

ANNUAL PROGRESS REPORT
APRIL 2016 TO MARCH 2017
KVK, DEOGARH, ODISHA

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Instructions for Filling the Format

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Grey color cells in summary table need not to be filled.**
- 13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
Fruits :- Mango, Guava, Custard apple, Pear etc.
Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.**

REPORTING PERIOD – April 2016 to March 2017

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2016-17

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT			
	On Going OFT			
	Technologies assessed (Completed OFT)	06	37	
	Technologies refined			
	On farm trials conducted			
2	Frontline demonstrations			
	Proposed Frontline demonstrations			
	On Going Frontline demonstrations			
	FLDs conducted on crops	10	100	
	Area under crops (ha.)			
	FLD on farm implement and tools			
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)			
	FLD on Fisheries - Finger lings			
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)			
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)			
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	36	36	900
	Farm women			
	Rural youth	3	6	45
	Extension personnel/ In service	6	12	60
	Vocational trainings	3	12	30
	Sponsored Training	3	12	90
	Total	51	78	1125
		No. of programmes	Participants	
4	Extension Programmes	1127	3918	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	2.52	-	
	Planting material produced (nos.)	46361		
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffelo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)			
	Poultry-Eggs (nos.)			
	Ducks (nos.)			
	Chicks etc. (nos.)			

7	Bio Products	Qty	Beneficiaries (nos.)	
	Bio Agents -Earth worm (Kg.)			
	Trichoderma (kg.)			
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	1000 kg	-	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)			
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries	
	Award (Best KVK award and scientist and farmer's award)			
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)			
	KVK News letter	01	-	
	SAC Meetings conducted	01	25	
	Soil sample tested	136	1051	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	47	11854	
	Convergence programmes			
	Sponsored programmes	03	90	
	KVK Progressive Farmers interaction			
	No. of Technology Week Celebrations			
	Attended HRD activities organized by ZPD	02	02	
	Attended HRD activities organized by DES			
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)			
9	Current status of Revolving Funds (Amt. in Rs.)		0	
10		No. of blocks	No. of villages	
	Outreach of KVK in the District	03		
11		ICAR	SAU	Others
	No. of important visitors to KVK (nos.)		01	06
12		Working (Yes/No)	No. of Update	
	Status of KVK Website	Yes	22	
13		Application received	Application disposed	
	Status of RTI (nos.)			
14		Query received	Query dissolved	
	Citizen Charter (nos.)			
15		Working (Yes/No)	No. of programme viewed	
	E-connectivity			
16		Filled	Vacant	
	Staff Position	09	07	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)			
18	Publication received from ICAR /other organization (nos.)			
19		Particulars	Organization	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)			

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2017

Name of KVK	Sanctioned Posts	Senior Scientist & Head (1)		SCIENTIST (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Deogarh	16	1	-	6	2	3	2	6	5	16	9

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Deogarh	Programme Coordinator	Vacant								
Deogarh	Subject Matter Specialist1	Dr. Sukanta Kumar Sahoo	Horticulture	M.sc. (Hort.)	Horticulture	15600 – 39100 AGP-6000	23,070	19.07.2006	Permanent	Others
Deogarh	Subject Matter Specialist2	Sri Laba Soren	Plant Protection	M.sc. (Ag.)	Plant Pathology	15600 – 39100 GP-6000	20,590	24.12.2009	Permanent	ST
Deogarh	Subject Matter Specialist3	Vacant								
Deogarh	Subject Matter Specialist4	Vacant								
Deogarh	Subject Matter Specialist5	Vacant								
Deogarh	Subject Matter Specialist6	Vacant								
Deogarh	Programme Assistant	Sri Chinmaya Mishra	Soil Science	M.sc. (Ag.)	Soil Science	9300 – 39100 AGP-4200	9,710	28.12.2015	Contractual	General
Deogarh	Farm Manager	Vacant								
Deogarh	Computer Programmer	Sri Biswajit Pradhan	Computer	MCA	Computer	9300 – 39100 AGP-4200	14,530	21.07.2014	Permanent	OBC
Deogarh	Accountant / superintendent	Vacant								
Deogarh	Stenographer	Sri Benudhar Moharana		B.A.		5200-20200 GP- 2400	7,860	11.10.2006	Contractual	Others
Deogarh	Driver	Sri Ugreswara Pati		+2 Arts		5200-20200 GP- 1900	5,870	19.10.2016	Contractual	Others
Deogarh	Driver	Sri Gopinath Kuanr		10th		5200-20200 GP- 1900	5,420	20.07.2015	Contractual	SC
Deogarh	Supporting staff	Sri Dwijabar Behera		9th		4440-7440 GP- 1300	5,790	31.07.2008	Contractual	Others
Deogarh	Supporting staff	Sri Raghu Senapati		6th		4440-7440 GP- 1300	5,790	31.07.2008	Contractual	Others

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

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Deogarh	North-western Plateau	03	60	312164	73.07%	52,122(SC) 1,10,400(ST)	44,000	1.08 ha

District profile		Our people		Our agro climate		Our land	
No. of Sub-Division	1	Population	312164	Agroclimatic zone	North-western Plateau	Total Area	2781.66 sq km
No. of Tehsil	3	Males	158017	Latitude	21° 31' 53" N	Forest land	1560.22 sq. km
No. of Blocks	3	Females	154147	Longitude	84° 43' 2" E	Irrigated area (32.22%)	Kharif : 15,887 ha. Rabi : 8,425 ha
No. of G.P	60	Literacy Rate	73.07%	Average rainfall	1582.5 mm	Net sown area	66,800 ha
No. of Villages	774	Male:Female ratio	1000 : 976	Temperature	Max mean: 32.7°C Min mean : 19.25°C	Cropping intensity	189

