FORMAT
FOR
ANNUAL PROGRESS REPORT OF
THE KVKs
IN
ZONE VII

ANNUAL PROGRESS REPORT

KRISHI VIGYAN KENDRA KENDRAPARA

2011-12

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FORMAT FOR ANNUAL PROGRESS REPORT OF THE KVKs IN ZONE VII

Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Gray colour cells in summary table need not to be filled.**

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	Total value of resource generated/Fund received from diff. sources (Rs.)
Kendrapara	OFTs	16	77	16	77	
	FLDs – Oilseeds (activity in ha)	1	30	1	30	
	FLDs – Pulses (activity in ha)	2	30	2	30	
	FLDs – Cotton (activity in ha)					
	FLDs – Other than Oilseed and pulse crops(activity in ha)	19	141	19	141	
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	55	3	55	
	Training-Farmers and farm women	91	2550	91	2550	
	Training-Rural youths	15	355	15	355	
	Training- Extension functionaries	13	240	13	240	
	Extension Activities					
	Seed Production (Number of activity as seeds in quintal)	150	250	150	250	
	Planting material ((Number of activity as quantity of planting material in quintal)	15300	530	15300	530	
	Seedling Production (Number of activity as number of seedlings in numbers)					
	Sapling Production (Number of activity as number of sapling in numbers)					
	Other Bio- products(Vermicompost)	4qtl		4qtl		
	Live stock products	1160 No.	210	1160 No	210	
	SAC Meeting (Date & no. of core/official members	5.08.2011	30	5.08.2011	30	
	Newsletters (no.)	2	400	2	400	
	Publication (Research papers, popular article)					
	Convergence programmes / Sponsored	2	100	2	100	

KVK Name	Activity	Target		Achievement		
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	Total value of resource generated/Fund received from diff. sources (Rs.)
	programmes					
	KVK-ATMA Linkage programme (Number of activities)					
	Outreach of KVK in the District (No. of blocks, no. of villages)	**8,70**	**1770**	**8,70**	**1770**	
	Soil sample tested	**525**	**450**	**525**	**450**	
	Water sample tested	**-**	**-**	**-**	**-**	
	KMA (No. of messages & beneficiaries)	**32**	**534**	**32**	**534**	

1. GENERAL INFORMATION

1.1. Staff Position (as on 31 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)
Kendrapara	Programme Coordinator	Mrs. Anjali Ray	Home science	M.Sc.	Home science	Rs. 37400-Rs. 67,000/-	46440/-	10.01.11 (FN)	Permanent	Others
	Subject Matter Specialist1	Sri Lalita kumar Mohanty	SMS (Agronomy)	M.Sc. Ag	Agronomy	15600/- to 39100/-	19810/-	1.08.2011 (FN)	Permanent	Others
	Subject Matter Specialist2	Vacant	-	-	-	-	-	-	-	-
	Subject Matter Specialist3	Sri Manoj Ku. Rout	SMS (Plant protection)	M.Sc. Ag	Plant pathology	15600/- to 39100/-	19050/-	22.10.08 (FN)	Permanent	Others
	Subject Matter Specialist4	Sri Sasanka Lenka	SMS (Agril. Extension)	M.Sc. Ag M.B.A, PGDRD	Agril. Extension	15600/- to 39100/-	16250/-	19.4.10 (FN)	Permanent	Others
	Subject Matter Specialist5	Sri Nabakishor Sial	SMS (Fishery science)	M.F.Sc.	Fishery science	15600/- to 39100/-	16250/- +6000/-	18.02.11 (FN)	Permanent	S.C
	Subject Matter Specialist6	Mrs. Namita Mohapatra	SMS (Home Science)	M.Sc.	Home science	15600/- to 39100/-	16250/- +6000/-	12.01.2012 (FN)	Permanent	Others

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)
	Programme Assistant	Smt. Annapurna Saran .	Programme Asst (Home science)	B.Sc	Home science	9300/- to 34800/-	18850/-	3.07.96 (FN)	Permanent	Others
	Farm Manager	Sri Debasis Nayak	Farm Manager	M.Sc. Ag	Agronomy	9300/- to 34800/-	9300/-	28.09.2011 (FN)	Parmanent	Others
	Computer Programmer	Mrs. Sangita Panda	Prog. Asst. (Computer)	B.Sc	Comp. science	9300/- to 34800/-	11,010/-	11.06.07 (FN)	Permanent	Others
	Accountant / superintendent	Sri Gagan Bihari Nanda	Section Officer	B.A				1.03.2012 (FN)	-	-
	Stenographer	Kishore Chandra Das	Jr. Steno cum Comp. Operator	B.Sc	Stenography, DCA	5200/-to 2400/-	6430/-	20.03.08 (FN)	Temporary	Others
	Driver	Nirakar Pradhan	Driver-cum-mechanic	9th	-	5200/-to 20200/-	6110/-	7.01.10 (FN)	Temporary	Others
	Driver	Rajesh Ku. Behera	Driver cum Mechanic	9th	-	3050-75-3950-80-4590/-	5640/-	23.07.08 (FN)	Temporary	SC
	Supporting staff	Babuli Charan Das	peon cum watchman	5th	-	Rs.4440-Rs.7440+GP 1300/-	4800	29.7.08 (FN)	Temporary	SC
	Supporting staff	Krushna chandra Bhujabal	peon cum watchman	10th	-	Rs.4440-Rs.7440+GP 1300/-	4800	29.07.08 (FN)	Temporary	OBC

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

The total population of Kendrapara district is 13.02 lakh as per the 2001 census of which S.C population is 2, 67.186(20.5%) & S.T population is 6,822 (0.5%). The population density is 567 per Sq. km. with a sex ratio of 1014 females per 1000 male. The geographical area and the demographic pattern of the district and block is given in the following table.

1. Geographical area	2297.62 sq km.
2. Total population	2001 Census-1302005, Male-646438, Female-655567
3. Density per Sq.km.	567

4. Sex ratio	(female per 1000 male)-1014
5. S.T. Population	6822(0.5%)
6.S.C.Population	267186(20.5%)

BLOCK-WISE AREA AND DEMOGRAPHIC PATTERN OF KENDRAPARA DISTRICT

Sl No	Block	Area in Sq. Km	Total population	SC population	ST Population	Literacy rate (%)
1	KENDRAPARA	255.17	178919	37675	706	77.67
2	DERABISH	183.18	129532	31209	503	78.98
3	PATTAMUNDAI	257.26	179924	49140	387	76.57
4	AUL	224.41	136297	30273	133	78.01
5	RAJKANIKA	263.68	126887	27074	10	77.12
6	RAJNAGAR	344.29	145301	16735	1947	71.88
7	MARSHAGHAI	157.58	115103	20959	111	79.08
8	MOHAKALAPARA	469.64	191745	33441	2966	71.90
9	GARADPUR	142.41	98297	20681	59	86.20
	Total	2297.62	1302005	267186	6822	76.81

LAND UTILIZATION PATTERN:

Out of the total geographical area of the district 11% is lying as cultivable waste and fallow. The block wise land utilization pattern is given below.

BLOCK-WISE LAND UTILIZATION PATTERN OF KENDRAPARA DISTRICT

SL NO	Block	Forest Area	Misc. tree Crops &grooves not included in net are a sown	Permanent pasture & other grazing land	Culturable waste	Land put to non-agricultural uses	Barren &uncultivable lands	Current fallows	Other fallows	Net Area sown
1	KENDRAPARA	01	372	1351	477	3369	352	998	642	17577

2	DERABISH	05	402	648	243	3576	314	1359	410	14107
3	PATTAMUNDAI	19	123	1354	318	4217	01	1524	1296	13552
4	AUL	44	114	602	25	2811	359	3783	939	6445
5	RAJKANIKA	-	274	1438	39	6268	-	1473	1413	16676
6	RAJNAGAR	663	26	2135	32	5334	734	1227	1215	24668
7	MARSHAGHAI	36	122	905	99	2736	3	1286	256	10130
8	MOHAKALAPARA	3380	934	2543	437	8981	1	1534	2121	26536
9	GARADPUR	14	95	709	170	3125	41	1010	269	8115
	Total	4162	2462	11685	1840	40417	1805	14194	8571	137806

OPERATIONAL HOLDING:

There are 127020 operational house holds in the district. Out of this 116 are large farmers and 75914 are marginal farmers. The details of the operational holdings are as follows:

OPERATIONAL LAND HOLDINGS OF KENDRAPARA DISTRICT

Sl.No	Class	Total No	Total Area in ha	S.C no	S.C Area in Ha.	S.T no.	S.T Area in Ha.
1	Marginal (< 1 Ha)	75914	37674	20235	11142	590	325
2	Small (1-2 Ha)	33521	46043	2725	3678	354	514
3	Semi-medium (2-4 ha)	14689	39709	751	1877	89	213
4	Medium (4-10 Ha)	2780	15082	74	379	12	58
5	Large (>10 Ha)	116	1935	-	-	-	-
	Total	127020	140443	23785	17076	1045	1110

Sources- Orissa Agricultural Statistics, 2008-09, Director of Agri. & Food production, Orissa, BBSR

SOIL TYPE

Sl. No	Soil type	Characteristics	Area in ha

1	Alluvial	Coarse sand to clay texture, low in WHC, base saturation & fertility, acidic in reaction	152000 ha
2	Saline	Clay to clay loam in texture, low in N & K but medium in P, reduced uptake of K, Ca & Mg by plants due to presence of excess Na, suffers from H_2S injury	32350 ha
3	Black	Heavier in texture with more than 30% clay, soil reaction is neutral to slightly alkaline with presence of free $CaCO_3$ nodules in profile	15850 ha

AGRO ECOLOGICAL SITUATION

Kendrapara district is located under East & South Eastern Coastal Plain Zone. Basing on physiographic and irrigation pattern Kendrapara district has been divided into four Agro Ecological situations (AES)

Blocks covered under different agro-ecological situations in Dist-Kendrapara

Sl.No	Agro climatic Zone (ACZ)	Agro ecological situation (AES)	Blocks covered	Area in '000 ha	% of geographical area of the zone	Soil Type
1	East & South Eastern Coastal Plain Zone	Coastal Irrigated alluvium (AES-1)	Kendrapara, Garadpur,Derabish,Pattamundai, Aul,Marshaghai,Mahakalpara, Rajkanika, Rajnagar	67.09	33.5	Alluvial (Sandy loam)
2		Rainfed alluvium (AES-2)	Garadpur,Derabish,Pattamundai, Aul, Rajnagar	84.91	42.4	Alluvial (Sandy loam)
3		Coastal alluvial saline (AES-3)	Kendrapara, Pattamundai, Aul,Marshaghai, Mahakalpara, Rajkanika, Rajnagar	32.35	16.1	Saline
4		Coastal waterlogged (AES-4)	Derabish, Marshaghai, Mahakalpara, Rajnagar	15.85	08	Black Soil clay loam

IRRIGATION

The main occupation of the people of the district is cultivation. But no such progress has yet been made in respect of assured irrigation facilities for which agriculture in Kendrapara district still depends on rain.

The district has a total irrigated area of 66307 ha which is about 42 % of the total area, contributed by major irrigation (30%), lift irrigation (6%), Dug wells (2%), & other sources (4%). Block wise irrigation potential of the district from different sources is indicated below.

BLOCKWISE IRRIGATION POTENTIAL OF KENDRAPARA DISTRICT (Figure in ha.)

