FORMAT
FOR
ANNUAL PROGRESS REPORT OF THE KVKs
IN
ZONE VII

Contents

REPORTING PERIOD – April, 2011 to Mar, 2012

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement	
		Number of activity	Number of farmers/ beneficiaries	Number of activity	Number of farmers/ beneficiaries
Ganjam	**Total Number of Technologies Assessed/ Refined**				
Ganjam	**Total Number of On-Farm Trials**	15	75	15	75
Ganjam	**FLDs – Oilseeds (activity in ha)**	01	05	01	05
Ganjam	**FLDs – Pulses (activity in ha)**	03	15	03	15
Ganjam	**FLDs – Cotton (activity in ha)**	-	-	-	-
Ganjam	**FLDs – Other than Oilseed and pulse crops(activity in ha)**	10	75	10	75
Ganjam	**FLDs – Other than Crops (activity in no. of Unit/Enterprise)**	09	40	09	40
Ganjam	**Training-Farmers and farm women**	73	1825	73	1825
Ganjam	**Training-Rural youths**	12	180	12	180
Ganjam	**Training- Extension functionaries**	08	80	8	80
Ganjam	**Extension Activities**	612	4100	612	4540
Ganjam	**Seed Production (Number of activity as seeds in quintal)**	200.0	-	206.7	-
Ganjam	**Planting material ((Number of activity as quantity of planting material in quintal)**	4.5	35	4.5	35
Ganjam	**Seedling Production (Number of activity as number of seedlings in numbers)**	8000	22	8000	22
Ganjam	**Sapling Production (Number of activity as number of sapling in numbers)**	2000	38	2000	38
Ganjam	**Other Bio- products (Vermicompost)**	04	32	04	32
Ganjam	**Live stock products (vermiworm in kg)**	20	20	20	20
Ganjam	**SAC Meeting (Date & no. of core/official members**	01	60	01	65
Ganjam	**Newsletters (no.)**	02	1000	02	1000
Ganjam	**Publication (Research papers, popular article)**	05	-	06	
Ganjam	**Convergence programmes / Sponsored programmes**	01	50	01	60
Ganjam	**Outreach of KVK in the District (No. of blocks, no. of villages)**	10		10	
Ganjam	**Soil sample tested**	780	780	602	602

1. GENERAL INFORMATION

1.1. Staff Position

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)
Ganjam	Programme Coordinator (I/C)	Dr. Sutanu Kumar Satapathy	Horticulture	Ph.D	Vegetable	15600-39100 + AGP 6000	19050	4.1.2006	Permanent	Others
Ganjam	Subject Matter Specialist1	Dr. Gitanjali Subudhi	Home Sc.	Ph.D	Home Sc.	15600-39100 + AGP 6000	19050	22.8.2005	Permanent	Others
Ganjam	Subject Matter Specialist2	Prasant Kumar Panda	Pl. Protection	M.Sc(Ag.)	Pathology	15600-39100 + AGP 6000	19050	05.01.2007	Permanent	Others
Ganjam	Subject Matter Specialist3	Debasis Sarangi	Soil Sc.	M.Sc(Ag.)	Soil Science	15600-39100 + AGP 6000	19050	27.7.2009	Permanent	Others
Ganjam	Subject Matter Specialist4	Sidhartha Sankar Das	Fishery Sc.	M.F.Sc.	Pathology & microbiology	15,600-39,100 AGP – 6000	16250	23.09.2009	Permanent	Others
Ganjam	Subject Matter Specialist5	Sangram Paramaguru	Agril. Extension	M.Sc.(Ag. Extn.)	Ag. Extension	15,600-39,100 AGP – 6000	15600	07.04.2010	Permanent	Others
Ganjam	Programme Assistant	Shubhasri Sahoo	Home Sc.	B.Sc. (Home. Sc)		9300-34800 (4200)	11010	9.10.2006	Permanent	Others
Ganjam	Computer Programmer	Sitikantha Mishra	Comp. Sc.	M.Sc(IT)	IT	9300-34800 (4200)	11470	27.6.2008	Permanent	Others
Ganjam	Farm Manager	Sarika Jena	Agronomy	M.Sc(Ag.)	Crop production	9300-34800 (4200)	13500	29.10.2011	Permanent	Others
Ganjam	Accountant / superintendent	Paramananda Behera		B.A		13740 + grade pay 4200	14280	1.1.2005	Permanent	SC
Ganjam	Stenographer	Vacant								
Ganjam	Driver	Gauri Sankar Chaudhury				3050-75-3950-80-4590	3125	28.07.08	Permanent	Others
Ganjam	Driver	Saroj Kumar Biswal				5200-20200 GP – 1900	5870	25.7.2007	Permanent	Others
Ganjam	Supporting staff	Prafulla Ku. Swain					2605	1.08.08	Permanent	Others
Ganjam	Supporting staff	Krushna Chandra Pradhan					2605	28.07.08	Permanent	Others

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

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Basic Information of KVK District (Ganjam)

A.	**Administrative**	
1	***Location*** Longitude Latitude	84^0 9' to 85^0 11' E 19^0 0' to 20^0 17' N
2	***Situation (MSL)*** 1. East & South Eastern Coastal Plain Zone 2. North Eastern Ghat Zone	 27 m 58.4 m
B.	**Census**	
1	Total population 1) Male 2) Female	3136937 1568568 (50% of the total) 1568369
2	Rural population	2598746 (82.84% of total)
3	Urban population	538191 (17.16% of total)
4	Total SC population	561825 (17.91% of total)
5	Total ST population	91912 (2.93% of total)
6	Population density	382/ sq.km.
7	Sex ratio (female/1000 males)	1000
8	Literacy	62.94%
9	Total workers Cultivars	1305588 (41.62% of total population) 322660 (24.71% of total workers)

	Agril. Labourers	501806 (38.43% of total workers)
C.	**Geographical**	
1	Total geographical area	871000 ha
2	Total forest area	315000 ha
3	Total reserve forest area	148569 ha
4	a) East & South Eastern Coastal Plain Zone b) North Eastern Ghat Zone	329000 ha 273000 ha
5	Total cultivated area a) High land b) Medium land c) Low land	393000 ha 184710 ha (47% of cultivated area) 110040 ha (28% of cultivated area) 98250 ha (25% of cultivated area)
6	Total irrigated area	284000 ha
7	***Climate*** a) East & South Eastern Coastal Plain Zone b) North Eastern Ghat Zone	 Subtropical, hot & humid Hot, moist & subhumid
8	***Temperature*** a) Maximum b) Minimum	 34^0 C 18.9^0 C
9	***Normal rainfall***	1295.6 mm
	a) East & South Eastern Coastal Plain Zone b) North Eastern Ghat Zone	1340 mm 1597 mm
10	Patterns of land utilization a) Total forest area b) Miscellaneous trees & groves	(Thousand ha.) 315 22

	c) Permanent pasture d) Culturable waste e) Land put to non-agril. Use f) Barren & unculturable land g) Other fallow h) Net area sown	20 11 60 37 13 393
11	***Soil type*** a) Alluvial soil b) Laterite soil c) Black cotton soil	 Eastern part – Coastal region Western part – Hilly table land Central part – a small patch
	a) East & South Eastern Coastal Plain Zone i) Alluvial soil ii) Red soil iii) Saline soil b) North Eastern Ghat Zone i) Alluvial soil ii) Red soil iii) Black cotton soil	 71000 ha 232000 ha 26000 ha 103000 ha 127000 ha 43000 ha
12	Rivers	Rushikulya, Badanadi, Bahuda, Ghodahada, Dhanei, Baghua
13	Chilka lake	Brackish water lake in North East Coast of the district
D.	**Agricultural**	
1	No. of AAO/ JAO circle	44

