ANNUAL PROGRESS REPORT
April 2015 to March 2016

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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 2015 to March 2016

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)
1	**On Farm Testing**		
	Proposed OFT	**18**	150
	On Going OFT	**0**	0
	Technologies assessed (Completed OFT)	**14**	122
	Technologies refined	**0**	0

	On farm trials conducted	**14**	122	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	**18**	**180**	
	On Going Frontline demonstrations	0	0	
	FLDs conducted on crops	14	140	
	Area under crops (ha.)	5.6	140	
	FLD on farm implement and tools	--	--	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	02	20	
	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	57	57	1250
	Farm women			175
	Rural youth	14	28	210
	Extension personnel/ In service	17	17	170
	Vocational trainings	--	--	--
	Sponsored Training	04	35	190
	Total	92	137	1995
		No. of programmes	**Participants**	
4	**Extension Programmes**	530		4295
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	221.4		--
	Planting material produced (nos.)	19965		183
	Mushroom Spawn	430		22
	Mushroom Production	74		125
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.)	438	21
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**
	Bio Agents -Earth worm (Kg.)	04	02
	Trichoderma (kg.)	--	--
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**2900**	11
	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)	01	Progressive Farmer Award on 54th Foundation Day of OUAT
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	29	--
	KVK News letter	02	800
	SAC Meetings conducted	02	80
	Soil sample tested	1050	5250
	Water sample tested	05	05
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	--	--
	KVK-KMA (Message and beneficiaries)	54	7250
	Convergence programmes	02	--
	Sponsored programmes	04	190
	KVK Progressive Farmers interaction	02	50
	No. of Technology Week Celebrations	01	350
	Attended HRD activities organized by ZPD	03	04
	Attended HRD activities organized by DES	03	12
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	--	--
9	Current status of Revolving Funds (Amt. in Rs.)		353569
10		**No. of blocks**	**No. of villages**

	Outreach of KVK in the District	12	141	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	2	7	2
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	05	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	01	01	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	--	--	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	--	
16		**Filled**	**Vacant**	
	Staff Position	13	03	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	10		
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, 2016

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Kalahandi	16	1	0	6	5	3	3	6	5	16	13

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joiing	Per./ Temp.	Category
Kalahand	Programme	--	-	-	-	-	-	-	-	-

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joiing	Per./ Temp.	Category
i	Coordinator									
Kalahandi	Subject Matter Specialist1	Tapan Kumar Das	Plant protection	M.Sc (Ag)	Entomology	15,600-39,100 with AGP-6000/-	18320	10.02.14	Permanent	Others
Kalahandi	Subject Matter Specialist2	Madhumita Jena	Extension	M.Sc. (Ag.)	Ag. Extension	15,600-39,100 with AGP-6000/-	18320	08.04.10	Permanent	Others
Kalahandi	Subject Matter Specialist3	Tulasi Majhi	Horticulture	M.Sc. (Ag.)	Post-harvest management	15,600-39,100 with AGP-6000/-	16920	22.05.12	Permanent	ST
Kalahandi	Subject Matter Specialist4	Lata Malik	Soil Science	M.Sc. (Ag.)	Soil Science/Soil fertility/Microbiology	15,600-39,100 with AGP-6000/-	19050	05.05.06	Permanent	SC
Kalahandi	Subject Matter Specialist5	Dr. Hrudananda Malik	Animal Science	P.hD	Animal Biotechnology	15,600 - 39,100 with AGP-6000/-	15600	16.06.2015	Permanent	SC
Kalahandi	Subject Matter Specialist6	--	-	-	-	-	-	-	-	-
Kalahandi	Programme Assistant	Srisrikrushna Behera	Plant Physiology	M.Sc. (Ag.)	Plant Physiology	9,300-34,800 with AGP-	9300	26.03.2016	Permanent	Others

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joiing	Per./ Temp.	Category
						4200/-				
Kalahandi	Farm Manager	Priyadarsini Swain	Plant Breeding & genetics	M.Sc. (Ag.)	Plant Breeding and Genetics	9,300-34,800 with AGP-4200/-	10560	09.04.12	Permanent	Others
Kalahandi	Computer Programmer	Dillip Kumar Barik	Computer Science	B.com	TALLY	9,300-34,800 with AGP-4200/-	10560	04.12.12	Permanent	Others
Kalahandi	Accountant / superintendent	--	--	-	-	-	-	-	-	-
Kalahandi	Stenographer	Chandrakanti Mallick	B.A	B.A	B.A	5,200-20,200 with AGP-2400/-	5200	28.07.2015	Permanent	SC
Kalahandi	Driver	Keshab Chandra Sa	Matric	Matric	Matric	5,200-20,200 with AGP-1900/-	6660	19.07.08	Permanent	OBC
Kalahandi	Driver	Pradeep Kumar Pradhan	Matric	Matric	Matric	5,200-20,200 with AGP-1900/-	5200	27.07.2015	Permanent	ST
Kalahandi	Supporting staff	Bhuta Naik		Class V		4400/- to 7440/- with AGP-	5580	26.07.08	Permanent	SC

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joiing	Per./ Temp.	Category
						1300/-				
Kalahandi	Supporting staff	Sangita Goud	-	Class IV	-	4750/- to 14680/- with AGP-1500/-	4940	-	-	-

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
Kalahandi	Western undulating zone	13	272	1576869	60.22	736036	256809	0.29 ha

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)
Kalahandi	Dumal	2012	Bhawanipatna	10	800	150
Kalahandi	Goudtola	2012	Kesinga	35	450	80
Kalahandi	Dahal	2009	Narla	40	150	40
Kalahandi	Latkakhaman	2015	Lanjigarh	45	200	45
Kalahandi	Sindhipadar	2015	Th.rampur	65	250	56

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

KVK Name	THRUST AREA
Kalahandi	Crop substitution replacing mono cropping of paddy particularly in upland
Kalahandi	IPM strategies for paddy, cotton and vegetables
Kalahandi	Integrated crop management practices for vegetables
Kalahandi	Weed management

Kalahandi	Popularization of wilt resistant varieties of tomato and brinjal
Kalahandi	Introduction of low cost improved agricultural implements for small and marginal farmers
Kalahandi	Backyard poultry and duckery for income generation
Kalahandi	Development of integrated fish farming with livestock and agriculture
Kalahandi	Development of integrated fish farming with livestock and agriculture
Kalahandi	Entrepreneurship development
Kalahandi	Drudgery reduction in women
Kalahandi	Soil test based fertilizer application for sustainable yield

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
Kalahandi	Low yield of paddy in upland and under monoculture cropping pattern	PRA, Group Discussion and Response Analysis	Kendupati, Junagarh
Kalahandi	Low profit from cultivation of traditional old rice varieties susceptible to pest and diseases	Group Discussion and Response Analysis	Kendupati, Junagarh
Kalahandi	Heavy weed infestation, imbalance nutrition and improper management of soil health	Group Discussion and village survey	Dahal, Narla
Kalahandi	High incidence of insect pest results in poor yield of different crops	Group Discussion and Response Analysis	Dahal, Narla
Kalahandi	Low yield in cotton owing to heavy infestation of bollworms & sucking pest and improper crop management practices.	Focused group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Low profit from imbalance fertilizer application without soil testing	Group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Bacterial and fungal wilt in solanaceous vegetables.	Group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Low profit from traditional variety of vegetable cultivation	Diagnostic field visit, Group Discussion and Response Analysis	Goudtola,Kesinga
Kalahandi	Non utilization of dried out reservoir/ river bed	Focused group Discussion and Response Analysis	Kendupati, Junagarh
Kalahandi	Wastage of paddy straw and cotton stubbles in the field.	Group Discussion and Response Analysis	Goudtola,Kesinga
Kalahandi	Broadcasting of sunflower in pulses with poor nutrient management leading to low yield.	Diagnostic field visit, Group Discussion and Response	Goudtola,Kesinga

		Analysis	
Kalahandi	Poor egg laying capacity and high mortality of indigenous poultry bird.	Group Discussion and Response Analysis	Purunaguma, Th.Rampur
Kalahandi	No value addition of surplus farm produce	Focused group Discussion and Response Analysis	Purunaguma, Th.Rampur
Kalahandi	Indiscriminate use of pesticides and chemical fertilizers in cereals and vegetable.	Group Discussion and Response Analysis	Goudtola,Kesinga
Kalahandi	Inadequate pre and post stocking management with improper size and species combination.	Group Discussion and Response Analysis	Kendupati, Junagarh
Kalahandi	Lack of awareness of harvesting of paddy straw for mushroom cultivation.	Group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Malnutrition and drudgery of the people.	PRA, Group Discussion and Response Analysis	Kendupati, Junagarh
Kalahandi	Cultivation of local maize varieties results low production	PRA, Group Discussion and Response Analysis	Dahal, Narla
Kalahandi	Improper crop management practices and use of local cultivars causes low yield in sunflower	Diagnostic field visit, Focused group Discussion and Response Analysis	Dahal, Narla
Kalahandi	Unavailability of FYM/ organic inputs	Group Discussion and Response Analysis	Goudtola,Kesinga
Kalahandi	Indiscriminate use of pesticides enhances cost and resulting in residue problem.	Diagnostic field visit, Group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Lack of awareness of harvesting of paddy straw for mushroom cultivation.	Group Discussion and Response Analysis	Dumal,Bhawanipatna
Kalahandi	Cultivation of local maize varieties results low production	PRA and Response Analysis	Dahal,Narla
Kalahandi	Traditional method of production system in mustard and niger	PRA, Group Discussion and Response Analysis	Dahal,Narla
Kalahandi	Improper crop management practices and use of local cultivars causes low yield in sunflower	PRA, Group Discussion and Response Analysis	Dahal,Narla
Kalahandi	Unavailability of FYM/ organic inputs	Village survey, Group Discussion and Response Analysis	Goudtola,Kesinga
Kalahandi	Indiscriminate use of pesticides enhances cost and resulting in residue problem.	Diagnostic field visit, Group Discussion and Response Analysis	Dahal,Narla

Kalahandi	Low yield of pulses(green gram and black gram) and oil seed(sunflower, groundnut) because of non-descript cultivars and traditional package of practices	PRA, Group Discussion and Response Analysis	Goudtola, Kesinga
Kalahandi	Improper utilization of uplands, hilly terrain and undulated land	Group Discussion and Response Analysis	Sindhipadar Th.Rampur

2. On Farm Testing

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.**

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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)	T3	FP (T_1)	RP (T_2)	T3	
Kalahandi	2015	Kharif	Lesser yield due to non use of required amount of NPK and all nutrient.	Assessment of nutrient management in cotton	Assessment	INM	cotton	Rain fed	7	19	24	-	55,740	74,480	-	-