Sl No	Block	Major Source	Lift irrigation	Wells (Dug+Bore)	Others	Total
1	Kendrapara	16240	780	204	650	17874
2	Derabis	10770	290	518	598	12176
3	Pattamundai	10948	984	891	896	13719
4	Aul	-	3682	89	992	4763
5	Rajkanika	-	1676	98	1281	3055
6	Rajnagar	-	791	50	1092	1933
7	Marshaghai	4410	594	99	496	5599
8	Mahakalpara	2810	782	10	744	4346
9	Garadpur	972	792	529	549	2842
	Total	46150	10371	2488	7298	66307

AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR CROPS CULTIVATED IN THE DISTRICT

S. No	Crop	Area (ha)	Production (‘000t)	Productivity (Qtl /ha)
1	Paddy	121975	238261	19.53
2	Maize	271	680	15.11
3	Green gram	4138	13970	4.10
4	Black gram	4266	17860	4.85
5	Ground nut	1160	23790	22.70
6	Sun flower	81538	134	6.5
7	Mustard	2143	911	4.80
8	Arhar	50	51	10.20
9	Jute	3312	13410	18.40

S. No	Crop	Area (ha)	Production (‘000t)	Productivity (Qtl /ha)
10	Brinjal	6110	88595	145
11	Tomato	4358	57874	132
12	Chilli	3670	3128	8.5
13	Cabbage	1706	47111	276
14	Cauliflower	1647	23431	142
15	Okra	1935	16850	87
16	Potato	1202	16407	136
17	Onion	746	6789	91
18	Garlic	637	1910	30
19	Sweet potato	230	1871	81
20	Pea	89	783	88
21	Other vegetables	2212	21796	98
22	Zinger	818	2597	31.75
23	Turmeric	448	1371	30.60
24	Total spices	2924	5911.3	20.22
25	Existing Sugarcane	373	107	106

PRODUCTION AND PRODUCTIVITY OF LIVESTOCK, POULTRY, FISHERIES ETC. IN THE DISTRICT

Category	Population	Production	Productivity
Cattle			
Crossbred	29400	31000 MT/yr(milk)	
Indigenous	188728		
Buffalo	31735		
Sheep			
Crossbred	43367	324 MT/yr(meat)	

Category	Population	Production	Productivity
Indigenous			
Goats	104474		
Pigs			
Crossbred	9231		
Indigenous			
Rabbits			
Poultry			
Hens	301564	27 millions eggs/yr	
Desi			
Improved			
Ducks	94200		
Turkey and others			
Fish			
Marine		7363.5 MT	
Inland		5418.5 MT	2.97 MT/ha
Prawn		13.25 MT	
Scampi		23 MT	
Shrimp		1834.63 MT	1.12 MT/ha

RESOURCES & OPPORTUNITIES

S. N	PARTICULARS	KENDRAPARA DISTRICT			
	Resources	**Costal irrigated alluvial**	**Rainfed alluvial**	**Costal alluvial saline**	**Costal water logged**
1	Adequate rainfall	Y	Y	Y	Y
2	Soil is alluvial & sandy loam for pulses & oilseeds	Y	Y	Y	Y
3	Conducive climate for paddy, jute and sunflower	Y	Y	-	Y
4	Conducive climate for coconut, banana, guava etc.	Y	Y	Y	Y
5	Medium land suitable for vegetable & spices	Y	Y	Y	Y

S. N	PARTICULARS	KENDRAPARA DISTRICT			
	Resources	**Costal irrigated alluvial**	**Rainfed alluvial**	**Costal alluvial saline**	**Costal water logged**
6	Adequate pasture land for dairy	-	Y	Y	-
7	Vast low lying areas and high water table for pisciculture	Y	Y	Y	Y
8	Large scale cultivation of brinjal, tomato & other vegs.	Y	Y	Y	Y
9	Increase in banana & coconut cultivation	Y	Y	Y	Y
10	Farming system dominated by HYV rain fed paddy	Y	Y	Y	Y
11	Dominance of cattle & goatery & poultry in AH farming system	Y	Y	Y	Y
12	Increase in fish & prawn farming	Y	Y	Y	-
	Opportunity				
1	Availability of more water area for agriculture and fishery	Y	Y	Y	Y
2	Integrated watershed development	Y	Y	Y	Y
3	Scope for pasture development	Y	Y	Y	-
4	Scope for medicinal plantation	Y	Y	-	Y
5	Production of scented rice	Y	Y	-	-
6	Production of vegetable seeds	Y	Y	Y	Y
7	Establishment of agriclinic	Y	Y	Y	Y
8	Establishment of hatchery fish feed mill, aqua shops	Y	Y	Y	Y
9	Potential for mushroom cultivation	Y	Y	Y	Y
10	Expansion of area under floriculture	Y	Y	-	Y
11	Expansion of area under hybrid vegetables	Y	Y	Y	-
12	Expansion of area under hybrid paddy.	Y	Y	-	Y
13	Expansion of area under tuber crops, chilli, ginger & turmeric paddy.	Y	Y	Y	Y
14	Expansion of area under betel vine.	Y	Y	-	Y
15	Expansion of area under hybrid sunflower.	Y	Y	Y	Y
16	Expansion of area under jute cultivation.	Y	Y	-	-
17	Artificial insemination of cattle, goat & sheep	Y	Y	Y	Y
18	Expansion of area under banana, coconut, areca nut, lime, pineapple etc	Y	Y	Y	Y

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kendrapara	Narendrapur	2010	Marshaghai	30 km	450	55
Kendrapara	Barimula	2011	Derabis	15 km	420	80
Kendrapara	Sanamangarajpur	2010	Kendrapara	16 km	288	48
Kendrapara	Kantia	2010	Kendrapara	15 km	162	37
Kendrapara	Janra Barimul	2011	Pattamundai	28 km	175	45
Kendrapara	Alailo	2010	Mahakalpada	45 km	350	48

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

KVK Name	THRUST AREA
Kendrapara	Maximization of crop production
Kendrapara	Development of suitable farming system models for different farming situation
Kendrapara	Value addition of fruits and vegetables
Kendrapara	Mushroom production and post harvest management
Kendrapara	Production of remunerative enterprises (Floriculture, apiary, fishery, polutry rearing etc.)
Kendrapara	Judicious pest and disease management practices
Kendrapara	Soil problem and water quality management
Kendrapara	Food security and sustainable livelihood
Kendrapara	Integrated Weed management
Kendrapara	Integrated nutrient management
Kendrapara	Maximization of crop production
Kendrapara	Development of suitable farming system models for different farming situation

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

Kendrapara	More infestation of weeds	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor nutrient management practices in the field crops	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Use of traditional varieties	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Acute pest and disease infestation in different crops	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor soil and water quality	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Non remunerative enterprise in practice	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Lack in proper utilization of available natural resources	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Non availability feed and fodder for ruminants	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Lack of value addition practices	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor production of pisciculture	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Poor food and livelihood security	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Soil acidity leading to lower crop yield.	PRA tools, Diagnostic field visit, group discussion, exploratory survey

Kendrapara	Application of imbalanced dose of major nutrients in almost all crops.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Water logging	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Lack of scientific knowledge on agro based entrepreneurships.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Unemployment of rural youth and school	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Lack of availability of agricultural labour, and farm machineries for timely farm operations.	PRA tools, Diagnostic field visit, group discussion, exploratory survey
Kendrapara	Malnutrition in farm women & children	PRA tools, Diagnostic field visit, group discussion, exploratory survey

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) q/ha		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
Kendrapara	Kharif, 2011-12	Low yield due to growing Swarna in traditional practice	Assessment	Varietal substitution	Crop	Irrigated medium land	Assessment of JKRH 401 in SRI	4	43.5	71.8	16000	45000	Highly appreciated and continue in the coming years
Kendrapara	Rabi, 2011-12	Low yield and high labour cost in manual weeding in groundnut	Assessment	Weed management	Crop	Rainfed medium land	Assessment of chemical herbicide "Zargon" in rabi groundnut	5	19.9	25.2	29700	46600	Zargon should be available in local market
Kendrapara	Kharif, 2011-12	Low yield and high labour cost in manual weeding in rice	Assessment	Weed management	Crop	Rainfed medium land	Assessment of chemical herbicide "Oxadiargyl" in rice	5	Continue	-	-	-	-
Kendrapara	Rabi, 2011	Low yield and low oil content of groundnut due to non use of bacterial culture, Sulphur and Boron	Assessment	INM	Crop	Irrigated medium land	Assessment of Rhizobium culture, Sulphur and Boron in groundnut	5	19.5	25.8	28500	45400	Appriciated by the farming community
Kendrapara	Rabi,	Low yield & oil content	Assessment	INM	Crop	Irrigated medium land	Assessment of sulphur in	4	5.9	7.1	7700	10800	Appriciated by the farming community

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) q/ha		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
	2011	of mustard due to no use of sulphur					mustard						
Kendrapara	Kharif, 2011	Rotting of sheath, poor root system development, appearance of BPH on the basal part of the plant	Assessment	IDM	Crop	Rainfed medium land	Assessment of Validamycin 3%L + imidaclopri d 17.8SL for managemen t of sheath blight of paddy	5	39	47	23,950/-	31,350/-	Combination of insecticide and fungicide have proved their effectiveness against mixed population of BPH and sheath blight.
Kendrapara	Rabi, 2011	Severe destruction of foliage, no pod formation & reduction in yield	Assessment	IPM	Crop	Irrigated medium lamd	Assessment of chemical pesticide s for management of pod borer in greengram	5	5.6	7.5	10,840/-	16,000/-	Combined effect of seed treatment and foliar spraying at appropriate time.
Kendrapara	Rabi, 2011-12	Yellowing of leaves and fruit	Assessme nt	IPM	Crop	Irrigated medium lamd	Assessment of Imidacloprid 17.8SL for management of YMV in greengram	5	5.2	6.5	10,680/-	14600/-	Seed treatment and foliar application of imidacloprid 17.8 SL performed well.
Kendrapara	Summer , 2011-12	Low yield, yellowing , drying & rotting of fruits	Assessme nt	IPM	Crop	Irrigated medium land	Assessment of for fruit fly in pointed gourd	5	Continue	-	-	-	-
Kendrapara	Rabi, 2011-12	Reduction of yield due to heavy weed infestation, less	Assessme nt	Crop manage ment	Crop	Irrigated	Assessment of trellia system in pointed gourd	5	112	140	124000/-	160000/-	-Farmers preferred var. cv. Swarna Alaukik for

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) q/ha		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
		fruiting and high labour intensive		practice									better fruiting in female plants, size of fruit and its colour
Kendrapara	Summer, 2011-12	Reduction in yield due to less female flowers	Assessment	ICM	Crop	Irrigated	Assessment of Ethrel in bitter gourd	4	60.5	73.5	37600/-	41200/-	**Farmers quite happy and continue to apply ethrel in coming days.-**
Kendrapara	Kharif, 2011	**Less income from only pisciculture and non utilization of duckery component**	Assessment	Integrated farming system	Crop	Indian Major carp culture	**Assessment of fish -cum-duck culture**	4	Continue				
Kendrapara	Kharif, 2011	Quality seed production in rural area	Assessment	Quality seed production	Crop	Irrigated	Assessment of seed production of common carp in breeding happa	3		10 no. of breeding set taken out of which 10 lakh egg collected		1,20,000/-	The quality seed produced in happa breeding recommended for better grow of fish in farmers
Kendrapara	Kharif, 2011	Less income only from fish culture	Assessment	Production technology	Crop	Irrigated	Assessment of prawn culture with fish farming	3	Continue				
Kendrapara	Rabi, 2011	Higher percentage of mortality due to EUS	Assessment	Production technology	Crop	Irrigated	Assessment of Epizootic Ulcerative disease syndrom (EUS) in carps	4	Continue				
Kendrapara	Rabi, 2011-12	Manual threshing, fatique	Assessment	Drudgery reduction	Enterprise	Irrigated	Assessment of drudgery reduction by using power operated paddy	2	15kg/hr	150kg/hr	100/-per qtl 33-Labour	28/- per qtl 3-labour	Labour cost was reduced due to use of

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) q/ha		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
							thresher						power operated paddy thresher,

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Kendrapara	Assessment of JKRH 401 in SRI	EBT/m2 , Test Weight-	345 22.5	221 22.5	30000	30000		46000	75000		16000	45000		1.53	2.5	
Kendrapara	Assessment of chemical herbicide "Zargon" in rabi groundnut	WCE- %, No.of pods/plant-	88.7 % 25	19	30000	29000		59700	75600		29700/-	46600		1.99	2.6	
Kendrapara	Assessment of chemical herbicide "Oxadiargyl" in rice	Continue														
Kendrapara	Assessment of Rhizobium	No. of	19	19	30000	32000		58500	77400		2850	45400		1.95	2.41	

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
	culture, Sulphur and Boron in groundnut	pods/plant-,Test weight-	383	343							0					
Kendrapara	Assessment of sulphur in mustard	Plant height-,No. of pod/plant- ,Test Weight-7	82cm 157 7.9gm	75cm 140 7.2gm	10000	10500		17700	21300		7700/-	10800/-		1.77	2.02	
Kendrapara	Assessment of Validamycin 3%L + imidacloprid 17.8SL for management of sheath blight of paddy	Sheath blight infestation BPH adult for hill	15.25 2.1	32.38 7.16	17000	19000		40950	49350		22950/-	30350/-		2.27	2.59	
Kendrapara	Assessment of chemical pesticide s for management of pod borer in greengram	Pod borer infested plant-	8.0	25.9	8200	9500		19040	25500		10840/-	16000/-		1.32	1.68	
Kendrapara	Assessment of Imidacloprid 17.8SL for management of YMV in greengram	% of infested plant-	12.20	25.30	7000	7500		17680	22100		10680/-	14600/-		1.52	1.94	
Kendrapara	Assessment of for fruit fly in pointed gourd	% of infested fruit per plant	10.39	20.49	Continue											
	Assessment of trellia system in pointed gourd	Single fruit weight - gm Fruits per 10 nodes-	28gm 14	16.2 gm 5							124000/-	160000/-		2.24	2.33	
Kendrapara	Assessment of Ethrel in bitter gourd	Fruit length- Weight-	9.69 cm 122	7.14cm 60gm							37600/-	41200/-		2.07	2.38	