Land utilization:

Sl. No.	Name of the Block	Cultivated Area				Paddy Area			
		High	Medium	Low	Total	High	Medium	Low	Total
1.	Tileibani	12,244	5,718	3,863	21,825	2,889	5,718	3,863	12,470
2.	Barkote	11,833	5,510	3,582	20,925	288	5,510	3,582	9,380
3.	Reamal	11,429	8,721	4,050	24,200	-	8,600	4,050	12,650
TOTAL		35,506	19,949	11,495	66,950	3177	19,828	11,495	34,500

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	Bangalimunda	2013	Tileibani	41	210	33
Deogarh	Sadhupalli	2014	Reamal	32	870	137
Deogarh	Akshyarapat	2014	Barkote	45	339	114
Deogarh	Majhipalli	2016	Tileibani	47	326	58
Deogarh	Nirgundipalli	2015	Tileibani	45	385	85

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

KVK Name	THRUST AREA
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 implementation 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

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Deogarh	65% of the soil is acidic	Secondary data collection, meeting and soil testing	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	70% of the area is rainfed	Group discussion, secondary data collection	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	74% of the total geographical area is covered under mountains, hills and dense forest	Group discussion, meeting, secondary data collection	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Lack of adoption of off-season vegetables	PRA, Group discussion, meeting, diagnostic visit	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Less crop diversification in uplands from rice to other crop	PRA, awareness campaign, Group discussion, meeting	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Lack of farm mechanization	PRA, Group discussion, meeting, Exhibition	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	No soil and water conservation measures and improper management of water	PRA, Group discussion, Field visit	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Lack of utilization of forest produce for income generating activities	PRA, Group discussion, meeting	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal

Deogarh	No agro based income generating activities of the SHGs	PRA, Group discussion, meeting`	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Heavy loss from the farming due to non adoption of IPDM measures	PRA, Kissan mela, meeting, Farmers seminar	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Adoption of old traditional varieties in pulses and oilseeds	PRA, Group discussion,FC meeting, Farmer-scientist interaction	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Absent of farmers organization	PRA, Group discussion, Field visit	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal
Deogarh	Non adoption of high value crops by the farming community	PRA, Group discussion, meeting, diagnostic field visit	Villages – Kailash, Kalchipada Adyapur, Butiadiha and Sadhupalii and Blocks – Tileibani, Barkote and Reamal

2. On Farm Testing (OFT)

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.
- Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- Don't press enter key to navigate among column use arrow or tab key
- don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under trail.
- If crop has been not yet harvested, mark it * on that

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	
Deogarh	2016	Kharif	Low yield and return due to cultivation of traditional variety	Assessment of different onion varieties in kharif season	Assessment	Varietal evaluation	Onion	Rainfed upland, Sandy loam soil	7	152	202	213	88600	143900	157100	
Deogarh	2016, 2017	Kharif	Upland rice not remunerative and tomato cultivation in a traditional way without	Assessment of integrated crop management of kharif tomato in group	Assessment	Integrated Crop Management	Tomato	Up land, Rainfed	5	108	145	T ₃ - 172 T ₄ -	57000	104500	T ₃ - 145000 T ₄ - 157000	

			proper management practices in some patches	approach								180				
Deogarh	2016-17, 2017-18	Rabi	Fruit cracking and fruit borer attack leads to low yield and return	Assessment of integrated approach for quality fruit production of litchi	Assessment	Integrated Crop Management	Litchi	Irrigated, Upland	4	42	50	T ₃ - 54.2 T ₄ - 58.8 T ₅ - 63.5	101400	125000	T ₃ -141000 T ₄ 162000 T ₅ 182500	
Deogarh	2016-17	Rabi	High labour cost and labour intensive process	Assessment of different weedcides in onion during rabi season	Assessment	Integrated Weed Management	Onion	Irrigated, Upland	7	240	305	290	65650	96700	87700	
Deogarh	2016-17	Rabi	Yellowing & downward curling and drying of leaves and act as the vector of tomato leaf curl disease leads to reduced in yield	Assessment of IPM against white fly in tomato in kharif season	Assessment	Integrated pest management	Tomato	Rainfed, Soil sandy loam	7	265	286	342	76700	84800	108600	
Deogarh	2016-17	Rabi	Milkwhite cauliflower curds to develop superficial discolored spots that renders the disease damage heads unmarketable	Assessment of IDM against downy mildew in cauliflower	Assessment	Integrated Disease Management	Cauliflower	Irrigated, Upland	7	212	248	286	63200	78300	91400	