Kalahandi	2015-16	Rabi	Lesser yield of Mustard due to no use of required amount of NPK , zinc sulphate and Boron	Assessment of INM in Mustard	Assessment	INM	Mustard	Irrigated medium land	7	5.3	6.92	-	12540	17764	-	-
Kalahandi	2015-16	Rabi	Low fruiting and less yield	Assessment of foliar application of DAP 2% and NAA in Greengram	Assessment	INM	Greengram	Irrigated medium land	7	5.6	7.9	-	15620	25240	-	
Kalahandi	2015	Kharif	Unutilization of waste space Low income from	Intercropping of solanaceous vegetables in mango orchard	Assessment	Integrated Crop Management	Vegetable (Tomato and Brinjal)	Rainfed	3	320	540	543	170000	290000	302950	Tomato var. Utkal Dipti mature in 85 days with

			mangoas mono crop.													average yield 220q/ha as inter crop and Brinjal var. U. Madhuri has got average yield of 223q/ha
kalahandi	2015	Kharif	Low yield due to less female flower setting	Assessment of GA3 application in Brinjal	Assessment	Integrated Crop Management	Brinjal	Rainfed	3	256	292	310	135800	160600	175000	GA3 @30ppm application at flowering stage promotes new flower bud and increases the yield.
Kalahandi	2015-16	Rabi	Sever weed infestation in	Assement of Herbicide for	Assessment	Weed management	onion	Irrigated	3	246	273	298	191600	217300	244800	Pendimethalin @ 1000g

			onion reduces 30-40% yield.	weed management in onion												m/ha within 3 days after transplanting is getting better result
Kalahandi	2015-16	Rabi	Low yield from potato variety – Kufri Jyoti	Assessment of Potato Variety-Kufri Surya	Assessment	Varietal evaluation	Potato	Irrigated	3	235	292	306	184500	236200	251600	Cultivation of Potato variety Kufri Surya (DOS - 2nd week of December is better performance in Yield
Kalahandi	2015-16	Kharif	No control measure	IPM for Management of panicle mite in Kharif paddy	Assessment	IPM	Paddy	Rainfed	2	33.1	41.8	-	20720	29160	-	Seed treatment with Imidachloprid prevents the pest attack

																for 45 days, Installation of yellow sticky trap efficiently control the mites below ETL level and need based spraying of Acetamepride manage the pest efficiently
Kalahandi	2015-16	Kharif	No control measure	Assessment of new generation insecticides with botanical and parasites	Assessment	IPM	Paddy	Rainfed	2	17.3	22.8	-	7625	13500	-	-

				for management of stem borer in paddy												
Kalahandi	2015-16	Rabi	No control measure	IDM in control of yellow vain mosaic in Green gram	No control measure	IDM	Greengram	Irrigated	2	4.7	6.5	-	28600	41000	-	Seed treatment with Imidachloprid prevents the pest attack for 45 days, Installation of yellow sticky trap efficiently control the white flies below ETL level and need based spraying of B.bassi

																ana manage the pest efficiently.
Kalahandi	2015-16	Rabi	No seed treatment	Assessment of bio control agent for management of seedling blight of groundnut	Assessment	IDM	Groundnut	0.52	2	12.8	15.4	-	55300	69600	-	Seed treatment with combined bio agents. (Pseudomonas fluorescence + Trichoderma viride @ 6gm /kg of seeds
Kalahandi	2015-16	Rabi	Low growth rate, Low conception rate	Assessment on effect of feed supplement on performance of pre-partuent goat	Assessment	Production	0.52	Practicing goat rearing without administration of feed supplement into diet	8	280g / Week	654g/ Week	-	2160/- Per 6 month/ animal	5112/- per 6 month/ animal	-	-

Kalahandi	2015-16	Rabi	Low milk production in lactating cow	Assessment on effect of feed supplement on performance of pre-partuent cattle	Assessment	Production	0.52	Cattle rearing without administration of liquid calcium supplement into diet	7	1.4 L/day	2.2 L/day		3308/- per 6month	6150/- per 6 month	-	-

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)
Kalahandi	Assessment of nutrient management in cotton	No of boll.	39	61	23,020	25,000	-	78,760	99480	-	55,740	74,480	-	3.42	3.9	-
Kalahandi	Assessment of INM in Mustard	Height NO of siliqua/plant Seeds/ Siliqua	65.43 14	71.668 16	9720	11300	-	22260	29064	-	12540	17764	-	2.29	2.57	-
Kalaha	Assessment of	No.of pod/plant	30	39	10	12, 20	-	25920	37, 44	-	15620	25240	-	2.	3.	-

ndi	foliar application of DAP 2% and NAA in Greengram	Yield(q)	5.5	7.8	310	0			0					51	07	
Kalahandi	Intercropping of solanaceous vegetables in mango orchard	Fruit Wt. (g)	86	89	8600	98000	98000	256000	388000	400950	170000	290000	302950	2.9	3.9	4.0
Kalahandi	Assessment of GA3 application in Brinjal	Fruit Wt. (g)	112.3	123	69000	73000	73000	204800	233600	248000	135800	160600	175000	2.9	3.2	3.4
Kalahandi	Assessment of Herbicides for weed management in onion	Bulb Wt. (g) Weed Control Efficiency (%)	56 -	82.5 56.25	79000	83000	83000	270600	300300	327800	191600	217300	244800	3.4	3.6	3.9
Kalahandi	Assessment of Potato variety Kufri Surya	Fruit Wt. (g) No. of Fruit/Plant	82 42	89 38	74000	85000	85000	258500	321200	336600	184500	236200	251600	3.4	3.7	3.9

Kalahandi	Assessment new generation insecticide with botanical & parasites for management of stem borer in paddy	% of infestation	23.2	4.7	13135	13860	-	20760	27360	-	7625	13500	-	1.5	1.9	-
Kalahandi	IPM for Management of panicle mite in Kharif paddy	Insect infection %	23	06	18000	19500	-	40080	50160	-	22080	30660	-	2.2	2.6	-
Kalahandi	Assessment of Bio control agent for management of seedling blight of groundnut	No. of dead plant/sq mt	05	0	19500	22000	-	64000	77000	-	44500	55000	-	3.2	3.5	-

Kalahandi	IDM in control of yellow vain mosaic in Green gram	% of diseases infestation	64	8	11200	13180	-	32900	45500	-	21700	32320	-	2.9	3.4	-
kalahandi	Assessment on effect of feed supplement on performance of pre-partuent goat	-	-	-	1080	2340	-	3240	7452	-	2166	5112	-	3.0	3.5	-
Kalahandi	Assessment on effect of feed supplement on performance of pre-partuent cattle	-	-	-	2700	3354	-	6048	9504	-	3384	6150	-	2.24	2.83	-

2.3 Information about Home Science OFT:

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 Economic Performance Home Science OFT:

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

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Kalahandi	Zinc application in paddy is necessary to increase the yield but farmer is ignorant about its application, So Zinc should be applied in order to enhance the crop yield.
Kalahandi	Biofertilizer application in vegetables increases organic status of the soil So farmers should avoid the maximum use of inorganic fertilizer

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Kalahandi	Paddy	Varietal evaluation	Performance of high yielding Paddy Var. Tejaswini in medium land	Paddy Var.-Gitanjali Paddy Var.- Tejaswini	45	450	265
Kalahandi	Maize	Weed management	Performance of herbicide Atrazine 1kg a.i/ha in Maize	Herbicide application of Atrazine 1kg a.i/ha	32	267	50
Kalahandi	Paddy	IDM	Demonstration on Management of sheath blight of rice	Hexaconazole (contaf plus) @2 ml/litre, Registant variety Pratikshaya, split application of Nitrogen 25:50:25	64	310	125
Kalahandi	Sugarcane	IPM	Demonstration on Integrated Management of Sugarcane Stem borer	Soil application of Carbofuran granules (3% G.W) with 6 times release of *Trichogramma chilonis* @50000/ha and need based management	26	142	32
Kalahandi	Bittergourd	IPM	Demonstration of Management of fruit fly in bitter gourd	Soil application of neem cake 200kg/ha, applying Carbaryl 5% dust @ 25 kg/ha, poison baiting with 10 ml Malathion in one liter water with 50 gm jaggery & 20 gm yest	21	59	18
Kalahandi	Maize	INM	Demonstration on Bio-fertilizer integrated inorganic fertilizer in Maize	75% RDF+ Azotobactor,Azospirrilium, PSB1:1:1@ 3kg/ha+ prelimed 5% vermicompost in 1:25 ratio	37	254	187
Kalahand	Banana	INM	Demonstration of nutrient	FYM-10-15 kg per pit, 300-	64	115	23

i			management in tissue culture banana	100-300 gm NPK per pit, N 200gm at 2,4,6 months and K 300gm at 2,6 months after planting			
Kalahandi	Cauliflower	Crop production	Performance of Biofertilizer application in cauliflower	Azobactor, Azospirrilium, PSB @ 2kg 1:1:1 + 150kg FYM+7.5kg lime	20	51	11
Kalahandi	Groundnut	Crop Production	Demonstration on Application of lime & Rhizobium in groundnut	Application of lime@0.2 LR+ seed treatment with Rhizobium @ 20 gm/Kg of seed	43	169	148
Kalahandi	Banana	Varietal evaluation	Performance of Tissue culture Banana Var.Grand Naine	Grand Naine The Plant grows to a height of 6.5 to 7.5 Feet. Each bunch will be having 10 to 12 hands with 175 to 225 number of fruits	67	79	28
Kalahandi	Tomato	Varietal evaluation	Demonstration on Tomato Var. Swarna Sampad	Swarna Sampad Plant height : 70-75 cm determinate in growth habit, fruits are borne in cluster of 4-5; fruit weight : 120-130 g, potential yield 1000Q/ha	22	83	19
Kalahandi	Pointed Gourd	Production Management	Demonstration on micronutrient application in pointed Gourd	Micronutrient application	27	97	18
Kalahandi	Palas	Production Management	Demonstration of Rangini Lac in Palas trees	Rangini lac production in Palas with inoculation of 50-100 brood lac sticks per 10-15 years old tree (1 stick for 1 mt. shoot length)	23	56	12
Kalahandi	Bamboo	Production Managemen	Demonstration of Bamboo (*Bambusa vulgaris*)	Propagation through binodal culm cutting method	35	98	26

		t	Plantation through binodal culm cutting method				
Kalahandi	PigeonPea	Production Management	Front Line Demonstration on Pulses (Pigeon Pea)	Line sowing of seeds Seed treatment with Rhizobium culture Application of NPK @20:40:20 kg/ha as basal application Spraying Triazophous and planofix hormone	73	115	61

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**

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entre prizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Kalahandi	2015-16	Kharif	Varietal evaluation	Demonstration of HY Ragi Var. Bhairabi in unbunded upland	Ragi	Ragi Var. Bhairabi	0.4	14.92	20.83	39.6	0	0	4	1	5