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
			gm													
Kendrapara	Assessment of fish -cum-duck culture	i.Size of fish- ii. Weight of fish-	11.2cm 400gm	7.3cm 210gm	Continue											
Kendrapara	Assessment of seed production of common carp in breeding happa	Fertilized egg- Recovery of spawn- Survability of fry-	90% 80% 40%									1,20,000/-			1.66	
Kendrapara	Assessment of prawn culture with fish farming	Size of fish- ii. Weight of fish-	12cm 500gm	7cm 260gm	Continue											
Kendrapara	Assessment of Epizootic Ulcerative disease syndrom (EUS) in carps	.% of Fish infected with EUS-	2	20	Continue											
Kendrapara	Assessment of drudgery reduction by using power operated paddy thresher	Heart rate beats/min	100-105	140-146							100/- per qtl 33-Labour	28/- per qtl 3-labour		1:1.82	1:2.1	

2.3 Feedback from KVK to Research System

Name of KVK	Feedback

Kendrapara	More research needed for its specific time application
Kendrapara	Disease after application
Kendrapara	Resistance and resonance of pest should be studied further after the application of pesticide
Kendrapara	Technology spread over 13 villages and 71 farmers shown their
Kendrapara	More study should be undertaken to know the effect on natural enemies after application of combination of pesticide and fungicide
Kendrapara	Further study is required to know the effect of other pesticide for control of pod borer in greengram
Kendrapara	Power operated reduces drudgery of farm women also save time

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Kendrapara	Paddy	Varietal substitution	Introduction of HYV paddy (CV. Pratikshya) for mid low land situation	Training, demonstration, group meeting, field visit etc.	7	130	91
Kendrapara	Paddy	Integrated nutrient management	Integrated nutrient management in medium land paddy	Training and demonstration	6	112	84

Kendrapara	Paddy	Resources conservation technology	SRI in rabi rice	Training and demonstration	3	32	42
Kendrapara	Rice	Integrated nutrient management	Borax @0.25% & Zn EDTA @0.15% was spread twice during PI stage for reducing % of sterile grain	Field day, training and TV coverage etc.	4	105	56
Kendrapara	Potato	Integrated nutrient management	Application of STBFR 187.5-100-100Kg N-P_2O_5-K_2O/ha along FYM incubated liquid biofertilizer like Aztobactor, Azospirillum & PSB @100ml/AC	Training, group meeting, demonstration	6	135	42
Kendrapara	Cauliflower	Integrated nutrient management	Application of STBFR i.e 125-75-50kg/ha N-P_2O_5-K_2O along with twice spraying of Borax, Zinc sulphate & Sodium Molybdate @0.25%, 0.5% & 0.02% respectively after 25 days of planting in 10 days interval	Training, group meeting, demonstration	12	182	65
Kendrapara	Tomato	Integrated nutrient management	Application of lime 0.25LR for cartrop of blossom end rof disease	Training, meeting, demonstration	15	202	58
Kendrapara	Paddy	Integrated pest management	Suppression of yellow stem borer through pheromone trap , parasitoids and need based use of Cartap hydrochloride	Training, demonstration, group discussion, field visit	10	150	200
Kendrapara	Potato	Integrated disease management	Management of late blight of potato through seed treatment with Streptocycline, Carboxin 37.5% + Thiram 37.5%, spraying the crop with Metalxyl 8%+ Mancozeb 64%	Training, FLD	20	240	150
Kendrapara	Paddy	Integrated disease management	Management of blast disease in paddy through Seed treatment and foliar spraying of with chemical fungicide (Tricyclazole 1gm/lit of water)	Training, FLD	45	400	120
Kendrapara	Brinjal	Integrated pest management	Management of fruit and shoot borer in Brinjal through Pheromone trap, bio-agent like *Trichogamma chillonis* and need based application of chemical pesticide.	Training, FLD	55	350	160
Kendrapara	Chilli	Integrated pest management	Management of thrips in chilli through chemical pesticide like Immidacloprid 17.8 SL	Training, FLD	30	250	60
Kendrapara	Marigold	Integrated Crop Management	Cultivation of marigold variety Ceracole with full package of practices with staggered method of planting. Compost @ 3kg/m^2 is mixed in the soil.with 20gm.urea, 100gm. super phosphate and 50 gm muriate of potash/m^2	Training and demonstration	10	38	10
Kendrapara	Coconut	Integrated nutrient	Apply fertilizers (1.5 kg Ammonium Sulphate, 1kg urea, 2 kg ssp, 2 kg mop and 3	Training and demonstration	15	65	25

		management	kg magnesium sulphate per palm per year) in two splits. 1/3rd. dose is to be applied during April-May and 2/3rd during September-October for rain fed palms and four equal splits for irrigated palms. Apply neem cake @ 3 kg. per palm per year				
Kendrapara	Nutritional garden	Resource conservation technology	Nutritional garden	Training and demonstration	15	425	22
Kendrapara	Poultry	Evaluation of breeds	Demonstration on semi intensive poultry rearing for dual purpose.	Training and demonstration	4	120	-
Kendrapara	Mushroom cultivation	Mushroom cultivation	Oyster mushroom cultivation	Training and demonstration	10	200	-
Kendrapara	cono weeder	Drudgery reduction	Use of rake weeder for reduction of drudgery of farm women	Demonstration	3	30	-
Kendrapara	Mango, Teak & Stylo	Agro forestry model	Horti-silvi-Pstural system for income generation and sustainable lively hood	Training, field visit & demonstration	1	1	.4

3.2 Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	Weed management	Crop	Kharif, 2011-12	Use of pre emergence hebicide pretilachlor @ 1.5 Litres/ha at 3 DAT	2	cv.--Lalat	44.5	36.1	23.26	-	1	-	4	5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	INM	Crop	Rabi, 2011-12	Twice spraying of Borax @2.5gm/lit after 25 days of planting in 10 days interval	1	Namdhari-60	237.5	205.5	15.5	1	-	-	4	5
Kendrapara	INM	Crop	Rabi, 2011-12	Application of liquid bio-fertilizer like Azotobactor, Azospirillum & PSB 100ml each incubated with vermicompost (25kg)	1	cv.- Konark	232.5	196.5	18.3	2		-	3	5
Kendrapara	INM	Crop	Kharif, 2011-12	Application of Gypsum @200kg and Borax@10kg/ha along with STBFR	1	cv.- Lalat	Contimue			-	1	-	4	5
Kendrapara	IPM	Crop	Kharif, 2011	Installation of Pheromonetrap@ 20nos/ha along with scripolure, release of *Trichogramma japonicum* Parastitoid@ 50,000/ha one month after transplanting 5 times at weekly interval, need based spraying of crop with Cartap hydrochloride@ 1gm/lit of water	2	Pooja	45	37	20.62	1	-	-	4	5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	IPM	Crop	Rabi, 2011-12	Installation of pheromone traps (25 nos/ha) along with leucin lures, release of *Trichogamma chilonis* 50,000/ha as non chemical curative control measures. Need based application of cartap hydrochloride 1.5g/lit of water+ Diflubenzuron 0.5gm/lit of water	1	Hazari	304	265	14.71	2	-	-	3	5
Kendrapara	IDM	Crop	Rabi, 2011-12	Seed treatment with Carboxin 37.5%+ thiram37.5%@ 0.2% &Streptocycline @ 0.01% for 15 mins followed by shade drying and spraying with Metalxyl8%+ Mancozeb64%@ 0.2 % twice at 10 days interval at 45 DAS	1	Kufri chandramukhi	210	176	19.31	-	-	-	5	5
Kendrapara	IDM	Crop	Kharif, 2011	Foliar spraying the crop at tillering, boot leaf and grain formation stage with Isoprothilane 40% EC @1.5/lit of water along with sticker	1	Swarna	47.10	37.72	24.86	1	-	-	4	5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	Varietal evaluation	Crop	Rabi, 2011-12	Introduction of improved varieties of tomato cv. Utkal Raja, a wilt tolerant variety with average yield potential of 37.5 t/ha	0.6	*Utkal Raja*	260	205	26.82	2	-	-	2	4
Kendrapara	INM	Crop	Kharif, 2011-12	Application of 10-15 kg of FYM or compost per pit along with 375gm N, 100gm P and 300gm K per plant as per STBFR. Nis applied in 3 split doses at 2,4 & 6 months of planting	0.6	Dwarf cavendish	420	300	66.66	1	-	-	3	4
Kendrapara	Integrated farming system	Crop	Kharif, 2011	Indian Major Carps with horticultural crops (banana, lemmon graft, mango poultry and duckery)	1	Indian Major carp	Continue			-	-	-	2	2
Kendrapara	Production technology	Crop	Kharif, 2011-12	Fish fry i.e. Catla, rahu and mirgal in small pond	1	Catla, rahu and mirgal	75lakh	75lakh	25lakh 15lakh	2	-	-	2	4
Kendrapara	Production technology	Crop	Summer, 2011	Stocking in captive nursery (Stoking in 20 decimal area for one acre pond)	1	Indian Major Carp	Continie			-	-	-	4	4

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	Evaluation of breed	Crop	Rabi, 2011-12	Demonstraion of coloured bird like RIR and Black rock under semi intensive condition		Blackrock, RIR	2kg	1kg	50	6	-	-	19	25
Kendrapara	Mushroom cultivation	Enterprise	Rabi, 2011-12	Sterilization of straw, using of good quality spawn and hygienic method of bed preparation		*Pleurotus sajarcajus*	1.32	.95	37	3	2	-	15	20
Kendrapara	Drudgery reduction	Enterprise	Rabi, 2011-12	Reduced drudgery by using groundnut decorticator			35kg/hr	10kg/hr	250 100	3	-	-	7	10
Kendrapara	Resource conservation technology	vegetable	Kharif, Rabi, 2011-12	Introduction of improved seeds, use of vermicompost & application of neem based pesticides	0.5	Poi-Bombay white, cowpea-visola, snake gourd- Green long, Ridge-gourd-Debsundary Kusala-Red, Papaya-Corge honeydew, Palak-Delhi green, Tomato-Jyoti, Cauliflower-Dipa, Watermelon-Sugarbaby, Bitterguard-Greenlong, Khada-White	181	145	24.8	4	3	-	18	25
Kendrapara	Integrated farming system	Crop	Kharif, 2011-12	Horti-silvi-pastural system for income generation and sustainable livelihood	.4	Amrapali, Banganpalli & mallika) with stylo grass and Teak	132	-	-	-	-	-	1	1

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kendrapara	Fodder production	Hybrid napier grass	Kharif, 2011-12	Line showing of Napier grass on upland for big ruminants	1	Co-3 /Humidicola Palatability- 99%	3000	2000	50	-	-	-	2	2
Kendrapara														

3.3Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Kendrapara	Paddy	**Application of Pretilachlore @1.5lit/ha**	EBT/m	257	196	26000	26500	50000	39500	23000	13000	1.96	1.52
Kendrapara	Cauliflower	**Twice spraying of Borax @2.5gm/lit after 25 days of planting in 10 days interval**	Wt. of curd-Yellowness of curd-	741gm 6%	655gm 20%	62000	60000	142500	123300	80500/-	63300/-	2.3	2.05
Kendrapara	cabbage	**Application of liquid bio-fertilizer like Azotobactor, Azospirillum & PSB 100ml each incubated with vermicompost (25kg)**	Wt. of Head-Head diameter-	1250gm 17.6cm	1050gm 15.7cm	61000	60000	162750	137550	101750/-	77550/-	2.66	2.29

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Kendrapara	Rice	**Application of Gypsum @200kg and Borax@10kg/ha along with STBFR**	No of tillers/hill -	18	12	Conti nue							
Kendrapara	Paddy	Installation of Pheromonetrap@ 20nos/ha along with scripolure, release of Trichogramma japonicum Parastitoid@ 50,000/ha one month after transplanting 5 times at weekly interval, need based spraying of crop with Cartap hydrochloride@ 1gm/lit of water	% incidence Dead heart - White ear head-	6 5	14 18	18500	17000	47250	38850	28750	21850	2.55	2.28
Kendrapara	Paddy	Installation of pheromone traps (25 nos/ha) along with leucin lures, release of *Trichogamma chilonis* 50,000/ha as non chemical curative control measures. Need based application of cartap hydrochloride 1.5g/lit of water+ Diflubenzuron 0.5gm/lit of water	% shoot infestation- %fruit infestation-	8 12	24 45	45000	42500	121600	106000	76600	63500	2.70	2.49

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Kendrapara	Potato	Seed treatment with Carboxin 37.5%+ thiram37.5%@ 0.2% &Streptocycline @ 0.01% for 15 mins followed by shade drying and spraying with Metalxyl8%+ Mancozeb64%@ 0.2 % twice at 10 days interval at 45 DAS	Blighted leaves%- Rotted tuber%-	10 9	26 24	55000	53000	126000	105600	55000	53000	2.29	2.99
Kendrapara	Paddy	Foliar spraying the crop at tillering, boot leaf and grain formation stage with Isoprothilane 40% EC @1.5/lit of water along with sticker	Infected leaves%-	9.0	24.00	17000	16000	49455	39606	32455	23606	2.90	2.47
Kendrapara	Tomato	Introduction of improved varieties of tomato cv. Utkal Raja, a wilt tolerant variety with average yield potential of 37.5 t/ha	Weight of tamato	40.6gm	25.8gm					85000/-	60000/-	2.89	2.42
Kendrapara	Banana	Application of 10-15 kg of FYM or compost per pit along with 375gm N, 100gm P and 300gm K per plant as per STBFR. Nis applied in 3 split doses at 2,4 & 6 months of planting	Weight of the finger -	254gm	167gm					300000/-	195000/-	3.5	2.85