2	No. of VAW circle	311	
3	Total cultivated area	393000 ha	
4	Total paddy area	248887 ha (63.33% of cultivated area)	
5	No. of farm families a) Marginal farmer (<1 ha) b) Small farmer (1-2 ha) c) Semi-medium farmer (2-4 ha) d) Medium farmer (4-10 ha) e) Large farmer (>10 ha)	 228800 64500 29700 7600 600	
6	Cropping intensity	153%	
7	Total irrigated area	284000 ha	
	Source of irrigation	**Kharif (ha)**	**Rabi (ha)**
	a. Medium irrigation project	123000	9000
	b. Minor irrigated project	98000	7000
	c. Minor LIPs	23000	14000
	d. Dug-wells & energized dug-wells	13000	4000
	e. Others	27000	6000
8	Important crops	Paddy, maize, ragi, greengram, blackgram, groundnut, vegetables, sugarcane, chilly, ginger, cotton	
9	Consumption of chemical fertilizer a) N b) P c) K	 22627 thousand MT 3516 thousand MT 3674 thousand MT	

	d) Total	29817 thousand MT
10	***Fishery resources***	
	Fresh water – reservoir	6400 ha
	Canal	3065.1 ha
	Tanks & ponds	27794.39 ha
	Brackish water	Chilka Lake
	Marine (Coast length)	60 km.
11	***Total fish production***	22452.48 MT
	a) Fresh water	14170.25 MT
	b) Marine	6778.00 MT
	c) Brackish water	1504.23 MT
12	***Fishermen population***	
	a) Inland	93686
	b) Marine	43889
13	***Livestock population***	(in lakhs)
	a) Cattle	9.73
	b) Buffalo	1.43
	c) Sheep	1.46
	d) Goat	2.18
	e) Pig	0.14
	f) Poultry	14.37
14	Total milk production	64.55 thousand MT
15	Total egg production	1624.84 million numbers
16	Total meat production	2311 MT

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Ganjam	Burujhola	2009	Buguda	40km	472	172
Ganjam	Halandakhola	2009	Bhanjanagar	25km	572	240
Ganjam	Gochha	2009	Sorada	60km	413	200
Ganjam	Dalak	2009	Belaguntha	23km	256	130
Ganjam	Chopra	2009	Jagannathaprasad	25km	1225	315
Ganjam	K.Bhereda	2011	Jagannathaprasad	10km	212	172

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

KVK Name	THRUST AREA
Ganjam	Varietal replacement of Swarna with Pratikshya, var. diversification Karpurakranti (improved scented), organic rice cultivation for higher market price & to avoid distress sale. Increasing productivity by varietals replacement & method of sowing/planting and correction of micronutrient deficiency with green manuring.
Ganjam	Yield maximization through pit method of planting , growing red rot resistant var. like COA 89084, Uttara, Saraju, etc. and release of egg parasite Trichograma for control of ESB, Gur making.
Ganjam	Phosphorus management of Rice-Pulse system, control of wild lathyrus, growing cold tolerant var. in Rice-Pulse system like TARM-1, PU-30,OBGG-52,Prasad, etc.
Ganjam	Increase yield & oil content by adopting of var. like Smruti, TMV-2, Devi, TAG-24 in groundnut, introduction of export quality white seeded sesamum var. GT-2 and improved var. Amrit, growing hyb. Sunflower in rice-oilseed cropping system.
Ganjam	Growing fodder crop cereals+legumes, Rabi season fodder crops like oat, berseam, lusern, etc. for round the year fodder availability.
Ganjam	Hyb. Va. Resistant of pest & disease & suitable for harvesting for longer period, correction of boron deficiency, application of vermicompost, bio intensive IPM schedule for pest control
Ganjam	Bio intensive integrated wilt management, bio intensive IPM for fruit & shoot borer
Ganjam	Introduction of EFY var. Gajendra, replacement of yam var. with Hati khojia, increase area under sweet potato var. Gouri to meet the vitamin A deficiency of poor people
Ganjam	Growing suitable var. for processing & regular bearing, control of mango hopper
Ganjam	Growing semi-dwarf var., control of Eridophyte mite in a massive way. Control of fruit drop, vermicomposting of coir peeth, use of coconut shell material for gun material
Ganjam	Growing var. with high % of female plants like Co-7, Koorg honey dew, extraction of papain

Ganjam	Introduction of tissue culture banana. Control of panama wilt, fiber extraction from the leaves & pseudo stem.
Ganjam	Growing good var. like Allahbad safeda, Lucknow-59, debloosming during rainy season, control of wilt disease
Ganjam	Growing short duration hyb. To avoid flowering & fruiting during hot months, control of Tea mosquito.
Ganjam	Integrated fish farming system, dockery in fish pond, value addition of marine fish, pond plankton management, mixed farming of fish and prawn
Ganjam	Late heat management of heifer, up gradation of desi cow through A.I, vaccination with health camp, Azolla as fodder
Ganjam	Up gradation with improved buck, buck exchange in herds, control of pox, pipia through vaccination, control kid mortality
Ganjam	Popularization of dual purpose bird Banaraja, poultry vaccination to prevent diseases
Ganjam	Availability of low farm implements like manual rotary transplanter, double row rotary weeder, pit maker for sugarcane, development of power operated multi purpose intercultural equipment
Ganjam	Cultivation of medicinal plants like Bramhi, Bachcha, Sarpagandha, etc.
Ganjam	Growing long staple hyb. Like Bunny, Sabitha, practice of low cost bio intensive IPM schedule
Ganjam	Development of pond based farming systems, value addition & post harvest operation, mixed fish farming, F.W prawn culture, air breathing & ornamental fishery

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

KVK Name	Problem identified	Methods of problem identification
Ganjam	**Paddy :** low yield, distress sale, deterioration of soil productivity, pest problem	PRA, Group discussion
Ganjam	**Ragi :** Low yield from existing variety.	PRA, Diagnostic visit
Ganjam	**Groundnut :** Fungal wilt, low yield	PRA, farmer scientist interaction
Ganjam	**Green gram :** Low yield to wild lathyrus	PRA Diagnostic visit
Ganjam	**Papaya :** Low yield from local tall variety	PRA, Diagnostic visit
Ganjam	**Elephant Foot Yam :** nonuse of waste land	PRA, farmer scientist interaction
Ganjam	**Brinjal, Cow pea, Ginger, Tomato, Drumstick,Cauliflower :** Low yield	PRA, farmer scientist interaction
Ganjam	**Bittergourd :** Low yield lack of management of fruit fly	PRA, farmer scientist interaction
Ganjam	**Brinjal :** Fruit and shoot borer	PRA, Group discussion
Ganjam	**Potato :** Low yield and cracking due to B deficiency	PRA, Group discussion
Ganjam	**Low income of farm women :**	PRA, Group discussion
Ganjam	**Cattle :** Low milk yield, low production due to gastro intestinal worms, no of estrus per conception is high	PRA, Group discussion
Ganjam	**Goat :** Mange	PRA, Group discussion
Ganjam	**Backyard poultry :** Low income due to local poultry	PRA, Group discussion
Ganjam	**Fish :** Traditional method of culture, seasonal ponds	PRA, Group discussion

