ANNUAL PROGRESS REPORT
(April 2011-March 2012)

KVK, DHENKANAL

Orissa University of Agriculture & Technology
Bhubaneswar

Contents

REPORTING PERIOD – April 2011 to March, 2012

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement	
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries
Dhenkanal	Total Number of On-Farm Trials	15	90	15	83
Dhenkanal	FLDs – Oilseeds (activity in ha)	15	39	15	39
Dhenkanal	FLDs – Pulses (activity in ha)	5	13	5	13
Dhenkanal	FLDs – Cotton (activity in ha)	-	-	-	-
Dhenkanal	FLDs – Other than Oilseed and pulse crops(activity in ha)	14.7	90	14.7	90
Dhenkanal	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	6	53	6	53
Dhenkanal	Training-Farmers and farm women	57	1425	57	1425
Dhenkanal	Training-Rural youths	16	240	16	240
Dhenkanal	Training- Extension functionaries	9	135	9	135
Dhenkanal	Extension Activities	500	2500	694	3025
Dhenkanal	Seed Production (Number of activity as seeds in quintal)	1	110q	1	127.5q
Dhenkanal	Planting material ((Number of activity as quantity of planting material in quintal)	4	1500	0	0
Dhenkanal	Seedling Production (Number of activity as number of seedlings in numbers)	10000	100	1280	25
Dhenkanal	Sapling Production (Number of activity as number of sapling in numbers)	2	250	0	0
Dhenkanal	Other Bio- products (Vermicompost)	1	10 q	1	16,3 q
Dhenkanal	Mushroom production	1	2q	1	2.79q
Dhenkanal	Live stock products	1	200 birds	0	0
Dhenkanal	SAC Meeting (Date & no. of core/official members	1	40	1(14.7.11)	40
Dhenkanal	Newsletters (no.)	2	1000	4	2000
Dhenkanal	Publication (Research papers, popular article)	3	-	6	-
Dhenkanal	Outreach of KVK in the District (No. of blocks, no. of villages)	8	205	8	205

1. GENERAL INFORMATION

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

Details of geographical area in hectare/Land utilization pattern

Geographical Area(000'Ha)	445
Cultivable Area(000'Ha)	186
Cultivable Waste land(000'Ha)	4
Current fallow(000'Ha)	31
Other fallows(000;ha)	20
Forest(000'Ha)	174
Pasture(000'Ha)	8
Land(Non Agriculture use) (000'ha)	42
Land under misc. plantation(000'ha)	6
Barren & un culturable land (000'ha)	5

Population of the District

Population	1066878
Male	544001
Female	522877
General	733097
ST	136501
SC	197280
No. of Farm families	108337
Small farmer	39823
Marginal farmer	50726
Big farmer	17788
Agricultural labour	122000

Area, Production & productivity of the major crops cultivated in the districts

Name of the crop	Area in ha	Production in (MT)	Yield q/ha
Paddy	112749	2543585	20.72
Sugarcane	1189	814580	685.1

Maize	2827	17280	6.11
Groundnut	15161	186520	12.30
Seasamum	15953	32790	2.06
Green gram	23529	52190	2.22
Black gram	23707	59200	2.50
Arhar	4689	34280	7.31
Vegetables	25186	3065350	121.71

1.2. 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)
Dhenkanal	Nachhipura	2011	Dhenkanal Sadar	10 km	950	120
Dhenkanal	Jamujhara	2010	Kamakshyanagar	30km	518	105
Dhenkanal	Bangursingh	2010	Odapada	30km	1600	320
Dhenkanal	Bangu	2009	Hindol	80 km	320	75
Dhenkanal	Majhisahi	2008	Dhenkanal Sadar	20 km	185	29
Dhenkanal	Deojhar	2008	Gondia	35 km	436	74

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

KVK Name	THRUST AREA
Dhenkanal	➢ Cultivation of HYV paddy with improved agro techniques (INM, IWM, IPM)
Dhenkanal	➢ Area expansion and seed production in groundnut
Dhenkanal	➢ Seed replacement in green gram and black gram for higher yield
Dhenkanal	➢ Improved cultivation techniques and area expansion of sugarcane
Dhenkanal	➢ Improved cultivation techniques of vegetables, mango, cashew, spices and tuber crops

Dhenkanal	➢ Composite fish culture, integrated fish farming and ornamental fish culture, polyculture of prawn, magur
Dhenkanal	➢ Back yard poultry rearing, diary, and goatery
Dhenkanal	➢ Mushroom cultivation
Dhenkanal	➢ Bee keeping
Dhenkanal	➢ Soil fertility, vermi-composting
Dhenkanal	➢ Commercial plantation of economically important tree species.
Dhenkanal	➢ Development of Agro-forestry systems
Dhenkanal	➢ Scientific management of minor forest produces

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

KVK Name	Problem identified	Methods of problem identification
Dhenkanal	Poor crop yield due to local varieties, application, inadequate plant population	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Imbalance fertilizer management	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Yield loss due to insect pest and diseases	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Weed problem	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Shortage of quality seeds	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Low pod yield pulses	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Traditional varieties	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Traditional method of sugarcane cultivation	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Lack of proper management practices of winter vegetables	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Shortage of planting material	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Improper management of cashew orchards, un employment problem of rural youths	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Un availability planting material and lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Insect pest attack	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Low income due to traditional method of fish culture	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Aquatic Weed	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Lack of feeding	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Diseases	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Non availability of ornamental fishes	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Low milk yield of desi cows	Through PRA tools and Discussion with the group of farmer

Dhenkanal	Low body weight of desi birds	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Under utilization of paddy straw	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Under utilization of oyster mushroom cultivation	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Improper utilization of family labour and home stead lands	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Problematic soil Low organic matter content in the soil. Llittle knowledge about fertilizer doses	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Shortage of quality timbers	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Unutilization of Waste land	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Shortage of quality timbers, unutilized farm bunds	Through PRA tools and Discussion with the group of farmer
Dhenkanal	Lack of quality planting material of forest species	Through PRA tools and Discussion with the group of farmer

2. OFT (April 2011 to March 2012)

KVK name	Year	Season	Category of technology (**Assessment/ Refinement**)	OFT on crop/ Enterprise	Title of OFT	OFT ID* (to be created by the KVK)	Name of Crop/ Enterprise	No of trials		Area (ha)		Status of the OFT (Completed/ Continued/ Result awaited
								Targeted	Achieved	Targeted	Achieved	
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of ZnSO4 in medium land paddy	Dkl1112K001	Paddy	05	05	1.0	1.0	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of Boron in kharif ground nut	Dkl 1112K002	G nut	05	05	1.0	1.0	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of cassava variety Shree Vishakham.	Dkl 1112K003	cassava	05	01	0.4	0.1	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of PGRs (tricontanol) in Bitter gourd variety Pusa mousami.	Dkl 1112K004	Bitter gourd	05	11	0.4	1.0	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of chemicals for control of BLB in rice.	Dkl 1112K005	paddy	05	05	0.4	0.4	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of bio-control measure for management of brinjal fruit and shoot borer.	Dkl 1112K006	brinjal	05	05	0.4	0.4	Completed
Dhenkanal	2011	Kharif	Assessment	Crop	Assessment of Rope and Washer Pump	Dkl 1112K007	Vegetable	05	05	1.0	1.0	Completed
Dhenkanal	2011	Rabi	Assessment	Crop	Assessment of sugarcane stripper for drudgery reduction of farm women in sugarcane harvesting	Dkl 1112K008	Sugarcane	05	06	1.0	1.0	Completed
Dhenkanal	2011-12	Rabi	Assessment	Crop	Assessment of Borax in sunflower	Dkl1112R009	sunflower	05	05	1.0	1.0	Completed
Dhenkanal	2011-12	Rabi	Assessment	Crop	Assesment of Onion variety N-53 with application of Azotobacter & PSB.	Dkl1112R010	Onion	05	11	0.4	1.0	Completed
Dhenkanal	2011-12	Rabi	Assessment	Crop	Assesment of Potato variety Kufri Surya.	Dkl1112R011	Potato	05	06	0.4	0.1	Completed
Dhenkanal	2011-12	Rabi	Assessment	Crop	Assessment of chemicals for control of chilly leaf curl virus.	Dkl1112R012	chilly	05	05	0.4	0.4	Completed
Dhenkanal	2011-12	Rabi	Assessment	Crop	Assessment of *Bacillus thuremgenesis* for control of fruit borer in okra.	Dkl1112R013	okra	05	05	0.4	0.4	Completed
Dhenkanal	2011-12	Rabi	Assessment	Enterprise	Assessment of sunflower threshing bench for drudgery reduction of farm women.	Dkl1112R014	Sunflower	05	06	1.0	1.0	Completed
Dhenkanal	2011-12	Rabi	Assessment	Enterprise	Assessment of improved sickle for drudgery reduction.	Dkl1112R015	Paddy	05	09	1.0	1.0	Completed

2.1 Basic information of the Technology taken by the KVK * KVK+Year+Season+ Discipline & Code

2.2 Details of Problems taken as OFT by the KVK

KVK name	OFT ID	Problem diagnose	Thematic area	Farmers' practice (T_1)	Farming situation				Total Area of the district (in ha) affected by the problem	Name of the block(s) under KVK where the problem occurs
					Soil type	Irrigation	Type of Cultivation (Low land/ Mid land/ Up land	Cropping system		
Dhenkanal	Dkl1112K001	Low yield of paddy due to zn deficiency	INM	Use of micronutrient free fertilizers	Sandy clay loam	Rainfed	Mid land	Rice based	1200	Dhenkanal sadara, Kamakhya nagara, Odapada
Dhenkanal	Dkl 1112K002	Low yield & shelling percentage of groundnut due to Boron deficiency	INM	Use of micronutrient free fertilizers	Sandy loam	Rainfed	Upland	Groundnut-fallow	400	Dhenkanal sadara, Kamakhya nagara
Dhenkanal	Dkl 1112K003	Improper crop management	Varietal Evaluation	Un systematic planting in back yard.	Sandy loam	Rainfed	Up land	Vegetable	5	Dhenkanal sadara, Kamakhya nagara, Odapada
Dhenkanal	Dkl 1112K004	Use of local variety with imbalance use of fertilizers causes low yield.	Varietal Evaluation	Cultivation of local variety	Sandy loam	Rainfed	Medium Land	Vegetable based	45	Dhenkanal sadara, Kamakhya nagara, Odapada
Dhenkanal	Dkl 1112K005	Low paddy yield due to heavy BLB incidence	IDM	Spraying of Bavistin	Sandy loam	Rainfed	Mid land	Rice based	950	Dhenkanal sadara, Kamakhya nagara, Odapada
Dhenkanal	Dkl 1112K006	Low yield due to F&S borer incidence	IPM	Application of endosulphan	Sandy loam	Rainfed	Mid land	vegetablebased	180	Dhenkanal sadara, Kamakhya nagara
Dhenkanal	Dkl 1112K007	High drudgery in lifting water from well	Drudgery reduction	Manually lifting water	-	Rainfed	Upland	Fallowvegetable	120	Odapada, Kamakhyanagar,
Dhenkanal	Dkl 1112K008	High drudgery & low efficiency of farm women in sugarcane stripping	Drudgery reduction	Manual stripping	Sandy clay loam	Irrigated	Midland	sugarcane based	145	Odopada
Dhenkanal	Dkl1112R009	Low yield and low quality	INM	No Borax application	Sandy loam	Irrigated	Mid land	Rice based	75	Dhenkanal & kamakhyanagar
Dhenkanal	Dkl1112R010	Use of local variety causes low yield.	Varietal Evaluation	Cultivation of local variety	sandyloam	Irrigated	Mid land	Onion - Paddy	120	Dhenkanal sadara, Odapada
Dhenkanal	Dkl1112R011	Low yield due to use of traditional variety	Varietal Evaluation	Use of local seeds.	Sandy loam	Irrigated	Mid land	Potato – Maize	50	Dhenkanal & kamakhyanagar,
Dhenkanal	Dkl1112R012	Low yield due to heavy leaf curl disease incidence	IDM	Spraying of bavistin	Sandy loam	Irrigated	Mid land	Brinjal-chilly	35	Dhenkanal & kamakhyanagar,
Dhenkanal	Dkl1112R013	Low yield due to high incidence of fruit borer	IPM	Spraying of endosulphan	Sandy loam	Irrigated	Mid land	vegetable based	85	Dhenkanal & kamakhyanagar,
Dhenkanal	Dkl1112R014	High drudgery due to manual threshing	Drudgery reduction	manual threshing	Sandy loam	Rainfed	Medium land	Rice based	100	Dhenkanal Sadar
Dhenkanal	Dkl1112R015	Low efficiency and high drudgery of farm women in paddy	Drudgery reduction	Local sickle	Sandy loam	Rainfed	Mid land	Rice based	500	Dhenkanal and Odopada

		harvesting								

2.3 Details of solution taken for technology assessment/refinement by the KVK

KVK Name	OFT ID No	Details of technology selected (T_2)	Source of technology	Year of release of technology	If refinement in the technology, give details of refinement over recommended practices (T_3)
Dhenkanal	Dkl1112K001	Soil application of of ZnSO4 @ 25 kg/ha at planting in medium land paddy	OUAT	2006	-
Dhenkanal	Dkl 1112K002	Soil application of of borax @ 8-10 kg/ha at sowing in khrif groundnut	OUAT	2001	-
Dhenkanal	Dkl 1112K003	Use of cassava variety Shree Bisakham.	CTCRI	2005	-
Dhenkanal	Dkl 1112K004	Application of PGRs (etheryl & tricontanol at two leaf stage and at 15 DAT, in 7 days interval respectively)	IARI, Pusa	2002	-
Dhenkanal	Dkl 1112K005	Spraying of copper oxychloride and plantomycin at 7 days intervals during tillering stage	OUAT	2004	-
Dhenkanal	Dkl 1112K006	Soil incorporation of neem cake @ 125 kg/ha with foliar application of multi neem at 7 days intervals at 45 DAT	OUAT	2002	-
Dhenkanal	Dkl 1112K007	Use of Rope and Washer Pump for lifting water from well to reduce drudgery	OUAT	2006	-
Dhenkanal	Dkl 1112K008	Use of sugarcane stripper is cost effective and reduces drudgery of farm women for stripping sugarcane cultivation	IISR, lucknow and refined at OUAT, BBSR	2005	-
Dhenkanal	Dkl1112R009	Soil application of Borax in sunflower @ 8-10kg/ha along with recommended dose of fertilizer increases grain yield and oil content	OUAT	2004	-
Dhenkanal	Dkl1112R010	Use of Onion variety N-53 with seedling root dip of Azotobacter & PSB.	NHRDF, Nasik	1998	-
Dhenkanal	Dkl1112R011	Use of Potato variety Kufri Surya with RDF.	OUAT	2009	-
Dhenkanal	Dkl1112R012	Spraying of DZ 78 and streptocycline at 7 days intervals during at 15 DAT	OUAT	2005	-
Dhenkanal	Dkl1112R013	Spraying of *Bacillus thuremgenesis* @ 0.5 kg a.i./ha at 4-5 days interval from 30 DAT	OUAT	2004	-
Dhenkanal	Dkl1112R014	Use of sun flower threshing bench for reducing drudgery of farm women	OUAT	2008	-
Dhenkanal	Dkl1112R015	Use of improved sickle for cutting of paddy for drudgery reduction of farm women	CIAE Bhopal	2006	-

