of farmers adopted (no.): 043 % change in knowledge:250.04 % change in production5 % change in Income
Deogarh	Use, operation and care during operation of plant protection equipment	25	12.3	19.3	1. Area expanded (ha):-2. No. of farmers adopted (no.): 123. % change in knowledge: 56.94. % change in production5. % change in Income

Deogarh	Use of rotavator for primary and secondary tillage	25	25.4	46.3	1. Area expanded (ha):- 262. No. of farmers adopted (no.): 183. % change in knowledge:82.34. % change in production5. % change in Income
Deogarh	Use and operation of self propelled rice transplanter	25	33.1	65.6	1. Area expanded (ha):- 432. No. of farmers adopted (no.): 223. % change in knowledge:98.24. % change in production5. % change in Income
Deogarh	Use and operation of Cono weeder in SRI	25	21.4	48.5	1. Area expanded (ha):-         2. No. of farmers adopted (no.): 03         3. % change in knowledge:126.6         4. % change in production         5. % change in Income
Deogarh	Use and operation of seed drills and planters	25	23.5	43.2	1. Area expanded (ha):- 52. No. of farmers adopted (no.): 123. % change in knowledge:83.84. % change in production5. % change in Income
Deogarh	Use and operation of fertilizer broadcaster	25	31.2	65.5	1. Area expanded (ha):- 132. No. of farmers adopted (no.): 103. % change in knowledge:894. % change in production5. % change in Income
Deogarh	Engineering measures for conservation of soil and water	15	41.5	73.2	1. Area expanded (ha):-2. No. of farmers adopted (no.): 053. % change in knowledge:76.44. % change in production5. % change in lncome

Deogarh	Use and operation of paddy reaper	10	32.6	78.1	1. Area expanded (ha):-2. No. of farmers adopted (no.): 103. % change in knowledge:99.64. % change in production5. % change in Income
Deogarh	Use and operation of paddy thresher	25	25.4	46.3	1. Area expanded (ha):-2. No. of farmers adopted (no.): 023. % change in knowledge:82.34. % change in production5. % change in Income
Deogarh	Use, operation and maintenance of power sprayer	25	33.1	65.6	1. Area expanded (ha):-2. No. of farmers adopted (no.): 193. % change in knowledge:98.24. % change in production5. % change in Income
Deogarh	Irrigation management moisture conservation on fruit crops	25	21.4	48.5	1. Area expanded (ha):-2. No. of farmers adopted (no.): 033. % change in knowledge:126.64. % change in production5. % change in Income
Deogarh	Use and operation of rotary peg weeder in ground nut	25	23.5	43.2	1. Area expanded (ha):-2. No. of farmers adopted (no.): 193. % change in knowledge:83.84. % change in production5. % change in Income
Deogarh	Use and operation of modern agricultural implements for increasing production and income generation	25	32.6	78.1	1. Area expanded (ha):- 2. No. of farmers adopted (no.): 12 3. % change in knowledge:139.6 4. % change in production 5. % change in Income
Deogarh	Use, operation of horticultural tools and implements	15	24.8	45.6	1. Area expanded (ha):-2. No. of farmers adopted (no.): 043. % change in knowledge:83.94. % change in production5. % change in Income

Deogarh	Use, operation and care during operation of plant protection equipment	10	28.6	47.3	1Area expanded (ha):-2No. of farmers adopted (no.): 53% change in knowledge:46.704% change in production5% change in Income
Deogarh	Agro-based enterprises for SHGs	10	22.5	33.6	1. Area expanded (ha):-         2. No. of farmers adopted (no.): 8         3. % change in knowledge:50.0         4. % change in production         5. 5 % change in lncome
Deogarh	Organisation of farmer's club	25	25.2	46.1	1. Area expanded (ha):-2. No. of farmers adopted (no.): 73. % change in knowledge:62.04. % change in production5. 5 % change in Income
Deogarh	Farming system approach for more profit	15	29.6	50.2	1. Area expanded (ha):-62. No. of farmers adopted (no.): 43. % change in knowledge:70.54. % change in production5. 5 % change in lncome
Deogarh	Farmer's associations for agriculture development	25	35.6	67.8	1. Area expanded (ha):-2.52. No. of farmers adopted (no.): 133. % change in knowledge:61.54. % change in production5. 5 % change in Income
Deogarh	Composite pisciculture	25	14.5	30.5	1. Area expanded (ha):-252. No. of farmers adopted (no.): 63. % change in knowledge:90.14. % change in production5. 5 % change in Income