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
deogarh	Assessment of different onion varieties in kharif season	Yield	152	202	93800	98500	98500	182400	242400	255600	88600	143900	157100	1.94	2.46	2.59
deogarh	Assessment of integrated crop management of kharif tomato in group approach	Yield	108	145	105000	113000	T ₃ -113000 T ₄ -113000	162000	217500	T ₃ -258000 T ₄ -270000	57000	104500	T ₃ -145000 T ₄ -157000	1.54	1.92	T ₃ -2.28 T ₄ -2.39
deogarh	Assessment of integrated approach for quality fruit production of litchi	Yield	42	50	108600	125000	T ₃ -130000 T ₄ -132000 T ₅ -135000	210000	250000	T ₃ -271000 T ₄ -294000 T ₅ -317500	101400	125000	T ₃ -141000 T ₄ -162000 T ₅ -182500	1.93	2.0	T ₃ -2.08 T ₄ -2.23 T ₅ -2.35
deogarh	Assessment of different weedicides in onion during rabi season	Yield	240	305	78350	86300	86300	144000	183000	174000	65650	96700	87700	1.84	2.12	2.02
deogarh	Assessment of IPM against white fly in tomato in kharif season	Yield	265	286	55800	58200	62400	132500	143000	171000	76700	84800	108600	2.37	2.46	2.74
deogarh	Assessment of IDM against downy mildew in cauliflower	Yield	212	248	42800	45700	48600	106000	124000	140000	63200	78300	91400	2.48	2.71	2.88

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

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

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

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

2.4 (B) Economic Performance Home Science OFT: (For Income Genration)

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

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

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

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

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

2.5 Feedback from KVK to Research System

Name of KVK	Feedback

3. Achievements of Frontline Demonstrations (FLD)

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

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

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
Deogarh	Cowpea	Varietal evaluation	Popularization of cowpea variety kashi kanchan in kharif season	FLD, training, farmer's meeting	7	27	12
Deogarh	Yam bean	Varietal evaluation	Popularization of yam bean variety rajendra mishri kanda -1	Group discussions, Night meetings, Video shows.	6	28	15
Deogarh	Banana	Varietal evaluation	Popularization of tissue culture banana variety grand naine	Vocational training, group meeting, demonstration	5	32	10
Deogarh	Watermelon	Integrated Nutrient Management	Popularization of Integrated Nutrient Management in watermelon	Vocational training, group meeting, demonstration	6	26	9
Deogarh	Rice	Integrated Pest management	Popularization of case worm and leaf folder management in rice	FLD, training, farmer's meeting	8	35	-
Deogarh	Tomato	Integrated Pest management	Popularization of management fruit borer in tomato	Group discussions, Night meetings, Video shows.	4	28	17
Deogarh	Mango	Integrated pest management	Popularization of fruit fly management in mango	Vocational training, group meeting, demonstration	8	32	8
Deogarh	Onion	Integrated disease management	Popularization of seedling damping off in onion	FLD, training, farmer's meeting, exhibition	5	29	11
Deogarh	Paddy	Nitrogenous fertilizer management	Effect of real time nitrogen management in rice by LCC	Group discussions, Night meetings, Video shows.	8	32	12
Deogarh	Paddy	Nutrient management	Effect of soil test based fertilizer application in rice	Vocational training, group meeting, demonstration	12	82	39
Deogarh	Tomato	Integrated nutrient management	Demonstration of organic in tomato	Vocational training, group meeting, demonstration	15	56	46
Deogarh	Cabbage	Integrated nutrient management	Demonstration on boron application in cabbage	Vocational training, group meeting, demonstration	5	17	18

Note-

- Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.
- *Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.
- *Don't press enter key to navigate among col use arrow or tab key
- *don't add space before or after statement within the table cell
- Kindly mention realistic estimated yield of your crop under Demonstration.
- If crop has been not yet harvested, mark it * on that

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Deogarh	2016	Kharif	Varietal evaluation	Popularization of sweet potato variety Kishan	Sweet potato	Kishan	1.0	108	142	31		9	1		10
Deogarh	2016	Kharif	Integrated nutrient management	Popularization of zinc application in sweet orange	Sweet orange	Nagpur santra	2.0	163	220	35			10		10
Deogarh	2016-17	Rabi	Varietal evaluation	Popularization of potato variety Kufri Surya	Potato	Kufri surya	1.0	128	232	81		10			10
Deogarh	2016-17	Rabi	Integrated nutrient management	Popularization of INM in Watermelon	Watermelon	Black Magic	1.0	258	345	34			10		10
Deogarh	2016	Kharif	Integrated Pest management	Popularization of IPM against fruit and shoot borer in brinjal	Brinjal	Tarini	1.0	210	282	34.29		9	1		10

Deogarh	2016	Kharif	Integrated disease management	Popularization of IDM against Fusarium wilt in chilli	Chilli	Siamhot	1.0	94	112	19.15		8	2		10
Deogarh	2016-17	Rabi	Integrated disease management	Popularization of integrated management of late blight in potato	Potato	Kufri jyoti	1.0	136	192	41.18		9	1		10
Deogarh	2016-17	Rabi	Integrated disease management	Popularization of IDM against Cercospora leaf spot in okra	Okra	Avantika	1.0	142	186	30.99		8	2		10
Deogarh	2016	Kharif	Integrated nutrient management	Popularization of zinc application in rice	Rice	Pooja	1.0	33.2	38.2	15		8	2		10
Deogarh	2016-17	Rabi	Integrated nutrient management	Popularization of lime and sulphur application in groundnut	Groundnut	Devi	1.0	14.5	18.5	28		10			10

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Deogarh	Popularization of sweet potato variety Kishan	Sweet potato	Yield	108	142	47200	57700	86400	127800	39200	70100	1.83	2.21
Deogarh	Popularization of zinc application in sweet orange	Sweet orange	Yield	163	220	102800	108400	195600	264000	92800	155600	1.90	2.44
Deogarh	Popularization of potato variety Kufri Surya	Potato	Yield	128	232	83500	87800	128000	185600	44500	97800	1.53	2.11