Kalahandi	2015-16	Kharif	Varietal evaluation	Performance of Sweet Corn variety 'Mishti'	Sweet corn	Sweet corn Var.- Mishti	0.4	29.59	55000 cobb	--	1	2	2	0	5
Kalahandi	2015-16	Kharif	Varietal evaluation	Demonstration on intercropping of maize with cowpea	Maize	Cowpea U.Manika	0.4	27.4	12.5(Maize) 24.9 (Cowpea)	36.4	0	1	4	0	5
Kalahandi	2015	Kharif	Integrated Nutrient management	Demonstration of Zinc in enhancement of paddy	Paddy	MTU1010	0.4	31.2	35.3	13.8		4	6	0	10
Kalahandi	2015	Kharif	Integrated Nutrient management	Performance of Biofertilizer application in Zinger	Ginger	Suprava	0.4	93.6	120	28.2	--	10			10
Kalahandi	2015-16	Rabi	Integrated Nutrient management	Performance of Biofertilizer application & required RDF in cabbage	Cabbage	Megha	0.4	189.5	234.1	23.53		2	8	0	10
Kalahandi	2015	Kharif	Integrated Nutrient management	Demonstration of Zinc in enhancement of paddy	Paddy	MTU1010	0.4	31.2	35.3	13.8		4	6	0	10

Kalahandi	2015	Kharif	Integrated Crop Management	Demonstration on Performance of cassava variety	Tomato and Brinjal	Tomato var. U. Dipti and Brinjal var. U. Madhuri	0.4	179	257	43.57	-	9	1	-	10
Kalahandi	2015	Kharif	Integrated crop Management	Demonstration on Performance of Tricontanol (PGR) in Bittergourd	Bittergourd	Performance of Tricontanol (PGR) in Bittergourd	0.4	87	108	24.13	1	-	9	-	10
Kalahandi	2015-16	Rabi	Varietal evaluation	Demonstration Performance of Snow pea variety Swarna Trupti	Snowpea	Performance of Snow pea variety Swarna Trupti	0.4	193	229	18.65	-	2	8	-	10
Kalahandi	2015-16	Rabi	Varietal evaluation	Demonstration on watermelon var. Arka Manik	watermelon	watermelon var. Arka Manik	0.4	197	221	12.18	-	5	2	-	7
Kalahandi	2015-16	Kharif	Integrated pest management	Demonstration of integrated pest management for yellow stem borer in paddy	Paddy	Demonstration of integrated diseases management for blast in paddy	0.4	28.7	37.4	23.26	02	03	05	-	10

Kalahandi	2015-16	kharif	Integrated diseases management	Demonstration of integrated disease management for blast in paddy	paddy	Demonstration of integrated disease management for blast in paddy	0.4	27.5	36.6	24.86	0	03	02	05	10
Kalahandi	2015-16	Rabi	Intgrated diseases management	Demonstration on IDM of collar rot in groundnut	Groundnut	Demonstration on IDM of collar rot in groundnut	0.4	12.8	15.4	22.12	01	02	03	04	10
kalahandi	2015-16	Rabi	Integrated diseases management	Demonstaration of *Virex-H* for management of leaf curl in tomato	Tomato	Demonstration of Virex-H for management of leaf curl in tomato	0.4	197	256	23.0	02	0	04	04	10
Kalahandi	2015-16	Rabi	production	Effect of Fenbendazole on performance of goat	Goat rearing	Demonstration of de-worming drug (Fenbendazole)	16				1	2	6	7	16
Kalahandi	2015-16	Rabi	Production	Effect of liquid calcium supplement on performance cattle	Cattle rearing	Administration of micronutrients into cattle diet	13	1.25 L/day	2.55L/ day		0	11	2	0	13

Kalahandi	2015-16	Rabi	Production Technology	Cluster Frontline Demonstration on Groundnut	Groundnut-ICGV91114	Seed treatment with Vitavax Power (Carboxin) @ 5 gm/kg of seed. Application of 250kg Gypsum per ha is applied in the field.. Need based alternate spraying of Neem pesticide at 15 days interval for suppress the Jassid population and minimizes yellow vein mosaic virus. Need based application of Dimethoate for controlling aphid population	41.7	15.4	18.8	20.07	20	2	56	-	78

Kalahandi	2015-16	Rabi	Production Technology	Cluster Frontline Demonstration on Green gram	Green gram – TARM-1	Seed treatment with appropriate *Rhizobium* culture (bacteria culture) @20 grams of culture per 1kg of seed before sowing greatly helps in germination.. Application of pendimethalin@ 750gm /acre with one hand weeding at 30 DAS effectively controls weeds. In rabi season green gram is mostly grown on residual soil moisture without irrigation. • Seed treatment with Thiamethoxam 70WS @ 3 g/kg seed to protect from sucking pests • Installation of bird perches for seating of predator birds • Need based spraying of quinalphos/ chlorpyriphos / profenophos @ 1 litre/ ha or acephate @ 1 kg/ ha depending upon the ETL of pests	20	5.2	6.7	28.8	2	4	44	-	50

Kalahandi	2015-16	Rabi	Production Technology	Cluster Frontline Demonstration on Chickpea	Chick pea-JG-11	Seed treatment with Vita vax Power (Carboxin) @ 5 gm/kg of seed Installation of bird perches and use of pheromone trap @ 5 - 10 nos. /ha for monitoring the adult male population of gram pod borer. • Need based spraying of quinalphos/ dichlorovos / profenophos @ 1 litre/ ha or acephate @ 1 kg/ ha depending upon the ETL of pests	10	9.4	11.6	19.14	0	8	5	-	13

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)

Kalahandi	Demonstration of HY Ragi Var. Bhairabi in unbunded upland	Ragi	Plant Height(cm) No of Effective tiller/hill-	76.995	95.136	9000	10000	14920	20830	5920	10830	1.66	2.08
Kalahandi	Performance of Sweet Corn variety 'Mishti'	Sweet corn	Plant height(cm) Cobb weight (gm)	139.3 194.4	164.2 271.6	26400	38200	44250	2,20,000	17850	181800	1.68	5.76
Kalahandi	Demonstration on intercropping of maize with cowpea	Maize & Cowpea	Plant height(cm) Cobb weight (gm)	156.6 265.5	156.8 265.9	26400	26400	41100	46140	14700	19740	1.56	1.75
Kalahandi	Demonstration of Zinc in enhancement of paddy	Paddy	No. of tiller/ hill Yield(q)	9 31.2	16 35.3	17650	18990	33535	38775	15885	19795	1.9	2.05
Kalahandi	Performance of Biofertilizer application in cauliflower	Ginger	Yield(q) Rhizome(wt)/ clum	93.6	120	85090	91850	234000	300000	148910	208150	2.75	3.29

Kalahandi	Performance of Biofertilizer application & required RDF in cabbage	Cabbage	Yield(q) Head weight(kg)	189.5 1	234.1 1.5	41250	50,100	94800	117400	59800	80600	2.71	3.18
Kalahandi	Demonstration on Performance of cassava variety	Cassava	No. of Fruit/ Plant	8	12	56000	72000	143200	133600	87200	133600	2.5	2.8
Kalahandi	Demonstration on Performance of Tricontanol (PGR) in Bittergourd	Bittergourd	Fruit Wt.(g)	87.2	102	73000	86000	174000	216000	101000	130000	2.3	2.5
Kalahandi	Demonstration Performance of Snowpea variety Swarna Trupti	Snowpea	No. of Pod/Plant No. of grain/ pod	32.2 4.6	42.9 5.2	69000	76000	231600	274800	162600	198800	3.3	3.6

Kalahandi	Demonstration on watermelon var. Arka Manik	watermelon	No. of secondary Branches/Plant Day to Harvest	15 120	18 110	79000	83000	236400	265200	157400	182200	2.9	3.1
Kalahandi	Demonstration of integrated pest management for yellow stem borer in paddy	paddy	Dead heart (%) White ear head (%)	21 26	5.5 4	18500	19000	34400	44880	15940	25880	1.8	2.3
Kalahandi	Demonstration of integrated disease management for blast in paddy	paddy	Diseases incidence (%)	27	7	16000	17500	33000	43920	17000	26420	2.0	2.5
Kalahandi	Demonstration on IDM of collar rot in groundnut	Groundnut	No. of dead plant/sq. m	5	0	19500	22000	64000	77000	44500	55000	3.2	3.5
Kalahandi	Demonstration of *Virex-H* for management of leaf curl in tomato	tomato	% of infection	17	04	61000	73000	197000	256000	136000	183000	3.2	3.5

Kalahandi	Effect of Fenbendazole on performance of goat	Goat rearing	Growth rate Rate of infection/6month	54g/day 4	120g/day 2	240/ animal/ month	450/ animal/ month	729/ animal/ Month	1620/ animal/ Month	489/ animal/ month	1170/ animal/ month	3.03	3.6
Kalahandi	Effect of liquid calcium on performance cattle	Cattle rearing	Milk Yield (L/day) Body weight gain /month (gm)	1.25 L/day 300	2.55L/ day 400	500/ animal/ month	600/ animal/ month	900/ animal/ Month	1989/ animal/ Month	400/animal/ month	1389/ animal/ month	2.5	3.3
Kalahandi	Cluster Frontline Demonstration on Groundnut	Ground nut	Yield (q/ha) Avg. no. of peg/plant- Avg no of seed/peg-	15.4 36 02	18.8 62 02	24950	27500	77000	94000	52050	66500	3.0	3.4
Kalahandi	Cluster Frontline Demonstration on Green gram	Green gram	Yield (q/ha)	5.2	6.7	10850	13580	23400	30150	12550	16570	1.86	2.22
Kalahandi	Cluster Frontline Demonstration on Chickpea	Chick pea	Yield(q/ha)-	9.4	11.6	23120	25525	47000	58000	23880	32475	2.02	2.27

3.4 Information about Home Science FLDs

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

					Problem	Farming Activity)				

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		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	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
Kalahandi	Demonstration of HY Ragi Var. Bhairabi in unbunded upland	Training and Result Demonstration	02	25	
Kalahandi	Performance of Sweet Corn variety 'Mishti'	Training and method Demonstration	02	25	
Kalahandi	Demonstration on intercropping of maize with cowpea	Training and Result Demonstration	02	25	
Kalahandi	Demonstration on Performance of Biofertilizer	Training and method	02	25	

	application in Ginger	Demonstration			
Kalahandi	Demonstration of application of Micronutrient (Zinc Sulphate) for yield enhancement in Paddy	Training and method Demonstration	02	25	
Kalahandi	Demonstration of nutrient management in tissue culture Banana	Training and field visit	02	25	
Kalahandi	Demonstration on Performance of Bio-fertilizer application in cabbage	Training and Result Demonstration	02	25	
Kalahandi	Demonstration on Performance of cassava variety 'Velyanihiswa'	Training and Result Demonstration	02	25	
Kalahandi	Demonstration on Performance of Tricontanol (PGR) in Bitter gourd	Training and method Demonstration	02	25	
Kalahandi	Demonstration on Performance of Snow pea variety Swarna Trupti	Training and method Demonstration	02	25	
Kalahandi	Demonstration of Water melon var. Arka Manik	Training to Farmer & Farm women	01	25	
Kalahandi	Demonstration of integrated pest management for yellow stem borer in paddy	Training to Farmer & Farm women	01	15	
Kalahandi	Demonstration of integrated disease management for blast in paddy	Training and method Demonstration	02	25	
Kalahandi	Demonstration on IDM of collar rot in groundnut	Training and Result Demonstration	02	25	
Kalahandi	Demonstration of *Virex-H* for management of leaf curl in tomato	Training and Result Demonstration	02	25	
Kalahandi	Effect of Fenbendazole on performance of goat	Training and method Demonstration	02	25	
Kalahandi	Effect of liquid calcium on performance cattle	Training and method Demonstration	02	25	
Kalahandi	Cluster Frontline Demonstration on Groundnut	Training on Groundnut	03	150	
		Method Demonstration	03	150	
		Result Demonstration	01	100	