2.4 Performance of the technology for assessment/refinement

A. Production

KVK Name	OFT ID	Main Products				Bye- Product			
		Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Dhenkanal	Dkl1112K001	Kg/ha	3670	4330	-	q./ha	40	48	-
Dhenkanal	Dkl 1112K002	kg/ha	1020	1460	-	q./ha	65	70	-
Dhenkanal	Dkl 1112K003	t/ha.	20	33	-	Nos. of sticks/ha	4500	5500	-
Dhenkanal	Dkl 1112K004	q./ha	90	125	-	-	-	-	-
Dhenkanal	Dkl 1112K005	q./ha	32.54	38.46		Kg/ha	38	45	-
Dhenkanal	Dkl 1112K006	q./ha.	262.06	290.1	-	-	-	-	-
Dhenkanal	Dkl 1112K007	Lit/hr	648	3220	-	-	-	-	-
Dhenkanal	Dkl 1112K008	Kg/hr	34	43	-	-	-	-	-
Dhenkanal	Dkl1112R009	Kg/ha	950	1120	-	-	-	-	-
Dhenkanal	Dkl1112R010	q./ha.	158	230	-	-	-	-	-
Dhenkanal	Dkl1112R011	q./ha.	270	340	-	-	-	-	-
Dhenkanal	Dkl1112R012	q./ha.	59.16	90.74	-	-	-	-	-
Dhenkanal	Dkl1112R013	q./ha.	176.48	203.72	-	-	-	-	-
Dhenkanal	Dkl1112R014	Kg/hr	1.39	5.12					
Dhenkanal	Dkl1112R015	m^2 /hr	145	152					

B. Parameters

KVK Name	OFT ID	Observations taken on parameter 1					Observations taken on parameter 1I				
		Parameter name	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Parameter name	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Dhenkanal	Dkl1112K001	No. of panicles per plant	Number	9	11	-	No. of grains per panicles	Number	110	130	-
Dhenkanal	Dkl 1112K002	No. of pods per plant	Number	10	14	-	No of plants/m2	No	26	31	-
Dhenkanal	Dkl 1112K003	No. of stems / plant	Number	4	7	-	Stem length	Cm.	20.2	27.0	
Dhenkanal	Dkl 1112K004	Fruit weight	Gm	70	120	-	Fruit length	Cm	8	12	-
Dhenkanal	Dkl 1112K005	Disease incidence	%	12	4	-	-	-	-	-	-
Dhenkanal	Dkl 1112K006	Shoot damage	%	21.5	7.4	-	Fruit damage	%	23.8	9.2	-
Dhenkanal	Dkl 1112K007	Heart Rate:	Beats/ Min:	122	117						
Dhenkanal	Dkl 1112K008	Heart Rate:	Beats/ Min:	120	110		Cardiac cost	beats/kg	76	48.2	
Dhenkanal	Dkl1112R009	Head diam	Cm.	8.5	10.6	-	Seeds/head	No	92	108	-
Dhenkanal	Dkl1112R010	Bulb weight	Gm.	25	45	-	Bulb diameter	cm.	2.5	3.7	
Dhenkanal	Dkl1112R011	Tuber width	cm.	4.1	7.4		Tuber length	cm.	6.2	10.5	
Dhenkanal	Dkl1112R012	Disease incidence (leaf affected)	%	27.5	5.8	-	-	-	-	-	-
Dhenkanal	Dkl1112R013	Shoot damage	%	14.5	3.2	-	Fruit damage	%	18.6	5.2	-
Dhenkanal	Dkl1112R014	Cost of threshing	Rs/kg	6.02	2.44	-	-	-	-	-	-
Dhenkanal	Dkl1112R015	Heart rate	Beats/min	120	109	-	Cardiac cost	Beats/m^2	15	11	-

C. Economic Performance

KVK name	OFT ID	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Dhenkanal	Dkl1112K001	23300	30300	-	38535	45465	-	10235	15165	-	1.30	1.50	-
Dhenkanal	Dkl 1112K002	16600	19000	-	35700	51100	-	19100	32100	-	1.15	2.69	-
Dhenkanal	Dkl 1112K003	28000	32000		65000	105000	-	37000	73000	-	2.32	3.28	
Dhenkanal	Dkl 1112K004	25000	28000	-	90000	125000	-	65000	97000	-	3.21	4.46	-
Dhenkanal	Dkl 1112K005	18800	21500	-	35143	41537	-	16343	20037	-	1.86	1.93	-
Dhenkanal	Dkl 1112K006	37400	38100	-	157236	174060	-	119836	135960	-	4.2	4.5	-
Dhenkanal	Dkl 1112K007	28000	32000		65000	78000	-	37000	46000	-	2.32	2.44	-
Dhenkanal	Dkl 1112K008	70100	70250		135000	138800	-	64900	68550	-	1.93	1.97	-

Dhenkanal	Dkl1112R009	23000	24500	-	28500	33600	-	5500	9100	-	1.24	1.37	-
Dhenkanal	Dkl1112R010	58000	65000	-	132000	165000	-	74000	100000	-	2.27	2.54	-
Dhenkanal	Dkl1112R011	45500	54500	-	112500	137500	-	67000	83000	-	2.47	2.52	-
Dhenkanal	Dkl1112R012	29800	32300	-	118320	181480	-	88520	149180	-	3.9	5.6	-
Dhenkanal	Dkl1112R013	52500	55800	-	158832	183348	-	106332	127548	-	3.0	3.2	-
Dhenkanal	Dkl1112R014	23000	24500	-	28500	33800	-	5500	9100	-	1.24	1.38	-
Dhenkanal	Dkl1112R015	23300	30300	-	38535	45900	-	10235	15165	-	1.30	1.51	-

2.5 Recommendations/message form assessed/refined technology

KVK Name	OFT ID No	Final recommendation for micro level situation	Constraints identified and feedback for research	Process of farmers participation and their reaction	Farmers feed back	Process for sensitization of the line departments for replacement of the technology			
						Workshop/ meetings	Trainings	Visits	Publications
Dhenkanal	Dkl1112K001	Soil application of $ZnSO_4$ @ 25 kg/ha is recommended at puddling in medium land paddy	-	Farmers' meeting, Training and Farmers' Visit	Grain yield has been increased due to zinc application	1	1	4	1
Dhenkanal	Dkl 1112K002	Soil application of of borax @ 10 kg/ha is recommended at sowing in khrif groundnut	-	Farmers' meeting, Training and Farmers' Visit	Lower return was obtained due to B deficiency	2	01	05	1
Dhenkanal	Dkl 1112K003	Cassava variety shree vishakham recommended in mid central table land zone.	-	Village meeting Trainings Field days arrangements	Crop is suitable due to less water & input requirement and no cattle grazing problem.	2	01	06	1
Dhenkanal	Dkl 1112K004	Use of Pusa mausami var with application of tricontanol hormone to increase no of female flower and thereby yield	Testing of other hormone may be tested	Farmers' meeting, Training and Farmers' Visit	Suitable for commercial production	-	01	06	1
Dhenkanal	Dkl 1112K005	Spraying of Copper oxychloride & Plantomycin is		Farmers' meeting, Training and	Grain yield has been increased & disease is checked	-	1	4	-

		recommended.		Farmers' Visit	due to fungicide application.				
Dhenkanal	Dkl 1112K006	Soil incorporation of neem cake with Foliar application of Multineem is recommended.		Farmers' meeting, Training and Farmers' Visit	Fruit yield has been increased & pest infestation is reduced due to bio-pesticide application	-	1	4	-
Dhenkanal	Dkl 1112K007	Use of rope and washer pump for lifting of water is recommended for drudgery reduction of farm women.		Farmers' meeting, Training and Farmers' Visit	Suitable for lifting of water without using power	1	1	4	1
Dhenkanal	Dkl 1112K008	sugarcane stripper is recommended for drudgery reduction of farm women in sugarcane harvesting		Farmers' meeting, Training and Farmers' Visit	Suitable for stripping sugarcane and reducing drudgery and hence cost of cultivation	1	1	5	1
Dhenkanal	Dkl1112R009	Soil application of of borax @ 10 kg/ha is recommended at sowing in sunflower	-	Farmers' meeting, Training and Farmers' Visit	Lower return was obtained due to B deficiency	2	01	05	1
Dhenkanal	Dkl1112R010	Onion variety N-53 along with bio-fertilizer application is recommended for cultivation in this zone in Rabi season.	-	Farmers' meeting, Training and Farmers' Visit Field Days arrangements	Higher return was obtained due to high market demand.	2	01	05	1
Dhenkanal	Dkl1112R011	Potato variety Kufri surya recommended for this reason due to higher yield and hot tolerance.	-	Farmers' meeting, Training and Farmers' Visit	Yield of potato has been increased in comparison to local variety.	2	01	04	1
Dhenkanal	Dkl1112R012	Spraying of fungicide with bactericide at 7 days interval is recommended.		Farmers' meeting, Training and Farmers' Visit	Yield has been increased & disease incidence reduced due to fungicide with bactericide application.	-	1	4	-
Dhenkanal	Dkl1112R013	Spraying of Bacillus thuringiensis for Fruit		Farmers' meeting,	Yield has been increased & pest		1	3	-

		borer in Okra is recommended.		Training and Farmers' Visit	infestation is reduced due to bio-pesticide application.	-			
Dhenkanal	Dkl1112R014	Use of sun flower threshing bench for reducing drudgery of farm women is recommended.		Farmers' meeting, Training and Farmers' Visit	Use of sun flower threshing bench has reduced drudgery of farm women and cost of cultivation				
Dhenkanal	Dkl1112R015	Use of improved sickle for cutting of paddy for drudgery reduction of farm women is recommended.		Farmers' meeting, Training and Farmers' Visit	Use of improved sickle for cutting of paddy has reduced drudgery of farm women and cost of cultivation.	1	1	5	1

2.6 Farmer-wise performance of the technology for assessment/refinement

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl1112K001	Narahari Parida	3520	4300	-	4100	4750		No. of panicles per plant	Number	8	11	-	No. of grains per panicles	Number	112	135	-
Dhenkanal	Dkl1112K001	Susanta Rout	3760	4250	-	4000	4800	-	No. of panicles per plant	Number	10	11	-	No. of grains per panicles	Number	110	130	-
Dhenkanal	Dkl1112K001	Mayadhar Rout	3480	4550	-	4050	4850	-	No. of panicles per plant	Number	9	10	-	No. of grains per panicles	Number	108	128	-
Dhenkanal	Dkl1112K001	Tapan Parida	3650	4350	-	4050	4820	-	No. of panicles per plant	Number	8	12	-	No. of grains per panicles	Number	106	131	-
Dhenkanal	Dkl1112K001	Duryadhan barala	3940	4200	-	3800	4780	-	No. of panicles per plant	Number	10	11	-	No. of grains per panicles	Number	114	126	-
Dhenkanal	Dkl 1112K002	Prem sankar mishra	980	1390	-	6200	6700	-	No. of pods per plant	No	9	14	-	No of plants/m2	No	24	29	-

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl 1112K002	Tilia nayak	1060	1480	-	6600	7100	-	No. of pods per plant	No	10	15	-	No of plants/m2	No	26	31	-
Dhenkanal	Dkl 1112K002	Taranisen Nayak	1120	1470	-	6400	6900	-	No. of pods per plant	No	11	13	-	No of plants/m2	No	28	33	-
Dhenkanal	Dkl 1112K002	Parama padhan	890	1420	-	6800	7300	-	No. of pods per plant	No	9	13	-	No of plants/m2	No	23	28	-
Dhenkanal	Dkl 1112K002	Ramesh Nayak	1050	1540	-	6700	7200	-	No. of pods per plant	No	11	15	-	No of plants/m2	No	29	34	-
Dhenkanal	Dkl 1112K003	Hadibandhu Nayak	33000	20000	-	4500	5500	-	No. of stems per plant	No	4	7	-	Length of stem	cm.	20.2	27	-
Dhenkanal	Dkl 1112K004	Promod Nayak	92	127	-			-	Frut weight	G	65	115	-	Fruit length	Cm	7.8	11.8	-
Dhenkanal	Dkl 1112K004	Dilip ku Sahoo	87	122	-			-	Frut weight	G	68	118	-	Fruit length	Cm	8.4	12.6	-
Dhenkanal	Dkl 1112K004	Bipin Behera	93	128	-			-	Frut weight	G	72	122	-	Fruit length	Cm	7.3	12.3	-
	Dkl 1112K004	Kabiraj Biswal	94	129					Frut weight	G	76	126		Fruit length	Cm	7.9	12.6	-
Dhenkanal	Dkl 1112K004	Adweita Behera	88	123	-			-	Frut weight	G	71	121	-	Fruit length	Cm	8.2	11.5	-
Dhenkanal	Dkl 1112K004	Lalita Behera	93	128	-			-	Frut weight	G	69	120	-	Fruit length	Cm	7.7	11.8	-
Dhenkanal	Dkl 1112K004	Amullya pradhan	98	133	-				Frut weight	G	66	115		Fruit length	Cm	7.9	11.6	-
Dhenkanal	Dkl 1112K004	Benudhara Sahoo	91	126	-				Frut weight	G	69	119		Fruit length	Cm	8.3	12.1	-
Dhenkanal	Dkl 1112K004	Kabiraj Biswal	87	122	-				Frut weight	G	73	122		Fruit length	Cm	8.4	12.4	-
Dhenkanal	Dkl 1112K004	Dharanidhar Nayak	86	121	-				Frut weight	G	70	121		Fruit length	Cm	7.6	12.0	-
Dhenkanal	Dkl 1112K004	Arakhita Padhan	81	116	-				Frut weight	G	71	121		Fruit length	Cm	8.5	11.3	-
Dhenkanal	Dkl 1112K005	Ramachandra Samal	3300	3560	-				Disease incidence	%	12	4.5	-	-	-	-	-	-
Dhenkanal	Dkl 1112K005	Rabi Behera	3570	4480	-				Disease incidence	%	11	4.0	-	-	-	-	-	-
Dhenkanal	Dkl 1112K005	RK Behera	3190	3480	-				Disease incidence	%	13	5.5	-	-	-	-	-	-