Deogarh	Popularization of INM in Watermelon	Watermelon	Yield	258	345	68300	77600	129000	172500	60700	94900	1.89	2.22
Deogarh	Popularization of IPM against fruit and shoot borer in brinjal	Brinjal	Yield	210	282	62400	74500	126000	169200	63600	94700	2.02	2.27
Deogarh	Popularization of IDM against Fusarium wilt in chilli	Chilli	Yield	94	112	56500	62800	94000	112000	37500	49200	1.66	1.78
Deogarh	Popularization of integrated management of late blight in potato	Potato	Yield	136	192	67500	72800	108800	153600	41300	80800	1.61	2.11
Deogarh	Popularization of IDM against Cercospora leaf spot in okra	Okra	Yield	142	186	59700	65000	142000	186000	82300	121000	2.38	2.86
Deogarh	Popularization of zinc application in rice	Rice	Yield	33.2	38.2	23500	25200	36520	42020	13020	16820	1.55	1.67
Deogarh	Popularization of lime and sulphur application in groundnut	Groundnut	Yield	14.5	18.5	37840	42600	59740	76220	21900	33620	1.58	1.79

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

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

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

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

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

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

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

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

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

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

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Deogarh	Sweet potato	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	2	Mass	
		Training for extension functionaries	1	10	
Deogarh	Sweet orange	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	2	Mass	
		Training for extension functionaries	1	10	
Deogarh	Potato	Field days	1	30	
		Farmers Training	1	25	

		Media coverage	2	Mass	
		Training for extension functionaries	1	10	
Deogarh	Watermelon	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	1	Mass	
		Training for extension functionaries	1	10	
Deogarh	Chilli	Field days	1	45	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Deogarh	Brinjal	Field days	1	40	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries	1	10	
Deogarh	Potato	Field days	1	40	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Deogarh	Okra	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	2	Mass	
		Training for extension functionaries	1	10	
Deogarh	Rice	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	2	Mass	
		Training for extension functionaries	1	10	
Deogarh	Groundnut	Field days	1	30	
		Farmers Training	1	25	
		Media coverage	1	Mass	
		Training for extension functionaries	1	10	

3.7 Details of FLD on crop hybrids.

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

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

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total

Thematic Areas for Training

CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

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 KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Deogarh	FW	OFC	HOF	Introduction of horticulture based farming system	1	1					11		14	
Deogarh	FW	OFC	HOV	Nursery raising off season Vegetables	1	1					9	16		
Deogarh	FW	OFC	HOV	Off season vegetable cultivation	1	1					15	8	2	
Deogarh	FW	OFC	HOV	Cultivation practices of Kharif tomato	1	1			2				23	
Deogarh	FW	OFC	HOT	Cultivation practices of Sweet Potato	1	1			4		4		16	1
Deogarh	FW	OFC	HOV	Cultivation practices of Cauliflower	1	1			1		16	4	3	1
Deogarh	FW	OFC	HOV	Cultivation practices of Cabbage	1	1					6		19	
Deogarh	FW	OFC	HOV	Integrated Nutrient management of Onion	1	1					12		13	
Deogarh	FW	OFC	HOF	Nutrient management of water melon	1	1			1		7		17	
Deogarh	FW	OFC	HOF	Cultural practices in Litchi orchards	1	1					2	22		1
Deogarh	FW	OFC	HOF	Cultural practices in Sweet orange orchards	1	1			4		8		13	
Deogarh	FW	OFC	HOF	Cultural practices in Mango orchards	1	1					7	13	3	2
Deogarh	RY	ONC	RY	Nursery raising of vegetables crops	1	2					7		8	
Deogarh	IS	ONC	IS	Protected Cultivation Technology	1	2			4		2		4	
Deogarh	IS	ONC	IS	Water management in Mango	1	2			1	1	2		5	1
Deogarh	FW	OFC	PLP	Technique of seed and soil treatment by pesticides and	1	1					18	7		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				biocides										
Deogarh	FW	OFC	PLP	Management of pest & diseases solanaceous vegetables	1	1					20	4	1	
Deogarh	FW	OFC	PLP	Management of pest & diseases in cucurbitaceous crops	1	1					1	1	18	5
Deogarh	FW	OFC	PLP	Management of pest & diseases in rice	1	1					5	12	2	6
Deogarh	FW	OFC	PLP	Disease & pest management in pulses like green gram and black gram	1	1					2		23	
Deogarh	FW	OFC	PLP	Disease & pest management in oilseed crops like ground nut, sesamun and mustard	1	1					6		11	8
Deogarh	FW	OFC	PLP	Management of pest & diseases in cole crops	1	1					5	1	16	3
Deogarh	FW	OFC	PLP	Management of pest & diseases in watermelon	1	1							24	1
Deogarh	FW	OFC	PLP	Management of pest & diseases in onion	1	1					12	13		
Deogarh	FW	OFC	PLP	Management of pest & diseases in sweet orange	1	1							25	
Deogarh	FW	OFC	PLP	Management of pest & diseases in litchi	1	1				1	5	12	2	5
Deogarh	FW	OFC	PLP	Management of pest & disease in mango	1	1					4		21	
Deogarh	RY	ONC	PLP	Apiculture for income generation	1	2					13		2	
Deogarh	IS	ONC	PLP	Non-conventional method of pest control	1	2					2	2	2	4
Deogarh	IS	ONC	PLP	Use and efficacy of new generation chemical pesticides	1	2					7		3	
Deogarh	FW	OFC	SFM	Importance of soil testing & technique of soil sample collection	1	1					17	8		
Deogarh	FW	OFC	SFM	Importance of soil testing	1	1					16	9		