Deogarh	Ornamental psiculture	15	10.0	22.5		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 7</li> <li>% change in knowledge:110.0</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Preparation of supplementary food for children	25	15.7	30.2		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 9</li> <li>% change in knowledge:100.0</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Value addition of Mango	25	18.8	35.6		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.):</li> <li>% change in knowledge:99.7</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Planning and layout of kitchen garden	25	23.9	38.7		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 9</li> <li>% change in knowledge:62.1</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Cultivation of Paddy straw mushroom	25	45.8	78.5		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 18</li> <li>% change in knowledge:83.8</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Cultivation of Paddy straw mushroom	25	47.2	75.6		<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 16</li> <li>% change in knowledge:70.2</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>

Deogarh	Minimization of loss of nutrient during cooking	25	25.5	46.8	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 8</li> <li>% change in knowledge:96.1</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Scientific method of nursery management	25	23.7	45.8	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 10</li> <li>% change in knowledge:108.7</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Value addition of Lemon	25	37.8	56.5	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 12</li> <li>% change in knowledge:51.5</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Cultivation of oyster mushroom	25	45.8	72.6	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 16</li> <li>% change in knowledge:64.1</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Cultivation of oyster mushroom	25	42.5	75.6	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 18</li> <li>% change in knowledge:79.6</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Value addition of tomato	25	34.3	58.7	<ol> <li>Area expanded (ha):-2.5</li> <li>No. of farmers adopted (no.): 9</li> <li>% change in knowledge:76.8</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>

Deogarh	Value addition of Lemon	25	40.8	62.7	1. Area expanded (ha):-2.52. No. of farmers adopted (no.): 73. % change in knowledge:58.24. % change in production5. 5 % change in Income
Deogarh	Deworming of kids	25	21.5	38.8	1. Area expanded (ha):-2. No. of farmers adopted (no.): 83. % change in knowledge:84.84. % change in production5. 5 % change in Income
Deogarh	Rearing management of chicks	25	23.5	37.4	1. Area expanded (ha):-2. No. of farmers adopted (no.): 53. % change in knowledge:61.64. % change in production5. 5 % change in Income
Deogarh	Goatary management	15	22.4	39.5	1. Area expanded (ha):-2. No. of farmers adopted (no.): 43. % change in knowledge:93.74. % change in production5. 5 % change in Income
Deogarh	Preparation and use of vermin-compost	15	28.5	46.7	<ol> <li>Area expanded (ha):-</li> <li>No. of farmers adopted (no.): 8</li> <li>% change in knowledge:64.6</li> <li>% change in production</li> <li>5 % change in Income</li> </ol>
Deogarh	Preparation of low cost supplementary food for children	10	27.4	42.8	1. Area expanded (ha):-2. No. of farmers adopted (no.): 53. % change in knowledge:66.44. % change in production5. 5 % change in Income

# 6. EXTENSION ACTIVITIES

Name of the KVK				Detail o	of Particip	pants				Remarks		
	Activity	No. of activities	No. of activities	Farmer		SC/ST (F	armers)	Exter				
		(Targeted)	(Achieved)	(Others				Officials		Purpose	Topic s	Crop Stages
				Μ	F	Μ	F	Μ	F			Stages
Deogarh	Field Day	10	10	230	70	170	30	22	3	Field day	Rice transplant er	Transplant ing
Deogarh	Kisan Mela	2	3	87	33	67	13	6	2	Awareness	Various schemes	
Deogarh	Kisan Ghosthi	1	1	20	0	5	0	2	0	Unity		
Deogarh	Exhibition	2	3	Mass								
Deogarh	Film Show	30	49	460	250	290	100	16	4	CD show	44CD	All stages
Deogarh	Method Demonstrations	2	2	38		22		6		Skill		Transplan ting
Deogarh	Farmers Seminar	1		35	2	10	3	4	1			
Deogarh	Workshop	2	2	12	4	6	2	15	6	Awareness		
Deogarh	Group meetings	30	36	165	30	55	62	17	3	Awareness	All crops	All stages
Deogarh	Lectures delivered as resource persons	25	28	480	60	165	50	16	4	Transfer of technology		
Deogarh	Newspaper coverage	2	2	Mass						Awareness	All crops	All stages
Deogarh	Radio talks	2	3	Mass						Awareness	Maize, Cucurbits	All stages
Deogarh	TV talks	2	2	Mass								
Deogarh	Popular articles	2	2	Mass						Transfer of technology		
Deogarh	Extension Literature	2	2	Mass								