2. OFT (April 2011 to Mar, 2012)

2.1 Basic information of the Technology taken by the KVK

KVK name	Year	Season	Category of technology (**Assessment / Refinement**)	OFT on crop/ Enterprise	Title of OFT	OFT ID* (to be created by the KVK)	Name of Crop/ Enterprise	No of trials		Area (ha)		Status of the OFT (Completed/ Continued/ Result awaited
								Targeted	Achieved	Targeted	Achieved	
Ganjam	2011	Kharif	Assessment	IPM	Assessment of fruit &shoot borer in Brinjal	GAN1112KPP1	Brinjal	5	5	1.0	1.0	Completed
Ganjam	2011	Kharif	Assessment	Varietal evaluation	Assessment of hybrids rice var. Ajaya	GAN1112KPP2	paddy	5	5	1.0	1.0	Completed
Ganjam	2011	Kharif	Assessment	Varital evaluation	Assessment of HYV of turmeric Roma	GAN1112KHORT3	Ginger	10	10	1.0	1.0	Completed
Ganjam	2011	Kharif	Assessment	INM	Assessment of phosphogypsum in cowpea	GAN1112KSS4	cowpea	5	5	0.4	0.4	Completed
Ganjam	2011	Kharif	Assessment	INM	Assessment of maize yield by application of lime in acid soil	GAN1112KSS5	Maize	5	5	1.0	1.0	Completed
Ganjam	2011	Kharif	Assessment	Varital evaluation	Assessment of Ragi variety	GAN1112KSS6	Ragi	5	5	1.0	1.0	Completed
Ganjam	2011	Kharif	Assessment	Varital evaluation	Assessment of cow pea variety Utkal Manika	GAN10KHORT7	cowpea	5	5	0.4	0.4	Completed
Ganjam	2011	Kharif	Assessment	Production and Management	Assessment of fish yield through pond plankton management	GAN10KFIS8	Fish	6	6	3.2	3.2	Completed
Ganjam	2011	Kharif	Assessment	Evaluation of Breeds	Assessment of fish yield by introduction of yearling stocking	GAN10KFIS9	Fish	5	5	2.25	2.25	Completed
Ganjam	2011	Kharif	Assessment	Small Scale income generating enterprises	Assessment of chemical control of algal blooms in fish ponds	GAN1112KFIS10	Fish	4	4	1.5	1.5	
Ganjam	2011	Kharif	Assessment	Drudgery reduction	Assessment of tubular maize Sheller	GAN10KHS11	Maize	5	5			Completed
Ganjam	2011-12	Rabi	Assessment	Drudgery reduction	Assessment of hand ridger for drudgery reduction	GAN10RHS12	Paddy	5	5	0.4	0.4	Completed
Ganjam	2011-12	Rabi	Assessment	INM	Assessment of boron	GAN10RHORT13	Cauliflower	5	5	1.0	1.0	Completed

					application in cauliflower							
Ganjam	2011	Kharif	Assessment	IPM	Assessment of management of stem borer in paddy	GAN10KPP14	Paddy	5	5	1.0	1.0	Completed
Ganjam	2011-12	Rabi	Assessment	Small Scale income generating enterprises	Assessment of low cost poly house technology for paddy straw mushroom cultivation in winter	GAN10RHS15	Mushroom	3	3	0.04	0.04	Completed

*** KVK+ Year + Season+ Discipline & Code**

2.2 Details of Problems taken as OFT by the KVK

KVK name	OFT ID	Problem diagnose	Thematic area	Farmers' practice (T_1)	Farming situation				Total Area of the district (in ha) affected by the problem	Name of the block(s) under KVK where the problem occurs
					Soil type	Irrigation	Type of Cultivation (Low land/ Mid land/ Up land	Cropping system		
Ganjam	GAN1112KPP1	Fruit & shoot borer attack in Brinjal is a serious problem causing low yield and less market price of fruit	IPM	Application of unsuitable chemicals	Sandy loam	Rainfed	upland	Vegetable-vegetable	100ha	Jagannathprasad, Bhanjanagar, Buguda, Sorada
Ganjam	GAN1112KPP2	Low yield in HYV due to pest and disease incidence	Varietal evaluation	Local practice (var. Swarna)	Sandy loam	Rainfed	Medium land	Rice-pulse	200ha	Jagannathprasad, Bhanjanagar, Buguda, Sorada, Aska
Ganjam	GAN1112KHORT3	Low yield from local var.	Varietal evaluation	Local variety	Sandy clay loam	Rainfed	Medium land	Vegetable-vegetable	10ha	Jagannathprasad, Bhanjanagar
Ganjam	GAN1112KSS4	Deficiency of Sulphur leads to low yield in red laterite soils	INM	No sulphur application in sulphur deficient areas	Sandy loam	Rainfed	Upland	Vegetable-vegetable	450ha	Belaguntha, Jagannathprasad, Bhanjanagar, Buguda,
Ganjam	GAN1112KSS5	Low yield due to acidic soil	INM	Acid soil	Sandy loam	Rain-fed	Upland	Cereal-pulse	100ha	Buguda Jagannathprasad, Bhanjanagar
Ganjam	GAN1112KSS6	Low yield from presently adopted variety	Varietal evaluation	Local variety	Sandy loam	Rainfed	Upland	Cereal-pulse	120ha	Jagannathprasad, Bhanjanagar, Aska
Ganjam	GAN10KHORT 7	Low yield & production is season bound	Varietal evaluation	Local variety	Sandy loam	Rainfed	Upland	Vegetable-vegetable	10ha	Bhanjanagara, Sorada
Ganjam	GAN10KFIS8	Low yield due to less plankton, improper	Production and	Application of raw cow dung	Sandy clay	Rainfed	Lowland	-	5.0ha	Belaguntha, Bhanjanagar

		pond management	managemen t							
Ganjam	GAN10KFIS9	Low yield due to improper species and size selection	Production and managemen t	Stocking of fry of IMC	Sandy loam	Rainfed	Low land	-	5.0ha	Belaguntha,Buguda
Ganjam	GAN1112KFIS10	Low fish yield due to persistent algal bloom and algal mat cover on the pond water surface	Small Scale income generating enterprises	Application of lime to remove algal blooms	Sandy loam	Rainfed	Low land	-	5.0ha	Belaguntha, Bhanjanagar
Ganjam	GAN10KHS11	Shelling by hand is painful and time consuming	Drudgery reduction	Shelling by hand	-	-	-	-		Dalak
Ganjam	GAN10RHS12	High drudgery with the use of locally available implements by farm women	Drudgery reduction	Manual ridging	-	Irrigated	Med land	Paddy-vegetable	12.0ha	Bhanjanagar, Belaguntha, Buguda
Ganjam	GAN10RHORT13	Low yield and head size due to micronutrient deficiency	INM	No use of micronutrient	Sandy loam	Irrigated	Med land	Paddy-vegetable	18.0ha	Bhanjanagar, Belaguntha, Buguda, Sorada
Ganjam	GAN10KPP14	Low yield due to incidence dead heart	IPM	Improper pest management	Sandy loam	Irrigated	Med land	Paddy-vegetable	175ha	Bhanjanagar, Belaguntha, Buguda, Sorada
Ganjam	GAN10RHS15	Difficult to produce paddy straw mushroom in winter season	Small Scale income generating enterprises	Cultivation of paddy straw open shady area	-	-	Homestead	Mushroom	220beds	Bhanjanagar, Belaguntha, Buguda