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				& technique of soil sample collection										
Deogarh	FW	OFC	SFM	INM in pulses	1	1					24		1	
Deogarh	FW	OFC	SFM	INM in kharif Paddy	1	1			4	6	10	3	2	
Deogarh	FW	OFC	SFM	INM in oilseed	1	1			1				24	
Deogarh	FW	OFC	SFM	Soil fertility and their management	1	1					25			
Deogarh	FW	OFC	SFM	Use & role of micro nutrients	1	1			1		1		23	
Deogarh	FW	OFC	SFM	Organic Farming	1	1			4		3		18	
Deogarh	FW	OFC	SFM	INM in vegetable	1	1				14				11
Deogarh	FW	OFC	SFM	INM in rabi Paddy	1	1					22	2	1	
Deogarh	FW	OFC	SFM	Deficiency symposium of micronutrients and their management	1	1				1	7	7	8	2
Deogarh	FW	OFC	SFM	Use of biofertilizer	1	1					7	18		
Deogarh	RY	ONC	SFM	Production & use of organic inputs	1	2					6		9	
Deogarh	IS	ONC	SFM	Acid soil management for higher production	1	2	1		1	1			5	2
Deogarh	IS	ONC	SFM	Organic manure Production technology	1	2			1		1		7	1

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Deogarh	Protected Cultivation	Vegetables	Hitech Horticulture	4			4		2		4	
Deogarh	Beekeeping	Enterprise	Beekeeping	4								
Deogarh	Production of vermi compost	Enterprise	Income generation through Vermicompost	4					7		3	

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

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

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Deogarh	Training programme for pani panchayat members	-	-	-	12	03	0	0	52	0	6	0	31	1	WALMI, Cuttack	

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

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

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Deogarh	Introduction of horticulture based farming system	25	24	42					Area expanded (ha):- No. of farmers adopted (no.): % change in knowledge:75 % change in production % change in Income
Deogarh	Nursery raising off season Vegetables	25	22	38					Area expanded (ha):-20 No. of farmers adopted (no.): 24 % change in knowledge:76.1 % change in production-% change in Income-

Deogarh	Off season vegetable cultivation	25	33	46					Area expanded (ha):-14 No. of farmers adopted (no.): 17 % change in knowledge:43.1 % change in production-38.33 % change in Income-80.11
Deogarh	Cultivation practices of Kharif tomato	25	24	38					Area expanded (ha):- 18 No. of farmers adopted (no.): 19 % change in knowledge:58.3 % change in production- % change in Income-
Deogarh	Cultivation practices of Sweet Potato	25	21	37					Area expanded (ha):-20 No. of farmers adopted (no.): 24 % change in knowledge:76.1 % change in production-% change in Income-
Deogarh	Cultivation practices of Cauliflower	25	12	26	180	249	126200	227300	Area expanded (ha):-8 No. of farmers adopted (no.): 12 % change in knowledge:116.6 % change in production % change in Income
Deogarh	Cultivation practices of Cabbage	25	22	43					Area expanded (ha):-34 No. of farmers adopted (no.): 21 % change in knowledge:95.4 % change in production-27 % change in Income-42.47
Deogarh	Integrated Nutrient management of Onion	25	12	29	192	314	20300	45900	Area expanded (ha):-22 No. of farmers adopted (no.): 24 % change in knowledge:141.6 % change in production-63.54 % change in Income-126.1
Deogarh	Nutrient management of water melon	25	21	39	236	310	68650	96500	Area expanded (ha):-38 No. of farmers adopted (no.): 22 % change in knowledge:85.7 % change in production-31.35 % change in Income-40.56
Deogarh	Cultural practices in Litchi orchards	25	32	45.8					Area expanded (ha):-24 No. of farmers adopted (no.): 21 % change in knowledge:43.1 % change in production- % change in Income-
Deogarh	Cultural practices in Sweet orange orchards	25	21	39	236	310	68650	96500	Area expanded (ha):-38 No. of farmers adopted (no.): 22 % change in knowledge:85.7 % change in production-31.35 % change in Income-40.56
Deogarh	Cultural practices in Mango orchards	25	12	36					Area expanded (ha):- No. of farmers adopted (no.):2 % change in knowledge:200 % change in production% change in Income
Deogarh	Nursery raising of vegetables crops	25	23.5	42					Area expanded (ha):-21 No. of farmers adopted (no.):19 % change in knowledge:78.7 % change in production% change in Income
Deogarh	Protected Cultivation Technology	25	26	39					Area expanded (ha):24 No. of farmers adopted (no.):25 % change in knowledge:50 % change in production- % change in Income-