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Kendrapara	Fish	Indian Major Carps with horticultural crops (banana, lemmon graft, mango poultry and duckery)	Size & weight of the fish-	Continue									
Kendrapara	Fish	Fish fry i.e. Catla, rahu and mirgal in small pond	Survabilit y%-	33%	20%					2,25,000/-	1,25,000/-	1:3.2	1:2.5
Kendrapara	Fish	Stocking in captive nursery (Stoking in 20 decimal area for one acre pond)	No. of fingerlings- size of fish weight of fish	1000/ha/m water 12cm 400gm	5000/ha/m water 8cm 200gm	Continue							
Kendrapara	Poultry	Demonstraion of coloured bird like RIR and Black rock under semi intensive condition	Egg prod	210	120					3500	1000	2	1.4
Kendrapara	Mushroom	Sterilization of straw, using of good quality spawn and hygienic method of bed preparation	Time taken for 1st flush-	12-14 days	18-20days					5000/100 bed	1800/ 100 bed	3.2	1.8
Kendrapara	Groundnut decorticator	Reduced drudgery by using groundnut decorticator	Working heart **rate**	112 bits/min	105 bits/min							3:1	1:1
Kendrapara	Vegetable	Introduction of improved seeds, use of vermicompost & application of neem based pesticides	% adoption	24.8						3300/0.02	1800/0.02	1:3.2	1:2.5

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Kendrapara	(Amrapali, Banganpalli & mallika) with stylo grass and Teak	Horti-silvi-pastural system for income generation and sustainable livelihood	Ht. of stylo-14cm. Biomass/ m2-3.4kg	14cm	3.4kg					16400/-		2.64	
Kendrapara	Hybrid napier	Horti-silvi-pastural system for income generation and sustainable livelihood	Height-	5.2 fit	4.3 fit					145000/-	85000/-	2.16	1.89

3.4 Feedback of the Farmers

Name of KVK	Feedback
Kendrapara	The micro nutrient should be made available at farmers level by increasing its availability in local market
Kendrapara	The micro nutrient should be made available at farmers level by increasing its availability in local market
Kendrapara	It is difficult to keep the bioagent Trichogramma japonicum in suitable environment as it requires low temperature for its survival
Kendrapara	Pheromone trap works well , reduces the pest population but the lure is not available in the local market Trichogramma Chilonis is effective, but it is very difficult to bring from laboratory and to keep for long duration
Kendrapara	Farmers satisfy with performance of the technology
Kendrapara	Farmers were very much happy with the performance of Isoprothilane
Kendrapara	*Utkal Raja* gives higher yield than local variety

Kendrapara	If they will followed the above practice they will get more benefit than farmer practice
Kendrapara	Farm women were interested to keep colour bird because it is more profitable
Kendrapara	Mushroom cultivation is a profitable business for farm women specially landless farmer women
Kendrapara	Farmers preferred improved decorticator over manual method of decortication
Kendrapara	Its supplements family nutrition by insuring fresh vegetable around the year
Kendrapara	Farmer expected multiple benefits from Mango- Teak and Stylo in successive years. First time he is practicing the combination of three species in single piece of land
Kendrapara	Farmer meet the round the year fodder requirement of cow. It helps to increase milk production and assured income

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Kendrapara	Paddy Brinjal, chilli, potato, Cauliflower	Field days	7	350	
		Farmers Training	18	450	
		Media coverage	14	750	
		Training for extension functionaries	3	30	
Kendrapara	Bird, Mushroom	Field days	2	100	
		Farmers Training	5	125	
		Media coverage	2	840	
		Training for extension functionaries	2	20	
Kendrapara	Tomato, pointed gourd, marigold, cowpea	Field days	4	200	
		Farmers Training	3	75	
		Media coverage	2	1200	
		Training for extension functionaries	4	40	
Kendapara	Agroforestry	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	160	
		Training for extension functionaries	1	25	

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
Kendrapara	Farmers & farm women	Field visit, discussion and group meeting- Seeing the performance & interest of farmers in rice-fish farming technique in deep water logged	19.8.2011, KVK, Camous	25
Kendrapara	Farmers & farm women	Group contact & field visit, meeting – Using PRA tools and techniques it was found that farmers interested fodder cultivation technique and its benefits	8.9.2011, Janra Barimul	25
Kendrapara	Farmers & farm women	Group contact & field visit- Using PRA tools and techniques it was found that farmers Farming system research approach for better sustainability	25.10.2011	25

Kendrapara	Farmers & farm women	Group contact & field visit meeting – Using PRA tools and techniques it was found that farmers Head management in sunflower	23.11.2011, Putia	25
Kendrapara	Farmers & farm women	Group contact & field visit meeting – Using PRA tools and techniques it was found that farmers Use of bio-fertilizer in paddy	23.12.11, Kanpura	25
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers SRI method of rice cultivation to mitigate climate change	26.12.2011, Sanamangarajpur	25
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers Inter cropping for higher sustainability and yield	4.1.12, Kantia	25
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers Crop and variety selection for acid soil	12.1.12, Nilakanthapur	25
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers Fertilizer management in scented rice variety	7.2.12, Osangra	25
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers Seed treatment with Rhizobium culture in groundnut	20.3.12, Tamala Sasana	25
Kendrapara	IS	Group discussion and mass contact- Seeing the interest of farmers need for training on Location specific Varietal substitution in different HYV paddy	21.3.12, KVK, Campus	10
Kendrapara	Farmers & farm women	Group discussion and mass contact- Seeing the interest of farmers Green manuring with dhaincha in kharif rice	20.5.11, KVK, Kendrapara	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on importance of bacterial culture and micronutrint in pulses	30.12.11, Janara Barimula	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Soil sample collection technique and processing	21.6.11, Darabachha	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on INM in Kharif rice	3.6.11, Nuapatana	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Fertilizer scheduling and rate of application in rice crop	20.7.11, Nuapatana	25
Kendrapara	Farmers & farm women	Group discussion- The farmers were interested for soil testing and on the basis of soil test fertilizer recommendation will be there which will be definitely a balanced nutrient to crop	27.7.11, KVK, Kendrapara	25

Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Bio-fertilizer application in vegetable	29.8.11, Pandita Patana	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Production constraints in saline soil & its management	9.9.11, Kautagada	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Sulphur and Boron management in groundnut	28.10.11, Alapua	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on management of acid soil	Mahakalapara, 31.10.11	25
Kendrapara	Farmers & farm women	PRA tools & survey method & group meeting- Farmers were interested to role of micronutrient in cole crop	24.11.11, Barua	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Sulphur and boron management in groundnut	10.1.12, Aratamula	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Soil test based fertilizer recommendation to crops	22.2.12, Ranki	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Soil sample collection technique and processing	7.3.12, Sanamangarajpur	25
Kendrapara	IS	Group discussion with the line departments diagnostic field visit need for training on application of liming material in the basis of lime requirement in acid soil	30.3.12, KVK, Campus	15
Kendrapara	Farmers & farm women	Group discussion- Due to low yield of paddy straw mushroom in summer season, farmers demand for training on care and management of paddy straw mushroom	24.5.2011, Suniti, Mahakalapara	25
Kendrapara	Farmers & farm women	Group discussion, Farmers meeting, field visit. Due to indiscriminate use of pesticide there is need of training on safe and judicious use of pesticide.	8.06.2011, Sanamangrajpur,	25
Kendrapara	Farmers & farm women	Diagnostic field visit, PRA survey due to seed borne diseases of paddy there is low yield of paddy so farmers demand training on seed borne disease of paddy and their management.	10.6.2011 , Barua	25
Kendrapara	Farmers & farm women	Group discussion, Farmers meeting, field visit. Due to heavy infestation of pest in paddy, there is need of training on IPM of paddy.	12.7.2011, Barua	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, farmers demand for training on pest and disease management in paddy	24.7.11, Jaripara, Marshaghai	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, farmers demand for training on disease management in jute	5.11.2011, KVK Campus	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, farmers demand for training on pest and disease management in banana	Sanamangarajpur, 6.12.11	25

Kendrapara	Rural youth	Group discussion- For high profit and market demand of paddy straw mushroom , some rural youth came forward for production of mushroom	12.6.11 to 13.6.2011, KVK, Kendrapara	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on pests of brinjal and their management	8.11.11 to 9.11.11, KVK campus	25
Kendrapara	RY	Diagnostic field visit, group discussion, Need for training on Bee keeping for profit and pleasure	1.11.2011 to 5.11.2011, KVK, Kendrapara	15
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on disease and pest management on coconut.	25.11.2011, Narsinghpur	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on disease management of cole crops.	3.12.2011, Hatapatana, Pattamundai	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on IDM in sunflower	24.12.2011, Pentha, Rajnagar	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on IPM in mustard	31.12.2011, Kaitala, Rajnagar	25
Kendrapara	Farmers & farm women	Diagnostic field visit, group discussion, Need for training on potato	24.01.12 KVK, Kendrapara	25
Kendrapara	RY	Diagnostic field visit, group discussion, Need for training on self employment through oyster mushroom cultivation	27.02.12, KVK, Kendrapara	25
Kendrapara	IS	Group discussion with the line departments , diagnostic field visit need for training on botanical and bio-agent for control of pest of different crops	KVK, Kendrapara , 18.3.12	10
Kendrapara	Farmers & farmwomen	Diagnostic field visit & Exploratory survey- seeing the poor performance of banana plantations due to use of poor planting materials and no sucker treatment before planting, the training need is assessed.	7.6.11, Purva Sunati	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that there is lack of technical knowledge for producing good quality seedlings for cultivation of Kharif tomato.	10.6.11, Darabachha	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that there is almost no application of fertilizers to young fruit orchards of banana, papaya and coconut. Seeing this training need is assessed.	12.7.11, KVK, campus	25
Kendrapara	Farmers & farmwomen	Diagnostic field visit- Seeing the poor plant stand and irregular layout on the pond embankment training need is assessed.	15.7.11, Chandanagar	25
Kendrapara	Farmers & farmwomen	Using the PRA tools it is found that there is demand for planting materials of ornamental plants but it has a short supply.	14.8.11, Poipat	25
Kendrapara	Farmers & farmwomen	Diagnostic field visit-Imbalance and excess application of nitrogenous fertilizers in off season/ early cole crops (Cauliflower).	23.8.11, Ichhapur	25
Kendrapara	Farmers & farm women	Diagnostic field visit- Imbalance and no application of organic and inorganic fertilizers in banana orchard results in low yield.	12.9.11, Nuapatana	25

Kendrapara	Farmers & farm women	Diagnostic field visit- Imbalance and excess application of inorganic fertilizers and no application of in banana orchard results in low yield.	5.10.11, Kantia	25
Kendrapara	Farmers & farm women	Diagnostic field visit- Imbalance use of fertilizer in chilli	23.10.11, sanamangarajpur	25
Kendrapara	Farmers & farm women	Diagnostic field visit- weed management in Rabi onion which reduces the onion yield	8.11.11,KVK, Campus	25
Kendrapara	Farmers & farm women	Poor awareness and knowledge on locally available medicinal and aromatic plants in the vaccinating	19.11.11, Taranada	25
Kendrapara	Farmers & farm women	Diagnostic field visit- Poor management of potato causes damage of potato	16.12.11, Panikoili	25
Kendrapara	Farmers & farm women	Diagnostic field visit- Staggered method of planting of marigold for round the season production of flower	10.1.12, Sanamangarajpur	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Preparation of fish pond	Taranda, Block- Marshaghai 12.05.2011	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Seed production in portable FRP carp hatchery	Krushnadaspur, Block- Pattamundai 21.06.11	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Nursery pond management	Narendrapur 7.07.2011	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Seed production in portable FRP carp hatchery	21.7.11, KVK, Camous	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Fry fingerling rearing	Sanamangarajpur 17.08.11	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Composite fish culture	21.07.11, KVK, Campus	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Integrated farming system	10.08.2011, KVK Campus	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Aquatic weed control in fishery	7.11.11, Kautagada	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Ornamental gold fish production	10.12.11, KVK campus	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Integrated disease management of fish pond	8.01.2012, Janara Barimula	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Feed management in aquaculture	11.02.2012, Ushangara	25
Kendrapara	Farmers & farm women	Group discussion with the line departments diagnostic field visit need for training on Fresh water prawn culture	6.03.12, KVK, campus	25
Kendrapara	RY	Group discussion with the line departments diagnostic field visit need for training on Seed production in portable FRP carp hatchery	5.7.11, KVK, Campus	15