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl 1112K005	Sarat Behera	3410	4030	-				Disease incidence	%	14	3.5	-	-	-	-	-	-
Dhenkanal	Dkl 1112K005	Krushnachandra Sahoo	2800	3680	-				Disease incidence	%	10	2.5	-	-	-	-	-	-
Dhenkanal	Dkl 1112K006	Bidyadhar Sahoo	23490	27480					Shoot damage	%	21.5	7.4	-	Fruit damage	%	23.8	9.2	-
Dhenkanal	Dkl 1112K006	Kulamani Sahoo	24830	28930					Shoot damage	%	19.0	6.8		Fruit damage	%	22.7	8.8	-
Dhenkanal	Dkl 1112K006	Jaladhara Sahoo	28260	30130					Shoot damage	%	24.0	8.0		Fruit damage	%	24.9	9.6	-
Dhenkanal	Dkl 1112K006	Susil Kumar Sahoo	29320	30580					Shoot damage	%	23.0	6.9		Fruit damage	%	23.2	9.5	-
Dhenkanal	Dkl 1112K006	Magani Charan Sahoo	25130	27930					Shoot damage	%	20.0	7.9		Fruit damage	%	24.4	8.9	-
Dhenkanal	Dkl 1112K007	Pratima Chauddury	645	3260	-	-	-	-	Heart Rate:	Beats/ Min:	126	119		-	-	-	-	-
Dhenkanal	Dkl 1112K007	Laxmiprava Behera	654	3245	-	-	-	-	Heart Rate:	Beats/ Min:	114	110		-	-	-	-	-
Dhenkanal	Dkl 1112K007	Mamita Jena	646	3210	-	-	-	-	Heart Rate:	Beats/ Min:	117	114		-	-	-	-	-
Dhenkanal	Dkl 1112K007	Surekharani Behera	649	3250	-	-	-	-	Heart Rate:	Beats/ Min:	125	120		-	-	-	-	-
Dhenkanal	Dkl 1112K007	Kamini Pradhan	646	3135	-	-	-	-	Heart Rate:	Beats/ Min:	128	122		-	-	-	-	-
Dhenkanal	Dkl 1112K008	Pravati Biswal	32	42	-	-	-	-	Heart Rate:	Beats/ Min:	122	113		Cardiac cost	beats/kg	80	47.0	-
Dhenkanal	Dkl 1112K008	Rasmita Biswal	36	44	-	-	-	-	Heart Rate:	Beats/ Min:	118	111		Cardiac cost	beats/kg	78	49.0	-
Dhenkanal	Dkl 1112K008	Samprada Biswal	35	43	-	-	-	-	Heart Rate:	Beats/ Min:	123	117		Cardiac cost	beats/kg	81	45.3	-
Dhenkanal	Dkl 1112K008	Santilata Gochhayat	33	41	-	-	-	-	Heart Rate:	Beats/ Min:	119	109		Cardiac cost	beats/kg	74	46.9	-
Dhenkanal	Dkl 1112K008	Sasmita Rout	33	45	-	-	-	-	Heart Rate:	Beats/ Min:	120	110		Cardiac cost	beats/kg	71	50.0	-

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl 1112K008	Namita Rout	35	43	-	-	-	-	Heart Rate:	Beats/ Min:	118	105		Cardiac cost	beats/kg	72	51.0	-
Dhenkanal	Dkl 1112R009	Keshaba ch prusty	1150	950	-	-	-	-	Head size	Cm	10.6	8.8	-	Seeds/head	No	107	98	-
Dhenkanal	Dkl 1112R009	Chittaranjan Puhan	1200	970	-	-	-	-	Head size	Cm	11.8	9.1	-	Seeds/head	No	117	101	-
Dhenkanal	Dkl 1112R009	Premsankar Mishra	1100	950	-	-	-	-	Head size	Cm	10.9	8.3	-	Seeds/head	No	108	92	-
Dhenkanal	Dkl 1112R009	Surya nayak	1000	930	-	-	-	-	Head size	Cm	9.9	8.0	-	Seeds/head	No	102	82	-
Dhenkanal	Dkl 1112R009	Sudhakar Padhan	1150	950	-	-	-	-	Head size	Cm	10.8	8.3	-	Seeds/head	No	106	87	-
Dhenkanal	Dkl 1112R010	Indramani Behera	160	235	-	-	-	-	Bulb weight	Gm	25	45	-	Bulb diameter	cm.	2.5	3.7	-
Dhenkanal	Dkl 1112R010	Krushna ch. Swain	156	250	-	-	-	-	Bulb weight	Gm	23	50	-	Bulb diameter	cm.	2.0	4.0	-
Dhenkanal	Dkl 1112R010	Premanan da Sahoo	162	230	-	-	-	-	Bulb weight	Gm	27	55	-	Bulb diameter	cm.	3.0	3.4	-
Dhenkanal	Dkl 1112R010	Nrupati Dehuri	154	228	-	-	-	-	Bulb weight	Gm	20	40	-	Bulb diameter	cm.	2.5	3.5	-
Dhenkanal	Dkl 1112R010	Arakhita Pradhan	165	232	-	-	-	-	Bulb weight	Gm	30	35	-	Bulb diameter	cm.	2.0	3.8	-
Dhenkanal	Dkl 1112R010	Ratikanta Mohapatr a	158	333	-	-	-	-	Bulb weight	Gm	25	45	-	Bulb diameter	cm.	3.0	3.8	-
Dhenkanal	Dkl 1112R010	Damodara Nayak	156	222	-	-	-	-	Bulb weight	Gm	25	45	-	Bulb diameter	cm.	3.0	3.5	-
Dhenkanal	Dkl 1112R010	Shyama Prasad Behera	152	236	-	-	-	-	Bulb weight	Gm	30	40	-	Bulb diameter	cm.	2.5	3.9	-
Dhenkanal	Dkl 1112R010	Sarbeswar a Sendha	160	235	-	-	-	-	Bulb weight	Gm	20	42	-	Bulb diameter	cm.	2.6	4.0	-
Dhenkanal	Dkl 1112R010	Chaitanya Puhan	160	233	-	-	-	-	Bulb weight	Gm	25	50	-	Bulb diameter	cm.	2.5	3.4	-
Dhenkanal	Dkl 1112R010	Gouranga Swain	156	230	-	-	-	-	Bulb weight	Gm	25	47	-	Bulb diameter	cm.	2.4	3.7	-
Dhenkanal	Dkl 1112R011	Nalini Behera	270	340	-	-	-	-	Tuber width	cm.	4.1	7.4	-	Tuber length	cm.	6.2	10.5	-

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl 1112R011	Batakrushna Behera	250	370	-	-	-	-	Tuber width	cm.	4.0	7.2	-	Tuber length	cm.	6.0	10.4	-
Dhenkanal	Dkl 1112R011	Kunu Mohanty	280	325	-	-	-	-	Tuber width	cm.	4.2	7.6	-	Tuber length	cm.	6.4	10.1	-
Dhenkanal	Dkl 1112R011	Mayadhar Mohanty	280	330	-	-	-	-	Tuber width	cm.	4.3	7.5	-	Tuber length	cm.	6.1	11.0	-
Dhenkanal	Dkl 1112R011	Bidyadhar Sahoo	265	345	-	-	-	-	Tuber width	cm.	3.8	7.2	-	Tuber length	cm.	6.5	10.8	-
Dhenkanal	Dkl 1112R011	Jitendra Ku. Sahoo	275	340	-	-	-	-	Tuber width	cm.	4.1	7.5	-	Tuber length	cm.	5.8	10.2	-
Dhenkanal	Dkl 1112R012	Chitaranjan Puhan	5820	8580	-	-	-	-	Disease incidence (leaf affected)	%	27.5	5.8	-	-	-	-	-	-
Dhenkanal	Dkl 1112R012	Lalit mohan Prusty	5310	8290	-	-	-	-	Disease incidence (leaf affected)	%	26.5	5.3	-	-	-	-	-	-
Dhenkanal	Dkl 1112R012	Naresh Puhan	5980	9030	-	-	-	-	Disease incidence (leaf affected)	%	28.5	6.3	-	-	-	-	-	-
Dhenkanal	Dkl 1112R012	Rasananda Khuntia	6090	9460	-	-	-	-	Disease incidence (leaf affected)	%	28.0	5.5	-	-	-	-	-	-
Dhenkanal	Dkl 1112R012	Sisira khuntia	6380	10010	-	-	-	-	Disease incidence (leaf affected)	%	27.0	6.1	-	-	-	-	-	-
Dhenkanal	Dkl 1112R013	Lalit Mohan Prusty	19960	24410	-	-	-	-	Shoot damage	%	14.5	2.9	-	Fruit damage	%	18.6	5.2	-
Dhenkanal	Dkl 1112R013	Chitaranjan Puhana	17080	19360	-	-	-	-	Shoot damage	%	13.5	2.8		Fruit damage	%	17.8	5.0	-
Dhenkanal	Dkl 1112R013	Sisira Khuntia	16500	18970	-	-	-	-	Shoot damage	%	13.0	3.6		Fruit damage	%	19.6	5.4	-
Dhenkanal	Dkl 1112R013	Rasananda Khuntia	16840	19030	-	-	-	-	Shoot damage	%	15.0	3.5		Fruit damage	%	18.2	5.6	-
Dhenkanal	Dkl 1112R013	Naresh Puhana	17860	20090					Shoot damage	%	16.5	3.2		Fruit damage	%	19.0	4.8	-
Dhenkanal	Dkl 1112R014	Surekha Khuntia	1.36	5.20	-	-	-	-	Cost of threshing	Rs/kg	6.05	2.44	-	-	-	-	-	-

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
Dhenkanal	Dkl 1112R014	Subhadra Puhan	1.41	5.16	-	-	-	-	Cost of threshing	Rs/kg	6.00	2.42	-	-	-	-	-	-
Dhenkanal	Dkl 1112R014	Minati Das	1.40	5.08	-	-	-	-	Cost of threshing	Rs/kg	6.05	2.48	-	-	-	-	-	-
Dhenkanal	Dkl 1112R014	Monalisha Puhan	1.39	5.02	-	-	-	-	Cost of threshing	Rs/kg	6.04	2.38	-	-	-	-	-	-
Dhenkanal	Dkl 1112R014	Debasmita Puhan	1.36	5.10	-	-	-	-	Cost of threshing	Rs/kg	6.01	2.47	-	-	-	-	-	-
Dhenkanal	Dkl 1112R014	Ratnaprava Khuntia	1.42	5.16	-	-	-	-	Cost of threshing	Rs/kg	5.97	2.45	-	-	-	-	-	-
Dhenkanal	Dkl 1112R015	Indurekha Naik	145	153	-	-	-	-	Heart rate	Beats/min	109	120	-	Cardiac cost	Beats/m^2	15	11	-
Dhenkanal	Dkl 1112R015	Getei pradhan	146	152	-	-	-	-	Heart rate	Beats/min	105	121		Cardiac cost	Beats/m^2	13	10	
Dhenkanal	Dkl 1112R015	Gita Padhan	148	159	-	-	-	-	Heart rate	Beats/min	110	124		Cardiac cost	Beats/m^2	14	09	
Dhenkanal	Dkl 1112R015	Topoi Padhan	144	148	-	-	-	-	Heart rate	Beats/min	107	123		Cardiac cost	Beats/m^2	11	08	
Dhenkanal	Dkl 1112R015	Niru Padhan	141	146	-	-	-	-	Heart rate	Beats/min	110	116		Cardiac cost	Beats/m^2	13	11	
Dhenkanal	Dkl 1112R015	Subarna Sahoo	140	149	-	-	-	-	Heart rate	Beats/min	111	119		Cardiac cost	Beats/m^2	15	12	
Dhenkanal	Dkl 1112R015	Jema Bhoi	149	154	-	-	-	-	Heart rate	Beats/min	108	115		Cardiac cost	Beats/m^2	12	10	
Dhenkanal	Dkl 1112R015	Usasi Bhoi	151	157	-	-	-	-	Heart rate	Beats/min	109	114		Cardiac cost	Beats/m^2	17	13	
Dhenkanal	Dkl 1112R015	Pramila Bhoi	141	150	-	-	-	-	Heart rate	Beats/min	112	128		Cardiac cost	Beats/m^2	19	15	

3. Achievements of Frontline Demonstrations (conducted during 1-04-2011 to 30-09-2011)

(On the basis of Soil Test based fertilizer application for Acceptability of your results)

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
Dhenkanal	Paddy	Kharif 2008-09 to Kharif 2011-12	10	Cultivation of high yielding rice variety Pratikhya in medium land	Training and demonstration	5000	4000
Dhenkanal	sweet potato	Kharif 2008-09 to Kharif 2011-12	10	Introduction of CTCRI variety of sweet potato, elephant foot yam	Training and demonstration	1500	150
Dhenkanal	Maize	Kharif 2008-09 to Kharif 2011-12	14	Sulphur management in maize	Training and demonstration	1240	400
Dhenkanal	Maize	Kharif 2008-09 to Kharif 2011-12	14	Management of acid soil in maize	Training and demonstration	1200	200
Dhenkanal	Paddy Brinjal.	Kharif 2008-09 to Kharif 2011-12	20	1-Stemborer management in summer paddy 2-Shoot and fruit borer management in brinjal.	Training and demonstration -do-	250 200	150 100
Dhenkanal	Vegetable	Kharif 2008-09 to Kharif 2011-12	10	Improved / Hybrid vegetables seeds	Training and demonstration	500	150
Dhenkanal	Mushroom	Kharif 2008-09 to Kharif 2011-12	16	Technique of raising mushroom beds	Training and demonstration	260	1200
Dhenkanal	Blackrock poultry	Kharif 2008-09 to Kharif 2011-12	23	Introduction of Blackrock poultry	Training and demonstration	250	300
Dhenkanal	Marigold	Kharif 2008 to 2011	23	Introduction of high yielding marigold cuttings	Training and demonstration	135	40
Dhenkanal	Honey bee	Kharif 2008-09 to Kharif 2011-12	22	Scientific management of *Apis cerana indica*	Training and demonstration	235	305
Dhenkanal	Cole crop	Kharif 2008-09	10	Introduction of hybrid cabbage,	Training and demonstration	2200	560

	and tomato	to Kharif 2011-12		cauliflower & wilt resistant tomato			
Dhenkanal	Vegetable	Kharif 2008-09 to Kharif 2011-12	10	High yielding & hybrid variety with recommended dose of fertilizer & pesticides	Training and demonstration	20000	1100