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

KVK Name	OFT ID No	Details of technology selected (T_2)	Source of technology	Year of release of technology	If refinement in the technology, give details of refinement over recommended practices (T_3)
Ganjam	GAN1112KPP1	IPM package (Debris burning & introduction of pheromone trap, tricocard and specific chemical application)	OUAT	-	
Ganjam	GAN1112KPP2	Long slender grain, non scented, 135 days duration, yield potentiality 5 to 6 tonnes/ha	CRRI	2005	
Ganjam	GAN1112KHORT3	Varietal evaluation	OUAT	-	
Ganjam	GAN1112KSS4	Phosphogypsum is low cost.	OUAT		

		It helps to make available of P,Ca & S and there by increasing the yield			
Ganjam	GAN1112KSS5	Application of lime @0.20 LR	OUAT		
Ganjam	GAN1112KSS6	High yielding variety Bhairavi/Chilika	OUAT		
Ganjam	GAN10KHORT7	Fruit long green & fleshy. Matures in 50-55 days moderately tolerant to YMV, Av.Yield-59.7qt/ha	OUAT		
Ganjam	GAN10KFIS8	Application of fermented mixture of groundnut oilcake @ 50kg/acre + sugarcane iggery @ 25kg/acre + yeast 10-15 gms/acre	Directorate of fisheries, Cuttack, Odisha	2005	
Ganjam	GAN10KFIS9	Stocking of mixed fish yearlings @ 3000/ha with sound pond management	CIFA	2004	
Ganjam	GAN1112KFIS10	Application of CuSO4 - 0.5 ppm	CIFA	2002	
Ganjam	GAN10KHS11	Shelling by tubular maize Sheller	CIAE, Bhopal		
Ganjam	GAN10RHS12	Ridging with hand ridger	CIAE, Bhopal		
Ganjam	GAN10RHORT13	Spraying of Borax@0.3% at 30 and 45 DAP	OUAT,	2003	
Ganjam	GAN10KPP14	Introduction of pheromone trap, tricocard and specific chemical application	OUAT	2002	
Ganjam	GAN10RHS15	Paddy straw mushroom cultivation under low cost poly house technology	Precision farming, OUAT	2002	

2.4 Performance of the technology for assessment/refinement

A. Production

KVK Name	OFT ID	Main Products				Bye- Product			
		Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Ganjam	GAN1112KPP1	q/ha	172	264	-			-	-
Ganjam	GAN1112KPP2	q/ha	36.4	56.2					
Ganjam	GAN1112KHORT 3	q/ha	39.0	72.0					
Ganjam	GAN1112KSS4	q/ha	52.5	63.1	-			-	-
Ganjam	GAN1112KSS5	q/ha	34.5	48.2					
Ganjam	GAN1112KSS6	q/ha	11.3	13.8					
Ganjam	GAN10KHORT7	q/ha	49.2	65.2	-			-	-
Ganjam	GAN10KFIS8	q/ha	16.5	24.7					
Ganjam	GAN10KFIS9	q/ha	15.5	26.75					
Ganjam	GAN1112KFIS10	q/ha	15.5	20.8					
Ganjam	GAN10KHS11	Kg/hr	3.4	23.0					
Ganjam	GAN10RHS12	M^2/hr	90	310					
Ganjam	GAN10RHORT13	q/ha	128	192					
Ganjam	GAN10KPP14	q/ha	32.4	41.2					
Ganjam	GAN10RHS15	Kg/bed	0.6	1.4					

B. Parameters

KVK Name	OFT ID	Observations taken on parameter 1					Observations taken on parameter 1I				
		Parameter name	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Parameter name	Unit of measurement	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Ganjam	GAN1112KPP1	Plants affected	%	17	04	-			Continuing	-	-
Ganjam	GAN1112KPP2	No. of tillers/hill	No.	17 14	29 02	-			continuing	-	

		No. of insects/hill/M^2									
Ganjam	GAN1112KHORT3	Plant height	Cm	96	**136**		-	-	-	-	-
Ganjam	GAN1112KSS4	No. of pod/plant	No.	13.2	18.6						
Ganjam	GAN1112KSS5	Rows/cub	No.	9.4	13.2		pH increase	%	4	19	
Ganjam	GAN1112KSS6	Fingers/panicle	No.	6.4	9.6						
Ganjam	GAN10KHORT7	No. of pod/plant	No.	11.4	14.6	-					
Ganjam	GAN10KFIS8	Plankton population	Ml	0.75	2.4						
Ganjam	GAN10KFIS9	Avg. Fish wt.	Gm.	475	875						
Ganjam	GAN1112KFIS10	Bloom control			78%						
Ganjam	GAN10KHS11	Shelling capacity	Kg/hr	3.4	23.0						
Ganjam	GAN10RHS12	Ridging capacity	M^2/hr	90	310						
Ganjam	GAN10RHORT13	Curd wt.	Gm	450	960						
Ganjam	GAN10KPP14	Dead heart	%	12.2	2.1						
Ganjam	GAN10RHS15	Mushroom/bed	No.	11	34						

C. Economic Performance

KVK name	OFT ID	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)	Farmer's Practice (T_1)	Recommended Practice (T_2)	Refined Practice, if any (T_3)
Ganjam	GAN1112KPP1	48500	62200		86000	132000		37500	69800		1.77	2.12	-
Ganjam	GAN1112KPP2	17500	24300		36400	98200		18900	31900		2.08	2.31	
Ganjam	GAN1112KHORT3	34000	46500		62400	115200		28400	68700		1.83	2.48	
Ganjam	GAN1112KSS4	28300	31800		47250	56790		18950	24990		1.67	1.78	-
Ganjam	GAN1112KSS5	17000	18000		30360	39256		13360	21256		1.78	2.18	
Ganjam	GAN1112KSS6	7200	8400		11300	13800		4100	5400		1.55	1.64	
Ganjam	GAN10KHORT7	17000	20100		44280	58680		27280	38580		2.60	2.92	-
Ganjam	GAN10KFIS8	31200	44600		70000	130000		38800	85600		1.4	1.9	
Ganjam	GAN10KFIS9	32400	47000		62500	144000		30100	97000		1.67	2.44	
Ganjam	GAN1112KFIS10	31500	42000		58000	122000		26500	80000		1.84	2.90	
Ganjam	GAN10KHS11	-	-		-	-		-	-		-	-	
Ganjam	GAN10RHS12	-	-		-	-		-	-		-	-	
Ganjam	GAN10RHORT13	34000	48000		89600	134400		55600	86400		2.63	2.80	
Ganjam	GAN10KPP14	18500	22100		32400	41200		13900	19100		1.75	1.86	
Ganjam	GAN10RHS15	30	45		48	112		18	67		1.6	2.49	

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Ganjam	1. By adopting IPM practices in brinjal yield was increased 35% as compare to local practice. 2. By cultivating new paddy hybrid var. ajaya yield was increased 54%. 3. By cultivating improved turmeric var. roma yield was increased 85%. 4. By application of phosphogypsum in cowpea the yield was increased 20%. 5. By application of lime in acid soil the maize yield was increased 19%. 6. By cultivating improved Ragi var. Chilika yield was increased 22%.