Name of the KVK				Detail o	f Particip	pants					Remarks	
	Activity	No. of activities	No. of activities	Farmer		SC/ST (F	armers)	Exten				
		(Targeted)	(Achieved)	(Others)				Officials		Purpose	Topic s	Crop
				Μ	F	Μ	F	Μ	F			Stages
Deogarh	Farm advisory Services	40	42	172	28	132	28			Transfer of technology	All crops	All stages
Deogarh	Scientific visit to farmers field	70	85	320	45	96	15	22	1	Transfer of technology	All crops	All stages
Deogarh	Diagnostic visits	40	48	152	21	92	24	12	5	Transfer of technology	All crops	All stages
Deogarh	Exposure visits	1	3	70		12				Awareness		
Deogarh	Ex-trainees Sammelan	2	3	62	6	18	4	7	1	Awareness		
Deogarh	Soil health Camp											
Deogarh	Animal Health Camp	1	1		42		8	2	1			
Deogarh	Soil test campaigns	2	2	48	12	22	8			Nutrient status		
Deogarh	Farm Science Club conveners meet	5	7	115	10	30	15	12	2	Awareness		
Deogarh	Self Help Group conveners meetings	1	1		32		18	1	2	Awareness		
Deogarh	Mahila Mandals conveners meetings	1	1		28		22	0	2	Awareness		
Deogarh	Celebration of important days	2	2	40	35	10	15	5	3	Awareness		

# 7. Literature Developed/Published (with full title, author & reference)

A) KVK News Letter ((,etc.)

KVK Name	Date of start	Periodicity	1	Number of copies printed	Number of copies d	istributed
Deogarh	01/04/2011	Quarterly		2100		2100
(B) Lite	erature developed/published					
KVK Name	Туре	Title		Authors name		Number of copies
Deogarh	Booklet	-		-		-
Deogarh	Research Paper	Integerated Farming system mono-cropping	n-an alternative to	S.K. Nath and K.C.Barik, Ag	ricultural Extension review	Mass
Deogarh	Popular Article	Biogas production and order	reduction	M. K. Mohnaty D. K. mohnaty	Mass	
Deogarh	Popular Article	Kharif rutu re chinabadam ch	asa	S. K. Nath and K. C. Barik		Mass
Deogarh	Popular Article	Nursery management		S. K. Sahu	Mass	
(C) De	etails of Electronic Media P	roduced				
KVK Name	Type of media Cassette)	(CD / VCD / DVD / Audio-	Title of the progr	ramme	Number	
Deogarh		DVD	Self propelled ric	e transplanter	00	

# 8. Production and supply of Technological products

### 8.1 Seed Production

KVK Name	Major group/class	Сгор	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
Deogarh	Cereals							
Deogarh	Cereals							
Deogarh	Pulses	Pigeonpea	Asha	SD	1.93			
Deogarh	Fruits							
Deogarh	Oil seed							
Deogarh	Oil seed							
Deogarh	Vegetables							
Deogarh	Others							

### 8.2 Planting Material production

	Major group/class	Name	Date of sowing	Date of harvest	Area	Details of production			Amount (R	s.)	
KVK Name		of the crop			(ha)		Type of	Qty.	Cost of	Gross	Remarks
		or the erop	50 Wing	1101 ( 050	(IIII)		Produce	Qty.	inputs	income	
Deogarh	Seedlings	Tomato	08.06.2011			BT-10, Utkal Raja	Seedlings	25782	4000	9024	
Deogarh	Seedlings	Brinjal	12.06.2011			Tarini	Seedlings	2550	700	1275	
Deogarh	Seedlings	Cauliflower	1810.2011			Girija	Seedlings	9900	4200	6930	
Deogarh	Seedlings	Cabbage	20.10.2011			Disha	Seedlings	7200	1400	3600	
Deogarh	Seedlings	Chilli	15.06.2011			Utkal Ava	Seedlings	6000	1200	3000	