		Field Day	01	100	
Kalahandi	Cluster Frontline Demonstration on Green gram	Training on Groundnut	02	100	
		Method Demonstration	02	100	
		Result Demonstration	01	100	
		Field Day	01	100	
Kalahandi	Cluster Frontline Demonstration on Chickpea	Training on Groundnut	01	50	
		Method Demonstration	01	50	
		Result Demonstration	01	75	
		Field Day	01	75	

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**
Kalahandi	Soil application of Carbofuran granules (3% G.W) with 6 times release of *Trichogramma chilonis* @50000/ha and need based management	Method Demonstration supported with lirerature.	Demonstration of Management of fruit fly in bitter gourd	-

Kalahandi	cation of neem cake 200kg/ha, applying Carbaryl 5% dust @ 25 kg/ha, poison baiting with 10 ml Malathion in one liter water with 50	Diagnostic field visit, Training imparted to vegetable growers and KMA through farmers	Demonstration of Management of fruit fly in bitter gourd	-
Kalahandi	Hexaconazole (contaf plus) @2 ml/litre, Registant variety Pratikshaya, split application of Nitrogen 25:50:25	Group discussion, method demonstration followed by result demonstration.	Demonstration on Management of sheath blight of rice	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

4. 3 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
Kalahandi	Enhancement of soil fertility by green manuring in Cotton	Diagnostic field visit and group discussion	20.05.2015, Kamthana, Bhawanipatna	10
Kalahandi	Enhancement of soil fertility by brown mannuring in paddy	PRA survey & group discussion	06.06.2015, Damodarpur, Bhawanipatna	15
Kalahandi	Seed treatment & fertilizer management in Cotton	PRA survey & group discussion	16.06.2015, Fatkamal, Kesinga	12
Kalahandi	Seed sowing, fertilizer and water management in Ragi	Field visit and interaction with villagers	01.07.15, Pipalpada, Lanjigarh	18
Kalahandi	Application of fertilizer management in Arhar cultivation	Group discussion and survey method	26.07.2015, Kamathana, Bhawanipatna	21
Kalahandi	Enhancement of profitability by applying bio fertilizer in pulses	Field visit and interaction with villagers	22.05.2015 Phatkamal	23

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Kalahandi	Integrated nutrient management in Maize production	Group discussion and village survey	03.06.2016 Dumal, Bhawanipatna	21
Kalahandi	Intercropping management of maize with cowpea	Field visit and interaction with villagers	15.06.2015 Kesinga	25
Kalahandi	Seed treatment & integrated weed management in Ground nut	Group discussion and village survey	21.07.2015 Kamthana	12
Kalahandi	Seed sowing & water management in Toria	Field visit and interaction with villagers	21.01.2016, Sundarijora, Jaipatna	20
Kalahandi	Seed treatment & integrated nutrient management in Green gram	Group discussion and village survey	16.01.2016, Rengasapali, Golamunda	16
Kalahandi	Crop diversification for sustainability, profitability and nutritional security	Field visit and interaction with villagers	24.01.2016, Goudtola, Kesinga	24
Kalahandi	Seed bed preparation technique in rice cultivation	Group discussion and village survey	04.02.2016,Danga riguda, Bhawanipatna	15
Kalahandi	Use of Bio-fertilizer in Ginger & Turmeric	Field visit and interaction with villagers	5.06.2015, Latkakhaman, Lanjigarh	20
Kalahandi	INM in cotton	Group discussion and village survey	10.06.2015, Burat, Narla	22
Kalahandi	INM in Chilli	Field visit and interaction with villagers	02.07.2015, Ghantamal, Narla	25
Kalahandi	Use of micro nutrients and bio-fertilizer in Okra.	Group discussion and village survey	06.07.2015, Latkakhaman, Lanjigarh	22
Kalahandi	Micronutrient application in cereal and millets	Field visit and interaction with villagers	29.07.2015, Latakakhaman, Lanjigarh	25
Kalahandi	Use of organic fertilizer in off season vegetable	Group discussion and village survey	30.07.2015, Dumal, Bhawanipatna	20
Kalahandi	Lime application in tomato	Field visit and interaction with	02.08.2015,	22

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
		villagers	Bhimdanga, Bhawanipatna	
Kalahandi	Organic fertilizer application in Maize	Group discussion and village survey	02.06.2015 Nandul	25
Kalahandi	Azolla cultivation and its supplementation used as organic manure	Field visit and interaction with villagers	15.07.2015 Bhangabari	22
Kalahandi	Gypsum application in sunflower	Group discussion and village survey	26.011.2015, Karlasoda, Bhawanipatna	20
Kalahandi	Micronutrient application in Brinjal	Field visit and interaction with villagers	21.07.2015 Dumerbahal	15
Kalahandi	Methods and principles of soil sampling for soil testing	Group discussion and village survey	02.08.2015 Koksara	21
Kalahandi	Propagation techniques for cassava-	Field visit and interaction with villagers	15.07.2015 Bhangabari	22
Kalahandi	Intercropping of vegetables in mango orchard	Group discussion and village survey	03.08.2015 Latakhaman	21
Kalahandi	Application of plant growth regulator in bitter gourd	Field visit and interaction with villagers	28.08.2015 Bhimadanga	20
Kalahandi	Kharif onion cultivation	Group discussion and village survey	24.09.15 Balisingha	26
Kalahandi	Role of GA3 in brinja	Field visit and interaction with villagers	02.11.2015 Balichhada	25
Kalahandi	Fertilizer management in snowpea	Group discussion and village survey	10.11.2015 Sanchiching	24
Kalahandi	Herbicide application in onion	Field visit and interaction with villagers	05.12.2105 Madhel	15
Kalahandi	Cultural practices of potato	Group discussion and village survey	09.12.2015 Chahagaon	15
Kalahandi	Nursery raising techniques for	Field visit and interaction with	14.01.2016	15

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
	watermelon	villagers	Salepali	
Kalahandi	Bio-fertilizer use in fruit crops	Group discussion and village survey	25.01.2016 Balijore	14
Kalahandi	Production techniques for gladiolus and dahlia	Field visit and interaction with villagers	01.02.2016 Dumremunda	15
Kalahandi	Management of damping off disease in brinjal and tomato in kharif season	Group discussion and village survey	11.05.2015 Borepadar	25
Kalahandi	Use of neem based pesticides in cotton crop	Field visit and interaction with villagers	23.06.2015 Dumerbahal	25
Kalahandi	Integrated Management of sheath blight disease of paddy	Group discussion and village survey	05.07.2015 Pipalpada	21
Kalahandi	Management of fruit flies in bitter guard Training	Field visit and interaction with villagers	09.07.2015 Dahal	21
Kalahandi	Safe and judicious use of pesticide in vegetable crop	Group discussion and village survey	16.08.2015 Kesinga	25
Kalahandi	Integrated pest management in green gram and black gram crop	Field visit and interaction with villagers	21.08.2015 Karlakhunta	26
Kalahandi	Bio intensive pest management strategies in cotton crop	Group discussion and village survey	15.09.2015 Kamardha	25
Kalahandi	Biological control of insect pests in vegetable crop.	Field visit and interaction with villagers	26.09.2015 Borda	22
Kalahandi	Sucking pest management in brinjal	Group discussion and village survey	04.10.2015 Muskuti	25
Kalahandi	Bacterial leaf blight disease management in onion	Field visit and interaction with villagers	12.11.2015 Balarampur	22
Kalahandi	Management of root rot disease in sunflower	Group discussion and village survey	19.11.2015 Sankhairmal	21
Kalahandi	Integrated disease management in groundnut	Field visit and interaction with villagers	24.12.2015 Pipalpada	15
Kalahandi	Training on enhancement of milk production in cattle	Field visit and interaction with villagers	22.07.2015, Kamardha	16
Kalahandi	Training on different fungal	Group discussion and village survey	1.08.2015,	15

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
	diseases affecting small ruminants		Khairbadi, Narla	
Kalahandi	Training on enhancement of egg production in duck	Field visit and interaction with villagers	06.11.2015, Jaipadar, Bhawanipatna	18
Kalahandi	Training on effect of maize on performance of cattle	Group discussion and village survey	12.11.2015, Kinipadar, M.Rampur	19
Kalahandi	Training about back yard goat farming	PRA survey & group discussion	14.11.2015, Maskuti, Narla	18
Kalahandi	Training on effect of mineral mixture on performance of cattle	Field visit and interaction with villagers	14.11.2015, jijina, Narla	15
Kalahandi	Training about back yard poultry farming	Group discussion and survey method	10.01.2016, Pipalpada, Lanjigarh	14
Kalahandi	Caring & maintanance of new born kid (both goat and cattle)	Field visit and interaction with villagers	11.01.2016, Santapur, Narla	15
Kalahandi	caring of pregnant mother (both goat and cattle)	Group discussion and survey method	19.01.2016, Balarampur, Bhawanipatna	23
Kalahandi	Recycling of farm debrises in rice based integrated farming system	Field visit and interaction with villagers	23.08.2015 Narla, Dahal	24
Kalahandi	Seed production technology in Sunflower	PRA survey & group discussion	02.02.2016, Charbahal, Koksara	25
Kalahandi	Vermicompost preparation for self employment	Field visit and interaction with villagers	28.07.2015, Ghantmal, Narla	32
Kalahandi	Organic farming for sustainable production in crops	Group discussion and survey method	27.02.2015, Junagarh	31
Kalahandi	Post harvest technology of commercial cut flower	Field visit and interaction with villagers	07.09.2015 Sanakharimal	30
Kalahandi	Protected cultivation of capsicum	Group discussion and survey method	14.04.2015 baladiamal	32
Kalahandi	Integrated disease management in cotton	PRA survey & group discussion	14.07.2015 Muskuti	15
Kalahandi	Integrated pest management of off season vegetable	Field visit and interaction with villagers	07.08.2015 Ghantamal	14