	7. By cultivating improved cowpea var. Utkal manika yield was increased 32%. 8. By management of pond plankton the yield was increased 86%. 9. By management of yearling stocking the yield was increased 130%. 10. By management of algal bloom the yield was increased 110%. 11. By using maize sheller the shelling capacity increased by 576% 12. By adopting hand ridger the ridging capacity increased by 244%. 13. By application of Boron in cauliflower the yield was increased 50% 14. Management of stem borer in paddy increased the yield by 27%. 15. By cultivating mushroom in polyhouse in winter the yield/bed increased by 133%

3. Achievements of Frontline Demonstrations (conducted during 1-04-2011 to 31-03-2012)

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

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Ganjam	Sugarcane	To increase the cane yield & profit of sugarcane crop	Pit method of sugarcane cultivation	Farmers' Field School Field Day	115	575	800
Ganjam	Sugarcane	To control the red rot of sugarcane	Resistant var.	Seed production, demonstration, transportation subsidy	100	500	500
Ganjam	Sugarcane	Control of early shoot borer of sugarcane	Release of parasite *T. chinonis*	Production of parasite & site delivery demonstration training	100	500	500
Ganjam	Paddy	To check distress sale of paddy	Superfine rice var. JGL-384	Seed village, demonstration, field day	110	350	350
Ganjam	Paddy	Substitute of popular var. MTU-7029 which	Newly released resistant var. Pratikshya	Farmers' field school, demonstration, field day	350	650	1000

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
		is affected with disease complex					
Ganjam	Paddy	To increase the yield level of paddy	SRI method of rice cultivation	Farmers' field school, demonstration, field day	150	500	250
Ganjam	Paddy	To reduce the cost of cultivation of paddy	Use of zig-zag puddler	Train the farmers on production, repair & maintenance & demonstration	50	175	900
Ganjam	Paddy	Wilt management of solanacious crops	Use of plant products in wilt management	Training, demonstration	25	120	200
Ganjam	Paddy	Pest control of cotton	Bio intensive IPM	Farmers field school	60	300	300
Ganjam	Paddy	To increase the yield of pulses under rice-pulse system	Phosphorus management (all P_2O_5 of the system of rice crop)	Demonstration	30	300	500
Ganjam	Tomato	To increase the yield of pulses under rice-pulse system	Cold tolerant green gram var. TARM-1	Seed production, demonstration, field day	60	650	1400
Ganjam	Cotton	To increase yield of groundnut	Suitable high yielding var. Smruti	Seed production, demonstration, field day	50	600	500
Ganjam	Rice-pulse	To increase yield of groundnut	INM on groundnut	Demonstration, field day	30	150	250
Ganjam	EFY	Varietal evaluation	Use of non-acrid EFY var. Gajendra	Demonstration, training	20	200	10
Ganjam	Hybrid Papaya	Varietal evaluation	Use of dwarf hybrid var. Manzil	Demonstration, training	20	100	10
Ganjam	Ginger	Varietal evaluation	Use of HYV Suprava	Demonstration, training	5	50	5
Ganjam	Pulse	Varietal evaluation	Cold tolerant green gram var. TARM-1	Seed production, demonstration, field day	60	350	2000
Ganjam	Groundnut	Varietal evaluation	Suitable high yielding var. Smruti	Seed production, demonstration, field day	50	600	500
Ganjam	Groundnut	INM	INM on groundnut	Demonstration, field day	30	150	250
Ganjam	Cauliflower	Drudgery reduction	Use of hand ridger	Demonstration, training	30	45	75
Ganjam	Groundnut	Drudgery reduction	use of groundnut decorticator for drudgery reduction	Demonstration, training	22	48	50
Ganjam	Paddy	Integrated crop					

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
		management					

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/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	Varietal evaluation	Paddy	Kharif, 2011	Var. Geetanjali with fertilizer dose of 60:30:30 of NPK/ha & bio intensive IPM schedule	1.0	Geetanjali	34.5	20.6	67	03	-	-	02	05
Ganjam	Integrated crop management	Paddy	Kharif,2011	SRI method of planting of 12 days old seedling at a spcing of 25 x 25 cm	10.0	Prati-kshya	56.6	40.4	40	05	-	03	13	25
Ganjam	Varietal evaluation	Paddy	Kharif,2011	Growing hybrid variety Rajalaxmi with 100:50:50 NPK / ha	1.0	Rajalaxmi	53.5	36.5	46.5	-	-	01	04	05

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	IPM	Paddy	Kharif,2011	Variety pratikshya with fertilizer dose of 80:40:40 of NPK with bio intensive IPM schedule	2.0	Pratikshya	43.5	34.0	28	02	-	02	05	09
Ganjam	weed management	Greengram	Rabi,2011-12	Use of herbicide as pre-emergence application	2.0	TARM-1	7.2	4.1	76				05	05
Ganjam	Varietal evaluation	Brinjal	Kharif,2011	Growing Utkal Anushri at a spacing of 75x60 cm with fertilizer dose of 125:80:100 of NPK/ha and under bio intensive IPM schedule	2.0	U. Anusree	242	172	41	02	-	04	06	12
Ganjam	Varietal evaluation	Papaya	Kharif,2011	Cultivation of dwarf papaya with scientific technology	2.0	Manzil	460	315	47	03	04	03	10	20

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	Varietal evaluation	EFY	Kharif,2011	Growing Elephant foot yam var. Gajendra at a spacing of 3′, tuber size 150 gms	1.0	Gajendra	234	122	92	06	04	05	10	25
Ganjam	Varietal evaluation	Tomato	Rabi,2010	Growing BT-12 variety for high yield and can be used canning purpose due to high T.S.S content	2.0	BT-12	272	206	32	04	01	06	14	25
Ganjam	Varietal evaluation	Drumstick	Kharif,2011	Cultivation of Hybrid PKM-1 with scientific technology	0.4	PKM-1	375	225	67	2		3	5	10
Ganjam	Varietal evaluation	Green gram	Rabi, 2011-12	Cultivation of Hybrid TARM-1 with scientific technology	2.0	TARM-1	7.8	4.6	69				05	05
Ganjam	Varietal evaluation	Black gram	Rabi, 2011-12	Cultivation of Hybrid PU-31 with scientific technology	2.0	PU-31	6.8	4.2	62				05	05