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

	KWK Nama			Amount (Rs.)		
KVK Name	Name of the Product	Qty	Cost of inputs	Gross income	Remarks	
D	eogarh	BIOAGENTS(Earthworm)	21.6 kg	1200	21650	
D	eogarh	<b>BIOFERTILIZERS</b> (Vermicompost)				
	Deogarh	<b>BIO PESTICIDES</b>				

### 8.4 Livestock and fisheries production

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

#### 9. Activities of Soil and Water Testing Laboratory: Not established

:

:

Year of establishment

9.1 List of equipments purchased with amount

KVK Name	Name of the Equipment	Qty.	Cost
Deogarh			

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

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Deogarh	NPK status	35	35	8	Nil

## **10.** Rainwater Harvesting: Not completed

## Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of	Date	Title of the training course	No. ofNo ofCoursesDemonstrations		Client (PF/RY	No. of planting material produced	No of Officials/extension	No. of farmers visitors including SC/ST		No. of SC/STParticipants			
KVK					/EF)		persons Visited	Mal e	Femal e	Tota 1	Mal e	Female	Tot al
Deogarh													

**11. Utilization of hostel facilities** 

A	ccommodation a	available (No	b. of beds) : Under construction					
				Duration of	No. of	Trainee	Deegen for shout fall	
KVK Name Months		Year	Title of the training course	training		days (days stayed)	Reason for short fall (if any)	
Deogarh								

## 12. Utilization of Staff Quarters facilities: Under construction

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

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Deogarh	20.07.11		<ol> <li>Trainings, awareness programmes on proper composting methods should be taken up by KVK.</li> <li>Selective crops as per demand of the farmer's situation should be included in the IFS programmes.</li> <li>Training titles should be situation and time specific. They should be designed according to the need of farmers.</li> <li>Refinement in the OFT programme on sprouted seeds should be taken up to assess the reduction in yield.</li> <li>Field day of all FLD and OFT programmes must be taken up in the critical periods inviting the farmers and extension functionaries.</li> <li>The SMS (Ag. Extn.) should conduct fishery training programmes inviting the officers of district fishery deptt. He may invite SMS (fishery), KVK, Keonjhar if necessary.</li> <li>SMS (PP) should take up the border crop in fruitfly management in watermelon in his OFT programme.</li> <li>N-53 should be substituted by AFDR/ Bhima super in all the onion programmes.</li> <li>SMS (WIA) should explore possibilities of inclusion of various low cost onion storage programmes in her activities.</li> <li>In all Nutrient management programmes deficiency of micro-nutrients should be studied.</li> <li>New varieties of sweet orange should be introduced in the district through horticulture programmes in coordination with dist. Horticulture deptt.</li> <li>Besides yield, other parametrs like bio-metric observations and farmers preference and feed back should be recorded for all OFT and FLD programmes.</li> <li>AFLR should be promoted in the district during kharif period by SMS(Hort)</li> <li>Kharif tomato programmes should be popularised by KVK.</li> <li>In nutritional garden programme, crops should be selected keeping in view of farmers' preference, need and food security.</li> <li>Deworming of kids should be under extension activities.</li> <li>Comparision between Banaraja and Gramapriya should be taken up in backyard under OFT programme.</li> <li>Shoot borer in mango should be tak</li></ol>

## 13. Details of SAC Meeting

14.	<b>Status of Kisan</b>	<b>Mobile Advisory</b>	(KVK-KMA)
		1110011011001	

KVK Name	No. of messages sent	No. of benefi	ciary	Major recommendations
		Farmers	Ext. Pers.	
Deogarh	124	352	24	<ul> <li>Green manuring</li> <li>HYV rice</li> <li>Kharif vegetables</li> <li>SRI method of rice cultivation, Mushroom</li> <li>Blast, Leaf folder, BPH of rice</li> <li>Blast, Leaf folder, BPH of rice</li> <li>Sunflower cultivation</li> <li>Wilting in solanaceous crops</li> <li>Fruit and shoot borer in Brinjal</li> <li>IPM in cole crops</li> <li>IPM in cole crops</li> <li>Quality maintain Watermelon</li> </ul>