3.2 Details of FLDs implemented

KVK Name	Type (Crop/ Enterprise)	Name of Crop/ Enterprise	Category of crops*	Category of Enterprise **	Season and year	Thematic area	Area (ha) in case of crop	No. of Units, in case of Enterprise	Size of Unit in case of Enterprise	No. of farmers				
										SC	ST	OBC	Others	Total
Dhenkanal	Crop	Paddy	cereal	-	Kharif 2011	Varietal evaluation	1.0	-	-	0	0		5	5
Dhenkanal	Crop	Paddy	cereal	-	Kharif 2011	ICM	1.0	-	-	0	0		5	5
Dhenkanal	Crop	Elephant Foot Yam	Tuber crop	-	Kharif 2011	Varietal evaluation	0.1	-	-	0	0		3	3
Dhenkanal	Crop	TC Banana	fruit	-	Kharif 2011	Varietal evaluation	0.2	-	-	0	0		2	2
Dhenkanal	Crop	Paddy	cereal	-	Kharif 2011	IDM	2.0	-	-	0	2		8	10
Dhenkanal	Crop	Paddy	-	Mandva weeder	Kharif 2011	Drudgery reduction	1.0	-	-		6		4	10
Dhenkanal	Crop	G nut	-	Hand ridger	Kharif 2011	Drudgery reduction	1.0	-	-		6		4	10
Dhenkanal	Enterprise	Mushroom	-	Mushroom	Kharif 2011	Small scale income generating activities	-	200 beds	200 beds				10	10
Dhenkanal	Enterprise	Fish	-	Fish	Kharif 2011	Small scale income generating activities	-	7	7Acres	1			6	7
Dhenkanal	Enterprise	Fish	-	Fish	Kharif 2011	Small scale income generating activities	-	6	6 Acres				6	6
Dhenkanal	Crop	Ground Nut	Oil seed	-	Kharif 2011	ICM	10.0	-	-	8	0		18	26
Dhenkanal	Crop	Arhar	pulse	-	Kharif 2011	ICM	5.0	-	-				13	13
Dhenkanal	Crop	Sunflower	Oil seed	-	Rabi 2011-12	INM	1.0						05	05
Dhenkanal	Crop	Potato	Tuber	-	Rabi 2011-12	INM	1.0			5	0	0	0	5

Dhenkanal	Crop	Sweet Potato	Tuber	-	Rabi 2011-12	Varietal Evaluation	0.2			0	01		04	05
Dhenkanal	Crop	Tomato	vegetable	-	Rabi 2011-12	Varietal Evaluation	1.0			0	02		03	05
Dhenkanal	Crop	Cabbage	Vegetable	-	Rabi 2011-12	IPM	1.0			0	02		03	05
Dhenkanal	Crop	Sweet potato	Tuber	-	Rabi 2011-12	IPM	2.0	-	-	0	02		8	10
Dhenkanal	Crop	Tomato	Vegetables	-	Rabi 2011-12	IPM	1.0	-	-	0	0		5	5
Dhenkanal	Enterprise	Flower	marigold	-	Rabi 2011-12	Small scale income generating activities	0.2	-					5	5
Dhenkanal	Enterprise	Goat	-	Dewarming	Rabi 2011-12	Disease of Management	-	150 nos	-				10	10
Dhenkanal	Crop	Sunflower	Oil seed	-	Rabi 2011-12	ICM	5.0						14	14

* Cereal/Oilseed/Pulse/Vegetable/Fruit/Flower/Spice/Medicinal&Aromatic/Fibre/Plantation/Fodder/

** Farm Implements/ Livestock Enterprises (Dairy/Buffalo/Goatery/Poultry etc.)/Mushroom/Apiary/Sericulture/Vermi-composting/Lac production etc.

3.3 Details of farming situation

KVK Name	Name of Crop/ Enterprise	Farming situation (Rainfed/ Irrigated)	Soil type	Type of Cultivation (Low land/ Mid land/ Up land	Cropping system	Previous crops	Status of soil (kg/ha)			Sowing Time	Harvest date	Seasonal rainfall (mm)	No. of rainy days	Status of the FLD (Completed/ Continued/ Result awaited
							N	P	K					
Dhenkanal	Paddy	Rainfed	Sandy loam	Med land	Paddy-pulse	pulse	Low	Med	Med	July I week	Nov I week	823	49	Completed
Dhenkanal	Paddy	Rainfed	Sandy loam	Med land	Paddy-pulse	pulse	Low	Med	Med	July I week	Nov I week	823	49	Completed
Dhenkanal	Elephant Foot Yam	Irrgated	Sandy clay loam	Upland	vegetable	vegetable	Low	Med	Med	July II week	Jan I wk	1200	63	Completed
Dhenkanal	TC Banana	Irrgated	Sandy clay loam	Upland	vegetable	vegetable	Low	Med	Med	Aug II week	Jul I wk	536	31	Completed
Dhenkanal	Paddy	Rainfed	Sandy loam	Med land	Paddy-pulse	pulse	Low	Med	Med	July I week	Nov II wk	823	49	Completed
Dhenkanal	Paddy	Rainfed	Sandy loam	Med land	Paddy-pulse	Pulse	Low	Med	Med	July I week	Nov II wk	823	49	Completed
Dhenkanal	**Gnut**	Rainfed	Sandy loam	upland	Ground nut-fallow	Fallow	Low	Med	Med	July I week	Oct II wk	823	49	Completed
Dhenkanal	Mushroom	-	-	-	-	-	-	-	-	-	-	-	-	Completed

Dhenkanal	Fish	Rainfed	Sandy Clay loam	Med land	Pond based	-	Low	Med	Med	Aug II week	-	536	31	Completed
Dhenkanal	Fish	Rainfed	Sandy Clay loam	Med land	Pond based	-	Low	Med	Med	Sept II week	-	205	12	Completed
Dhenkanal	Ground Nut	Rainfed	Sandy loam	Up land	Ground nut-fallow	Fallow	Low	Med	Med	July I week	Nov II week	823	49	Completed
Dhenkanal	Arhar	Rainfed	Sandy loam	Up land	Arhar-fallow	Fallow	Low	Med	Med	July I week	Feb II week	823	49	Completed
Dhenkanal	Sunflower	Irrigated	Sandy loam	Midland	Rice-sunflower	Rice	Low	Med	Med	Dec II week	Apr II week	24	6	Completed
Dhenkanal	Potato	Irrigated	Sandy loam	Midland	Rice-potato	Rice	Low	Med	Med	Nov IV week	Feb IV week	32	9	Completed
Dhenkanal	Sweet Potato	Irrigated	Sandy loam	Midland	Rice-Sweet Potato	Rice	Low	Med	Med	Oct. I week	Jan III wk	550	20	Completed
Dhenkanal	Tomato	Irrigated	Sandy loam	Midland	Rice-Tomato	Rice	Low	Med	Med	Oct. III week	Jan IV	550	20	Completed
Dhenkanal	Cabbage	Irrigated	Sandy loam	Midland	Rice-Cabbage	Rice	Low	Med	Med	Oct II wk	Deec III wk	20		Completed
Dhenkanal	Sweet potato	Rainfed	Sandy loam	Med land	Vegetable	Fallow	Low	Med	Med	Oct. I week	Jan III wk	823	49	Completed
Dhenkanal	Tomato	Irrigated	Sandy loam	Midland	Rice-Tomato	Rice	Low	Med	Med	Oct. III week	Jan IV	550	20	Completed
Dhenkanal	Flower	Irrigated	Loamysand	Upland	Vegetable-flower	Vegetable	Low	Low	Med	Sept II wk	Nov III wk	605	26	Completed
Dhenkanal	Goat	-	-	-	-	-	-	-	-	-	-	-	-	Completed
Dhenkanal	Sunflower	Irrigated	Sandy loam	Midland	Rice-sunflower	Rice	Low	Med	Med	Dec 2nd week	Apr 2nd week	24	6	Completed

3.4 Details of Technology demonstrated

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
Dhenkanal	Paddy	Low yield due to old variety seed and infestation of seed borne diseases	Use of Their own seed of old varieties Swarna	Cultivation of paddy variety Ranidhan	Cultivation of newly released paddy variety Ranidhan under Medium Land Condition	OUAT (2009)	Varietal evaluation	Ranidhan	Med duration (135 days), high yielding (15-20 q/ha), good for intensive	OUAT (2009	Yes

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
									cropping and contingent planning, resistant to YMV		
Dhenkanal	Paddy	Low yield due to traditional management	Random planting and low plant population	SRI method of rice cultivation	Planting 12 days old seedlings in rows of 25x25 cm spacing with RDF	ANGRAU (2005)	ICM	Lalat	Med duration (120 days), high yielding (15-20 q/ha)	OUAT (2005)	Yes
Dhenkanal	Elephant Foot Yam	Low yield and acridity of local variety	Use of local variety	Cultivation of Gajendra variety of Elephant Foot Yam	Cultivation of non-acrid type CTCRI variety Gajendra with recommended dose of fertilizer	CTCRI (2005)	Varietal evaluation	Gajendra	High yielding, non acrid	CTCRI (2005)	Yes
Dhenkanal	TC Banana	Low yield of local variety	Use of local variety	Cultivation of TC Banana var Bantala	Cultivation of Drought & disease resistance Bantala Variety of banana.	OUAT (2008)	Varietal evaluation	Bantala	High yielding, used for vegetable purpose	OUAT (2008)	Yes
Dhenkanal	Paddy	Reduction of yield due to sheath blight incidence	Spraying of carbendazim @ 2-3g/lit	Use of chemical for Sheath blight control in paddy	Spraying of validamycin at 7 days intervals during tillering stage	OUAT (2002)	IDM	swarna	High yielding and disease susceptible to sheath blight	ANGRAU (2000)	Yes
Dhenkanal	Paddy	High drudgery due to manual weeding	manual weeding	Use of Mandva weeder in wetland condition	Use of Mandva weeder in SRI method of rice cultivation for drudgery reduction	TNAU (2007)	Drudgery reduction	Swarna	Med duration (120 days), high yielding (15-20 q/ha)	ANGRAU (2000)	Yes
Dhenkanal	Gnut	High drudgery due to manual ridging	manual ridging	Use of hand ridger in upland condition	Use of hand ridger in G nut cultivation for drudgery reduction	NRCWA sub Centre CIAE Bhopal (2006)	Drudgery reduction	Smruti	Duration (120 days), high yielding (20-25q/ha)	OUAT (2005)	Yes

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
Dhenkanal	Mushroom	Poor income of farm women	Non scientific cultivation	Mushroom cultivation round the year	Cultivation of Paddy Straw Mushroom	OUAT	Small scle income generation	*V volvaceae*	Remunerative	Solan	Yes
Dhenkanal	Fish	Low income	Only fish stocking but not utilizing dyke area	Integrated fish farming	Adoption of fish cum horticulture cum duck ,integrated farming system for better family income	CIFA (2001)	Small scle income generation	Catla, Rohu mrigal Papaya(red lady), Drumstick (PKM 1), TC banana (Bantala) and Duck(Khaki Campbell)	Rapid growth	CIFA (2001)	Yes
Dhenkanal	Fish	Low yield due to improper feed management	Only fish stocking but not giving artificial feed	Feed management in composite pisci culture	Improved feed management practice for better fish yield	CIFA (2001)	Small scle income generation	Ground nut oil cake, rice bran, and vitamins (Agrimin forte)	Balance diet	CIFA (2001)	Yes
Dhenkanal	Ground Nut	Low yield due to weed infestation and imbalance use of fertilizer	Not using balance fertilizer and weedicide	FLD on Groundnut	Package demonstration	OUAT (1995)	ICM	Smruti, ICGB 91114	Duration (105 days), high yielding (15-20q/ha)	OUAT (2005)	Yes
Dhenkanal	Arhar	Low yield due to weed infestation and imbalance use of fertilizer	Not using balance fertilizer and weedicide	FLD on Arhar	Package demonstration	OUAT (2005)	ICM	ICPL 87	Duration (150 days), bushy, semi dwarf	ICRISAT (2003)	Yes
Dhenkanal	Sunflower	Low yield and oil content due to sulfur free fertilizer	Not using balance fertilizer	Sulphur application in Sunflower	Soil application of Sulphur @ 30kg / ha. along with recommended dose of fertilizer increases	OUAT (2006)	ICM	KBSH-1	High oil content and head size	2003	Yes

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
					yield and oil content of Sunflower						
Dhenkanal	Potato	Low yield and quality due to boron free fertilizer	Not using balance fertilizer	Application of boron in potato	Soil application of Borax in potato @ 10kg/ha along with recommended dose of fertilizer checks cracking in potato	OUAT (2005)	INM	Kufri jyoti	High yielding and good storage quality		Yes
Dhenkanal	Sweet Potato	Low yield & weevil attack	Use of local variety.	Cultivation of Kisan variety of sweet potato.	Cultivation of High Yielding, sweet potato weevil resistant Kisan variety of sweet potato.	CTCRI (2004)	varietal	Kissan	High yielding and weevil resistance	CTCRI (2005)	Yes
Dhenkanal	Tomato	Low yield due to use of local variety and wilt infestation.	Use of local seeds.	Cultivation of Tomato variety Utkala pragyan.	Cultivation of High yielding, wilt resistant Utkal pragyan variety of tomato.	OUAT (2005)	Varietal Evaluation	Utkal Raja	Wilt resistant high yielding variety	OUAT (2005)	Yes
Dhenkanal	Cabbage	Low yield of Cabbage due to high infestation of DBM	Spraying of endosulphan 2 ml/lit	IPM for control of DBM in cabbage	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at 7 days interval, trap crop mustard(15:1)	OUAT (2004)	IPM	Globe master	Wilt resistant high yielding variety	OUAT (2005)	Yes
Dhenkanal	Sweet potato	Reduction of yield due to sweet potato weevil incidence	Spraying of endosulphan 2 ml/lit	IPM for sweet potato weevil in sweet potato	Field sanitation&need based management practice(carbofuran @ 2-3 g/plant and spraying of trizophos)	OUAT (2006)	IPM	Saurin	Susceptible to weevil attack	OUAT (2006)	Yes
Dhenkanal	Tomato	Low yield of Tomato due to high infestation of	Spraying of endosulphan 2 ml/lit	Bio-control of tomato fruit borer	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at	OUAT (2004)	IPM	Utkal Raja	Susceptibe to fruit borer	OUAT (2005)	Yes