Kendrapara	RY	Group discussion with the line departments diagnostic field visit need for training on Preparation of value added fishery products	22.10.11, KVK, campus	15
Kendrapara	IS	Group discussion with the line departments diagnostic field visit need for training on Diversification of aquaculture practices	23.11.11, KVK, campus	10
Kendrapara	IS	Group discussion with the line departments diagnostic field visit need for training on Fish diseases and its control	18.12.11, KVK, campus	10
Kendrapara	IS	Group discussion with the line departments diagnostic field visit need for training on Nutrient management in pisciculture	14.03.12, KVK, campus	10
Kendrapara	Farm women	Group discussion, Training- Farm women were interested to prepare mango squash and mango pickle.	16.5.11 to 18.5.2011, Barua	25
Kendrapara	Farm women	Group discussion- Farm women were interested to raise seedlings during winter for their nutritional garden	7.6.2011, Baghilo	25
Kendrapara	Farm women	Group discussion- Farm women were interested to grow paddy straw mushroom for house hold consumption as well as increase their income	7.7.2011 to 8.7.2011, Sanamangarajpur	25
Kendrapara	Farm women	PRA survey and group discussion- Farm women were interested to grow vegetables and greens in proper way so as to increase in production	24.6.10 Alailo	25
Kendrapara	Farm women	Group discussion- farm women were interested to prepare value added product from mushroom	28.8.2011 to 29.8.2011, Bishok	25
Kendrapara	Farm women	Group discussion- Farm women were interested to grow paddy straw mushroom for house hold consumption as well as increase their income	10.8.10 sabalanga	25
Kendrapara	Farm women	Group discussion- Farm women were interested to grow vegetables and greens in proper way so as to increase product	5.9.2011 to 6.9.2011, Taranda	25
Kendrapara	Farm women	Group discussion and field visit- Due to lack of knowledge on Vermicomposting and use of low quality FYM in vegetables the farmers were getting less income from vegetable growing but after teaching they were motivated towards Vermicomposting	18.8.2011, Budamal basanta	25
Kendrapara	Farm women	Group discussion- farm women were interested to prepare value added product from mushroom	15.9.11, Govindpur	25
Kendrapara	Farm women	Group discussion- Farm women were interested training on sun drying of vegetable	30.9.11 Tarando, Kendrapara	25
Kendrapara	Farm women	Group discussion, Training- Farm women were interested to prepare tomato pickle and puree	29.10.2011, Chatar-chhakada	25
Kendrapara	Farm women	Field visit and group discussion- Farm women were interest to know about poultry management	Chanchunia, 13.2.12 & 14.2.12	25
Kendrapara	RY	Group discussion- Rural youth came forward to post harvest storage of oyster mushroom	Talasuni, 21.1.12 to 22.1.12	25

Kendrapara	RY	Group discussion- Rural youth came forward to prepare different type of masala powder	Keshpur, 4.1.12 to 5.1.12	15
Kendrapara	IS	Group discussion- Rural youth came forward to prepare value added product from mushroom for marketing	20.12.11, KVK, Campus	10
Kendrapara	IS	Group discussion & training- SHG were interested to prepare different type of value added product from rice	13.01.12, KVK, campus	10
Kendrapara	Farm women	Conducted village meeting & use PRA tools included resource mapping, focus group discussion with different wellbeing, problem need training on Agro-forestry model & land use practices	Narendrapur, Block- Marshaghai,18.07.2011	25
Kendrapara	Farm women	Conducted village meeting & use PRA tools included resource mapping focus group discussion with different wellbeing, problem need training on Fodder cultivation for big and small ruminants	KVK, Kendrapara 16.05.2011 to 17.05.2011	25
Kendrapara	Farm women	Conducted village meeting & use PRA tools included resource mapping focus group discussion with different wellbeing, problem need training on In-situ moisture conservation technologies for better land and water management	KVK, Kendrapara 19.05.2011 to 20.05.2011	25
Kendrapara	Farm women	Conducted village meeting & use PRA tools included resource mapping focus group discussion with different wellbeing, problem need training on Bio-village concept to adoption practices for better resource management	12.9.11, Nilikana	25
Kendrapara	Farm women	Conducted village meeting & use PRA tools included resource mapping focus group discussion with different wellbeing, problem need training on Live fencing & its suitable species for costal crop management	7.01.12, Ichhapur	25
Kendrapara	RY	Diagnostic field visit, group discussion, Need for training on Integrated farming system for sustainable livelihoods	18.10.11, KVK, Campus	25
Kendrapara	RY	Diagnostic field visit, group discussion, Need for training on Management of Available Natural Resources	21.11, 2011, KVK, campus	25
Kendrapara	RY	Diagnostic field visit , group discussion, Need for training on Agro-forestry model and its importance on livelihood	9.12.11, KVK, campus	25
Kendrapara	RY	Diagnostic field visit, group discussion, Need for training on Farm Problem Analysis and its utilization in farm management	18.01.12, KVK, Campus	25
Kendrapara	IS	Diagnostic field visit, group discussion, Need for training on SHG, FIG, CIG and WIG formation and management	11.8.11, KVK, Campus	25
Kendrapara	IS	Diagnostic field visit, group discussion, Need for training on Formation of farmers club and federation	29.9.11, KVK, campus	25

Kendrapara	IS	Diagnostic field visit, group discussion, Need for training on Knowledge sharing and technology blending	25, 10.11, KVK, Campus	25
Kendrapara	IS	Diagnostic field visit, group discussion, Need for training on Gender mainstreaming through SHGs	28.02.12, KVK, Campus	25

Abbreviation Used

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

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
Kendrapara	FW	ONC	CRP	Rice-fish farming technique in the deep water logged area	1	1	21	-	4	-	-	-	-	-
Kendrapara				Farming system research	1	2	25	-	-	-	-	-	-	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
				approach for better sustainability										
Kendrapara				Inter cropping for higher sustainability and yield	1	2	19	3	3	-	-	-	-	-
Kendrapara	FW	ONC	SFM	Green manuring with dhaincha in kharif rice	1	1	-	-	3	-	-	-	22	-
Kendrapara				INM in Kharif rice	1	1	-	-	-	-	-	-	25	-
Kendrapara				Soil test based fertilizer recommendation to crops	1	1	-	-	6	-	-	-	19	-
Kendrapara				Bio-fertilizer application in vegetable	1	2	-	-	2	-	-	-	23	-
Kendrapara				Management of acid soil	1	2	-	-	1	-	-	-	23	1
Kendrapara	FW	ONC	FIS	Seed production in portable FRP carp hatchery	1	2	4	-	2	-	-	-	19	-
Kendrapara				Integrated farming system	1	1	5	-	-	-	-	-	20	-
Kendrapara				Ornamental gold fish production	1	2	3	-	2	-	-	-	20	-
Kendrapara				Fresh water prawn culture	1	1	4	-	1	-	-	-	20	-
Kendrapara	FW	ONC	WOE	Nursery raising of winter vegetable	1	1	-	2		23				
Kendrapara				Preparation technique of mango squash and mango pickle	1	3	-	-	-	1	-	-	-	24
Kendrapara				Value added product oyster mushroom	1	2				6				19
Kendrapara				Use of vermicompost in nutritional garden	1	1				1				24

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
Kendrapara				Sun drying of vegetable	1	2				4				21
Kendrapara				Preparation of tomato pickle and puree	1	2		3	-	2	-	-	-	20
Kendrapara	FW	OFC	CRP	Fodder cultivation technique and its benefit	1	1	16	9	-	-	-	-	-	-
				Head management in sunflower	1	1	20	-	5	-	-	-	-	-
Kendrapara				Use of bio-fertilizer in paddy	1	1	16	5	3	1	-	-	-	-
Kendrapara				SRI method of rice cultivation to mitigate climate change	1	1	22	-	3	-	-	-	-	-
Kendrapara				Crop and variety selection for acid soil	1	1	24	-	1	-	-	-	-	-
Kendrapara	FW	OFC	SFM	Soil sample collection technique and processing	2	2	-	-	7	-	-	-	42	1
Kendrapara				Fertilizer scheduling and rate of application in rice crop	1	1	-	-	8	-	-	-	17	-
Kendrapara				Production constraints in saline soil & its management	1	1	-	-	-	-	-	-	16	9
Kendrapara				Sulphur and Boron management in groundnut (2Nos)	1	1	4	-	-	-		-	21	-
Kendrapara				Use of micronutrients and its effect on cole crop production	1	1	-	-	-	-	-	-	25	-
Kendrapara				Bacterial culture treatment along with	1	1	4	-	-	-	-	-	21	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
				micronutrient in pulses										
Kendrapara				Sulphur and boron management in groundnut	1	1	5	-	-	-	-	-	20	-
Kendrapara				Soil test based fertilizer recommendation to crops	1	1	5	-	-	-	-	-	20	-
Kendrapara				Soil sample collection technique and processing	1	1	-	-	-	-	-	-	25	-
Kendrapara	FW	OFC	PLP	Care and management of paddy straw mushroom in summer season	1	1	5	17	-	3	-	-	-	-
Kendrapara				Safe and judicious use of pesticide	1	1	24	-	1	-	-	-	-	-
Kendrapara				Seed borne disease of paddy and their management	1	1	25	-	-	-	-	-	-	
Kendrapara				Integrated pest management in Kharif paddy	1	1	24	1	-	-	-	-	-	-
Kendrapara				Integrated disease management in Kharif paddy	1	1	23	2	-	-	-	-	-	-
Kendrapara				Integrated disease management in jute	1	1	19	-	6		-			
Kendrapara				Pest and disease management in banana	1	1	25	-	-	-				
Kendrapara				Pests of Brinjal and their management.	1	1	24	-	1	-	-	-	-	-
Kendrapara				Disease and pest management in coconut	1	1	8	-	15	2	-	-	-	--

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
Kendrapara				Disease management of cole crops	1	1	23	-	2	-	--	-	-	-
Kendrapara				Integrated disease management in sunflower	1	1	16	7	-	2				
Kendrapara				Integrated pest management in mustard	1	1	20	5	-	-	-	-	-	-
Kendrapara				Integrated pest management of potato	1	1	21	-	4	-				
Kendrapara				Integrated disease management of potato	1	1	20	-	5	-	-	-	-	-
Kendrapara	FW	OFC	FIS	Preparation of fish pond	1	2	4	-	2	-	-	-	19	-
Kendrapara				Nursery pond management	1	2	3	-	1	-	-	-	21	-
Kendrapara				Fry fingerling rearing	1	2	1	-	-	-	-	-	24	-
Kendrapara				Composite fish culture	1	2	5	-	-	-	-	-	20	-
Kendrapara				Aquatic weed control in fishery	1	2	3	-	5	-	-	-	17	-
Kendrapara				Integrated disease management of fish pond	1	1	-	-	-	-	-	-	25	-
Kendrapara				Feed management in aquaculture	1	1	-	-	-	-	-	-	25	-
Kendrapara	FW	OFC	HOV	Nursery raising techniques for cultivation of Kharif tomato	01	01			07				16	02
Kendrapara				Integrated nutrient management for off season cultivation of cole crops	01	01			01	05			10	09
Kendrapara				Integrated nutrient management in brinjal	01	01							23	02

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
Kendrapara				Post harvest management of potato	01	02	22						03	
Kendrapara	FW	OFC	HOP	Fertilizer management of young orchards	01	01			04	02			16	03
Kendrapara				Layout for planting of fruits and vegetables suitable for pond embankment	01	01			09				14	02
Kendrapara	FW	OFC	HOF	Selection of banana suckers and its treatment before banana cultivation	01	01							18	07
Kendrapara				Fertilizer management in banana plantations	01	01	25							
Kendrapara	FW	OFC	HOO	Propagation technique of ornamental plants	01	01				04				21
Kendrapara				Staggered planting material of marigold for round the season production of flowers	01	02	19	02	01				03	
Kendrapara	FW	OFC	HOS	Fertilizer management in chilli	01	01	04	10					09	02
Kendrapara				Weed management in rabi onion	01	02	17		05				03	
Kendrapara	FW	OFC	HOM	Use of locally available medicinal and aromatic plants	01	02							23	02
Kendrapara	FW	OFC	WOE	Crop rotation in nutritional garden	2	2	-	-	-	8	-	-	-	42
Kendrapara				Value added product	1	2	-	-	-	9	-	-	-	16

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
				from mushroom										
Kendrapara				Preparation of different products from milk	1	2	-	-	-	20	-	-	-	5
Kendrapara				Paddy straw mushroom cultivation technique	1	2				5				20
Kendrapara				Management of poultry during winter	1	1	-	-	-	-	-	-	-	25
Kendrapara				Oyster mushroom cultivation technique	1	2				15				35
Kendrapara	FW	OFC	EXP	Agro-forestry model & land use practices	1	1			04	02			16	03
Kendrapara				Fodder cultivation for big and small ruminants	1	1			09				14	02
Kendrapara				In-situ moisture conservation technologies for better land and water management	1	1							18	07
Kendrapara				Bio-village concept to adoption practices for better resource management	1	1	25							
Kendrapara	RY	ONC	CRP	Live fencing & its suitable species for costal crop management	1	3	20	-	-	-	-	-	-	-
Kendrapara				Hybrid seed production technique of paddy	1	4	20	-	-	-	-	-	-	-
Kendrapara														
Kendrapara		ONC	PLP	Self employment through	1	1	5	14	-	1				