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Kalahandi	Vaccination of large ruminants	Group discussion and survey method	06.02.2016, Fatkamal, Kesinga	22
Kalahandi	Optimum use of Agricultural waste for sustainable rural livelihood	Field visit and interaction with villagers	30.05.2015, Latkakhaman, Lanjigarh	21
Kalahandi	Round the year income generation through integrated farming system approach	Group discussion and survey method	15.02.2016, Ratul Narla	23
Kalahandi	Preservation of fruits and vegetables for sustainable livelihood	Field visit and interaction with villagers	23.11.2015 Latakakhaman, Lanjigarh	25
Kalahandi	Innovative agriculture project for sustainable livelihood	Group discussion and survey method	15.01.2016 Goudota , Kesinga	25
Kalahandi	Package of practices & recommendation on Cotton cultivation	Field visit and interaction with villagers	23.12.2015 KVK, Kalahandi	21
Kalahandi	Integrated farming system for sustainable rural livelihood	Group discussion and survey method	11.01.2016, KVK, Bhawanipatna	24
Kalahandi	Selection of suitable fertilizers and calculation of fertilizers dose	Field visit and interaction with villagers	20.02.2016, KVK, Kalahandi	26
Kalahandi	Bio-fertilizer in Solanaceous crop	Group discussion and survey method	25.02.2016, KVK,Kalahandi	10
Kalahandi	Grading, packing and marketing of horticultural crops	Group discussion and survey method	30.10.2015 KVK, Kalahandi	15
Kalahandi	low cost polyhouse techniques	Group discussion and survey method	10.03.2016 KVK, Kalahandi	12
Kalahandi	Integrated pest management strategies in paddy.	Group discussion and survey method	24.12.2015 KVK, Kalahandi	18
Kalahandi	Safety precautions and use of proper dose of pesticides and fungicides in field crops	Group discussion and survey method	02.01.2016 KVK, Kalahandi	21
Kalahandi	Reproductive technology used in goat	Group discussion and survey method	08.08.2015, CDVO Office,	23

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
			Bhawanipatna	
Kalahandi	Reproductive technology used in cattle	Group discussion and survey method	1.03.2016, CDVO Office, Bhawanipatna	21
Kalahandi	Market-led challenges & opportunities in Agriculture Extension	Field visit and interaction with villagers	05.08.2015, KVK, Kalahandi	25
Kalahandi	Participatory training and curriculum development for Farmer Field Schools	PRA survey & group discussion	22.01.2016, KVK, Kalahandi	12
Kalahandi	Designing and developing farm Publications	Field visit and interaction with villagers	22.11.2015, KVK, Kalahandi	20
Kalahandi	Watershed development- An integrated development approach for rural communities	Group discussion and survey method	24.02.2016, KVK, Kalahandi	16
Kalahandi	Techniques for designing training programme	Field visit and interaction with villagers	08.02.2016, KVK,Kalahandi	24
Kalahandi	Method, Technique and procedure for Project planning	Group discussion and survey method	03.03.2016, KVK, Kalahandi	15
Kalahandi	Agro-eco-system analysis through participatory approaches	PRA survey & group discussion	15.12.2015, KVK, Kalahandi	20

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	Cate-gory	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
Kalahandi	OFC	F/FW	CRP	Enhancement of soil fertility by green manuring in Cotton	1	1	0	0	0	0	13	1	6	5
Kalahandi	OFC	F/FW	CRP	Enhancement of soil fertility by brown mannuring in paddy	1	1	0	0	0	1	1	1	12	10
Kalahandi	OFC	F/FW	CRP	Seed treatment & fertilizer management in Cotton	1	1	0	0	1	0	11	0	13	0
Kalahandi	OFC	F/FW	CRP	Seed sowing, fertilizer and water management in Ragi	1	1	0	0	0	0	17	8	0	0
Kalahandi	OFC	F/FW	CRP	Application of fertilizer management in Arhar cultivation	1	1	0	0	0	0	17	1	7	0
Kalahandi	OFC	F/FW	CRP	Enhancement of profitability by applying bio fertilizer in pulses	1	1	0	0	2	0	9	0	14	0
Kalahandi	OFC	F/FW	CRP	Integrated nutrient management in Maize production	1	1	0	0	0	0	4	0	21	0
Kalahandi	OFC	F/FW		Intercropping management of maize	1	1	2	0	5	0	2	0	16	0

Name of KVK	Cate -gory	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
				with cowpea1										
Kalahandi	OFC	F/FW		Seed treatment & integrated weed management in Ground nut	1	1	0	0	06	0	9	0	10	0
Kalahandi	OFC	F/FW		Seed sowing & water management in Toria	1	1	5	0	13	0	3	0	4	0
Kalahandi	OFC	F/FW		Seed treatment & integrated nutrient management in Green gram	1	1	0	1	10	0	9	0	5	0
Kalahandi	OFC	F/FW		Crop diversification for sustainability, profitability and nutritional security	1	1	0	0	0	0	2	0	23	0
Kalahandi	OFC	F/FW		Seed bed preparation technique in rice cultivation	1	1	0	0	0	0	1	1	20	3
Kalahandi	OFC	F/FW	SFM	Use of Bio-fertilizer in Ginger & Turmeric	1	1	0	0	0	0	19	6	0	0
Kalahandi	OFC	F/FW	SFM	INM in cotton	1	1	4	0	0	0	3	0	18	0
Kalahandi	OFC	F/FW	SFM	INM in Chilli	1	1	16	0	2	0	2	0	5	0
Kalahandi	OFC	F/FW	SFM	Use of micro nutrients and bio-fertilizer in Okra.	1	1	0	0	0	0	17	5	4	0
Kalahandi	OFC	F/FW	SFM	Micronutrient application in cereal and millets	1	1	0	0	0	0	18	7	0	0

Name of KVK	Cate -gory	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
Kalahandi	OFC	F/FW	SFM	Use of organic fertilizer in off season vegetable	1	1	0	02	0	0	7	0	16	0
Kalahandi	OFC	F/FW	SFM	Lime application in tomato	1	1	5	2	1	2	11	2	2	0
Kalahandi	OFC	F/FW	SFM	Organic fertilizer application in Maize	1	1	5	3	2	1	2	0	12	0
Kalahandi	OFC	F/FW	SFM	Gypsum application in sunflower	1	1	0	2	6	3	12	0	2	0
Kalahandi	OFC	F/FW	HOV	Propagation techniques for cassava-	01	01	0	0	2	0	3	1	6	13
Kalahandi	OFC	F/FW	HOV	Intercropping of vegetables in mango orchard	01	01	0	0	1	0	12	11	1	0
Kalahandi	OFC	F/FW	HOV	Application of plant growth regulator in bitter gourd	01	01	0	0	0	0	22	3	0	0
Kalahandi	OFC	F/FW	HOV	Kharif onion cultivation	01	01	2	0	6	0	8	0	6	0
Kalahandi	OFC	F/FW	HOV	Role of GA3 in brinja	01	01	0	0	0	1	1	0	22	1
Kalahandi	OFC	F/FW	HOV	Fertilizer management in snowpea	01	01	0	0	25	0	0	0	0	0
Kalahandi	OFC	F/FW	HOV	Herbicide application in onion	01	01	0	0	4	0	5	0	16	0
Kalahand	OFC	F/FW	HOV	Cultural practices of	01	01	0	0	3	0	0	0	18	4

Name of KVK	Cate -gory	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
i				potato										
Kalahandi	OFC	F/FW	HOV	Nursery raising techniques for watermelon	01	01	0	0	1	0	7	0	17	0
Kalahandi	OFC	F/FW	HOV	Bio-fertilizer use in fruit crops	01	01	0	0	3	0	19	3	0	0
Kalahandi	OFC	F/FW	HOV	Production techniques for gladiolus and dahlia	01	01	0	0	1	0	6	3	12	3
Kalahandi	OFC	F/FW	PLP	Management of damping off disease in brinjal and tomato in kharif season	01	01	0	0	1	0	2	0	22	0
Kalahandi	OFC	F/FW	PLP	Use of neem based pesticides in cotton crop	01	01	0	0	10	0	2	1	10	2
Kalahandi	OFC	F/FW	PLP	Integrated Management of sheath blight disease of paddy	01	01	0	0	5	1	2	1	13	3
Kalahandi	OFC	F/FW	PLP	Management of fruit flies in bitter guard Training	01	01	0	0	0	0	1	0	23	1
Kalahandi	OFC	F/FW	PLP	Safe and judicious use of pesticide in vegetable crop	01	01	3	0	4	0	11	0	7	0
Kalahandi	OFC	F/FW	PLP	Integrated pest management in green gram and black gram crop	01	01	0	0	7	2	3	0	11	2
Kalahandi	OFC	F/FW	PLP	Bio intensive pest management	01	01	0	0	1	0	5	0	15	4

Name of KVK	Cate -gory	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
				strategies in cotton crop										
Kalahandi	OFC	F/FW	PLP	Biological control of insect pests in vegetable crop.	01	01	0	0	0	0	5	0	20	0
Kalahandi	OFC	F/FW	PLP	Sucking pest management in brinjal	01	01	0	0	1	0	8	0	16	0
Kalahandi	OFC	F/FW	PLP	Bacterial leaf blight disease management in onion	01	01	0	0	3	1	3	0	18	0
Kalahandi	OFC	F/FW	PLP	Management of root rot disease in sunflower	01	01	0	0	1	0	13	5	3	3
Kalahandi	OFC	F/FW	PLP	Integrated disease management in groundnut	01	01	12	0	1	0	5	0	0	0
Kalahandi	OFC	F/FW	LPM	Training on enhancement of milk production in cattle	01	01	1	0	2	0	16	0	6	0
Kalahandi	OFC	F/FW	LPM	Training on different fungal diseases affecting small ruminants	01	01	0	0	0	0	1	0	24	0
Kalahandi	OFC	F/FW	LPM	training on enhancement of egg production in duck	01	01	0	0	4	1	6	0	14	0
Kalahandi	OFC	F/FW	LPM	Training on effect of maize on performance of cattle	01	01	0	0	3	1	0	0	21	0
Kalahandi	OFC	F/FW	LPM	training about back yard goat farming	01	01	0	0	0	0	15	10	0	0