## 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
Deogarh	ATMA	Centre-state	2,22,000	Framers-scientist interaction, Farmers participatory research, Interstate exposure visit, Preparation of CD and apiculture unit	Deogarh district	Activities under progress
Deogarh	MNREGA					
Deogarh	NHM					
Deogarh	RKVY					
Deogarh	DRDA					
Deogarh	Zila Panchyat					
Deogarh	Seed village					
Deogarh	NAIP					
Deogarh	Climate Change					
Deogarh	Others (Plz. Specify)					

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

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Deogarh	30442362646	34986	20666	14475(stock in hand)

\* Rs. 30136.00 is deposited to the DEE, OUAT, Bhubaneswar vide ch. No.-420211, dated 30.06.2011 and Rs. 50000.00 is deposited to the DEE, OUAT, Bhubaneswar vide ch. No.-420215, dated 31.03.2012

## 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Deogarh	Best farmer award	Farmer	OUAT	
Deogarh	Best farmer award	Farmer	Mango Motsav, District Horticulture department	
Deogarh	Best farmer award	Farmer	Mango Motsav, District Horticulture department	
Deogarh	Best farmer award	Farmer	Mango Motsav, District Horticulture department	
Deogarh	Best farmer award	Farmer	Mango Motsav, District Horticulture department	
Deogarh	Best farmer award	Farmer	Mango Motsav, District Horticulture department	

#### 18. Case study and Success Story – Two best only in the following format

#### **TITLE - Success Story of Jagannath Pradhan :**

#### A Successful Sweet Orange grower

### **Introduction/ Background :**

Jagannath Pradhan is a farmer of village Khilabarani, Block - Reamal situated 60 kms away from Deogarh district headquarter. He has 5 acres of sweet orange orchard with low bearing, low productivity and fruits with sour taste. Being from a farmer's family he wanted to be a successful agro-entrepreneur in sweet orange cultivation.

#### **Intervention:**

After listening about Krishi Vigyan Kendra activities, he went there, interacted with the scientist and invited them to visit his village. The KVK scientist visited his farm and found that the orchard was unproductive, improper management of nutrition, infected with die back and fruit sucking moth. The intervention suggested by the scientist to him proper management of nutrition, use of micronutrients, IPDM practices to come over the problem. These problems are included in different OFT and FLD programmes and the technologies were provided to him. Our effort, transformed his unproductive orchard to wholesome greenery with bumper crop of Sweet Orange.

#### **Output:**

He harvested about 690q of Sweet orange fruits. Merchants from Angul, Cuttack and Bhubaneswar rushed to him to purchase the sweet balls. His net return from 2 ha. of Sweet orange orchard comes to Rs.3,20,500/.

#### **Outcome-Diffusion**

Being inspired by the success of the enterprise, more farmers from his and nearby villages have followed INM and IPDM practices and rushed to the KVK for technology transfer through training, OFT & FLD. KVK, Deogarh has documented the success and has developed plan to promote the technology in the other parts of the district.

## Impact – Social, Economical and Technological

Increase in area (ha)	: 52 Ha.
<b>Production</b> (q)	: 17940
Productivity (q/ha)	: 345
Income (Rs)	: 8333 000.00
Employment (Mandays)	: 3550
Assets	: Mobile phone, Two wheeler, Four wheeler
Social status	: Member of farmer's club
Lesson learned	: Improved cultivation practices like timely training and pruning, recommended fertilizer application, application of micronutrients and proper plant protection measures

## **Conclusion:**

Now he is a happy man and developed a spirit that a man can be self employed from sweet orange cultivation if he has interest and will power.



**RESULT OF KVK INTERVENTION** 

#### Title - A Successful Litchi entrepreneur Digamber Garnayak

#### **Introduction/ Background :**

Digamber Garnayak is a farmer of 40 years belonging to village Kureibahal of Tileibani block, Deogarh district. He has 5 acres of litchi orchards. His annual income was only Rs. 80,500/- from his existing litchi orchard . He faced problems such as fruit cracking, low yield, improper management of orchard and low nutrition input to litchi plants.