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
				Paddy straw mushroom cultivation										
Kendrapara				Self employment through oyster mushroom cultivation	1	1	10	8	7	-	-	-	-	-
Kendrapara		ONC	HOV	Seed production and seed extraction techniques in self pollinated vegetable crops	1	2	2	13	-	-	-	-	-	-
		ONC	FIS	Seed production in portable FRP carp hatchery	1	3	5	-	-	-	-	-	40	-
				Preparation of value added fishery products	1	3	-	-	-	-	-	-	45	-
Kendrapara		ONC	WOE	Post harvest storage of oyster mushroom	1	2				2				23
		ONC	WOE	Preparation of masala powder	1	5	-	2	-	1	-	-	-	12
Kendrapara		ONC	PLP	New generation pesticides used for control of pest of different crops	1	1	9	-	1					
Kendrapara				Botanicals and bio-agent used for control of pests of different crop.	1	1	9	-	1					
			FIS	Diversification of aquaculture practices	1	3	-	-	-	-	-	-	30	-
				Fish diseases and its control	1	2	3	-	-	-		-	17	-
				Nutrient management in	1	2	-	-	-	-	-	-	25	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**		
				pisciculture										
Kendrapara		ONC	HOV	Protected cultivation technology	1	1	1	2	7	-	1	-	-	-
Kendrapara		ONC	WOE	Preparation of different value added product from mushroom	1	3	-	8	-	2	-	-	-	-
				Preparation of different value added product from rice	1	2	-	8	-	2	-	-	-	-
	RY	ONC	EXP	Integrated farming system for sustainable livelihoods	1	2	5	17	-	3	-	-	-	-
				Management of Available Natural Resources	1	2	24	-	1	-	-	-	-	-
				Agro-forestry model and its importance on livelihood	1	2	25	-	-	-	-	-	-	
				Farm Problem Analysis and its tilization in farm management	1	2	24	1	-	-	-	-	-	-
	IS		EXP	SHG, FIG, CIG and WIG formation and management	1	1	-	-	-	-	-	-	25	-
				Formation of farmers club and federation	1	1	-	-	-	-	-	-	25	-
				Knowledge sharing and technology blending	1	1	-	-	-	-	-	-	25	-
				Gender mainstreaming through SHGs	1	1	1	-	2	-	-	-	22	-

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Kendrapara	Preparation of insence stick	Enterprise	Small scale processing	7		2				5
Kendrapara	Fry and fingerling	crop	Seed production	4	7	-	3	-	-	40
Kendrapara	Pond based farming and farming system model in a commercial way	crop	Farming system	5	1	-	-	-	9	-
Kendrapara	Bee keeping for profit & pleasure	enterprise	Bee keeping	5	10	5	-	-	-	-
Kendrapara	Propagation technique of horticultural plants	Crop	Planting material production	5		3	-	-	-	7
Kendrapara	Multiplication technique and use of azolla in agriculture	Crop	Production and use of organic input	2	2	-	-	-	13	-

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Kendrapara	Oyster mushroom raising technique	Small scale unit	15	200	Nil
Kendrapara	Paddy straw mushroom cultivation	Small scale unit	10	150	Nil
Kendrapara	Rearing and management of poultry	Poultry rearing	10	50	Nil

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	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		
Kendrapara	Strengthening of Farmer club	CRP		FW	01		50						NABARD	
Kendrapara	Pani Panchayat	CRP		FW	01		50						Lift Irrigation	
Kendrapara	Scalling of water productivity	Water management		F &FW	07		100						RRTTS, Ciplima	

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

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

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Kendrapara	Head management in sunflower	25	36	68	-	-	-		1. 69 ha 2. 18 No. adopted 3. i. knowledge- 88.88%
Kendrapara	Cultivation technique of fodder	25	23	59	-	-	-	-	1. 28 ha 2. 14 No. adopted 3. i. knowledge- 156.52%
Kendrapara	Integrated weed management in upland paddy	25	35	78	-	-	-	-	1. 92 ha 2. 21 No. adopted 3. i. knowledge- 122.85%
Kendrapara	Hybrid seed production technique of paddy	20	29	63	-	-	-	-	1. 74 ha 2. 9 No. adopted 3. i. knowledge- 117.24%

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	
Kendrapara	Azolla production in commercial basis	20	25	60	-	-	-	-	1. 62 ha 2. 14 No. adopted 3. i. knowledge- 238.88%
Kendrapara	Rice-fish farming technique in the deep water logged area	25	14	43	-	-	-	-	1. 32 ha 2. 6 No. adopted 3. i. knowledge- 20% , 14%
Kendrapara	Farming system research approach for better sustainability	25	18	61	-	-	-	-	1. 62 ha 2. 14 No. adopted 3. i. knowledge- 238.88%
Kendrapara	SRI method of rice cultivation to mitigate global warming	25	32	68	32	51	17000	35000	1. 220 ha 2. Out of 25 trainees 13 trainee adopted 3. i. knowledge- 112% ii. Production- 59% iii. Income- 105%
Kendrapara	Inter cropping for higher yield and sustainability	25	38	62	34	44	18000	27000	1. 116 ha 2. Out of 25 trainee 9 trainees adopted the inter cropping practice 3.i. Knowledge- 63% , ii.. Production- 29%, iii. Income- 50%
Kendrapara	Crop and variety selection for acid soil	25	38	57	33	40	16000	23000	1. 156 ha 2. Out of 25 farmers 16 founded the bio-fertilizer application in paddy. 3.i. Knowledge- 50% ii.. Production- 21% iii. Income- 44%

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	
Kendrapara	Fertilizer management in scented rice cultivars	25	32	68	32	51	17000	35000	1. 220 ha 2. Out of 25 trainees 13 trainee adopted 3. i. knowledge- 112% ii. Production- 59% iii. Income- 105%
Kendrapara	Location specific varietal substitution in different HYV paddy	10	32	47	35	42	14000	21,000	1. 111 ha 2. Out of 10 trainees 3 trainee adopted 3. i. knowledge- 46% ii. Production- 20% iii. Income- 50%
Kendrapara soil	Green manuring with dhaincha in kharif rice	50	28	68	-	-	-	-	1. 76 ha 2. 45 No. of farmer adopted technology 3. i. Knowledge- 142.8%
Kendrapara	Soil sample collection technique and processing	25	22	40	165	202	22,500	39,000	1. 21 ha 2. 12 No. of farmer adopted technology 3. i. Knowledge- 81.8% ii. Production-22.4%, iii. Income- 73..3%
soil	INM in Kharif rice	25	18	35	-	-	-	-	1. 52 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 94.4%
Kendrapara	Fertilizer scheduling and rate of application in rice crop	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
soil	Soil test based fertilizer recommendation to crops	25	42	65	-	-	-	-	1. 112 ha 2. 20 No. of farmer adopted technology 3. i. Knowledge- 54.7%

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	
Kendrapara	Bio-fertilizer application in vegetable	25	36	65	-	-	-	-	1. 45 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 80.5%,
soil	Production constraints in saline soil & its management	25	24	35	-	-	-	-	1. 62 ha 2. 12 No. of farmer adopted technology 3. i. Knowledge- 45.8%
Kendrapara	Sulphur and Boron management in groundnut (2Nos)	25	22	40	165	202	22,500	39,000	1. 21 ha 2. 12 No. of farmer adopted technology 3. i. Knowledge- 81.8% ii. Production-22.4%, iii. Income- 73..3%
Kendrapara	Management of acid soil	25	18	35	-	-	-	-	1. 52 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 94.4%
Kendrapara	Use of micronutrients and its effect on cole crop production	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
Kendrapara	Bacterial culture treatment along with micronutrient in pulses	25	42	65	-	-	-	-	1. 112 ha 2. 20 No. of farmer adopted technology 3. i. Knowledge- 54.7%

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	
Kendrapara	Sulphur and boron management in groundnut	25	22	40	165	202	22,500	39,000	1. 21 ha 2. 12 No. of farmer adopted technology 3. i. Knowledge- 81.8% ii. Production-22.4%, iii. Income- 73..3%
Kendrapara	Soil test based fertilizer recommendation to crops	25	18	35	-	-	-	-	1. 52 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 94.4%
Kendrapara	Soil sample collection technique and processing	25	36	65	-	-	-	-	1. 45 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 80.5%,
Kendrapara	Care and management of paddy straw mushroom in summer season	25	40	70	1	1.5	701	105	1. 100 villages of the district 2. 700 adopted the technology 3. i. Knowledge- 75%, ii. Production- 50% iii. Income- 50%
Kendrapara	Safe and judicious use of pesticide	25	10	30	-	-	-	-	1. Area expanded 80 ha 2. No of farmers adopted- 250 nos. 3. i. Knowledge- 20%
Kendrapara	Seed borne disease of paddy and their management	25	10	45	-	-	-	-	1. Area expanded 200 ha 2. No of farmers adopted- 400 nos. 3. i. Knowledge- 77%
Kendrapara	Integrated pest management in kharif paddy	25	25	55	-	-	-	-	1. Area expanded 150 ha 2. No of farmers adopted- 200nos. 3. i. Knowledge- 54%

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	
Kendrapara	Integrated disease management in kharif paddy	25	20	40	-	-	-	-	1. Area expanded 120 ha 2. No of farmers adopted- 150nos. 3. i. Knowledge- 40%
Kendrapara	Integrated disease management in jute	25	30	55	-	-	-	-	1. Area expanded 25 ha 2. No of farmers adopted- 50 nos. 3. i. Knowledge- 54%
Kendrapara	Pest and disease management in banana	25	25	63	350	450	35,600	46,800	1. 50 ha 2. Out of 25 trainees 8 farmers adopted the scientific pest and disease in banana 3.i. Knowledge- 60% ii. Production- 22% iii. Income- 23.93%
Kendrapara	Pests of Brinjal and their management.	25	48	70	300	450	28,860	44,430	1. 80 ha 2. Out of 25 trainees 14 farmers adopted the scientific pest management in brinjal 3.i. Knowledge- 31.42% ii. Production- 33.33% iii. Income- 35.04%
Kendrapara	Disease and pest management in coconut	25	15	45	35	55	28,00	5,600	1. 150 ha 2. Out of 25 trainees 18 farmers adopted the disease and pest management in coconut 3.i. Knowledge- 66.66% ii. Production- 36.36% iii. Income- 50%
Kendrapara	Disease management of cole crops	25	55	65	250	300	1,10,000	1,50,000	1. 85 ha 2. Out of 25 trainees 11 farmers adopted the integrated disease management of cole crops 3.i. Knowledge- 15.38% ii. Production- 16.66% iii. Income- 26.66%

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	
Kendrapara	Integrated disease management in sunflower	25	35	51	-	-	-	-	1. 28 ha 2. Out of 25 trainees 9 farmers adopted the technology of proper layout of pond embankment. 3. i. Knowledge- 45.7%
Kendrapara	Integrated pest management in mustard	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
Kendrapara	Integrated pest management of potato	25	24	52	160	192	30,000	46000	1. 58 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 116.6%, ii. Production- 20% iii. Income- 53.5%
Kendrapara	Integrated disease management of potato	25	47	67	10	210	80,000	105000	1. 80 ha 2. Out of 25 trainees 11 farmers adopted the scientific disease management of potato 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50%
Kendrapara	Self employment through Paddy straw mushroom cultivation	50	50	80	1	1.5	70	105	1.90 villages 2.600 adopted the technology 3. i. Knowledge-60 % ii. Production –50 % iii. Income- 50 %
Kendrapara	Self employment through oyster mushroom cultivation	50	45	70	1kg	1.5 kg	40	60	1.130 villages 2.40 adopted the technology 3. i. Knowledge-55.6 % ii. Production –50 % iii. Income- 50 %

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	
Kendrapara	Bee keeping for profit and pleasure	15	20	57	5	10	1000	2000	1.10 villages 2. Out of 15 trainees 5 farmers adopted the recommended scientific bee keeping 3.i. Knowledge- 64.91% ii. Production- 50% iii. Income- 50%
Kendrapara	Botanicals and bio-agent used for control of pests of different crop.	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
Kendrapara	Preparation of fish pond	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
Kendrapara	Seed production in portable FRP carp hatchery	25	24	52	160	192	30,000	46000	1. 58 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 116.6%, ii. Production- 20% iii. Income- 53.5%
Kendrapara	Seed production in portable FRP carp hatchery	25	47	67	10	210	80,000	105000	1. 80 ha 2. Out of 25 trainees 11 farmers adopted the scientific disease management of potato 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50%
Kendrapara	Nursery pond management	25	18	35	-	-	-	-	1. 52 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 94.4%