Deogarh	Water management in Mango	15	26.8	49.6					Area expanded (ha):-37 No. of farmers adopted (no.): 10 % change in knowledge:85.07 % change in production % change in Income
Deogarh	Technique of seed and soil treatment by pesticides and biocides	10	37	51					Area expanded (ha):-2 No. of farmers adopted (no.): 10 % change in knowledge:37.83 % change in production % change in Income
Deogarh	Management of pest & diseases solanaceous vegetables	10	36	54					Area expanded (ha):-2 No. of farmers adopted (no.): 10 % change in knowledge:37.83 % change in production % change in Income
Deogarh	Management of pest & diseases in cucurbitaceous crops	25	34	49					Area expanded (ha):-39 No. of farmers adopted (no.): 15 % change in knowledge:47.05 % change in production: % change in Income
Deogarh	Management of pest & diseases in rice	25	31	58	206	296	103000	147000	Area expanded (ha):-38 No. of farmers adopted (no.): 14 % change in knowledge:87.09 % change in production:43.69 % change in Income:42.71
Deogarh	Disease & pest management in pulses like green gram and black gram	25	31	57					Area expanded (ha):-33 No. of farmers adopted (no.): 12 % change in knowledge:83.87 % change in production: % change in Income
Deogarh	Disease & pest management in oilseed crops like ground nut, sesamun and mustard	25	34	61					Area expanded (ha):-48 No. of farmers adopted (no.): 12 % change in knowledge:73.52 % change in production: % change in Income:
Deogarh	Management of pest & diseases in cole crops	25	29	53	28.6	42.8	28600	51360	Area expanded (ha):-27 No. of farmers adopted (no.):13 % change in knowledge:82.75 % change in production:49.65 % change in Income:79.58
Deogarh	Management of pest & diseases in watermelon	25	32	49					Area expanded (ha):-30 No. of farmers adopted (no.): 17 % change in knowledge:53.12 % change in production % change in Income
Deogarh	Management of pest & diseases in onion	25	47	72					Area expanded (ha):-63 No. of farmers adopted (no.): 14 % change in knowledge:59.52 % change in production: % change in Income
Deogarh	Management of pest & diseases in sweet orange	25	39	64	204	298	61200	89400	Area expanded (ha):-79 No. of farmers adopted (no.): 19 % change in knowledge:64.10 % change in production:46.08 % change in Income:46.07

Deogarh	Management of pest & diseases in litchi	25	27	56					Area expanded (ha):-78 No. of farmers adopted (no.): 13 % change in knowledge:107.40 % change in production% change in Income
Deogarh	Management of pest & disease in mango	25	37	58					Area expanded (ha):-45 No. of farmers adopted (no.): 10 % change in knowledge:56.75 % change in production % change in Income
Deogarh	Apiculture for income generation	25	25	47					Area expanded (ha):-12 No. of farmers adopted (no.): 04 % change in knowledge:88 % change in production % change in Income
Deogarh	Non-conventional method of pest control	25	43	71					Area expanded (ha):- 31 No. of farmers adopted (no.): 14 % change in knowledge65.11 % change in production % change in Income
Deogarh	Use and efficacy of new generation chemical pesticides	25	24	42					Area expanded (ha):- No. of farmers adopted (no.): % change in knowledge:75 % change in production % change in Income
Deogarh	Importance of soil testing & technique of soil sample collection	25	12	36					Area expanded (ha):- No. of farmers adopted (no.):2 % change in knowledge:200 % change in production % change in Income
Deogarh	Importance of soil testing & technique of soil sample collection	15	26.8	49.6					Area expanded (ha):-37 No. of farmers adopted (no.): 10 % change in knowledge:85.07 % change in production % change in Income
Deogarh	INM in pulses	10	37	51					Area expanded (ha):-2 No. of farmers adopted (no.): 10 % change in knowledge:37.83 % change in production % change in Income
Deogarh	INM in kharif Paddy	10	25.4	46.3					Area expanded (ha):- No. of farmers adopted (no.): % change in knowledge:42.3 % change in production % change in Income
Deogarh	INM in oilseed	25	33.1	65.6					Area expanded (ha):- 200 No. of farmers adopted (no.): 13 % change in knowledge:56.3 % change in production:16.9 % change in Income:10.5
Deogarh	Soil fertility and their management	25	33.1	65.6					Area expanded (ha):- 200 No. of farmers adopted (no.): 13 % change in knowledge:56.3 % change in production:16.9 % change in Income:10.5
Deogarh	Use & role of micro nutrients	25	18	42					Area expanded (ha):- 8 No. of farmers adopted (no.): 7 % change in knowledge:133.3 % change in production: % change in Income:
Deogarh	Organic Farming	25	35	68					Area expanded (ha):-23 No. of farmers adopted (no.): 18 % change in knowledge:94.2 % change in production % change in Income

Deogarh	INM in vegetable	25	12	35					Area expanded (ha):-20 No. of farmers adopted (no.): 18 % change in knowledge:191.6 % change in production: % change in Income:
Deogarh	INM in rabi Paddy	25	18	42					Area expanded (ha):- 8 No. of farmers adopted (no.): 7 % change in knowledge:133.3 % change in production: % change in Income:
Deogarh	Deficiency symposium of micronutrients and their management	25	12	35					Area expanded (ha):-20 No. of farmers adopted (no.): 18 % change in knowledge:191.6 % change in production: % change in Income:
Deogarh	Use of biofertilizer	25	23.8	45.6					Area expanded (ha):- 32 No. of farmers adopted (no.): 18 % change in knowledge:29.1 % change in production % change in Income
Deogarh	Production & use of organic inputs	25	12	35					Area expanded (ha):-20 No. of farmers adopted (no.): 18 % change in knowledge:191.6 % change in production: % change in Income:
Deogarh	Acid soil management for higher production	25	31.2	65.5					Area expanded (ha):-28 No. of farmers adopted (no.): 24 % change in knowledge:109.9 % change in production % change in Income
Deogarh	Organic manure Production technology	25	15	28					Area expanded (ha):-16 No. of farmers adopted (no.): 19 % change in knowledge:82.3 % change in production: % change in Income:

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Deogarh	Field Day	03	02	37	16	27	19	10	-	Field days	varietal evaluation, INM, Plant protection	
Deogarh	Kisan Mela	01	-	-	-	-	-	-	-	Awareness	Govt. programmes and schemes	
Deogarh	Kisan Ghosthi	-	-	-	-	-	-	-	-			
Deogarh	Exhibition	02	02							showing latest technologies		
Deogarh	Film Show	08	10	52	18	103	55	65	17		Agriculture and allied subjects	All stages
Deogarh	Method Demonstrations	-	-									
Deogarh	Farmers Seminar	-	-									

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			
Deogarh	Workshop	-	-									
Deogarh	Group meetings	34	36	98	57	220	105	55	27	Discussion	Advance Management practices	All stages
Deogarh	Lectures delivered as resource persons	22	20	558	175	230	183	122	12	Discussion on latest technologies	Advance Management practices	All stages
Deogarh	Newspaper coverage	-	12							Exhibition, farmer scientist interaction, SAC meeting		
Deogarh	Radio talks	01	01									
Deogarh	TV talks	-	-									
Deogarh	Popular articles	-	-									
Deogarh	Extension Literature	-	-									
Deogarh	Farm advisory Services	-	-									
Deogarh	Scientific visit to farmers field	90	92	87	35	202	34	23	5	Problems in farmer's field		All stages
Deogarh	Farmers visit to KVK	900	927	131	87	454	255			Agriculture and allied subjects		All stages
Deogarh	Diagnostic visits	24	22	36	9	68	12	6	2	Problems in farmer's field		All stages
Deogarh	Exposure visits	-	-									
Deogarh	Ex-trainees Sammelan	01	01	12	7	55	26	-	-			
Deogarh	Soil health Camp	-	-									
Deogarh	Animal Health Camp	-	-									
Deogarh	Agri mobile clinic	-	-									
Deogarh	Soil test campaigns	-	-									
Deogarh	Farm Science Club conveners meet	-	-									
Deogarh	Self Help Group conveners meetings	-	-									
Deogarh	Mahila Mandals conveners meetings	-	-									
Deogarh	Celebration of important days (World environment day)	02	02	23	12	12	60	3	1	Awareness		

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Deogarh	1.4.2016	Half yearly	1000	1000

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Deogarh	Leaflet(Odia)	Amla matira parichalana	P. Majhi, Dr. S.K. Sahoo, L Soren, C. Mishra	2000
Deogarh	Leaflet(Odia)	Mati parikhya kariba kipari	C. Mishra Dr. S.K. Sahoo, L Soren, N. Sasmal	2000

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Deogarh	Cereals						
Deogarh	Pulses	Pigeon pea	Maruti	0.6	8544		
Deogarh	Other	Dhanicha	Local	1.9	7600		
Deogarh	Fruits	Mango	Amarapalli, Langra	888	26190		
Deogarh		Paddy straw mushroom	-	156 Nos.	2340		
Deogarh		Oyester Mushroom	-	167 Nos.	2505		

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Deogarh	Vegetables	Tomato	Utkal Kumari, Utkal Raja	12650	6325		
Deogarh	Vegetables	Brinjal	Tarini	11240	5620		
Deogarh	Vegetables	Cabbage	Millenium-3	1800	900		
Deogarh	Vegetables	Cauliflower	Barkha	9995	9995		
Deogarh	Vegetables	Chilli	Siamhot	10600	5300		
Deogarh	Vegetables	Papaya	Red leady	76	1520		

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Deogarh	Bio Agents						
Deogarh	Bio Fertilizer	Vermicompost	1000		10000		

8.4 Livestock and fisheries production

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

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Deogarh	Not Established		Mridiparikhyak mini lab	136	1051	07		1051

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Deogarh	Not Established							

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities

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

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Deogarh	2012	2015	5	1	Senior Scientist and Head post vacant

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Deogarh	30.11.2016	25	Cultivation of fruits and vegetables should be popularized in organic way. Work must be done as per the selection of specific thrust area. Popularization of green manuring should be done in the district.

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

KVK Name	No. of messages sent	No. of beneficiary	Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.	
Deogarh	47	11722	132	Farmers portal
				Crop production, Animal husbandry, mushroom cultivation, Integrated Nutrient Management, Integrated Pest Management, Integrated Disease Management, Nursery raising

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

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Deogarh	30442362646	0	-	-

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Deogarh	Best Farmer	Best farmer	OUAT, Bhubaneswar	-
Deogarh	Best Exhibition stall	Institutional	ATMA, Deogarh	-
Deogarh	Best Exhibition stall	Institutional	District Administration, Deogarh	-

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Deogarh	Crop Cafeteria	Pulse, maize(hybrid and sweet corn), Dhanicha, papaya, banana, sweet potato, yam, vegetable nursery, nutritional garden
Deogarh	Technology Desk	
Deogarh	Visitors Gallery	
Deogarh	Technology Exhibition	Mushroom cultivation, Value addition of different fruits and vegetable, Azolla cultivation, ornamental fishery, Apiary, Agriculture machineries
Deogarh	Technology Gate-Valve	

c). Crop Cafeteria-

Sl. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Demonstration of various maize, sweet corn, papaya, pineapple, sweet potato, yam, yam bean	1