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	Small scale enterprise	Kitchen garden	Kharif	Use of improved variety with crop rotation pattern	0.03	Improved variety	333	145	129.65	-	-	03	-	03
Ganjam	Mushroom production	Mushroom	Kharif	sterilization, bed preparation, after care	100beds	Volvarila volvacea	1.566 kg/bed	0.75kg/bed	108.8	-	-	05	-	05
Ganjam	Mushroom production	Mushroom	Rabi	sterilization, bag preparation, after care	75bags	Pleurotus sajarcaju	2.108 kg/bag	1.03kg/bag	104.66			05	-	05
Ganjam	Drudgery reduction	Paddy	kharif	Use of fertilizer broadcastor for broadcasting fertilizer			1.21ha.hr	0.31ha/hr	290.3	-	-	-	06	06
Ganjam	Drudgery reduction	Groundnut	Rabi	Use of groundnut decorticator for decortication of groundnut	1qnt		39.76 kg/hr	1.52kg/hr	2515	-	-	-	05	05
Ganjam	Small scale enterprises	Honey bee	Rabi, 2011-12	Providing artificial diet in summer season (sugar:water = 1:2)	5 boxes	Apis cerenaindica	Continuing			03	-	-	02	05
Ganjam	Composite pisciculture	Livestock	Kharif & Rabi 2011-12		1.4	IMC, GC, CC	28.5	18.5	65.18	01	-	05	05	11

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	Production & management	Livestock	Kharif & Rabi 2011-12		1.35	IMC, GC, CC, tissue culture banana, Manzil, PKM-, Duck (desi)	24.3 Papaya-475kg, Banana-42bunch, Drumstick-65kg, Duck meat – 60kg (Continuing) Misc. veg – 60kg	13.9	52.83	-	-	-	05	05
Ganjam	Composite pisciculture	Livestock	Kharif & Rabi 2011-12	Feeding with mixture of GNOC, RB(1:1) & vit-min (2%) @ 2-5% of fish body wt.	1.4	Fish, IMC	22.5	16.5	36.36	-	-	-	05	05

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/Ent-reprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Ganjam	Production & management		Rabi 2011-12	Application of CIFAX @ 1lt/ha-meter water area in two split doses before and after the onset of diseased condition	0.4	IMC, GC, CC	22.6	16.8	34.52	-	-	-	05	05
Ganjam	Varietal evaluation	Groundnut	Kharif,2011	Seed fertilizer, seed treatment, weedicide, culture, training	05	Kad-eri-6	14.5	9.2	58	-	-	02	08	10

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

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

3.3 Economic 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
Ganjam	Paddy	Var. Geetanjali with fertilizer dose of 60:30:30 of NPK/ha & bio intensive IPM schedule	Yield - q/ha	34.5	20.6	17320	15000	34500	20600	15180	5600	1.8	1.3
Ganjam	Paddy	SRI method of planting of 12 days old seedling at a spcing of 25 x 25 cm	Yield- q/ha	56.6	40.4	21500	19500	56600	40400	46500	20900	301	2.0
Ganjam	Paddy	Growing hybrid variety Rajalaxmi with 100:50:50 NPK / ha	Yield- q/ha	53.5	36.5	22400	18534	53500	36500	43600	17966	2.9	1.97

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
Ganjam	Paddy	Variety pratikshya with fertilizer dose of 80:40:40 of NPK with bio intensive IPM schedule	Yield-q/ha	43.5	34.0	19500	18400	43500	34000	24000	15600	2.23	1.84
Ganjam	Greengram	Use of herbicide as pre-emergence application	Yield-q/ha	7.2	4.1	11000	7000	21600	12300	11600	5300	1.96	1.76

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
Ganjam	Brinjal	Growing Utkal Anushri at a spacing of 75x60 cm with fertilizer dose of 125:80:100 of NPK/ha and under bio intensive IPM schedule	Yield-q/ha	242	172	53000	47000	121000	86000	68000	21000	2.28	1.83
Ganjam	Papaya	Cultivation of dwarf papaya with scientific technology	Yield-q/ha	460	315	72500	56000	126000	94500	53500	38500	1.74	1.69

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
Ganjam	EFY	Growing Elephant foot yam var. Gajendra at a spacing of 3′, tuber size 150 gms	Yield-q/ha	234	122	42500	32400	163800	85400	121300	53000	3.85	2.63
Ganjam	Tomato	Growing BT-12 variety for high yield and can be used canning purpose due to high T.S.S content	Yield-q/ha	272	206	47500	39200	136000	103000	88500	63800	2.86	2.63
Ganjam	Drumstick	Cultivation of Hybrid PKM-1 with scientific technology	Yield-q/ha	375	225	84500	57000	262500	157500	178000	100500	3.18	2.77

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
Ganjam	Green gram	Cultivation of Hybrid TARM-1 with scientific technology		7.8	4.6	8500	5200	23400	13800	14900	8600	2.75	2.65
Ganjam	Black gram	Cultivation of Hybrid PU-31 with scientific technology		6.8	4.2	8100	5400	20400	12600	12300	7200	2.52	2.3
Ganajm	Kitchen garden	Use of improved variety with crop rotation pattern	Kg	333	145	250000	144000	333000	145000	80000	1000	1.332	0.99
Ganajm	Mushroom (V.V)	sterilization, bed preparation, after care	Kg/bed	1.566kg/bed	0.75kg/bed	Rs./40per bed	35/- per bed	Rs.93.96/bed	45/- per bed	Rs.53.96/bed	Rs.10/bed	2.349	1.29
Ganajm	Mushroom (P.sajarcaju)	sterilization, bag preparation, after care	Kg/bed	2.108kg/bag	1.03kg/bag	Rs30/bed	Rs.26/bed	Rs105.40/bed	Rs.51.50/ bed	Rs.75.4kg/bed	Rs.25.5kg/bed	3.51	1.98

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
Ganjam	Paddy	Fertilizer broadcastor for drudgery reduction	ha/hr	1.21ha.hr	0.31ha/hr	-	-	-	-	-	-	-	-
Ganjam	Groundnut	Groundnut Decorticator for drudgery reduction	Efficiency – kg/hr	39.76kg/hr	1.52kg/hr	Rs.2038/q	Rs.2800/q	2800	2900	762	100	1.37	1.03
Ganjam	Honey bee			Continuing									
Ganjam	Fish		Yield – t/ha	28.5	18.5	49500	33500	145800	83400	96300	49900	2.94	2.49
Ganjam	Fish		Yield – t/ha	24.3 Papaya-475kg, Banana-42bunch, Drumstick-65kg, Duck meat – 60kg (Continuing) Misc. veg – 60kg	13.9	62000	27500	157000	47000	95000	19500	2.53	1.70

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
Ganjam	Fish	Feeding with mixture of GNOC, RB(1:1) & vit-min (2%) @ 2-5% of fish body wt.	Yield – t/ha	22.5	16.5	64500	34200	141000	67200	76500	33000	2.19	1.96
	Fish	Application of CIFAX @ 1lt/ha-meter water area in two split doses before and after the onset of diseased condition	Yield – t/ha	22.6	16.8	63100	37000	135600	70800	62500	33800	2.14	1.91
Ganjam	Groundnut	Seed fertilizer, seed treatment, weedicide, culture, training	Yield – q/ha	14.5	9.2	24500	20800	58000	36800	33500	16000	2.37	1.76