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	
Kendrapara	Fry fingerling rearing	25	45	72	36	45	1400	2300	1. 48 ha 2. 14 No. of farmer adopted technology 3. i. Knowledge- 60%, ii. Production- 25% iii. Income- 64.3%
Kendrapara	Composite fish culture	25	42	65	-	-	-	-	1. 112 ha 2. 20 No. of farmer adopted technology 3. i. Knowledge- 54.7%
Kendrapara	Integrated farming system	25	36	68	-	-	-		1. 69 ha 2. 18 No. adopted 3. i. knowledge- 88.88%
Kendrapara	Aquatic weed control in fishery	25	23	59	-	-	-	-	1. 28 ha 2. 14 No. adopted 3. i. knowledge- 156.52%
Kendrapara	Ornamental gold fish production	25	35	78	-	-	-	-	1. 92 ha 2. 21 No. adopted 3. i. knowledge- 122.85%
Kendrapara	Integrated disease management of fish pond	25	24	52	160	192	30,000	46000	1. 58 ha 2. 15 No. of farmer adopted technology 3. i. Knowledge- 116.6%, ii. Production- 20% iii. Income- 53.5%
Kendrapara	Feed management in aquaculture	25	47	67	10	210	80,000	105000	1. 80 ha 2. Out of 25 trainees 11 farmers adopted the scientific disease management of potato 3.i. Knowledge- 29.85% ii. Production- 23.80% iii. Income- 23.50%

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	
Kendrapara	Fresh water prawn culture	25	24	36	-	-	-	-	1. 38 ha 2. Out of 25 trainees 11 farmers adopted the Post harvest management practice of potato. 3. i. Knowledge- 50%
Kendrapara	Seed production in portable FRP carp hatchery	45	23	32	-	-	-	-	1. 123 ha 2. Out of 25 trainees 15 farmers applied fertiliers to the coconut/ papaya/banana plantation. 3. i. Knowledge- 36%
Kendrapara	Preparation of value added fishery products	45	34	56	52	98	-	-	1. 28 ha 2. Out of 25 trainees 9 farmers adopted the technology of proper layout of pond embankment. 3. i. Knowledge- 45.7%
Kendrapara	Diversification of aquaculture practices	30	18	28	-	-	-	-	1. 62 ha 2. Out of 25 trainees 10 farmers adopted the proper method of raising nursery for Kharif tomato. 3. i. Knowledge- 31%
Kendrapara	Fish diseases and its control	20	29	63	-	-	-	-	1. 74 ha 2. 9 No. adopted 3. i. knowledge- 117.24%
Kendrapara	Nutrient management in pisciculture	25	45	76	92	143	36800	57200	1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4%
Kendrapara	Selection of banana suckers and its treatment before banana cultivation	25	49	73	-	-	-	-	1. 32 ha 2. Out of 25 trainees 12 farmers adopted the proper planting material treatment before planting along suckers. 3. i. Knowledge- 48%

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	
Kendrapara	Nursery raising techniques for cultivation of Kharif tomato	25	29	38	-	-	-	-	1. 62 ha 2. Out of 25 trainees 10 farmers adopted the proper method of raising nursery for Kharif tomato. 3. i. Knowledge- 31%
Kendrapara	Fertilizer management of young orchards	25	39	53	-	-	-	-	1. 123 ha 2. Out of 25 trainees 15 farmers applied fertiliers to the coconut/ papaya/banana plantation. 3. i. Knowledge- 36%
Kendrapara	Layout for planting of fruits and vegetables suitable for pond embankment	25	35	51	-	-	-	-	1. 28 ha 2. Out of 25 trainees 9 farmers adopted the technology of proper layout of pond embankment. 3. i. Knowledge- 45.7%
Kendrapara	Propagation technique of ornamental plants	25	28	36	-	-	-	-	1. 14 ha 2. Out of 25 trainees 8 trainees have started their small scale nursery for supply of planting materials of ornamental plants. 3. i. Knowledge- 28.5%
Kendrapara	Integrated nutrient management for off season cultivation of cole crops	25	46	58	-	-	-	-	1. 61 ha 2. Out of 25 trainees 12 farmer. have gone for integrated nutrient management in off season cole crops (cauliflower). 3. i. Knowledge- 26.0%
Kendrapara	Fertilizer management in banana plantations	25	28	37	-	-	-	-	1. 23 ha 2. Out of 25 trainees 7 went for integrated nutrient management in banana orchards. 3. i. Knowledge – 32.1%
Kendrapara	Integrated nutrient management in brinjal	10	42	59	-	-	-	-	1. 72 ha 2. Out of 25 trainees 12 went for integrated nutrient management in brinjal 3. i. Knowledge- 40.4%

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	
Kendrapara	Fertilizer management in chilli	25	48	73	-	-	-	-	1. 32 ha 2. Out of 25 trainees 14 farmers adopted the proper dose of fertiliser application in chilli. 3. i. Knowledge- 52.08 %
Kendrapara	Weed management in rabi onion	25	25	41	-	-	-	-	1. 71 ha 2. Out of 25 trainees 10 farmers adopted the weed management practice in rabi onion. 3. i. Knowledge- 64 %
Kendrapara	Use of locally available medicinal and aromatic plants	25	27	34	-	-	-	-	1. 41 ha 2. Out of 25 trainees 12 farmers are using locally available medicinal and aromatic plants. 3. i. Knowledge- 25.92 %
Kendrapara	Post harvest management of potato	25	24	36	-	-	-	-	1. 38 ha 2. Out of 25 trainees 11 farmers adopted the Post harvest management practice of potato. 3. i. Knowledge- 50%
Kendrapara	Staggered planting material of marigold for round the season production of flowers	25	14	21	-	-	-	-	1. 14 ha 2. Out of 25 trainees 8 trainees have started Staggered planting material of marigold for round the season production of flowers. 3. i. Knowledge- 42.85%
Kendrapara	Preparation technique of mango pickle & mango squash	25	25	50	-	-	950	1700	1.10 villages 2.900 adopted the technology 3. i. Knowledge-25 % iii. Income- 78.9 %
Kendrapara	Preparation of different products from milk	25	25	50	-	-	950	1700	1.20 villages 2.700 adopted the technology 3. i. Knowledge-25% ii. Income- 78.9 %

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	
Kendrapara	Paddy straw mushroom raising technique	50	50	80	1	1.5	70	105	1.90 villages 2.600 adopted the technology 3. i. Knowledge-60 % ii. Production –50 % iii. Income- 50 %
Kendrapara	Preparation of different value added product from rice	10	44	79	6	10	3000	6000	1. 160 ha 2. Out of 10 trainees 6 trainee adopted 3. i. knowledge- 79% ii. Production- 66% iii. Income- 100%
Kendrapara	Use of vermicompost in nutritional garden	25	45	76	92	143	36800	57200	1.18 ha 2.20 adopted the technology 3. i. Knowledge-68.8 % ii. Production –55.4 % iii. Income- 55.4%
Kendrapara	Oyster mushroom cultivation	50	45	70	1kg	1.5 kg	40	60	1.130 villages 2.40 adopted the technology 3. i. Knowledge-55.6 % ii. Production –50 % iii. Income- 50 %
Kendrapara	Preparation technique of tomato puree and pickle	25	25	50	-	-	950	1700	1.10 villages 2.900 adopted the technology 3. i. Knowledge-25 % iii. Income- 78.9 %
Kendrapara	Sun drying of vegetable	10	44	79	6	10	3000	6000	1. 160 ha 2. Out of 10 trainees 6 trainee adopted 3. i. knowledge- 79% ii. Production- 66% iii. Income- 100%
Kendrapara	Management of poultry during winter	25	38	52	1kg per bird	1.5	80	120	1. 30 villages 2. Out of 10 trainees 25 trainee 21adopted 3. i. knowledge- 36.8% ii. Production- 50% iii. Income- 50%

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	
Kendrapara	Value addition in oyster mushroom	50	45	70	1kg	1.5 kg	40	60	1.130 villages 2.40 adopted the technology 3. i. Knowledge-55.6 % ii. Production –50 % iii. Income- 50 %
Kendrapara	Preparation of masala powder	15	45	70	-	-	4500	6000	1.8 villages 2.Out of 15 trainees 7 adopted the technology 3. i. Knowledge-55.6 % ii.Income- 33.3 %
Kendrapara	Crop rotation in nutritional garden	50	24	38	92	143	36800	57200	1.18 ha 2.Out of 50 trainees 32 adopted the technology 3. i. Knowledge-58.3 % ii. Production –55.4 % iii.Income- 55.4 %
Kendrapara	Farmers youth club and its management	25	10	40	-	-	-	-	1.20 villages 2.25 adopted 3. Knowledge-40 %
Kendrapara	Formation of SHG federation and its management	25	30	70	-	-	-	-	1.32 villages 2.28 SHGs adopted 3. Knowledge-70 %
Kendrapara	Integrated faming for sustainable livelihoods	25	10	60	-	-	-	-	1.16 villages 2.7 adopted 3. Knowledge-60 %
Kendrapara	Knowledge sharing technology blending (networking)	25	5	40	-	-	-	-	1.5 villages 2.25 adopted 3. Knowledge-40 %

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	
Kendrapara	In-situ moisture conservation technologies for better land and water management	25	15	26	-	-	-	-	1. 10 villages 2. Out of 25 farmers 14 farmers have been followed post harvest processing and value addition 3. Knowledge-60 %
Kendrapara	Agro-forestry model and land use practices	25	12	21	-	-	-	-	1. 5 villages 2. Out of 25 farmers 9 farmers are interested on Farm entrepreneurship for self employment. 3. Knowledge-75 %
Kendrapara	Fodder cultivation for big and small ruminants	25	24	37	-	-	-	-	1. 10 villages 2. Out of 25 farmers 15 farmers are interested on farm diversification 3. Knowledge-54.16 %
Kendrapara	Micro planning for farm problem management	25	8	12	-	-	-	-	1. 6 villages 2. Out of 25 farmers 18 farmers are interested to analyse their farm problems and need based planning 3. Knowledge-50 %
Kendrapara	Bio-village concept to adoption practices for better resource managenet	25	31	54	-	-	-	-	1. 11 villages 2. Out of 25 farmers 20 farmers are interested on Commercial farming for more production and profit 3. Knowledge-74.19 %
Kendrapara	Management of Available Natural Resources	25	22	36	-	-	-	-	1. 8 villages 2. Out of 25 farmers 17 farmers are interested on management of available natural resources for maximum benefits 3. Knowledge-63.63 %

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	
Kendrapara	Land use planning and crop calender	25	10	60	-	-	-	-	1.16 villages 2.7 adopted 3. Knowledge-60 %

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Kendrapara	Field Day	20	20	200	100	110	60	30		For FLDs		
Kendrapara	Kisan Mela	1	1	75		15	10			Familiar with rural farmers environment for knowledge sharing & blending		
Kendrapara	Exhibition	3	3									
Kendrapara	Film Show	2	1							To show the agriculture and allied sectors innovations and technologies		
Kendrapara	Method Demonstrations	11	6	183	72	85	53	25	12	Learning by doing		
Kendrapara	Farmers Seminar	2	1	15	10					Interaction with Govt. official and scientists on different farm related issues		
Kendrapara	Workshop	5	5									
Kendrapara	Group meetings	13	12							Interaction with farmers group on agriculture technical know-how		
Kendrapara	Lectures delivered as resource persons	10	5	150	30	20	15	25	6	New improved practices and technologies related agriculture and allied sector		
Kendrapara	Newspaper coverage	20	18							Agril. Innovation, new varieties, implements and improved package and practices		

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			
Kendrapara	Radio talks	12	10							IPM, IDM, INM, IFS and success stories		
Kendrapara	TV talks		25							success stories of crops and allied sectors		
Kendrapara	Popular articles		10							Need based popular articles		
Kendrapara	Extension Literature	11		-	-	-	-	-	-	-Prusti Nirapata pai prusti sadhan Bagicha, Babasayika Bhitire Chattu chasa, Babasayika Bhitire kadali chasa, Go Sampadara Bikasa pai ghasa chasa, Babasayika Bhitire potala chasa, Rangin Machha chasa, Uranat pranali re Amruta bhanda chasa, Dhana fasala re roga poka parichalana,		
Kendrapara	Scientific visit to farmers field		442							Solving various problems of farmers related to agriculture		Different critical growth stages of crops
Kendrapara	Farmers visit to KVK		3345							Taking technical advice from scientists to grow different crops, mushroom, poultry,fishes, vermicompost and FSRE models,purchasing seeds, planting materis,soil testing		Different critical stages of growth

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			
Kendrapara	Diagnostic visits		38	28	10	-	-	-	-	Solving various problems	-	-
Kendrapara	Exposure visits		3	78	22	18	-	28	12	Visit to the demo units of KVK		
Kendrapara	Ex-trainees Sammelan	2	2	38	-	12	-	-	-	To know about the dissemination of technology	Agriculture prospective through farm innovation and knowledge sharing	
Kendrapara	Soil health Camp											
Kendrapara	Animal Health Camp		1(34)	34	-	-	-	-	-	Vaccinaztion and deworming of livestocks	-	-
Kendrapara	Soil test campaigns											
Kendrapara	Farm Science Club conveners meet		7	145		18				Basic Awareness and rapport building	New improved crop management practices	Pre, Mid and post
Kendrapara	Self Help Group conveners meetings		5		20		3			Group dynamics and IGA activities	Mushroom cultivation and golden grass	Pre and post
Kendrapara	Celebration of important days		2	50	-	-	28	15	7	Akhitutia and women day celebration	Sowing of seed and women empowerment	