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

Sl. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Deogarh	Peter Minj	Groundnut-Millet intercropping	Bangalimunda, Tileibani, Deogarh, 8018742650
2	Deogarh	Ananda Garnaik	Mango variety, Ananda sagar	Kureibahal, Deogarh, 9438679189
3	Deogarh	Bhubaneswar Pradhan	Improved iron plough	Kandhal, Deogarh, 9668398067
4	Deogarh	Juli Sahu	Herbal tea	Kandhal, Deogarh, 7809843995
5	Deogarh	Bishnu Prasad Biswal	Polypot watermelon nursery	Suguda, Deogarh, 9583247287
6	Deogarh	Sukumari Sahu	Mushroom cultivation, substitution of food additive	Kailash, Deogarh, 9438361485
7	Deogarh	Reena Dwibedy	Diary,Poultry	Palkudar, Deogarh, 9937937031
8	Deogarh	Manoneet Tirkey	Value addition of water melon	Purunapani, Deogarh,9936418598
9	Deogarh	Rajkumari Naik	Value addition of bamboo shoot	Mohinipur, Deogarh
10	Deogarh	Reena Pradhan	Value addition of aloe vera & Tulsi	Saruali, Deogarh, 9556186602

20. KVK interaction with progressive farmers

Sl. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Deogarh	3	3	16	38

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

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

23. KVK Ring

Sl. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Keonjhar	Soil testing	
2	Angul	Manpower, SMS (Ag. Engg.)	Sharing of man power among the ring partners
3	Sundergarh-I	Planting materials	

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Deogarh	Sj Nagendra Ku Pradhan,	03.04.2016			Hon'ble MP, Sambalpur, Odisha	
Deogarh	Mrs.Guha Poonam Tapas Kumar (IAS)	03.04.2016			Collector & District Magistrate, Deogarh, Odisha	
Deogarh	Smt. Nibedita Nayak,	03.04.2016			Chairman, SSWB, Odisha	
Deogarh	SJ. Purna Chandra Pathy (IAS)	30.11.2016, 05.12.2016			Collector & District Magistrate, Deogarh, Odisha	
Deogarh	Mrs. Sushama Behera	03.04.2016, 05.12.2016			President, Zilla Parisad, Deogarh	
Deogarh	Mr. Abhiram Kerketa	03.04.2016			Project Director, DRDA, Deogarh	
Deogarh	Dr. Manoranjan Mohapatra., Joint Director, Directorate of Extension Education, OUAT, Bhubaneswar	30.11.2016		OUAT, Bhubaneswar		

25. Status of KVK Website:

Sl. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Deogarh	15.04.2011	22	

26. E-CONNECTIVITY

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

27. Status of RTI

Sl. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

28. Status of Citizen Charter

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

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Deogarh	Biswajit Pradhan	Programme Asst.(Comp.)	1	
Deogarh	Chinmay Mishra	Programme Asst.(Soil Sc.)	1	
	Total		2	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Deogarh	2	2

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

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

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

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks

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

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

Name of KVK	Alert observed	Particulars	Reported to organization

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Deogarh	Kissan mela	1	1000	Rabi crops
Deogarh	Exhibition	1	mass	
Deogarh	Seed treatment campaign	1	50	Rabi crops
Deogarh	Plant diagnostic camp	1	50	Rabi crops
Deogarh	SHG meet	1	50	
Deogarh	Animal Health camp	1	50	Goats
Deogarh	Exhibition on farm women	1	mass	Oyster mushroom and women friendly implements

34. 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 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 distributed

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

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

Vermis Produced

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

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist 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

35. Proposal of NICRA

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	Any Special Remark by Visitors

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

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

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

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

Sl. No.	Name of KVK	No. of success stories	No. of case studies
1	Deogarh	2	2

Success Story of Jagannath Pradhan :A Successful Sweet Orange grower

Introduction :

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.
Production (q)	: 17940
Productivity (q/ha)	: 345
Income (Rs)	: 83, 33, 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.

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

Increase in area (ha)	: 32 Ha.
Production (q)	: 2080
Productivity (q/ha)	: 65
Income (Rs)	: 56,92,480
Employment (Mandays)	: 3332
Assets	: Mobile phone, Two wheeler, Power tiller
Social status	: Member of litchi grower association
Lesson learned	: Improved cultivation practices like use of polythene mulching, application of PMS with INM and IPM module.

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 47th Foundation Day of Orissa University of Agriculture and Technology.

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

		
<p>Assessment of integrated approach for quality fruit production of litchi (Problem:-Fruit cracking and fruit borer attack leads to low yield and return)</p>	<p>Assessment of integrated crop management of kharif tomato in group approach (Problem:- Upland rice not remunerative and tomato cultivation in a traditional way without proper management practices in some patches)</p>	<p>Assessment of different onion varieties in kharif season (Problem:- Low yield and return for upland rice cultivation)</p>
		
<p>Assessment of different weedicides in onion during rabi season (Problem:- High labour cost and labour intensive process)</p>	<p>Assessment of chemical control measure against downy mildew in cauliflower (Problem:- Milk white cauliflower curds to develop superficial discolored spots that renders the disease damage heads unmarketable)</p>	<p>Assessment of IPM against white fly in tomato (Problem:- Yellowing & downward curling and drying of leaves and act as the vector of tomato leaf curl disease leads to reduced in yield)</p>