Name of KVK	Cate -gory	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
Kalahandi	OFC	F/FW	LPM	training on effect of mineral mixture on performance of cattle	01	01	0	0	1	0	4	0	20	0
Kalahandi	OFC	F/FW	LPM	training about back yard poultry farming	01	01	0	0	3	0	10	0	12	0
Kalahandi	OFC	F/FW	LPM	Caring & maintenance of new born kid (both goat and cattle)	01	01	0	0	0	0	17	8	0	0
Kalahandi	OFC	F/FW	LPM	caring of pregnant mother (both goat and cattle)	01	01	0	0	1	0	15	1	8	0
Kalahandi	OFC	RY	RHY	Recycling of farm debrises in rice based integrated farming system	01	01	0	0	0	0	22	03	0	0
Kalahandi	OFC	RHY	RHY	Vermi compost preparation for self employment	02	02	0	0	1	0	1	0	13	0
Kalahandi	OFC	RY	RHY	Organic farming for sustainable production in crops	01	02	1	0	9	0	2	0	3	0
Kalahandi	OFC	RY	RHY	Post harvest technology of commercial cut flower	01	02	8	0	1	0	2	0	4	0
Kalahandi	OFC	RY	RHY	Protected cultivation of capsicum	01	03	0	0	5	0	0	0	7	3
Kalahandi	OFC	RY	RHY	Integrated disease management in cotton	01	03	0	0	2	0	1	1	9	2
Kalahand	OFC	RY	RHY	Integrated pest	02	02	1	0	0	0	14	0	0	0

Name of KVK	Cate -gory	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
i				management of off season vegetable										
Kalahandi	OFC	RY	RHY	Vaccination of large ruminants	02	02	0	0	0	0	2	0	13	0
Kalahandi	OFC	RY	RHY	Optimum use of Agricultural waste for sustainable rural livelihood	03	03	0	0	0	0	3	0	12	0
Kalahandi	OFC	RY	RHY	Alternative employment opportunity for rural women through dehydrated product of cereal & pulses	03	03	0	0	0	0	0	15	0	0
Kalahandi	OFC	RY	RHY	Preservation of fruits and vegetables for sustainable livelihood	01	01	0	0	0	0	1	1	13	0
Kalahandi	OFC	RY	RHY	Round the year income generation through integrated farming system approach	03	03	0	0	3	0	11	1	0	0
Kalahandi	IS	ONC	EXP	Package of practices & recommendation on Cotton cultivation	01	01	0	0	3	0	0	0	12	0
Kalahandi	IS	ONC	EXP	Selection of suitable fertilizers and calculation of fertilizers dose	01	01	0	0	2	0	2	0	6	0
Kalahandi	IS	ONC	EXP	Bio-fertilizer in Solanaceous crop	01	01	2	0	3	0	3	0	2	0
Kalahand	IS	ONC	EXP	Grading, packing and	01	02	3	0	2	1	0	2	2	0

Name of KVK	Cate -gory	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
i				marketing of horticultural crops										
Kalahandi	IS	ONC	EXP	low cost polyhouse techniques	01	02	0	0	0	1	1	0	7	1
Kalahandi	IS	ONC	EXP	Integrated pest management strategies in paddy.	02	02	0	0	1	0	1	1	6	1
Kalahandi	IS	ONC	EXP	Safety precautions and use of proper dose of pesticides and fungicides in field crops	02	02	5	0	0	0	0	0	5	0
Kalahandi	IS	ONC	EXP	Reproductive technology used in goat	02	02	2	0	0	3	0	0	5	0
Kalahandi	IS	ONC	EXP	Reproductive technology used in cattle	02	02	0	9	1	0	0	0	0	0
Kalahandi	IS	ONC	EXP	Market-led challenges & opportunities in Agriculture Extension	02	02	0	9	1	0	0	0	0	0
Kalahandi	IS	ONC	EXP	Participatory training and curriculum development for Farmer Field Schools	02	02	0	0	3	0	4	0	2	1
Kalahandi	IS	ONC	EXP	Designing and developing farm Publications	01	01	0	0	1	0	3	0	6	0
Kalahandi	IS	ONC	EXP	Watershed development- An integrated development	02	02	0	0	0	0	1	0	4	5

Name of KVK	Cate -gory	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
				approach for rural communities										
Kalahandi	IS	ONC	EXP	Techniques for designing training programme	01	01	0	0	0	0	1	0	9	0
Kalahandi	IS	ONC	EXP	Project preparation and evaluation	01	01	0	0	0	0	1	0	9	0
Kalahandi	IS	ONC	EXP	Agro-eco-system analysis through participatory approaches	01	01	0	0	0	0	0	0	9	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

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

	Title						No. of Participants		

Name of KVK		Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	Gen		Others		SC		ST		Sponsoring Agency	Fund received for training (Rs.)
							M	F	M	F	M	F	M	F		
Kalahandi	Skill development training programme on soil testing and soil health management	-	-	RY	30	09	**13**	**0**	**0**	**0**	**2**	**0**	**15**	**0**	Watershed Development Mission, Bhubaneswar	4,39,000
Kalahandi	Soil health card scheme to the line department	-	-	IS	02	08	**8**	**6**	**0**	**0**	**9**	**0**	**7**	**0**	Deputy Director of Agriculture, Kalahandi	30000
Kalahandi	Soil health card scheme to the Farmers	-	-	FW	02	08	6	7	2	0	3	0	6	1	Deputy Director of Agriculture, Kalahandi	30000
Kalahandi	Awareness Training programme on PPV &FRA	-	-	FW	01	08	0	0	77	2	10	0	11	0	Protection of Plant Varieties and Framers' Right Authority, New Delhi	78800
Kalahandi	Pradhan Mantry Fasala Bima Yojana	-	-	IS	01	08	11	1	190	2	15	0	48	0	Govt. Of India	1,84,297

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

	Title						No. of Participants		

Name of KVK		Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	Gen		Others		SC		ST		Sponsoring Agency	Fund received for training (Rs.)
							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	
Kalahandi	Optimum use of Agricultural waste for sustainable rural livelihood	15	04	08	--	--	22000	45000	1. Approximately 80 farm families were benefitted 2. 150 3. 45
Kalahandi	Integrated disease management in cotton	15	05	09	12	17	56000	65000	1.80ha 2.220 3.52
Kalahandi	Training about Care and maintenance of backyard poultry farming	25	03	06	--	--	12000	23000	1. Approximately 50 farm families were benefitted 2. 120 3. 50

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Kalahandi	Field Day	03	03	131	13	118	13	15	06			
Kalahandi	Kisan Mela	02	02	201	23	270	16	29	12			
Kalahandi	Kisan Ghosthi	-	-	-	-	-	-	-	-			
Kalahandi	Exhibition	04	03	343	32	224	11	120	15			
Kalahandi	Film Show	05	02	78	21	42	10	32	18			
Kalahandi	Method Demonstrations	20	18	87	35	99	19	14	12			
Kalahandi	Farmers Seminar	-	-	-	-	-	-	-	-			
Kalahandi	Workshop	1	2	28	-	22	-	17	15			
Kalahandi	Group meetings	-	-	-	-	-	-	-	-			
Kalahandi	Lectures delivered as resource persons	25	28	185	96	149	65	16	08			
Kalahandi	Newspaper coverage	12	10	-	-	-	-	-	-			
Kalahandi	Radio talks	05	02	-	-	-	-	-	-			
Kalahandi	TV talks	12	14	-	-	-	-	-	-			
Kalahandi	Popular articles	05	02	-	-	-	-	-	-			
Kalahandi	Extension Literature	05	05	-	-	-	-	-	-			
Kalahandi	Farm advisory Services	-	-	-	-	-	-	-	-			
Kalahandi	Scientific visit to farmers field	110	107	394	76	241	12	-	-			
Kalahandi	Farmers visit to KVK	350	322	151	16	188	12	-	-			
Kalahandi	Diagnostic visits	24	24	85	12	55	02	-	-			
Kalahandi	Exposure visits	-	-	-	-	-	-	-	-			
Kalahandi	Ex-trainees Sammelan	2	-	-	-	-	-	-	-			
Kalahandi	Soil health Camp	2	1	27	-	23	-	7	5			
Kalahandi	Animal Health Camp	2	2	25	05	21	04	8	4			
Kalahandi	Agri mobile clinic	-	-	-	-	-	-	-	-			
Kalahandi	Soil test campaigns	-	-	-	-	-	-	-	-			
Kalahandi	Farm Science Club conveners meet	4	2	43	8	49	-	21	12			

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension				
				M	F	M	F	M	F	Purpose	Topic s	Crop Stages
Kalahandi	Self Help Group conveners meetings	2	1	-	32	-	18	5	9			
Kalahandi	Mahila Mandals conveners meetings	2	2	-	32	-	28	5	9			
	Celebration of important days (World environment day)	5	2	37	21	25	38	16	08			

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
Kalahandi	September, 2015	April to September, 2015	500	400
Kalahandi	March, 2016	October to March, 2016	500	400

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Kalahandi	Extension Literature	Kalahandi district at a glance	Senior scientist & head and all the staff of KVK, Kalahandi	500
Kalahandi	Extension Literature	Performance of Crop Cafeteria	Senior scientist & head and all the staff of KVK, Kalahandi	500
Kalahandi	Extension Literature	Year Planner2015-16	Senior scientist & head and all the staff of KVK, Kalahandi	500
Kalahandi	Extension Literature	Contingent crop plan of Kalahandi district	Senior scientist & head and all the staff of KVK, Kalahandi	500
Kalahandi	Extension Literature	Agricultural spots of Kalahandi district	Senior scientist & head and all the staff of KVK, Kalahandi	500
Kalahandi	Extension Literature	Vaigyanika Padhatire Haladi Chasa	G.R.Sahoo, M.Jena and ,Dr.H.N.Malik	500
Kalahandi	Extension	Byabasayika Bhittire aloo chasa	T. Majhi, G.Prasad, L.Mallik, and S.Das	500

	Literature			
Kalahandi	Extension Literature	Gruhapalita pranimananakara pratishedhaka teeka karana	Dr. H.N.Malick, Srikrushna Behera and T.K.Das	500
Kalahandi	Extension Literature	Byabasayika Bhitire Palachhatu chasa pranali	M.Jena, T.K.Das and P. Swain	500
Kalahandi	Extension Literature	Unnata pranalire Piaja chasa	T.Majhi, L.Mallik and T.K.Das	500

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Kalahandi	DVD	World soil Day	01
Kalahandi	DVD	Pradhan Mantry Fasala Beema Yojana	01

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.)
Kalahandi	Foundation	Paddy	Mandakini	103	250702	-	-
Kalahandi	Foundation	Paddy	Ranidh	118.4	288185.6	-	-
Kalahandi	Paddy Straw	Paddy Straw	Straw	15	1500	-	-
Kalahandi	Undersized seed	Paddy	Mandakini	2.8	700	-	-

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Kalahandi	seedling	Brinjal seedling	VNR 212, Navkiran,	5775	3465	35	-
Kalahandi	seedling	Tomato seedling	Lakhmi, Abhilash	2600	1560	18	-
Kalahandi	seedling	Chilly seedling	Super Jhankar, VNR-305	1430	1001	12	-
Kalahandi	seedling	Cabbage seedling	Kohinoor,	3300	2640	50	-
Kalahandi	seedling	Cauliflower seedling	Megha, Deepa	2905	2033.5	25	-
Kalahandi	seedling	Marigold seedling	Ceracole	3892	1168	32	-
Kalahandi	seedling	Papaya seedling	Red Lady	30	750	6	-
Kalahandi	seedling	Mango graft	Amrapali, Bombay Green	33	825	5	-