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
		fruit borer			10 days interval from 30 DAT						
Dhenkanal	Marigold	Poor family income of farm women due to lack of knowledge about small scale enterprize	Improper utilization of homestead land	Cultivation of marigold in backyard	Cultivation of marigoldin backyard for better family income	OUAT (2004)	Small Scale income generating enterprises	Ceracol yellow	Bushy profuge branching	-	No
Dhenkanal	Dewarming	Low body wt of kids due to worm infection	No control measure	Deworming of kids	Deworming of kids by use of albendazole along with vitamin supplementation	OUAT (2007)	Small Scale income generating enterprises	Valvazin +Meboliv	-	-	No
Dhenkanal	Sunflower	Low yield and oil content improper crop management	Not using balance fertilizer	FLD on Sunflower	Cultivation of hybrid sunflower with ecommended dose of fertilizer	OUAT (2006)	ICM	KBSH-1, KBSH-44	High oil content and head size	2003	Yes

3.5 Performance of FLD

A. Production

KVK Name	Name of Crop/Enterprise	Thematic Area	Variety	No. of Farmers	Area (ha)	Production (q/ha)				Increase in yield (%)
						Demonstration			Local Check	
						Maxi	Min	Average		
1	2	3	4	5	6	7	8	9	10	11
Dhenkanal	Paddy	Varietal evaluation	Ranidhan	5	1.0	45.5	43.0	44.2	39.8	11.0
Dhenkanal	Paddy	ICM	Swarna	5	1.0	63.0	52.0	58.0	40.2	44.3
Dhenkanal	Elephant Foot Yam	Varietal evaluation	Gajendra	5	0.1	290	265	280	210	33.33
Dhenkanal	TC Banana	Varietal evaluation	Bantala	5	0.2	280	265	272.5	162.5	67
Dhenkanal	Paddy	IDM	Swarna	10	2.0	42.7	32.5	38.2	31.1	22.9
Dhenkanal	Paddy	Drudgery reduction	Swarna	05	1.0	57.8	51.3	55.6	39.7	40.1
Dhenkanal	Gnut	Drudgery reduction	Smruti	10	1.0	15.3	11.2	14.6	10.2	43.1

Dhenkanal	Mushroom	Small scle income generation	*V. volvaceae*	20	200 beds	1.4	1.1	1.3	0.8	62.5
Dhenkanal	Fish	Small scle income generation	Catla, Rohu, Mrigal	7	2.8	30.4	26.2	28.3	18.4	53.8
Dhenkanal	Fish	Small scle income generation	Ground nut oil cake, rice bran, and vitamins (Agrimin forte)	6	3.2	32.6	28.4	30.5	18.6	65.6
Dhenkanal	Ground Nut	ICM	Smruti, ICGV 91114	26	10.0	12.5	9.9	11.8	9.5	24.2
Dhenkanal	Arhar	ICM	ICPL 87	13	5.0	10.2	9.4	9.86	7.8	26.4
Dhenkanal	Sunflower	ICM	KBSH-1	5	1.0	11.0	9.5	10.4	9.2	15.2
Dhenkanal	Potato	INM	Kufri jyoti	5	1.0	292	276	280.4	245	14.3
Dhenkanal	Sweet Potato	INM	Kissan	5	0.2	204	177	190	147	29.3
Dhenkanal	Tomato	Varietal Evaluation	Utkal Raja	6	1.0	330	320	325.43	245.14	32.75
Dhenkanal	Cabbage	IPM	Globe master	5	1.0	292	229	252	220	14.5
Dhenkanal	Sweet potato	IPM	Saurin	10	2.0	192	185	188	142.5	32
Dhenkanal	Tomato	IPM	Utkal Raja	5	1.0	215.6	178.6	197.34	135	46.17
Dhenkanal	Flower	Small Scale income generating enterprises	Ceracol yellow	5	0.2	148	110	142	95	49.5
Dhenkanal	Goat	Small Scale income generating enterprises	Valvazin +**Meboliv**	10	-	12	5	9.5	7	35.7
Dhenkanal	Sunflower	ICM	KBSH-1,KBSH-44	13	5.0	10.6	8.5	9.86	7.2	36.9

B. Other Parameters (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated			
		Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check
		12	13	14	15	16	17	18	19	20	21	22	23
Dhenkanal	Paddy	Straw yield	q/ha	46.8	41.5	No. of panicles per plant	Number	12	10	No of grains per panicle	Number	136	119
Dhenkanal	Paddy	Straw yield	q/ha	62.6	47.3	No. of panicles per plant	Number	15	11	No of grains per panicle	Number	154	128
Dhenkanal	Elephant Foot Yam	Tuber weight	Kg.	7	4	Tuber width	Cm.	16.8	13.2	-	-	-	-
Dhenkanal	TC Banana	Bunch	Kg.	45	32	No. of	Nos.	128	85	-	-	-	-

		weight				fingers / bunch							
Dhenkanal	Paddy	Disease incidence	%	6	15	-	-	-	-	-	-	-	-
Dhenkanal	Paddy	Heart Rate:	Beats / Min	110	120	-	-	-	-	-	-	-	-
Dhenkanal	Gnut	Heart Rate:	Beats /Min	95	126	Cardiac Cost:	Beats/ min	16	40	-	-	-	-
Dhenkanal	Mushroom	Non edible mushroom	%	1.2	8.7	-	-	-	-	-	-	-	-
Dhenkanal	Fish	Fish wt	Gm	850	450	Survival	%	80	35	-	-	-	-
Dhenkanal	Fish	Fish wt	Gm	950	460	Survival	%	90	40				
Dhenkanal	Ground Nut	Population/m^2	Number	41	28	No. of pod/plant	Number	11	9	-	-	-	-
Dhenkanal	Arhar	Plant height	Cm.	225	242	No. of pod/plant	Number	382	292	-	-	-	-
Dhenkanal	Sunflower	Head size	Cm	10.8	9.1	Seeds/head	No	187	97	-	-	-	-
Dhenkanal	Potato	Tuber wt	Gm	70	55	-	-	-	-	-	-	-	-
Dhenkanal	Sweet Potato	Fruit weight	Gm	155	125	Fruit length	Cm.	12.5	6.7	-	-	-	-
Dhenkanal	Tomato	Fruit diam	Cm	5.2	4.1	Fruit wt	Gm	80	55	-	-	-	-
Dhenkanal	Cabbage	No of larva/head	%	2	5	-	-	-	-	-	-	-	-
Dhenkanal	Sweet Potato	Pest Infestation	%	5	11	-	-	-	-	-	-	-	-
Dhenkanal	Tomato	Pest Infestation	%	4.2	17.6	-	-	-	-	-	-	-	-
Dhenkanal	Flower	Flowers/plant	No	210	110	Flower wt	Gm	18	10	Plant ht	Cm	45	65
Dhenkanal	Goat	Av growth rate	Kg/month	1.25	0.80	-	-	-	-	-	-	-	-
Dhenkanal	Sunflower	Head size	Cm	11.2	8.9	Seeds/head	No	175	79	-	-	-	-

C. Economic Impact (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check
		24	25	26	27	28	29	30	31
Dhenkana	Paddy	28800	28300	46410	41790	17610	13490	1.61	1.47

l									
Dhenkanal	Paddy	32600	28300	60900	42210	28300	13910	1.87	1.49
Dhenkanal	Elephant Foot Yam	44000	36000	224000	168000	180000	132000	5.09	4.66
Dhenkanal	TC Banana	205000	180000	375000	300000	170000	120000	1.82	1.66
Dhenkanal	Paddy	20500	18800	41213	33534	20713	14734	2.01	1.78
Dhenkanal	Paddy	21510	20600	55,600	39700	34090	19100	2.58	1.93
Dhenkanal	Gnut	10000	8000	29250	21500	19250	13500	2.93	2.68
Dhenkanal	Mushroom	50	40	143	88	93	48	2.86	2.20
Dhenkanal	Fish	110000	65000	283000	184000	173000	119000	2.57	2.27
Dhenkanal	Fish	115000	72000	350000	186000	235000	114000	3.04	2.58
Dhenkanal	Ground Nut	16000	12500	35000	22000	19000	15500	2.19	1.76
Dhenkanal	Arhar	20000	16000	46500	31800	26500	15800	2.33	1.99
Dhenkanal	Sunflower	24200	23000	31200	27600	7000	4600	1.29	1.20
Dhenkanal	Potato	74000	72000	168000	147000	92000	75000	2.27	2.04
Dhenkanal	Sweet Potato	41000	35000	168000	130500	127000	95000	4.09	3.67
Dhenkanal	Tomato	35000	30000	131000	95000	96000	65000	3.74	3.61
Dhenkanal	Cabbage	42000	38000	126000	110000	84000	72000	3.00	2.89
Dhenkanal	Sweet Potato	54000	42000	196000	148000	142000	106000	3.62	3.52
Dhenkanal	Tomato	37800	35200	138138	94500	103338	59300	3.65	2.68
Dhenkanal	Flower	72000	59000	290000	190000	218000	131000	4.00	2.20
Dhenkanal	Goat	103875	10500	57250	40500	46875	30000	5.26	3.86
		-	-	1910	1350	1910	1350	1.45	-

Dhenkanal	Sunflower	24200	23000	31200	27600	7000	4600	1.29	1.20

3.6 Analytical Review of component demonstrations

KVK Name	Crop	Season	Type of Demo (Full Package/ Component)	Components provided by KVK	Components provided by Farmers	Farming situation	Average yield under demonstration(q/ha)	Average yield under Local check (q/ha)	Percentage increase in productivity over local check
Dhenkanal	Paddy	Kharif, 2011	Component	Seed & Feertlizer	FYM & labour Pesticide	Rainfed	44.2	39.8	11.0
Dhenkanal	Paddy	Kharif, 2011	Component	Fertilizer	FYM & Pesticide	Rainfed	58.0	40.2	44.3
Dhenkanal	Elephant Foot Yam	Kharif, 2011	Component	Seed, fertilizer	FYM & Pesticide	Irrgated	280	210	33.33
Dhenkanal	TC Banana	Kharif, 2011	Component	Sapling, fertilizer	FYM, Pesticide	Irrgated	272.5	162.5	67
Dhenkanal	Paddy	Kharif, 2011	Component	Pesticide	Seed, fertilizer	Rainfed	38.2	31.1	22.9
Dhenkanal	Paddy	Kharif, 2011	Component	Mandua weeder	Seed, fertilizer, pestcide	Rainfed	55.6	39.7	40.1
Dhenkanal	Gnut	Kharif, 2011	Component	Hand ridger	Seed, fertilizer, pestcide	Rainfed	14.6	10.2	43.1
Dhenkanal	Mushroom	Kharif, 2011	Component	Spawn	Straw, watering	-	1.3	0.8	62.5
Dhenkanal	Fish	Kharif, 2011	Component	Fingerlings, seedling	Fertilizer, cowdung, lime	Rainfed	28.3	18.4	53.8
Dhenkanal	Fish	Kharif, 2011	Component	Fingerlings	Fertilizer, cowdung, lime, feed	Rainfed	30.5	18.6	65.6
Dhenkanal	Groundnut	Kharif, 2011	Full packaget	Seed, fertilizer, weedicide, pestcide	FYM	Rainfed	11.8	9.5	24.2
Dhenkanal	Arhar	Kharif, 2011	Full packaget	Seed, fertilizer, weedicide,pestcide	FYM	Rainfed	9.86	7.8	26.4
Dhenkanal	Sunflower	Rabi,2011-12	Component	S fertilizer	Fertilizer,FYM,pestcide	Irrigated	10.4	9.2	15.2
Dhenkanal	Potato	Rabi,2011-12	Component	Borax	Fertilizer,FYM,pestcide	Irrigated	280.4	245	14.3
Dhenkanal	Sweet potato	Rabi 2011-12	Component	Vines, fertiliser	FYM, PP chemicals	Irrigated	190	147	29.3
Dhenkanal	Tomato	Rabi 2011-12	Component	Seed, fertilizer	FYM pesticide	Irrigated	325.43	245.14	32.75

Dhenkanal	Cabbage	Rabi 2011-12	Component	Pesticide	Seed, fertilizer	Rainfed	252	220	14.5
Dhenkanal	Sweet potato	Rabi 2011-12	Component	Pesticide	Seed, fertilizer	Rainfed	188	142.5	32
Dhenkanal	Tomato	Rabi 2011-12	Component	Pesticide	Seed, fertilizer	Rainfed	197.34	135	46.17
Dhenkanal	Flower	Rabi 2011-12	Component	Seed, fertilizerVC	FYM	Irrigated	142	95	49.5
Dhenkanal	Goat	Rabi 2011-12	Component	vaccine	-	-	9.5	7	35.7
Dhenkanal	Sunflower	Rabi 2011-12	Full packaget	Seed, fertilizer, weedicide, pestcide	Fertilizer,FYM,pestcide	Irrigated	9.86	7.2	36.9

3.7 Technical Feedback on the demonstrated technologies

KVK Name	Crop	Demonstrated Technology	Village	Block Name	Feed Back
Dhenkanal	Paddy	Cultivationof newly released paddy variety Ranidhan under Medium Land Condition	Khalibandha	Dhenkanal sadar	Variety performing well with no or very less sensisitive to pest and disease
Dhenkanal	Paddy	Planting 12 days old seedlings in rows of 25x25 cm spacing with RDF	Siaria, Arada	Dhenkanal sadar	Very high yield with less labour requirement
Dhenkanal	Elephant Foot Yam	Cultivation of non-acrid type CTCRI variety Gajendra with recommended dose of fertilizer	Khalibandha	Dhenkanal sadar	Variety is free from acridity, High yielding
Dhenkanal	TC Banana	Cultivation of Drought & disease resistance Bantala Variety of banana.	Kaunriapal, Sarakhia	Dhenkanal sadar, Odapada	High yielding & disease resistance.
Dhenkanal	Paddy	Spraying of validamycin at 7 days intervals during tillering stage	Bangursingh	Odapada	Validamycin controls sheath blight effectively
Dhenkanal	Paddy	Use of Mandva weeder in SRI method of rice cultivation for drudgery reduction	Harekrushnapur	Dhenkanal sadar	Mandva weeder is more suitable for women than cono weeder as it is light in weight
Dhenkanal	Gnut	Use of hand ridger in gnut cultivation for drudgery reduction	Katakamada, Jamujhara	Dhenkanal sadar, Kamakhyanagar	Hand ridger is more efficient for making ridges as well as reduces weed infestation
Dhenkanal	Mushroom	Cultivation of Paddy Straw Mushroom	Kharadali, Baulapurpatna	Hindol, Odapada	Mushroom cultivation is remunerative
Dhenkanal	Fish	Adoption of fish cum horticulture cum duck ,integrated farming system for better family income	Harekrusnapur, Ranja, Tavapala, Ghatipiri, Mandara, Podapada	Dhenkanal Sadar Odapada, Gondia	Increase income and employment
Dhenkanal	Fish	Improved feed management practice for better fish yield	Regada, Gengutia, Sarakhia, Katakamada, Aluajharana, Jamujhara, Govindaprasada	Dhenkanal Sadar Odapada, Gondia, Kamakhyanagar	Increase income and employment
Dhenkanal	Groundnut	Package demonstration	Sankhua Katakamada	Dhenkanal Sadar	Biofertiliser & micronutrient of G.nut increase in yield & oil content