#### Intervention:

His interest & enthusiasm dragged him to corridors of Krishi Vigyan Kendra, Deogarh. He interacted with the scientist about his cultivation, problems and invited scientists to visit his orchard. The scientist of KVK visited his orchard and surprised to find the natural water source flowing nearby. The soil was loamy sand with undulating topography. The intervention suggested by the scientist for proper INM practices, use of micronutrients like boron and zinc according to soil test report and use of black polythene mulch to reduce fruit cracking. This was included in the OFT and FLD programme along with training programme for capacity building. The skill of application of PMS with INM, IPM module and polythene mulching was demonstrated to him with emphasis on "learning by doing". A diesel pump was purchased by him with our effort, transformed his low productivity orchard to high productivity orchard. Intercultural operation was performed in the orchards after harvesting of litchi by power tiller, which he possessed after advice of KVK scientists. Now his orchard is totally clean around the year and this orchard become a suitable place for exposure visit of interested farmers.

#### **Output:**

He harvested about 130q of litchi. Merchants from Sambalpur, Anugul, Rourkela and Jharsuguda purchased the queen of fruits from his orchard. His net returns from 2 ha. of litchi orchards comes to Rs.3,55,780/.

#### **Outcome-Diffusion**

Farmers of the nearby villages visiting to his orchard and delighted by seeing the good quality bumper produce along with well maintained orchard. The consumers and middle men involved in marketing of the produce also enquired regarding the production technology and some of them were interested to take up the technology.

Impact – Social, Economical and Technological				
: 32 Ha.				
: 2080				
: 65				
: 5692480				
: 3332				
: Mobile phone, Two wheeler, Power tiller				
: Member of litchi grower association				
: Improved cultivation practices like use of polythene mulching, application of PMS with INM and IPM module.				

#### Impact – Social Economical and Technological

#### **Conclusion:**

The feedback from the merchants he received through his cell phone no 09438679189 his endeavour has brought laurels for his village for which he was felicitated as a successful agro entrepreneur by Hon'ble Chief Minister, Orissa on 47<sup>th</sup> Foundation Day of Orissa University of Agriculture and Technology.

#### PHOTOGRAPHS ON LITCHI



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

Name of KVK	Name of Component of Park	Detail Information (If established)
Deogarh	Crop Cafeteria	Herbal garden (Indigenous medicinal plants), Tomato (Utkal Kumari, Utkal Dipti, Utkal Raja, Avinash hybrid), Mango (Amrapalli, Langda, Bambay green, Mallika), Maize (Novjot, HQPM,Hybrid, Sweet corn, Baby corn)
Deogarh	Technology Desk	Poly house, Vermi composting, Api culture unit, Ornamental pisciculture
Deogarh	Visitors Gallery	Not established
Deogarh	Technology Exhibition	Not established
Deogarh	Technology Gate-Valve	Not established

## **20. Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	Remarks
Deogarh	Prof. R. K. Raj, Joint Director, DEE,OUAT	20.07.11	For SAC meeting
Deogarh	Shri B. K. Sar, D.D.A., Deogarh	05.05.11	For discussion of the ongoing programmes
Deogarh	Prof. P. Mohanpatra, Head, Vegetable sciences, OUAT, Bhubaneswar	20.07.11	Farmers-scientist interaction
Deogarh	Shri R.C. Sahu,AGM, NABARD	25.04.11	Discussion on functioning of farmer's club
Deogarh	Dr. Om Prakash, Consultant, NHM	20.06.11	Visit of the KVK

21. Status of KVK Website: Established

## 22. E-CONNECTIVITY: Not established

Name of KVK			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

## 24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants

Animal health camps organised

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 distributed

Name of KVK	Crops	Quantity (No.s)		Number of farmers					
Seedlings									
Deogarh									
Bio-control Agents	•	•	•	·					

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

#### (e) Bio-Fertilizer

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

#### (f) Verms Produced

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

(g) Large scale adoption of resource conservation technologies

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

(h) Awareness campaign

Name of KVK	Meetings		Gosthies Field da		lays Farmers fair I		Exhibition		Film show			
	No.	No. of	No.	No. of	No.	No. of	No.	No. of	No.	No. of farmers	No.	No. of farmers
Deogarh	2	farmers 200		farmers		farmers	1	farmers 100			4	200

25. Status of KVK Website: Already having website

If available, please provide the address of website: www.kvkdeogarhzpdvii.org.in

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