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.)
Kalahandi	Bio Agents	Earthworm	4	--	2000	2	--
Kalahandi	Bio Fertilizer	Vermi compost	2900	--	14500	11	--
Kalahandi	Mushroom	Paddy & Oyster Mushroom	74	--	7680	125	
Kalahandi	Mushroom Spawn Bottle	(Paddy straw & oyster)Spawn Bottle	430	--	6880	22	--

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
Kalahandi	Poultry Bird	Vanaraja poultry bird	21 old days chick	438	21900	21

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)
Kalahandi	Functioning	March, 2005	Village survey	1050	5250	48	-	620

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)
Kalahandi	Functioning	March, 2005	Village survey	05	05	03	-	05

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/ RY/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)

Kalahandi	June	2015	Participate in line department Training programme	3 days	20	3	--	25
Kalahandi	July	2015	MMM, Pvt. Ltd. Training Programme	11 days	24	11 days	--	25
Kalahandi	Sept to Oct	2015	Skill Development Training Programme on Soil Testing and soil health management	30 days	30	30	--	25
Kalahandi	Novembe r	2015	PPSU, RKVY, Irrigation Division	1 day	20	1 day	--	25
Kalahandi	Novembe r	2015	PPSU, RKVY, Irrigation Division	1 day	20	1 day	--	25
Kalahandi	Novembe r	2015	Asst. Agriculture Engineer Training Programme	20days	30	20days	--	25
Kalahandi	February	2016	PPSU, Nodal Officer Nuapada Training Programme	1 day	30	1 day	--	25
Kalahandi	February	2016	PPSU, Nodal Office Nuapada Training Programme	1 day	30	1 day	--	25
Kalahandi	February	2016	PPSU, Nodal Office Nuapada Training Programme	1 day	20	1 day	--	25
Kalahandi	February	2016	Principal ,RITE, Bolangir Training Programme	1 day	17	1 day	--	25
Kalahandi	March	2016	FES, Angul Training Programme	2 days	27	2 days	--	25

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**
Kalahandi	2011	2012	02	-	-

13. Details of SAC Meeting

KVK Name	**Date of SAC meeting**	**No. of SAC members attended**	**Major recommendations**
Kalahandi	22.08.2015	40	➢ Demonstration on export oriented super fine aromatic rice variety. ➢ Development of farmer promoters for better horizontal expansion of the agricultural technologies. ➢ Emphasis should be given on Demonstration on Kharif onion cultivation

			➢ Demonstration and Popularization of sweet corn maize variety. ➢ Integrated farming system model to be developed in each adopted villages ➢ Training should be imparted for creating employment opportunity for rural youth and Self Help Group members
Kalahandi	22.12.2015	40	➢ Strategic plan to be made for encouraging dairy farmers for fodder crop cultivation. ➢ Training to be conducted on preservation, processing and value added products of fruits & vegetables. ➢ Promotion of organic farming and soil health campaign to be conducted in each adopted village. ➢ KMA services should not only include weather forecast and agriculture related messages but also include veterinary, fishery, marketing and service related messages.

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.**		
Kalahandi	54	6900	350	Farmers Portal	Weather forecast Agronomic practices of field & Horticulture crops, plant protection measure, soil health & livestock related messages etc.

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**
Kalahandi	Bringing Green Revolution in Eastern India	State	50000	Monitoring and diagnostic field visit to all the BGREI block.	Kalahandi district	--

Kalahandi	Soil Health Card Scheme (Training to Farmer and line staffs)	State	60000	Training imparted to the beneficiaries regarding soil health and soil testing and data entry in soil health card.	Kalahandi district	--

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Kalahandi	31944687691	84,154	3,53,569	3,53,569

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/ Inst./Farmer)	Awarding Organizations	Amount received
Kalahandi	Sj. Senpal Verma, Jurkabhadi, Kesinga Progressive Farmer	Individual Farmer	54th Foundation Day of Odisha University of Agriculture & Technology, Bhubaneswar	--

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)	Nos.
Kalahandi	Crop Cafeteria	Brinjal seedling	5775
		Tomato seedling	2600
		Chilly seedling	1430
		Cabbage seedling	3300
		Cauliflower seedling	2905
		Marigold seedling	3892
		Papaya seedling	30

		Mango graft	33
Kalahandi	Technology Desk	--	--
Kalahandi	Visitors Gallery	--	--
Kalahandi	Technology Exhibition	--	--
Kalahandi	Technology Gate-Valve	--	--

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	--	--

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

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1.	Kalahandi	Durga Charan Pradhan	Cotton Ridger	At- Bangalipada, Po- Kikia, Via- Utkela, Block- Kesinga, Dist- Kalahandi Mobile no- 91-9583474582
2.	Kalahandi	Indubhusan Swain	Banana cultivation	At/Po-Boria Via- Utkela, Block- Kesinga, Dist-Kalahandi Mobile no- 91-9938090828
3.	Kalahandi	Ghanashyam Verma	Agro-forestry model	Village-Jurkabadi, Block- Kesinga Mobile no-91-9938514100
4.	Kalahandi	Prahallad Budhia	Integrated farming system	Village- Kanakpur,Block- Bhawaniatna Mobile no- 8018698722 / 7894581168
5.	Kalahandi	Ajit Pradhan	Hybrid Paddy	Village-Dahal, Po-Kandel, Block- Narla Mobile no- 91-9777870404
6.	Kalahandi	Janmenjaya Mahapatra	Pond based farming system	Village-Durduri, Block- Bhawanipatna Mobile no- 91-9777870404
7.	Kalahandi	Murali Budhia	Integrated Farming system	Village- Kanakpur,Block- Bhawaniatna Mobile no- 91-7894581168
8.	Kalahandi	Kesab Chandra Bhoi	Hybrid sunflower production	At/Po-Kashrupada, Block- Kesinga Mobile no- 91-7894581168
9.	Kalahandi	Ahalya Sahu	Mushroom Production	Village- Malgaon Block- Bhwanipatna Mobile no- 91-9777463293
10.	Kalahandi	Ashok Kumar Pattnaik	Poultry farming	Village- Ghantabahali, Block- Junagarh

				Mobile no- 91-9439120060

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	February, 2016 (02 no)	50

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Kalahandi	9	12	52	141

Intensive- OFTS, FLDS etc
Extensive- Literatures, Publications, Awareness programmes etc.

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

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

23. KVK Ring

Sl. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
Kalahandi	KVK, Nuapada	Resource sharing, Knowledge sharing, Distribution of technical material (News letter, Extension literature)	Easy transfer of regional technology to nearby districts.
Kalahandi	KVK, Bolangir	Resource sharing, Knowledge sharing, Distribution of technical material (News letter, Extension literature)	Easy transfer of regional technology to nearby districts.

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Kalahandi	Dr. P.K.Banerjee Jt. Director	22.08.2015	--	OUAT, Bhubaneswar	--	--

	Extension, DEE,OUAT					
Kalahandi	Dr. Subash Chandra Mohapatra Joint Director Extension, DEE, OUAT, BBSR	14.10.2016	--	OUAT, Bhubaneswar	--	--
Kalahandi	Dr. G. Suresh, Principal Scientist and Convener Monitoring Team AICRP, Castor, IIOR, Hydrabad	09.11.2015	Indian Institute of Oilseed Research, Hyderabad	-	--	--
Kalahandi	Gary Gamor, Care NGO,USA	16.12.2015	--	--	CARE USA	--
Kalahandi	Dr. Subash Chandra Mohapatra Joint Director Extension, DEE, OUAT, BBSR	22.12.2015	--	OUAT, Bhubaneswar	--	--
Kalahandi	Dr. S.R.K.Singh Sr. Scientist, ICAR-ATARI,Jabalpur	20.01.2016	Agriculture Technology application and Transfer Station, Jabalpur	--	--	--
Kalahandi	Dr. S.R. Das, Honorary Professor PBG, CA,Bhubaneswar, OUAT	22.02.2016	--	OUAT, Bhubaneswar	--	--
Kalahandi	Dr. B.D.Pradhan, Professor PBG, CA, Bhubaneswar, OUAT	22.02.2016	--	OUAT, Bhubaneswar	--	--
Kalahandi	Dr. Subash Chandra Mohapatra Joint Director Extension, DEE, OUAT, BBSR	22.02.2016	--	OUAT, Bhubaneswar	--	--
Kalahandi	Dr. D.Parida, ADR Seed, Bhubaneswar	22.02.2016	--	OUAT, Bhubaneswar	--	--
Kalahandi	Deepak Kumar Mishra, Care-Pathway Project,NRMC	11.03.2016	--	--	CARE India NGO	--

25. Status of KVK Website:

Sr. No.	**Name of KVK**	**Date of start of website**	**No. of updates since inception**	**No. of visitors**
	Kalahandi	**www.kalahandikvk.org**	05	4100

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

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Kalahandi	**01**	**01**	**--**

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
	Kalahandi	**--**	**--**	**--**

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kalahandi	Tapan Kumar Das Scientist (Plant Protection)	**Scientist (Plant Protection)**	Review Cum Workshop of NICRA Project, ZPD VII, Jabalpur	5-6th May, 2015
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Training cum workshop for Extension Professionals, IGKV, Raipur	17-18th June, 2015,
Kalahandi	Tulasi Majhi Scientist(Horticulture)	Scientist(Horticulture)	Action plan for workshop on weed management, Weed Science Research, Jabalpur, MP	19-20th May, 2015
Kalahandi	Tulasi Majhi Scientist(Horticulture)	Scientist(Horticulture)	Nutritional Rich Vegetables Crops for KVK , IIVR, Varanasi, UP	11-13th August, 2015

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Kalahandi	03	04

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	Review Meeting on Soil Health card Preparation, DEE, Bhubaneswar	30th October, 2015
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	State level Agro-biodiversity Exhibition cum Fair, Semiliguda, Odisha	7-8th November, 2015
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	Training cum workshop on Cluster Demonstration, Directorate of Extension Education, Bhubaneswar	26th November, 2015,
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	Zonal Workshop on Cluster Front Line Demonstration on Oilseed and Pulses, Biju Pattnaikm Hall, OUAT, Bhubaneswar	5-6th January, 2016,
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	Review Meeting of NICRA Project and Cluster FLD of oilseed and pulses, Directorate of Extension Education, Bhubaneswar	
Kalahandi	Tapan Kumar Das ProgrammeCoordinator(I/c)	ProgrammeCoordinator(I/c)	HRD Training on Issues and opportunities in agriculture on present climate change scenario, Directorate of Extension Education, Bhubaneswar	29-30th January, 2016,
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Review Cum Action plan workshop of for the year 2015-16, Directorate of Extension Education, Bhubaneswar	18-19th May, 2015
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Review Meeting of KVKs of Odisha, Directorate of Extension Education, Bhubaneswar	13-14th August, 2015,
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Half yearly Review Meeting of KVKs of Odisha, Directorate of Extension Education, Bhubaneswar	1-7th October, 2015,
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Training on Rabi Cluster Demonstration for the year, 2015-16, Directorate of Extension Education, Bhubaneswar	26-27th December,
Kalahandi	Madhumita Jena Scientist (Extension)	Scientist (Extension)	Zonal Workshop on Cluster Front Line Demonstration on Oilseed and Pulses,	5-6th January, 2016,