Dhenkanal	Arhar	Package demonstration	Siaria, Kharadali	Dhenkanal Sadar, Hindol	Variety performing well with no. or very less sensisitive to pest and disease management
Dhenkanal	Sunflower	Soil application of Sulphur @ 30kg / ha. along with recommended dose of fertilizer	Harekrusnapur	Dhenkanal Sadar	Application of S increases yield and oil content of Sunflower
Dhenkanal	Potato	Soil application of Borax in potato @ 10kg/ha along with recommended dose of fertilizer	Communing	Dhenkanal Sadar	Application of B checks cracking in potato and increases yield and quality of potato
Dhenkanal	Sweet potato	Cultivation of high yielding variety of sweet potato kisan.	Bangursingh	Odapada	High yielding, good cooking quality, good for processing.
Dhenkanal	Tomato	Cultivation of high yielding & wilt resistant variety of tomato.	Bangursing, Katakamada	Odapada Dhenkanal Sadara	High yielding, good for processing, wilt resistance.
Dhenkanal	Cabbage	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at 7 days interval, trap crop mustard(15:1)	Harekrushnapur	Dhenkanal sadar	Biopestcide can be the best alternative to control Diamond back moth in cabbage
Dhenkanal	Sweet potato	Field sanitation need based management practice (carbofuran @ 2-3 g/plant and spraying of trizophos)	Bangursingh	Odapada	Chemical control of weevil is effective
Dhenkanal	Tomato	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at 10 days interval from 30 DAT	Harekrshnapur	Dhenkanal sadar	Biopestcide can be the best alternative to control tomato fruit borer
Dhenkanal	Flower	Cultivation of marigoldin backyard for better family income	Communing	Dhenkanal sadar	Farmers are interested to adopt the technology due to high income
Dhenkanal	Goat	Deworming of kids by use of albendazole along with vitamin supplementation	ChauliaKhamara	Dhenkanal sadar	Use of albendazole is effective in recovery of animal health due to control of worm infection
Dhenkanal	Sunflower	Soil application of Sulphur @ 30kg / ha. along with recommended dose of fertilizer	Harekrusnapur	Dhenkanal Sadar	Application of balance fertilizer and gypsum & sulphur increases yield and oil content of Sunflower

3.8 Farmers' reactions on specific technologies

KVK Name	Crop	Demonstrated Technology	Farmers' Name	Feed Back
Dhenkanal	Paddy	Cultivationof newly released paddy variety Ranidhan under Medium Land Condition	Sukanta Biswal	Variety performing well with no or very less sensisitive to pest and disease
Dhenkanal	Paddy	Planting 12 days old seedlings in rows of 25x25 cm spacing with RDF	Indramani Jena	Very high yield with less labour requirement
Dhenkanal	Elephant Foot Yam	Cultivation of non-acrid type CTCRI variety Gajendra with recommended dose of fertilizer	Lalita Variety	Variety is free from acridity, High yielding & good market demand
Dhenkanal	TC Banana	Cultivation of Drought & disease resistance Bantala Variety of banana.	Santosh Ku. Nayak	High market demand, High yielding =
Dhenkanal	Paddy	Spraying of validamycin at 7 days intervals during tillering stage		Validamycin controls sheath blight effectively
Dhenkanal	Paddy	Use of Mandva weeder in SRI method of rice cultivation for drudgery reduction	Surekha Khuntia	Mandva weeder is more suitable for women than cono weeder as it is light in weight
Dhenkanal	Gnut	Use of hand ridger in gnut cultivation for drudgery reduction	Sabitri Nayak	Hand ridger is more efficient for making ridges as well as reduces weed infestation
Dhenkanal	Mushroom	Cultivation of Paddy Straw Mushroom	Ratnaprava Biswal	Mushroom cultivation is remunerative
Dhenkanal	Fish	Adoption of fish cum horticulture cum duck ,integrated farming system for better family income	Rasananda Mahalik	Farmers are interested to adopt the technology due to high income
Dhenkanal	Fish	Improved feed management practice for better fish yield	Prabesh Ku. Jena	Farmers are interested to adopt the technology due to high income
Dhenkanal	Ground Nut	Package demonstration	Prem Sankar Mishra	Biofertiliser & micronutrient of G.nut increase in yield & oil content
Dhenkanal	Arhar	Package demonstration	Premananda Rout	Variety performing well with no. or very less sensisitive to pest and disease management
Dhenkanal	Sunflower	Soil application of Sulphur @ 30kg / ha. along with recommended dose of fertilizer	Chittaranjan Puhana	Application of S increases yield and oil content of Sunflower
Dhenkanal	Potato	Soil application of Borax in potato @ 10kg/ha along with recommended dose of fertilizer	Pravat Ku Behera	Application of B checks cracking in potato and increases yield and quality of potato
Dhenkanal	Sweet Potato	Cultivation of high yielding weevil resistance sweet potato variety.	Danei Khamari	High yielding, good cooking quality
Dhenkanal	Tomato	Cultivation of high yielding wilt resistance tomato variety.	Bidyadhar Sahoo	High yielding, good for processing.
Dhenkanal	Cabbage	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at 7 days interval, trap crop mustard(15:1)	Sishir Khuntia	Biopestcide can be the best alternative to control Diamond back moth in cabbage
Dhenkanal	Sweat Potato	Field sanitation&need based management practice(carbofuran @ 2-3 g/plant and spraying of trizophos)	Bidyadhar sahoo	Chemical control of weevil is effective
Dhenkanal	Tomato	Soil incorporation of neem cake @ 250 kg/ha, spraying of Bt and neem pesticide at 10 days interval from 30 DAT, trap crop	Naresh Puhana	Biopestcide can be the best alternative to control tomato fruit borer

		marigold		
Dhenkanal	Flower	Cultivation of marigoldin backyard for better family income	Pankajini Behera	Farmers are interested to adopt the technology due to high income
Dhenkanal	Goat	Deworming of kids by use of albendazole along with vitamin supplementation	Daya Dehury	Use of albendazole is effective in recovery of animal health due to control of worm infection
Dhenkanal	Sunflower	Package demonstration	Chitta Ranjan Puhan	Application of balance fertilizer and gypsum & sulphur increases yield and oil content of Sunflower

3.9 Extension and Training activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Dhenkanal	Onion	Field days	1	50	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	1	-	-
Dhenkanal		Training for extension functionaries	-	-	-
Dhenkanal	Cassava	Field days	1	50	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries	-	-	-
Dhenkanal	Tomato	Field days	1	50	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries			
Dhenkanal	G nut	Field days	1	50	-
Dhenkanal		Farmers Training	-	-	-
Dhenkana		Media coverage	-	-	-

l					
Dhenkanal		Training for extension functionaries	1	15	-
Dhenkanal	Arhar	Field days	1	50	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries			
Dhenkanal	Sunflower	Field days	1	50	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries			
Dhenkanal	Sweetpotato	Field days	-	-	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries			
Dhenkanal	Mushroom	Field days	-	-	-
Dhenkanal		Farmers Training	2	50	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries			
Dhenkanal	Potato	Field days	-	-	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkana		Training for extension functionaries			

l					
Dhenkanal	Fish	Field days	-	-	-
Dhenkanal		Farmers Training	1	25	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries	1	15	
Dhenkanal	Drudgery reduction	Field days	-	-	-
Dhenkanal		Farmers Training	3	75	-
Dhenkanal		Media coverage	-	-	-
Dhenkanal		Training for extension functionaries	1	15	-

3.10 FLD on Farm implements and machinery

Name of KVK	Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation Heart Rate: Beats /Min		% change in major parameter	Labor reduction (man days)		Cost reduction (Rs./ha or Rs./Unit ect.)	
						Demonstration	Check		Demonstration	Check	Demonstration	Check
Dhenkanal	Mandva weeder	Paddy	Use of Mandva weeder in wetland condition	10	1.0	120	110	-9.1	12	-	1080	-
Dhenkanal	Hand ridger	Gnut	Use of hand ridger in upland condition	10	1.0	95	126	32.6	10	-	900	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FORMAT 2 – STAFF POSITION, TRAININGS, EXTENSION ACTIVITIES

REPORTING PERIOD – 1st April, 2011 to 31st March, 2012

1. Staff Position (as on 31st March 2012)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
Dhenkanal	Programme Coordinator	**Vacant**								
Dhenkanal	Subject Matter Specialist4	Dr. B. Kabat (I/C Programme coordinator)	Soil Science	Ph. D.	Soil Science	15,600-39,100	19810/+6000 (GP)	23.07.09	Temporary	Gen
Dhenkanal	Subject Matter Specialist2	Sri B.R. Pattanaik	Extension	M.Sc. (Ag.)	Extension	15,600-39,100	19810/+6000 (GP)	04.06.07	Temporary	Gen
Dhenkanal	Subject Matter Specialist3	Smt. S. Pal	Home Science	M.Phil	Home Science	15,600-39,100	19810/+6000 (GP)	15.11.07	Temporary	Gen
Dhenkanal	Subject Matter Specialist5	Sri Sidhartha Kar	Horticulture	MSc(Ag)	Horticulture	15,600-39,100	16920+6000 (GP)	01.10.09	Temporary	Gen
Dhenkanal	Subject Matter Specialist6	Sri D Panda	Entomology	M.Sc. (Ag.)	Entomology	15,600-39,100	19810/+6000 (GP)	6.04.11	Temporary	Gen
Dhenkanal	Subject Matter Specialist2	**Vacant**								
Dhenkanal	Programme Assistant	Sri. Jashobanta Sahoo	fishery	BFSc.	Fishery	9300-34,800	11940/-+4200(GP)	04.10.09	Temporary	OBC
Dhenkanal	Farm Manager	Mrs. Kaberi Maharana	Horticulture	Msc(Ag)	Horticulture	9300-34,800	9300+4200(GP)	26.09.11	Temporary	OBC
Dhenkanal	Computer Programmer	Sri B. Pradhan	Computer	MCA	Computer	9300-34,800	11940/-+4200(GP)	23.12.09	Temporary	OBC
Dhenkanal	Accountant / superintendent	**Vacant**								
Dhenkanal	Stenographer	Sri G.R. Das	-	B.A.	-	5,200-20,200	6430/-+2400/-	08.01.07	Temporary	Gen
Dhenkanal	Driver	Sri K.B. Mohanty	-	UP	-	5,200-20,200	5870+1900/-	24.07.07	Temporary	Gen
Dhenkanal	Driver	Sri N.M. Sahoo	-	UP	-	5,200-20,200	5870+1900/-	25.07.07	Temporary	Gen
Dhenkanal	Supporting staff	Smt. Ahalya Baral	-	UP	-	4440-7440	4800/- + 1300	28.07.08	Temporary	Gen
Dhenkanal	Supporting staff	Sri Bhagir Dalai	-	UP	-	4440-7440	4800/- + 1300	29.07.08	Temporary	SC

2. 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
Dhenkanal	Farmer and Farm woman	PRA tools and Group Disscussion – Need assessment of farmers and farmer women was done through PRA tools and discussion with them.	Jamujhara 22.7.2011, Bangursingh 11.8.2011	40 each
Dhenkanal	Rural Youth	PRA tools and Group Disscussion – Need assessment of Rural youth was done through PRA tools and discussion with them.	Majhisahi, 24.9.11Nachipura, 12.11.11	25 each

3. TRAINING PROGRAMMES

Table 3.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	Participants					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
Dhenkanal	FW	OFC	HOV	Management of orchard	1	1	1	05	01	00	00	16	03
Dhenkanal	FW	OFC	HOV	Management of mango & cashew.	1	1	1	07	00	0	0	18	00
Dhenkanal	FW	OFC	HOV	Off season vegetable cultivation.	1	1	1	04	00	00	00	21	00
Dhenkanal	FW	OFC	HOV	Winter and underutilized vegetable cultivation.	1	1	1	05	11	00	00	04	05
Dhenkanal	FW	OFC	HOV	Cultivation of salanasious vegetables.	1	1	1	11	05	00	00	04	05
Dhenkanal	FW	OFC	HOV	Cultivation of summer vegetable.	1	1	1	00	00	00	00	25	00
Dhenkanal	FW	OFC	HOF	Value addition of fruit crops.	1	1	1	00	00	00	00	10	15
Dhenkanal	FW	OFC	HOF	Training on hitech horticulture farming.	1	1	1	00	00	00	00	18	07
Dhenkanal	FW	OFC	HOT	Tuber crop cultivation process.	1	1	1	06	00	00	00	19	00
Dhenkanal	FW	OFC	HOS	Training on spices cultivation.	1	1	1	00	00	21	04	00	00
Dhenkana	FW	OFC	HOM	Training on medicinal	1	1	1	14	11	00	00	00	00

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	**Participants**					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
l				farming.									
Dhenkanal	RY	OFC	RY	Planting material production for rural youth.	1	1	2	07	05	0	0	02	01
Dhenkanal	IS	ONC	HOO	Training on organic farming	1	1	2	06	00	0	0	08	01
Dhenkanal	IS	ONC	HOF	Training on application of hormones and inter cropping in fruit crops.	1	1	2	04	01	00	00	08	02
Dhenkanal	FW	OFC	SFM	Integrated nutrient management in paddy	1	1	1	0	0	0	0	25	0
Dhenkanal	FW	OFC	SFM	Nutrient management in kharif groundnut	1	1	1	7	1	0	0	17	0
Dhenkanal	FW	OFC	SFM	Soil test based fertilizer response in crops	2	2	2	4	1	0	0	21	24
Dhenkanal	FW	OFC	SFM	Fertilizer management in Kharif paddy	1	1	1	0	11	0	0	1	13
Dhenkanal	FW	OFC	SFM	SRI method of rice cultivation	1	1	1	0	0	0	0	10	15
Dhenkanal	FW	OFC	SFM	Importance of soil testing & technique of soil sampling	2	2	2	14	2	0	0	22	12
Dhenkanal	FW	OFC	SFM	Nutrient management in sunflower	1	1	1	14	2	0	0	9	0
Dhenkanal	FW	OFC	SFM	Fertilizer management in potato	1	1	1	18	1	4	2	0	0
Dhenkanal	FW	OFC	SFM	Acid soil management	1	1	1	2	0	0	0	23	0
Dhenkanal	FW	OFC	SFM	Use of bio-fertiliser in crops	1	1	1	18	1	4	2	0	0
Dhenkanal	RY	OFC	SFM	Vermicomposting	1	1	2	2	0	0	0	9	4
Dhenkanal	IS	OFC	SFM	INM in pulse	1	1	2	1	2	2	1	7	2
Dhenkanal	FW	OFC	WOE	Preparation of balance diet for rural infants	1	1	1	0	0	0	0	0	25
Dhenkanal	FW	OFC	WOE	Mushroom cultivation from agricultural waste	1	1	1	0	4	0	0	0	21