3.4 Feedback of the Farmers

Name of KVK	Feedback
Ganjam	1. When the farmers given training on SRI method of rice planting they thought it is not possible & it is also lab. Intensive. But after demonstration which they process & performance over satisfied with the process & performance. Large number f farmers are visiting to the demonstration plot only by hearing the performance of the others. This shows the popularity of the variety for further spread in the district. **2.** The improved scented var. Geetanjali gives high yield over our local var. Kalajira. It has all good qualities & can be grown on commercial basis. **3.** The elephant foot yam var. Gajendra will be a viable crop under unbounded upland. Most of the farmers is known about the cooking quality. Since most of the young chaffs are working at Surat where it is popularly eaten. It is non acridic & high yield potential than more than the yam. But soft yellow rot needs to be controlled by seed treatment. **4.** Good quality compost fetches higher market price. The worms have good market demand Rs.500/kg. 5. Tomato variety BT-10 is high yielding variety and less susceptible to disease. 6. Drumstick var. PKM-1 give higher yield and fetches good market price. 7. Farmers are satisfied with the process and performance of the paddy straw mushroom demonstration unit and this shows the popularity of the variety further spread in the district. 8. Fertilizer broadcaster is comfortable to use and give better performance. 9. Groundnut var. Kaderi-6 is highly appreciable by the farmers. 10. Farmers are highly satisfied with the Integrated farming system.

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
	Paddy, Groundnut, Blackgram, Greengram	Field days	03	125	
		Farmers Training	56	1400	
		Media coverage	05		
		Training for extension functionaries	05	125	

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
Ganjam	INM in paddy (FW)	Inadequate use of fertilizer	22.04.2011, Burujhola	25
Ganjam	Pest management in paddy (FW)	Indiscriminate use of chemicals	14.05.2011, Halandakhola	25
Ganjam	Resource conservation (FW)	Excess use of fertilizer and pesticides	02.06.2011, Gochha	25
Ganjam	Composite pisciculture(FW)	Lack of use of fish feed and improper management	28.07.2011, Dalak	25
Ganjam	Varietal evaluation(FW)	Lack of use of HYV and fertilizer management	30.07.2011, Chopra	55
Ganjam	IPM in cashew nut	Improper pest management	20.08.2011, K.Bhereda	35

3. TRAINING PROGRAMMES

Table 3.1. 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		
Ganjam	FW	ONC	PLP	IPM on paddy	03	03	45	15	09	-	06	-	-	-
Ganjam	FW	ONC	PLP	IDM on paddy	01	01	12	04	02	-	02	-	05	-
Ganjam	FW	ONC	HOV	Nursery management in horticultural crops	01	01	12	03	01	-	01	-	10	-
Ganjam	FW	ONC	HOT	Production management technology of EFY	01	01	10	05	03	-	-	-	07	-
Ganjam	FW	ONC	PLP	Pest management of vegetable crops	01	01	14	02	-	-	-	-	09	-
Ganjam	FW	ONC	FIS	Integrated fish farming system	01	01	13	02	-	-	-	-	10	-
Ganjam	FW	ONC	FIS	Culture (monoculture/polyculture) of F.W prawn (rosenbergii)	01	01	13	-	04	-	08	-	-	-
Ganjam	FW	ONC	FIS	Renovation / construction of an ideal pond and its engineering aspects & maintenance	01	01	15	-	03	-	-	-	07	-
Ganjam	FW	ONC	SFM	Production and use of organic inputs	01	01	18	-	04	-	-	-	03	-
Ganjam	FW	ONC	SFM	Production and use of organic inputs	01	01	13	-	05	-	-	-	07	-
Ganjam	FW	ONC	SFM	Micronutrient deficiency in crops	01	01	11	-	-	-	-	-	14	-
Ganjam	FW	ONC	WOE	Value addition	01	01	-	14	-	06	-	-	-	05
Ganjam	FW	ONC	WOE	House hold food security by kitchen gardening & nutritional gardening	01	01		15	-	-	-	-		10

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		
Ganjam	RY	ONC	WOE	Mushroom production training material	01	01	17	-	-	-	04	-	04	-
Ganjam	RY	ONC	PLP	Bee keeping	01	01	19	-	-	-	-	-	06	-
Ganjam	RY	ONC	SFM	Vermiculture	01	01	14	-	-	-	-	-	11	-
Ganjam	IS	ONC	EXP	Globalization, WTO & IPR issues & its implication in agriculture sector for extension personnel	01	01	10	-	06	-	-	-	09	-
Ganjam	FW	OFC	PLP	Bio-control of pest and diseases of vegetables crops	01	01	14	-	03	-	-	-	08	-
Ganjam	FW	OFC	PLP	IPM on paddy	04	04	35	-	17	-	-	-	48	-
Ganjam	FW	OFC	PLP	Pest management of solanaceous vegetable crops	01	01	19	-	-	-	-	-	06	-
Ganjam	FW	OFC	PLP	Wilt management of solanaceous vegetable crops	01	01	12	-	-	-	05	-	08	-
Ganjam	FW	OFC	PLP	Disease management of Groundnut	01	01	11	-	04	-	05	-	05	-
Ganjam	FW	OFC	PLP	Pest management of vegetable crops	01	01	15	-	02	-	04	-	04	-
Ganjam	FW	OFC	HOT	Production and management technology of tuber crops	04	04	60	-	21	-	-	-	19	-
Ganjam	FW	OFC	HOV	Grading and standardization of vegetables	02	02	26	-	04	-	-	-	20	-
Ganjam	FW	OFC	HOP	Layout and management of mango orchards	02	02	23	-	06	-	04	-	17	-
Ganjam	FW	OFC	HOV	Nursery management in horticultural crops	01	01	13	-	07	-	05	-	-	-