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Kendrapara	April 2010 and 1st January, 2011	6 months	400	400

7.2 Literature developed/published

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
Kendrapara	Leaflet	Prusti Nirapata pai prusti sadhan Bagicha	Mrs. Anjali Ray & Mrs. Annapurna Saran	500
Kendrapara	Leaflet	Babasayika Bhitire Chattu chasa	Sri Manoj Kumar Rout	500
Kendrapara	Leaflet	Babasayika Bhitire kadali chasa	Sri Sasanka Lenka	500
Kendrapara	Leaflet	Go Sampadara Bikasa pai ghasa chasa	Sri Sasanka Lenka	500
Kendrapara	Leaflet	Babasayika Bhitire potala chasa	Sri Sasanka Lenka	500
Kendrapara	Leaflet	Rangin Machha chasa	Sri N. K sial	500
Kendrapara	Leaflet	Uranat pranali re Amruta bhanda chasa	Sri Sasanka Lenka	500
Kendrapara	Leaflet	Dhana fasala re roga poka parichalana	Sri Manoj Kumar Rout	500
Kendrapara	Leaflet	Saghana Machha chasa	Sri N. K sial	500
Kendrapara	Leaflet	Auosadhiya bagicha o tara upakarita	Sri Sasanka Lenka	500
Kendrapara	Leaflet	Baigyanika pranalire chinabadam chasa	Sri L.K Mahanty	500
Kendrapara	Leaflet	Muga biri fasalare roga poka parichalana	Sri Manoj Kumar Rout	500

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	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
Kendrapara	Cereals	Paddy	Swarna	F	38	SD	80180	
Kendrapara			Ranidhan	F	30	SD	63300	
Kendrapara			Pooja	F	25	SD	52750	
Kendrapara			CR-1014	F	15	SD	31650	
Kendrapara			Lalat	F	30	SD	59400	
			Khandagiri	F	12	SD	23760	
			Greengram	F	4	SD	37000	
Kendrapara	Pulses	Greengram	TARM-1	C.S	175	SD	12775	
Kendrapara		Blackgram	PU-19	C.S	30	SD	1950	
Kendrapara	Fruits	Mango	Honey dew	PM	300	Nos.	9000	32
Kendrapara		Banana	Bantala	PM	500	Nos	3750	51
Kendrapara	Vegetables	Chilli	Suprava	PM	10000	Nos	7000	41
Kendrapara		Brinjal	Hajari	PM	10000	Nos	7000	53
Kendrapara		Tomato	BT-12	PM	10000	Nos	7000	98
Kendrapara		Cabbage	Goldstar	PM	5000	Nos	3500	42
Kendrapara		Cauliflower	Snowball	PM	5000	Nos	3500	41
Kendrapara		Pointed gourd	Swarna Aulkik	PM	500	Nos	350	32
Kendrapara		Brocoli		PM	200	Nos	140	46
Kendrapara	Floriculture	Marigold	Ceracole	PM	1000	Nos	1000	71
Kendrapara	Others	Medicinal plant	Alovera	PM	100	Nos	925	15

8.2 Planting Material production

KVK Name	**Major group/class**	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
kendrapara	Planting material	Chilli				Suprava	PM	10000		7000	
kendrapara		Brinjal				Hajari	PM	10000		7000	
kendrapara		Tomato				BT-12	PM	10000		7000	
kendrapara		Cabbage				Goldstar	PM	5000		3500	
kendrapara		Cauliflower				Snowball	PM	5000		3500	
		Pointed gourd				Swarna Alaukik	PM	500	20,000/-	350	
	Fruits	Mango				Honey dew	PM	300		9000	
		Banana				Bantala	PM	500		3750	
	Floriculture	Marigold				Ceracole	PM	1000		1000	
	Others	Medicinal plant				Alovera	PM	100		925	

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	BIOAGENTS				
	BIOFERTILIZERS				
	BIO PESTICIDES				

8.4 Livestock and fisheries production

KVK Name	Name	Details of production	Amount (Rs.)	Remarks

	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Buffalo						
	Sheep and Goat						
Kendrapara	**Poultry**	Colour bird Var. Blackrock, RIR, Banaraja, Kalinga brown	Chicks	800	17110	28200	
Kendrapara	**Duckery**	Khakichambel, White ruller,	chicks	350	8230	10500	
Kendrapara	**Turkey**		chicks	10	2240	3500	
Kendrapara	**Fisheries**	IMC	Spawn to fingerlings	2.93 lakhs fry to fingerlings	31275	76000	
Kendrapara	**Others (Specify) Mushroom**	Volvariella volvalla			2860	5650	
Kendrapara	**Mushroom spawn**				5000	6770	
Kendrapara	**Honey bee**				450	2500	
Kendrapara	**vermicompost**			4qtl	650	2000	

9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

Year of establishment : **- 2005-06**

9.1 Details of soil & water samples analyzed so far(2010) :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized(Rs.)
Kendrapara	Soil Samples	**525**	**450**	**25**	
Kendrapara	Water Samples	-	-	-	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Kendrapara	22.3.12 to 28.3.12	Training on soil water productivity			50	-	50	-	-	-

11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) : 20

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)**
Kendrapara							Farmers temporarily stayed in the hostel

12. Utilization of Staff Quarters facilities

KVK Name	**Year of construction**	**Year of allotment**	**No. of quarters occupied**	**No. of quarters vacant**	**Reasons for vacant quarters, if any**
Kendrapara	2009-10	2010	06	Nil	

13. **Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Kendrapara	5.08.2011	30	1.Bankers have been involved in KVK rural youth & Vocational training. The Extension scientist & Plant protection scientist have been departed for imparting training to SHG in Vocational training institute at Dhuria for providing training to Rural youth 2. In SRI Ranidhan has been undertaken in OFT and yield data has been recorded taking a crop cutting area of 5mtX5mt 3. Soil fertility map of the district taking primary data has been initiated and it will be completed by this year 4. For drudgery reduction of farm women cono weeder gas been undertaken particularly for SRI at Raghudaipur, Derabis 5. Kufri Chandramukhi gas been replaced with Kufri jyoti by the farmers since KVK has not made any instruction on varietal substitution of potato 6. Butachlor herbicide has been replaced with Pretilachlor 7. Hybrid napier has been popularised in Pattamundai blockwith development of dairy entrepreneur

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Kendrapara	32	534		Seed treatment, INM, IPM, IDM

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Kendrapara	ATMA					
	MNREGA					
	NHM					
	RKVY RKVY	State State	1,00,000 6,70,000	FLD Oilseed FLD Pulse Vermiyard, Mushroom spawn unit and poly house	5 ha 5 ha KVK, campus	20 beneficiaries, 20 beneficiaries
	DRDA					
	Zila Panchyat					
	Seed village					
	NAIP					
	Climate Change	Central(CRIDA)	30,00,000	Purchase of small implements for custom hiring centre & purchase of inputs for different agricultural interventions proposed in the village, repairing of farm pond, seed bank etc.	Krushnadaspur, Kendrapara	Project is continuing
	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Kendrapara	30878179008	1,26,000/-	1,85,501/-	1,85,501/-

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Kendrapara	Mrs. Dipika Sahoo SMS (Horticulture)	Best Extension Scientist	OUAT, Bhubaneswar	Nil

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

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

GOLDEN GRASS PRODUCTS
(KVK, KENDRAPARA)

1) Name of the enterprise—Golden Grass
2) Name and complete address of entrepreneur- Name- Smt. Swarnaprava Swain

   At-Jajanga,

   PO-Kapaleswar

   Dist-Kendrapara
3) Interventions of KVK with quantitative data support

Smt Swain came across a couple of vocational trainings of Krishi Vigyan Kendra, Kendrapara designed for farm women. As golden grass (vertiver) is plentily available in low land of the district the scientist got interested in it. Women interested in preparing handicraft were motivated by the scientist for formation of WSHG during the year 2000 and skill oriented training on preparation of golden grass product was imparted to them. They were sensitized about availability of raw material, collection technique, period of harvesting, proper drying, processing, colouring, designing, weaving and marketing of the product. As it is a women friendly vocation, requires little investment and fetches higher income in the market. Members of WSHG were interested to adopt this enterprise. They were given training on preparation of household decorative i.e. different type of tray, cap, dinning mat, door screen, wall hanging, pen stand, mobile stand and glass cover.

4) Technical components in the enterprise-

(i) Inflorescence Stick and (ii) Root of Golden grass (iii) Colouring Material

- Process (Methodology)

Fully matured Inflorescence Stick of the grass is colected in the monthy of August and dried in the sun for 8 days. Roots of the plant are collected in the month of march and April.The sticks are coloured through different colours . Then diffrent products like Cap,Fruit basket, mobile stand,pen stand,Table mat,Pedi,Basket,Door screen and Hand fan are prepared.From the roots mat for summer season are prepared manualy.

- Man power involvement

An woman uses 2 kg stick in a day to prepare different produts.

- Package and handling

After preparation of products, those are stored in a clean dry ventilated room.Then those are sold at market.

- Cost benefit ratio

With the investment of Rs 15000 , the return is Rs 20,00.B :C ratio is1.33.

5) Status of entrepreneur before and after the enterprise

After being trained Smt. Swarnaprava Swain of M**ahavir SHG** has become a master trainer of other SHG of the district and grew herself as an entrepreneur of the said enterprise in 2000. Her trainees belongs both women and rural dropout girls. She has established a society named as "**Silpigram Mahila Samiti".**

6) Present working condition of enterprise in terms of raw material availability, labour availability, consumers preference, marketing the produce etc. parameters (i.e economic viability of the enterprise) .At present 200 women are involved in preparing golden grass products.The products are preferred in the market. annual income is more than Rs. 1,50,000/-. Her dwelling unit is repaired into pucca build up .
7) Horizontal spread of enterprise

About 75 WSHG have been trained by Smt. Swain are engaged in this industry due to her financial assistance. She has taken the entire responsibility of marketing.

8) Licence, advertisements etc on product

Now Smt Swain is exhibiting/ marketing her product at Puri, Konark, Cuttack and different places of State and outside State through the help of DRDA, ORMAS and ORUPA.

9) Recognitions / awards received by the entrepreneur

She has been awarded by KVK, OUAT as well as district level officials. As she is a hard working and enthusiastic lady her ambition is to capture international market of the said enterprise.

19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Kendrapara	District Collector, Kendrapara	May 2011	Celebration Akshya Trutiya
Kendrapara	Dr. S.S. Nanda Dean, Extension Education, OUAT, Bhubaneswar	5th Aug 2011	SAC Meeting
Kendrapara	Mr. Pratap Keshari Dev, MLA, Aul	5th Aug 2011	SAC Meeting
Kendrapara	Mr. Dube Review team NICRA project, Jabalpur	3rd Nov 2011	Review team NICRA project
Kendrapara	Mr. Susanta Mahanty IAS	21st Dec 2011	Review team of RKVY project

	National Consultant and his team member		
	Mr. Nimain Ch. Swain, Ex-DDA Review team of RKVY project	**10th Jan 2012**	Review team of RKVY project
	Mr. Tusar Kanta Mohanty Campaign Officer o/o J.D.A (Information), BBSR	14th March 2012	Andhra Pradesh Agril. Dept. Exposure visit (30 Farmers Visited)

21. Status of KVK Website: Available/Not Available

Available

22. E-CONNECTIVITY

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

2

- Production of paddy straw and oyster mushroom round the year for better income and livelihood.
- With technical guidance of KVK he could able to manage his 800 paddy straw beds during summar & rainy seasons and 500 oyster beds in winter season.
- On an average he spends Rs. 30/- per bed towards raw material & labour and gets nearly Rs.105/- making a profit of Rs.75/- from each bed .
- Marketing of mushroom through KVK support

	Number of Participants	Related crop/livestock technology

	Farm Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg) vermicompost 400kg utilized in OFT program e & FLD programme			
	Bio Fertilizers (q)			
	Distribution of fingerlings (No)			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Mane of KVK	**Crops**	**Area (ha)**	**Number of beneficiaries**
	Oilseeds	202.20	630
	Pulses		
	Cereals		
	Vegetable crops		
	Tuber crops		
	Fruits		
	Spices		
	Cotton		
	Total		

Farmers-scientists interaction on livestock management

Name of KVK	**Livestock components**	**Number of interactions**	**No.of participants**
	Dairy Management	5	119
	Disease management		
	Feed and fodder technology		
	Poultry management		

Animal health camps organised

Name of KVK	Number of camps	No.of animals	No.of farmers
	1	**185**	**52**

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

(e) Bio-Fertilizer

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

(f) Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Kendrapara	Eudrilus euginaea	4	4.8	12

(g) Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Kendrapara	SRI(Ranidhan)	1.0	25
Kendrapara	Water harvesting structure	0.1	25

(h) 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

25. **Status of KVK Website:** Already having website/under construction
If available, please provide the address of website:

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