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	**Participants**					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
Dhenkanal	FW	OFC	WOE	Mushroom cultivation from agricultural waste	1	1	1	0	0	0	0	0	25
Dhenkanal	FW	OFC	WOE	Use of women friendly tools & implements for drudgery reduction	1	1	1	0	0	0	23	0	2
Dhenkanal	FW	OFC	WOE	Use of women friendly tools & implements for drudgery reduction	1	1	1	0	0	0	0	0	25
Dhenkanal	FW	OFC	WOE	Dhingri mushroom cultivation	1	1	1	0	7	0	0	0	18
Dhenkanal	FW	OFC	WOE	Preparation of preserve product from tomato	1	1	1	0	0	0	0	0	25
Dhenkanal	FW	OFC	WOE	Floriculture in back yard	1	1	1	0	0	0	0	0	25
Dhenkanal	FW	OFC	WOE	Value added product from G.nut	1	1	1	0	2	0	0	0	23
Dhenkanal	FW	OFC	WOE	Value added product from mushroom	1	1	1	0	9	0	0	0	16
Dhenkanal	FW	OFC	WOE	Preservation of vegetables by drying	1	1	1	0	1	0	0	0	24
Dhenkanal	FW	OFC	WOE	Role of farm women in preservation of bio diversity	1	1	1	0	8	0	0	0	17
Dhenkanal	RY	ONC	WOE	Different generating activities	1	1	2	0	1	0	7	0	7
Dhenkanal	RY	ONC	WOE	Straw craft	1	1	2	0	1	0	0	0	14
Dhenkanal	IS	OFC	WOE	Reduction of drudgery of farm women by use of women friendly tools	1	1	2	1	2	1	1	8	2
Dhenkanal	FW	OFC	PLP	Integrated pest management in paddy	1	1	1	1	0	0	0	24	0
Dhenkanal	FW	OFC	PLP	Management of blast, sheath blight & blb disease in rice	1	1	1	0	0	0	0	20	5
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in mango	1	1	1	22	0	2	0	1	0

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	**Participants**					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in brinjal	1	1	1	13	4	0	0	8	0
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in papaya	1	1	1	0	0	0	0	15	10
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in cole crops	1	1	1	0	0	0	0	23	2
Dhenkanal	FW	OFC	PLP	Use of pheromone trap & bio pesticides in IPM practices	1	1	1	0	0	0	0	25	0
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in sunflower	1	1	1	6	0	0	0	19	0
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in summer rice	1	1	1	0	0	21	4	0	0
Dhenkanal	FW	OFC	PLP	Use of ITK in pest control	1	1	1	9	16	0	0	0	0
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in G. nut	1	1	1	0	0	0	0	25	0
Dhenkanal	IS	ONC	PLP	Different IPM strategy in different oil seed crops	1	1	1	0	0	0	0	9	6
Dhenkanal	RY	OFC	PLP	Technology for treatment of seed & seedlings for control of diseases	1	1	2	0	0	15	0	0	0
Dhenkanal	FW	OFC	FIS	Site selection and construction of fish pond	1	1	1	8	0	0	0	17	0
Dhenkanal	FW	OFC	FIS	Pre stocking management of pond	1	1	1	5	0	0	0	20	0
Dhenkanal	FW	OFC	FIS	Post stocking management of pisci culture pond	1	1	1	7	0	1	0	17	0
Dhenkanal	FW	OFC	FIS	Feed management in composite pisci culture	1	1	1	0	0	0	0	10	15
Dhenkana	FW	OFC	FIS	Fresh water prawn	1	1	1	0	25	0	0	0	0

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	**Participants**					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
l				culture									
Dhenkanal	FW	OFC	FIS	Pisci culture pond management in winter season	1	1	1	3	0	0	0	22	0
Dhenkanal	FW	OFC	FIS	Water quality management of pisci culture tank in winter season	1	1	1	0	0	0	0	25	0
Dhenkanal	FW	OFC	FIS	Fish cum duck culture	1	1	1	0	6	19	0	0	0
Dhenkanal	FW	OFC	FIS	Fish seed production	1	1	1	0	0	0	0	22	3
Dhenkanal	FW	OFC	FIS	Fish culture pond management in summer	1	1	1	0	0	6	0	18	1
Dhenkanal	RY	ONC	FIS	Fry & fingerling rearing	1	1	2	1	0	0	0	14	0
Dhenkanal	RY	ONC	FIS	Aquarium fish culture for self employment	1	1	2	0	0	2	0	13	0
Dhenkanal	IS	ONC	FIS	Integrated fish farming for self employment	1	1	2	1	1	0	0	12	1
Dhenkanal	FW	OFC	LPM	Forage for diary animal	1	1	1	5	3	0	0	9	8
Dhenkanal	RY	ONC	CBD	Entreprenureship development	1	1	2	0	0	0	0	2	13
Dhenkanal	RY	ONC	CBD	Training need assessment	1	1	2	0	0	0	0	0	15
Dhenkanal	RY	ONC	CBD	Spawn preparation and marketing	1	1	2	0	0	0	0	0	15
Dhenkanal	RY	ONC	CBD	Farmers club formation and their management	1	1	2	0	0	0	0	15	0
Dhenkanal	RY	ONC	CBD	Vermicomposting for self employment	2	2	4	0	0	0	0	24	6
Dhenkanal	RY	ONC	CBD	SHGs group formation & management	1	1	1	0	0	0	0	0	15
Dhenkanal	RY	ONC	CBD	Capacity building of farmers	1	1	1	0	0	0	0	12	3
Dhenkana	RY	ONC	CBD	Leadership development	1	1	1	0	0	15	0	0	0

Name of KVK	Cate-gory	Training Type	Theme code	Sub-theme	No. of Courses (**Targeted**)	No. of Courses (**Achieved**)	Duration (Days)	**Participants**					
								SC		ST		Others	
								M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**10**	**11**	**12**	**13**	**14**		
l													
Dhenkanal	RY	ONC	CBD	Oyster mushroom cultivation	1	1	1	7	0	0	0	8	0
Dhenkanal	IS	ONC	CBD	PRA methodology and its applicability	1	1	2	0	0	0	0	0	15
Dhenkanal	IS	ONC	CBD	ITK in Horticalture	1	1	2	0	0	0	0	2	13
Dhenkanal	IS	ONC	CBD	ITK in Agricalture	1	1	2	0	0	0	0	9	5

Table 3.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	**Training title**	**Crop / Enterprise**	**Identified Thrust Area**	**Duration of training (days)**	**Number of Beneficiaries**					
					SC		ST		Others	
					M	F	M	F	M	F
Dhenkanal	Vermicomposting	Enterprise	Vermicomposting	2	0	0	5	0	10	0
Dhenkanal	Cultivation of flowers for income generation	Crop	Floriculture	2	0	0	0	0	15	0
Dhenkanal	Raising of quality planting material	Crop	Agroforestry	2	0	0	15	0	0	0
Dhenkanal	Cultivation practices of medicinal plants	Crop	Medicinal plants	2	0	0	0	0	15	0
Dhenkanal	Production & rearing technology of fish	Enterprise	Integrated fish farming	2	0	0	0	0	15	0
Dhenkanal	Rearing of goat for self employment	Enterprise	Goatery	2	0	7	0	0	1	7
Dhenkanal	Farmers club formation	Enterprise	-	2	0	0	0	0	15	0
Dhenkanal	Mushroom spawn preparation for income generation	enterprise	Mushroom	2	0	0	0	0	15	0

Table 3.3. 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**	
Dhenkanal	Bee keeping	Bee units	10	4	-
Dhenkanal	Paddy straw mushroom cultivation	Mushroom beds	650	50	-
Dhenkanal	Vermicomposting	Vermicompost	5	5	-

		units			
Dhenkanal	Nursery raising	Nursery units	4	4	-

Table 3.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Dhenkanal	Enhancing water productivity for livelihood security	Crop production	Small scale income generation	FW	7	1	32	12	4	2	0	0	OUAT	66500/-

4. 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	
Dhenkanal	Vermi-composting	25	48	74	6	10	3000	4500	1. 25 farmers 2. Out of 25 trainees,7 farmers adopted the tecchnology 3. (i) Knowledge: 75 (After-Before)/Before *100 (ii) Production: 66 % (ii) Income: 64 %
Dhenkanal	Scientific Bee keeping for self employment	25	45	74	2kg	2.5kg	300	375	1. 25 farmers 2. Out of 25 trainees,5 farmers adopted the tecchnology 3. (i) Knowledge: 64 (After-Before)/Before *100 (ii) Production: 25 % (ii) Income: 25%
Dhenkanal	Production and rearing technology for fish fries and fingerlings	15	36	54	15	22	120000	176000	1. 12ha 2. Out of 25 trainees,8 farmers adopted the tecchnology 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 46 % (ii) Income: 46 %

Dhenkanal	Integrated nutrient management in paddy	25	28	43	34	43	35000	42000	1. 130 ha 2. Out of 25 trainees,15 farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 28 % (ii) Income: 27%
Dhenkanal	SRI method of rice cultivation	25	43	56	45	64	45000	65000	1. 400 ha 2. Out of 25 trainees,15 farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 43 % (ii) Income:42%
Dhenkanal	Fertilizer management in potato	25	43	67	240	270	120000	135000	1. 140 ha 2. Out of 25 trainees,10 farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 55% (ii) Income:56%
Dhenkanal	Acid soil management	25	12	45	35	45	30000	45000	1. 210 ha 2. Out of 25 trainees,5 farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 29 % (ii) Income:50%
Dhenkanal	Vermicomposting	15	5	50	10	30	3000	25000	1. 25 farmers 2. Out of 25 trainees,7 farmers adopted the tecchnology 3. (i) Knowledge: 75 (After-Before)/Before *100 (ii) Production: 66 % (ii) Income: 50 %
Dhenkanal	Mushroom cultivation from agricultural waste	25	25	12	45	35	45	30000	1. 25 farmers 2. Out of 25 trainees,7 farmers adopted the tecchnology 3. (i) Knowledge: 75 (After-Before)/Before *100 (ii) Production: 66 % (ii) Income: 50 %

Dhenkanal	Use of women friendly tools & implements for drudgery reduction	25	25	12	45	35	45	30000	1. 25 farmers 2. Out of 25 trainees,8 farmers adopted the tecchnology 3. (i) Knowledge: 75 (After-Before)/Before *100 (ii) Production: 66 % (ii) Income: 50 %
Dhenkanal	Integrated pest management in paddy	25	28	43	34	43	35000	42000	1. 160 ha 2. Out of 25 trainees,9farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 28 % (ii) Income:
Dhenkanal	Management of blast, sheath blight & blb disease in rice	25	28	43	34	43	35000	42000	1. 120ha 2. Out of 25 trainees,15 farmers adopted drip irrigation for orchard crops 3. (i) Knowledge: 50 (After-Before)/Before *100 (ii) Production: 28 % (ii) Income:
Dhenkanal	Feed management in composite pisci culture	15	36	54	15	22	12000	23000	1. 25 farmers 2. Out of 25 trainees,7 farmers adopted the tecchnology 3. (i) Knowledge: 75 (After-Before)/Before *100 (ii) Production: 66 % (ii) Income: 50 %

5. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
KVK Dhenkanal	Field Day	6	6	214	32	44	10	06	0	Popularization and dissemination of improved cultivation of crops	Improved cultivation of crops	Early maturity stage
KVK Dhenkanal	Kisan Mela	1	1	55	10	30	5	8	0	0	0	0
KVK Dhenkanal	Kisan Ghosthi	6	6	105	0	15	0	2	2	Popularization and dissemination of	Improved cultivation	Kharif crop season

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
										technology	of Kharif crops	
KVK Dhenkanal	Exhibition	4	4	0	0	0	0	0	0	0	0	0
KVK Dhenkanal	Film Show	12	12	163	122	12	3	10	10	Popularization and improved technology	44 film CDs	Kharif crop season
KVK Dhenkanal	Method Demonstrations	2	2	45	8	5	2	3	1	Popularization and improved technology	Improved cultivation of Kharif crops	Kharif crop season
KVK Dhenkanal	Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
KVK Dhenkanal	Workshop	1	1	32	4	2	1	1	0	Popularization of maize cultivation	Improved cultivation of maize	Maturity stage
KVK Dhenkanal	Group meetings	6	10	340	120	30	10	2	0	Problem analysis	-	Kharif crop season
KVK Dhenkanal	Lectures delivered as resource persons	9	10	-	-	-	-	-	-	Popularization and improved technology	Mushroom, vermicompo st	-
KVK Dhenkanal	Newspaper coverage	5	5	-	-	-	-	-	-	Popularization and improved technology	-	-
KVK Dhenkanal	Radio talks	4	3	-	-	-	-	-	-	-	Soil sampling	-
KVK Dhenkanal	TV talks	2	5	-	-	-	-	-	-	-	Fruit cultivation	-
KVK Dhenkanal	Popular articles	4	5	-	-	-	-	-	-	-	Banana cultivation	-
KVK Dhenkanal	Extension Literature	4	6	-	-	-	-	-	-	Popularization and improved technology	Banana, bittergourd, potato, ITK	-
KVK Dhenkanal	Farm advisory Services	40	40	15	6	10	9	-	-	-	-	-
KVK Dhenkanal	Scientific visit to farmers field	180	180	140	48	20	12	-	-	-	-	-
KVK Dhenkanal	Farmers visit to KVK	300	375	295	50	28	2	-	-	Popularization and improved technology	Improved cultivation of Kharif	Kharif crop season

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
											crops	
KVK Dhenkanal	Diagnostic visits	30	45	42	3	12	3	-	-	-	-	-
KVK Dhenkanal	Exposure visits	1	0	0	0	0	0	0	0	0	0	0
KVK Dhenkanal	Ex-trainees Sammelan	4	10	140	43	14	3	-	-	-	-	-
KVK Dhenkanal	Soil health Camp	1	1	20	5	4	1	-	-	-	-	-
KVK Dhenkanal	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
KVK Dhenkanal	Soil test campaigns	2	1	21	5	3	1	-	-	-	-	-
KVK Dhenkanal	Farm Science Club conveners meet	10	15	220	0	80	0	20	-	-	-	-
KVK Dhenkanal	Self Help Group conveners meetings	6	10	0	210	0	40	0	0	0	0	0
KVK Dhenkanal	Mahila Mandals conveners meetings	0	0	0	0	0	0	0	0	0	0	0
KVK Dhenkanal	Celebration of important days	2	2	34	45	6	15	0	2	0	0	0
KVK Dhenkanal	Animal Health Camp	1	1	120	12	15	3	3	0	0	0	0
KVK Dhenkanal	Electronic Media (CD./DVD)	6	3	0	0	0	0	0	0	0	0	0

FORMAT 3- MISCELLENIOUS ACTIVITY

REPORTING PERIOD – 1st April, 2011 to 31st March, 2012

1 BIO PRODUCTS

KVK Name	Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
				No	(kg)		
Dhenkanal	**BIOAGENTS**						
Dhenkanal	**BIOFERTILIZERS**	Vermicompost	-		1630	8150	15
Dhenkanal	**BIO PESTICIDES**	Earthworm	E foetida	-	4	1600	1

2 LIVESTOCK

Name of KVK	Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dhenkanal	**Poultry**				
Dhenkanal	Broiler				
Dhenkanal	Layers				
Dhenkanal	Duals (broiler and layer)				
Dhenkanal	**Fisheries**				
Dhenkanal	Indian carp				
Dhenkanal	Exotic carp				
Dhenkanal	Others (Pl. specify)				
Dhenkanal	**Total**				

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

(A) KVK News Letter ((,etc.)