Kalahandi	Tulasi Majhi Scientist(Horticulture)	Scientist(Horticulture)	State level training Programme on Oil palm Production Technology, Directorate of Horticulture, Bhubnaeswar	6-7th November, 2015

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Kalahandi	**03**	**12**

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
Kalahandi				

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
Kalahandi	Farmer Scientist Interaction	01	50	Crop
Kalahandi	Video show	01	50	Crop & Animal
Kalahandi	Self Help group Convener meet	01	50	Crop
Kalahandi	Swacch Bharat Abhiyan-Awareness Campaign	01	50	--
Kalahandi	Animal Health Camp	01	50	Animal

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

Verms Produced

Name of KVK	Verms 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
Paddy cultivation	Paddy	10			20
Cotton+ Arhar intercropping system	Shalimar+ Asha	20			40
SRI method of paddy cultivation	Paddy	10			20
Cultivation of high yielding black gram variety- T-9 & Prasad					
Cultivation of tuber crops like YAM, EFY, Sweet potato and Cassava	YAM, EFY, Sweet potato and Cassava	2			10
cultivation of cabbage	cabbage	2			5
Seed for green / brown manuring	Dhanicha and Chani	20			40
Intercropping systems	Mize + Cow pea	2			5
Community nursery	Brinjal, Tomato, Chilli	0.4			20
Integrated crop management IPM in cotton	Cotton	20			40
Integrated Farming systems	finger lings, papaya seedling, drumstick seedling, Arhar Seed and poultry chicks	2			40
Back yard poultry farming (Rearing of Vanaraja in back yard)	Vanaraja	300 nos			50
Introduction of	Goat	10 nos			20

registered goat breed					
Mix fish production in village tank	Fish	2 unit			50
Vaccination and feed supplement in large and small ruminants	Cattle, Goat	200 nos.			50

2. Proposed Extension Activities in NICRA Village

Name of Activity	**Number of Participants/Beneficiaries to be Covered**			
	Farmers	**Farm Women**	**Official**	**Total**
Exposure visit of farmers	--	--	--	**60**
Strengthen - SHG	--	--	--	**40**
Integrated farming system	--	--	--	**80**
Field days	--	--	--	**100**
Method demonstrations	--	--	--	**100**
Awareness	--	--	--	**100**
Field day on stress tolerant paddy varieties	--	--	--	50
Field day on back yard poultry farming	--	--	--	50
Field day on packages and practices of black gram cultivation	--	--	--	50
Field day on method of mushroom cultivation	--	--	--	50
Field day on vaccination to livestocks	--	--	--	50
Field day on Cotton with Arhar inter cropping	--	--	--	50

3. Proposed Training Activities in NICRA Village

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

SRI method of paddy cultivation in drought prone areas	--	--	--	25
Pest management as a preventive measures to tackle insect infestation in cotton crop	--	--	--	25
Role of farm mechanization in sustainable agriculture	--	--	--	25
Plantation of different stress tolerant verities in high sloppy land	--	--	--	25
Propagation techniques for tuber crops				25
Importance of soil testing and soil health management in farm practices	--	--	--	25
Method for Vermicompost production and its significance in field application	--	--	--	25
Importance of vaccination to large and small ruminants	--	--	--	25
Sporadic pest and disease management in stress tolerant crops	--	--	--	25
Nursery raising techniques for vegetable	--	--	--	25
Care and feeding management practices for back yard poultry	--	--	--	25
Significance of	--	--	--	25

mushroom cultivation in drought prone area				
Post harvest technology for paddy and pulses seeds	--	--	--	25

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
2016	10 quintal (Hybrid napier)	

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status
2016	10 quintal (Black gram) 10 quintal (Paddy)	

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

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
Dr. Subash Chandra Mohapatra	Joint Director, DEE, OUAT	22.12.2015	
Dr. Subash Chandra Mohapatra, Joint Director, DEE, OUAT,	Joint Director, DEE, OUAT	20.1.16	
Dr. S.R.K. Singh	Sr. Scientist, ZPD VIII, ATARI, Jabalpur	20.1.16	
Dr. R.K. Pattanaik	Associate Dean, COA, Bhawanipatna	13.2.16	
Mr. Laxaman Kumar Palta Singh	DDA, Kalahandi	13.2.16	

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

Pond based farming system for livelihood sustainability.

Jailal Kaibarta is a 46 year old Schedule Tribe farmer of Bhawanipatna block who had taken up pisciculture as his livelihood source of income. His family consists of 4 members, his wife, one son and daughter. He depends upon on fingerling production to run his family. Due to traditionally pisciculture practice and lack of scientific management and technological backstopping he used to get low return from fingerling production. During a diagnostic field visit he came in contact with the scientist of KVK and discussed about the problem faced by him in the fingerling production.

Intervention- He was told to upgrade his knowledge regarding fingerling production and imparted training on design and layout of fish pond, liming of the pond, aquatic insect control in nursery pond, Probiotics application procedure in fish pond, Stunted fingerlings production etc and showcased some technology through front line demonstration on Improvement of fish production through periphyton based composite carp culture practice, Use of stunted fingerlings(yearlings) as stocking material in composite carp culture, application of soap oil emulsion to control aquatic insect in carp nursery etc.

The Fishery department officials also helped the farmer in digging of more no of fish pond by providing the subsidy facility and gradually he tried for more no of fish pond and now he has 8 no of fish pond covering a area of 8 acre in Kamthana of Bhawanipatna, jarring of Junagarh block and mandal of Kalampur block. At the same time fishery department has allowed him for exposure visit to many places where he could learn scientific and improved management of fish pond and fingerling production.

KVK scientist suggested him to go for pond based farming system where the pond dike can be used for growing seasonal vegetables and pulses round the year which will provide some additional income to his livelihood. KVK helped him in building up knowledge and skill of the farmer regarding Integrated Farming System for fingerling production along with some seasonal vegetable and pulses in the pond dike, So that a particular piece of land can be optimally utilized.

TABLE- 1 . COST-BENEFIT ANALYSIS

Sl no	Enterprise	Area (acre)	Yield	Cost of Cultivation	Gross Return	Net Return	B:C Ratio
1.	Fingerling production	8 acre 8 no of pond	10,00,000 no of fingerling per acre of pond	5,20,000	1,400,000	8,80,000	2.69
2.	Tomato (VNR)	400m2	12Q	3500	9000	5500	2.57
3.	Brinjal (VNR)	400m2	10Q	3250	8500	5250	2.61
4.	Pigeon pea (ICPL-87-119)	800m2	1Q	2000	4400	2400	2.2
Total				**5,28,750**	**1,421,900**	**893,150**	**2.68**

Impact :

This person is really a source of inspiration for others and been awarded from various forum for his hard work and strong determination. He is well known in the district for fingerling production. Now he has planned to take up a breeding unit. His continuous effort and strong will power helped his to prosper, before he had two no of fish pond and now he had eight no of fish pond in three blocks of the district. He is truly a role model for the kalahandi district.

Thematic area

Title- Hi-tech Horticulture
Name- Senpal Verma

Village - Jurkabhadi
District – Kalahandi
Mobile no- 9938514100

Personal Profile	
Age	38
Education	Intermediate
Land holding	19 acre
Business experience	6 years
Products	Horticultural fruits and vegetables (Mango, Cashew, Teak, Turmeric& Vegetables)

Description of achievements/venture

He has 19 acres of land, where 8 acres of land is under mango orchard, 4 acres under cashew cultivation, 1 acre of land is covered with teak plantation and rest of the land is remain unutilized. Despite of having all these enterprises he could not able to get optimum benefit out of all.

Through some reliable sources he came in contact with the scientists of KVK, Kalahandi and the group of scientist visited his farm house and recommended him some scientific agricultural practices like rejuvenation of old and senile orchard (Drip, Mulching etc), Cashew nut and Mango cultivation (Package of Practices) with utilization of the interspaces with off season vegetables like tomato, brinjal, cowpea, cabbage, cauliflower, Intercropping of Turmeric in the Teak plantation, preparation of grafted mango seedling & vermicomposting technology.

Dissemination of Technology

- Capacity building through Training, FLD, OFT, Kisan mela, field visit, KMA and other extension activities by KVK.
- Method demonstration showcasing all the package of practices
- Distribution of extension literature on management practices of papaya, cucurbits, banana etc.
- Training was conducted where nearby farmers also participated to notice the benefit out of Integrated Farming System.
- ATMA(Dept.of Agriculture) and Horticulture (under NHM), also extended their helping hand to the interested farmers by providing frequent training programmes to update their

knowledge level.

Crops	Area (Acre)	Yield (Q/acre)	Cost of cultivation (Rs./acre)	Gross return (Rs./ acre)	Net return (Rs./acre)	Total net return (Rs./acre)
Mango	8	60	5,000	18,000	13,000	**1,04,000**
Cashew	4 (120 No.)	10Q/tree	1,80,000	4,00,000	2,20,000	**8,80,000**
Vegetable (Tomato, Chilli Brinjal, cauliflower)	6	--	1,20,000	2,00,000	80,000	**4,80,000**
Intercropping of turmeric in Teak plantation	1	44.0	30,000	66,000	36,000	**36,000**
Mango grafts	--	40,000 Grafting s/yr	2,00,000	10,00,000	8,00,000	**8,00,000**

Social recognition	Felicitated by **Hon'ble Union Agriculture Minister Mr. Charan Das Mohanta** as a successful Agri-entrepreneur of Kalahandi district on Kisan Mela,2013 held at Krishi Vigyan Kendra, Kalahandi. Felicitated by **Hon'ble Agriculture Minister of Odisha Mr. Pradeep Maharathi** as a successful farmer of Kalahandi district on 554th Foundation day of Odisha University of Agriculture & Technology, Bhubaneswar
Annual income	Rs23,000,00/- (Twenty Three Lakhs)
Award recognition	Felicitated by **Hon'ble Union Agriculture Minister Mr. Charan Das Mohanta** as a successful Agri-entrepreneur of Kalahandi district on Kisan Mela,2013 held at Krishi Vigyan Kendra, Kalahandi. Felicitated by **Hon'ble Agriculture Minister of Odisha Mr. Pradeep Maharathi** as a successful farmer of Kalahandi district on 554th Foundation day of Odisha University of Agriculture & Technology, Bhubaneswar

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies

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)
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