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Dhenkanal	March 2008	Quarterly yearly	2000	1500

(B) Literature developed/published

KVK Name	Type	Title	Authors name	Number of copies
Dhenkanal	Booklet	Annual plan for fish cultivation	J Sahoo	500
Dhenkanal		Fasalare Mitra kita	D Panda	500
Dhenkanal		Mahila upajogi unnata krushi jantrapati	S Pal	500
Dhenkanal		Scientific method of bitter gourd cultivation	S Kar	250
Dhenkanal		Scientific method of tomato cultivation	S Kar	500
Dhenkanal		Banraja rearing	S Misahra	250
Dhenkanal		Application and use of biofertlizer in crops	B R Pattnaik	250
Dhenkanal	Research Paper	Effect of date of planting of Hybrid paddy on yield and N nutritionOryza48(2):186-187	B Kabat & M R Satapathy	-
Dhenkanal		Evaluation of high yielding tomato varieties(*Lycopersicom esculentum*) in Mid central table land zone of Odisha	S Kar, M R Satapathy and N C Barik	-
Dhenkanal	Popular Article	Tissue culture banana cultivation	S Kar	-
Dhenkanal		Pulse production of Odisha at a flance	B Kabat	-
Dhenkanal				
Dhenkanal				
Dhenkanal				
Dhenkanal				

(C) Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Dhenkanal	CD	Acid soil management Seed treatment Maize cultivation	1 1 1

4 Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

Year of establishment : **2004-05**

1. List of equipments purchased with amount :

KVK Name	Name of the Equipment	Qty.	Cost
Dhenkanal	Kelplus automatic Nitrogen estimation system	1 no.	3,57,056
Dhenkanal	Flame photometer & visible spectrophotometer	1 no. each	65,808
Dhenkanal	Servo voltage stabilizer	1 no.	13,500
Dhenkanal	Hot plate	1 no.	2,520
Dhenkanal	Micro processor based pH meter	1 no.	10,200
Dhenkanal	Conductivity meter	1 no.	10,200
Dhenkanal	Refrigerator	1 no.	9,200
Dhenkanal	Eletric top pan balance	1 no.	95,000
Dhenkanal	Physical balance	1 no.	4,500
Dhenkanal	Soil augur	1 no.	2,850
Dhenkanal	Bouyoucos hydrometer	1 no.	6,500
Dhenkanal	Mechanical stirrer	1 no.	8,200
Dhenkanal	Colony counter	1 no.	4,500
Dhenkanal	Plant sample grinder	1 no.	8,000
Dhenkanal	Hot water bath	1 no.	4,000
Dhenkanal	Horizontal shaker	1 no.	11,000
Dhenkanal	Distilled water unit	1 no.	7,200
Dhenkanal	Hot air oven	1 no.	10,500
Dhenkanal	Laboratory Centrifuge	1 no.	9,000
Dhenkanal	Sieves (10 mesh)	1 no.	700
Dhenkanal	Sampling tube (60 mesh)	1 no.	423
Dhenkanal	Soil thermometer	1 no.	2,712
Dhenkanal	Olympus model ML-M	1 no.	17,900
Dhenkanal	Olympus model MS-13	1 no.	26,890
Dhenkanal	BOD incubator	1 no.	42,000

2. Details of samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Dhenkanal	Soil Samples	1010	720	66	5230
Dhenkanal	Water Samples	40	20	10	-
Dhenkanal	Plant Samples	0	0	0	0
Dhenkanal	Petiole Samples	0	0	0	0

5 Production and supply of Technological products

SEED AND PLANTING MATERIALS

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Dhenkanal	Cereals	Paddy	MTU 7029(F)	SD	25.2	Qtl.	51912	OSSC
		Paddy	MTU 1001(F)	SD	92.4	Qtl.	190344	
Dhenkanal	Vegetables	Tomato	TJ-59	PM	1280	Nos.	320	10
	Vegetables	Cassava	Shree vishakham	PM	100	Nos.	800	Local sale

SD – Seed; PM – Planting Material

6 Performance of instructional farm (Crops) including seed production (as on 31.03.2012)

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Dhenkanal	Cereals	Paddy	07.07.2011	15-27.12.2011	4.5	MTU 1001(F)	Foundation	92.4 qtl.	2060 / q.	190344	-
		Paddy	05.07.2011	28 – 02.01.2012	1.0	MTU 7029(F)	Foundation	25.2qtl.	2060 / q.	51912	-
		Paddy straw						33		2640	-
Dhenkanal	Fruits	Papaya	20.08.2010	12.02.2011 on wards	0.01	Red lady	HYB	33 Kg.		165	
Dhenkanal	Fruits	Banana	10.10.2010	15.11.2011	0.02	Bantala	TC	4 bunch		400	
Dhenkanal	Fruits										

7 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty (q)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Dhenkanal	Vermi compost	16.3	3450	8150	Local sale
Dhenkanal	Earth worm	4	1000	1600	Local sale
Dhenkanal	Mushroom (Paddy straw)	2.43	-	12150	
Dhenkanal	Mushroom (Oyster mushroom)	0.36	-	1800	Local sale

8 Performance of instructional farm (livestock and fisheries production)

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

9 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	No. of Courses	No of Demonstrations	Client (PF/RY/EF)	No. of planting material produced	No of Officials/extension persons Visited	No. of farmers visitors including SC/ST			No. of SC/STParticipants		
								Male	Female	Total	Male	Female	Total
Dhenkanal	-	-		-	-			-	-	-	-	-	-

10 Utilization of hostel facilities

Accommodation available (No. of beds) :

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Dhenkanal	Jan	2012	Exposure visit by AHO,Banki	4	20	80	
Dhenkanal	Mar	2012	Exposure visit by Horticulturist Kochinda	2	25	50	
Dhenkanal	Mar	2012	Exposure visit by DDH,Keonjhar	3	30	90	

11. Documentation of Innovative technologies at the district level: NA

12. Some importance success stories and case studies: Attached Separate File

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

14. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Dhenkanal	Arhar	5	13
Dhenkanal	Gnut	10	26

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Dhenkanal	Oilseeds	15.0	52
Dhenkanal	Pulses	5.0	13
Dhenkanal	Cereals	3.0	15

Dhenkanal	Vegetable crops	3.0	30
Dhenkanal	Tuber crops	0.5	10
Dhenkanal	Fruits	1.0	10
Dhenkanal	Spices		
Dhenkanal	Cotton		
Dhenkanal	**Total**	**27.5**	**139**

Farmers-scientists interaction on livestock management

Name of KVK	**Livestock components**	**Number of interactions**	**No.of participants**
Dhenkanal	Dairy Management	5	125
Dhenkanal	Disease management	1	50
Dhenkanal	Feed and fodder technology	1	25
Dhenkanal	Poultry management	1	25

Animal health camps organised

Name of KVK	**Number of camps**	**No.of animals**	**No.of farmers**
Dhenkanal	1	150	62

Seed distribution in drought hit states

Name of KVK	**Crops**	**Quantity (qtl)**	**Coverage of area (ha)**	**Number of farmers**
Dhenkanal	Groundnut	6	10	26
Dhenkanal	Paddy	2.25	3	15
Dhenkanal	vegetables	0.5	4	10
Dhenkanal	Arhar	1.0	5	13

Seedlings and Saplings distributed

Name of KVK	**Crops**	**Quantity (No.s)**	**Coverage of area (ha)**	**Number of farmers**
Seedlings				
Dhenkanal	Brinjal	5000	0.2	2
Dhenkanal	Chilli	2000	0.1	4
Dhenkanal	Marigold	10000	0.5	5

Saplings				
Dhenkanal	Papaya	500	1	10
Dhenkanal	Banana	500	0.6	5
Dhenkanal	Mango	100	2	4

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Dhenkanal	Tricho derma Viride	10	2.0	10

(e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Dhenkanal	Azatobactor	10	5	13
Dhenkanal	Rizobium	15	10	26

(f) Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Dhenkanal	E foetida	0.04	-	1
Dhenkanal	Vermicompost	10	-	10

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Dhenkanal	Cultivation of fruits	25	125
Dhenkanal	Drought tolerant crop and sort duration variety	100	220
Dhenkanal	Integrated Crop Management	150	400
Dhenkanal	SRI	800	2000
Dhenkanal	weed management in groundnut	1200	2500
Total			

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
Dhenkanal	20	500	5	150	4	200	1	200	1	400	10	300
Total	20	500	5	150	4	200	1	200	1	400	10	300

15. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Dhenkanal	Fish feed management	1	29	Fish farming
Dhenkanal	Drudgery reduction	1	34	Improved sikle hand ridger maize sheller
Dhenkanal	Film show	4	120	ICM ofkharif crops
Dhenkanal	Farm Visit(IFS)	1	24	Diagnostic visit
Dhenkanal	Soil health camp	1	39	Soil sampling and its importance
Dhenkanal	Animal health camp	1	50	Cow buffalo goat etc
Dhenkanal	IPM	1	24	Pp chenicals
Dhenkanal	Value addition	1	39	Tomato soup and pickle
	Total number of farmers visited the technology week	11	239	

16. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Number of Member Participated	Major recommendations
Dhenkanal	14.07.2011	40	DEE advised to prepare the block wise soil fertility map of Dhenkanal district and to analyse 1000 number of soil samples every year. He also suggested to analyse macro and micro nutrients status of the FLD and OFT samples at Dept of Soil Science and Agril. Chem., OUAT, Bhubaneswar.
			He advised to develop new orchards with newly introduced variety, cultivation of off-season vegetables and increase the area under floriculture to enhance the income of rural farmers. He also suggested to plant mango and cashew in 15 ha of fallow land of KVK, Dhenkanal.
			He also advised to promote organic cultivation of vegetables in large scale for better impact in the district and to develop drip irrigation system on banana.

			DEE advised to develop mushroom villages in the district and value addition of mushroom and EFY.
			He advised to look out the income generation activities of farm science clubs in the district with the help of NABARD. He emphasized the renovation of WHS of the KVK, Dhenkanal and to develop IFS model.
			He suggested publishing a booklet covering technologies of all disciplines instead of publishing individual leaflets.
			He suggested to compare the economics of groundnut ridger with the cost of weedicide. DEE advised for extensive control of pyrilla in sugarcane of the district. He also suggested to promote bud chip method of multiplication and pit method of planting sugarcane. Technical problem of sugarcane industry should be looked out with regular visit.
			He advised to survey the economic status of fish farmers.
			He suggested to introduce mechanised system of sowing and harvesting of groundnut. Also proposal should be given to Asst. Engineer for designing of groundnut decorticator for Smruti variety.
			He emphasized on documentation of success stories.
			He also advised to promote dairy and backyard poultry with NABARD finance.
			DAO, Dhenkanal suggested to popularise wilt resistant tomato variety (sun) and YMV resistant variety of papaya.
			CDVO, Dhenkanal suggested to provide fund to KVK for fodder development in the district and KVK should undertake the training programmes with Animal Husbandry department. KVK scientists should also popularise of the availability of Banaraja chicks from Animal Husbandry department of the district.
			Principal, RITE suggested for effective control of the wilting in brinjal in the district.
			ADR, RRTTS, Mahisapat suggested to popularise the new technologies through TV and Radio talk.
			DAO, Kamakhyanagar suggested to popularise the use of Zargon for controlling weed in groundnut in Kamakhyanagar and Kankadahada block.
			AGM, NABARD suggested to give importance on SRI method of rice cultivation, vermicomposting, value addition of mushroom particularly pickles and soup. He also suggested to adopt Bengal poultry, dairy scheme.

			DEE advised to encourage in increasing hybrid paddy area and non paddy crop in uplands along with to increase fertility status of soil through GM practice.
			He advised to survey Harekrusnapur village to short out the problem related to agriculture and action taken should be sent to him through e-mail as per suggestion of the progressive farmer of the village.

17. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectures organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call made to Hub by KVK			
Dhenkanal	1-April-2011	4	-	-	-	1. Attended	
	5th-April -2011	3	-	-		Attended	
	8th-April -2011	5	-	-		Attended	
	15th April 2011	2	-	-		Attended	
	19th April 2011	6	-	-		Attended	
	26-April-2011	4	-	-		Attended	
	29-April-2011	6	-	-		Attended	
	3rd-May-2011	5	-	-		Attended	
	10th-May-2011	3	-	-		Attended	
	13th-May-2011	2	-	-		Attended	
	30th Aug 2011	6	-	-		Attended	
	30th Aug 2011	4	-	-		Attended	
	9th Sep 2011	5	-	-		Attended	

18. Kisan Mobile Advisory Services

Name of KVKs	Month and year of Starting	No. of SMSs sent	No. of farmers benefited	Remark (Continued/Discontinued)
Dhenkanal	6.7.2010	75	400	Continued

19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Dhenkanal	Crop Cafeteria	Started
Dhenkanal	Technology Desk	Not established
Dhenkanal	Visitors Gallery	Not established
Dhenkanal	Technology Exhibition	Not established
Dhenkanal	Technology Gate-Valve	Not established

20. Status of KVK Website: Available

21. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Dhenkanal	Dr DP Ray, Hon'ble Vice-Chancellor	7.5.20011 & 28.2.2012	Visit of campus activity
Dhenkanal	Dr SS Nanda,DEE	29.2.12	Visit of campus activity
Dhenkanal	Dr G Sing,Agril Commissioner, Govt of India	18.7.2011	Review &visit of campus activity
Dhenkanal	Dr D Naik, Dean CA	22.11.11	Visit and review RAWE programme
Dhenkanal	Sri Umesh Das	31.3.12	Review of RKVY programme