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		
Ganjam	FW	OFC	SFM	Importance of soil testing & techniques of soil sampling	01	01	12	-	08	-	-	-	05	-
Ganjam	FW	OFC	SFM	Soil fertility management	02	02	30	-	12	-	04	-	04	-
Ganjam	FW	OFC	SFM	Integrated nutrient management	01	01	13	-	-	-	06	-	06	-
Ganjam	FW	OFC	SFM	Management of problematic soil	04	04	56	-	24	-	-	-	20	-
Ganjam	FW	OFC	SFM	Production and use of organic inputs	01	01	18	-	07	-	-	-	05	
Ganjam	FW	OFC	SFM	Nutrient use efficiency	01	01	15	-	06	-	02	-	07	
Ganjam	FW	OFC	FIS	Pre-stocking management practices in pisciculture pond	01	01	08	-	07	-	04	03	08	-
Ganjam	FW	OFC	FIS	Integrated fish farming system	02	02	18	-	04	08	03	-	15	02
Ganjam	FW	OFC	FIS	Post-stocking management practices in pisciculture pond	04	04	56	-	24	-	20	-	24	
Ganjam	FW	OFC	FIS	Culture of Magur	01	01	13	-	07	-	02	-	08	-
Ganjam	FW	OFC	FIS	Ornamental fish culture	01	01	10	-	-	-	-	-	05	-
Ganjam	FW	OFC	FIS	Feed management in composite pisciculture	01	01	10	04	08	-	02	-	06	-
Ganjam	FW	OFC	FIS	Culture management practices of shrimps	01	01	16	-	-	-	02	-	07	-
Ganjam	FW	OFC	FIS	Common disease problems in fish culture ponds, etiology, prevention and control measures	02	02	22	-	06	-	02	-	20	-
Ganjam	FW	OFC	FIS	Commonly occurred disease problems in fish culture, its etiology,	02	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		
				prophylaxis and treatment										
	FW	OFC	FIS	Ornamental fish culture	01	01	11	-	09	-	-		05	-
	FW	OFC	WOE	Value addition	03	03		55	-	10	-	-	-	10
	FW	OFC	WOE	Income generation activities for empowerment of rural women	01	01	-	14	-	-	-	-		11
	FW	OFC	WOE	Household food security by K.G & N.G	02	02	-	24	-	10	-	-	-	16
	FW	OFC	WOE	Location specific drudgery reduction technologies	01	01		17	-	-	-	-	-	08
Ganjam	FW	OFC	WOE	Storage loss minimization techniques	01	01	-	13	-	05	-	-	-	07
Ganjam	RY	OFC	SFC	Vermiculture	01	01	13	-	-	07	-	-	05	-
Ganjam	RY	OFC	FIS	Ornamental fish culture	01	01	10	-	05	-	-	-	-	-
Ganjam	RY	OFC	PLP	Bee keeping	01	01	11	-	09	-	-	-	05	-
Ganjam	RY	OFC	WOE	Mushroom production	02	02	-	25	-	10	-	-	-	05
Ganjam	RY	OFC	HOV	Nurser management in horticultural crops	02	02								
Ganjam	RY	OFC	HOV	Layout and management of mango orchard	02	02								
Ganjam	RY	OFC	HOV	Performance of HYV Brinjal	01	01	50	24	-	05	-	-	21	-
Ganjam	IS	OFC	FIS	Commonly occurred disease problems in fish culture, its etiology, prophylaxis and treatment	01	01	12	-	02	-	-	-	11	-
Ganjam	IS	OFC	SFC	INM	01	02	09	-	02	-	-	-	04	
Ganjam	IS	OFC	PLP	IPM in paddy	01	03	07	-	01	-	03	-	04	
Ganjam	IS	OFC	WOE	Household food security	01	01	-	17	-	-	-	-	-	08
Ganjam	IS	OFC	HOV	Nursery management in	01	03	12	-	03	-	-	-	10	-

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		
				horticultural crops										

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Ganjam										

Table 3.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

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

Table 3.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub0theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura0tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
KVKGanjam	Organic turmeric cultivation	ICM		FW	02	01	42	02	08	-			NHM, DASD, Calicut	72000

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	

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	
Ganjam	Mushroom cultivation	25	35	65	.0015	0.0105	20	130	1. 625 beds 2. out of 25 trainees, 10 adopted
	Nursery management of vegetable seedling	100	45	74	-	-	25000	40000	1. 62 ha 2. out of 100, 45 have adopted
	INM in sugarcane	50	48	72	550	720	90000	117000	1. 180ha 2. out of 50, 22 have adopted
	Acid soil management	200	32	54	12.5	15.8	20000	27000	1. out of 200, 70 farmers applied paper mill sludge in groundnut
	Feeding management in fish culture	25	45	62	1.5 q	2.2 q	32000	47000	1. Out of 25, 3 have adopted the technology.
	IPM	100	44	71	36	41	50000	62000	1. out of 100, 40 no of farmers adopted IPM in paddy
	Nursery management of vegetable seedling	100	45	74	-	-	25000	40000	3. 62 ha 4. out of 100, 45 have adopted

5. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
	Field Day	07	07	115	20	25	-	15	-	1. Resistant variety with high yield in Brinjal, 2. Popularaisation of long slender grain scented variety	1. Cultivation of Brinjal variety utkal Anushree, 2. Long slender grain scented paddy	-
KVKGanjam	Kisan Mela	04	04	330	20	40	-	12	-	-	-	-
KVKGanjam	Kisan Ghosthi	02	02	62	05	08	01					
KVKGanjam	Exhibition	2	2	543	54	25	12	-	-			
KVKGanjam	Film Show	50	75	1634	89	96	56	-	-			
KVKGanjam	Method Demonstrations	8	8	67	3	36	12	-	-			
KVKGanjam	Farmers Seminar	1	1	35	7	25	2	-	-			
KVKGanjam	Workshop	4	4	22	-	-	-	18	-			
KVKGanjam	Group meetings	12	12	78	12	35	5	-	-	-	-	-
KVKGanjam	Lectures delivered as resource persons	07	10	360	10	25	05	-	-			
KVKGanjam	Newspaper coverage	01	04									
KVKGanjam	Radio talks	06	06									
KVKGanjam	TV talks											
KVKGanjam	Popular articles	05	05									
KVKGanjam	Extension Literature	06	10									
KVKGanjam	Farm advisory Services	02	04	48	12	24	16					
KVKGanjam	Scientific visit to farmers field	-	240	200	30	40	07					
KVKGanjam	Farmers visit to KVK		168	130	40	15	5					
KVKGanjam	Diagnostic visits	10	10	125	20	43	15					
KVKGanjam	Exposure visits	01	01	20	5	-	-	-	-			
KVKGanjam	Ex-trainees Sammelan	2	2	55	10	-	-	-	-			
KVKGanjam	Soil health Camp	2	2	55	10	30	25	-	-			
KVKGanjam	Agri mobile clinic	-	-	-	-	-	-	--	-			

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			
KVKGanjam	Soil test campaigns	07	07	125	10	15	5	03				
KVKGanjam	Farm Science Club conveners meet	6	6	45	17	-	--	-	-			
KVKGanjam	Self Help Group conveners meetings	02	02	-	50	-	-	-	-			
KVKGanjam	Mahila Mandals conveners meetings	-	-	-	-	-	--	-	-			
KVKGanjam	Celebration of important days	03	03	46	10	10	06					
KVKGanjam	Animal Health Camp	-	-	-	-	-	-	-	-			
	Electronic Media (CD./DVD)	-	-	-	-	-	-	-	-			

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

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

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Ganjam	15.03.2009	Half yearly	1000	1000

(B) Literature developed/published

KVK Name	Type	Title	Authors name	Number of copies
Ganjam	Booklet	Vermicompost	S.K Satapathy, D. Sarangi	100
		Soil health Examination	S.K Satapathy, D. Sarangi	100
		Sheath blight in rice	S.K Satapathy, D. Debata	100
		Physiological disorder in mango	S.K Satapathy	100
		Mushroom cultivation	S.K Satapathy, S. Sahoo	100
		Duck rearing by SHG	S.K Satapathy, G.Subudhi	100
		Diseases management in fish	S.K Satapathy, S.S Das	100

(C) Details of Electronic Media Produced

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

7. Production and supply of Technological products

7.1 SEED AND PLANTING MATERIALS

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Ganjam	Cereals	Paddy	Pooja	SD	108.6	Qtl.		
Ganjam	Cereals	Paddy	Sarala	SD	31.2			
		Paddy	CR-1014	SD	42.9			
		Paddy	Swrna sub-1	SD	24.0			
Ganjam	Pulses	Arhar	Upas-120	CS	3.07			25 farmers
Ganjam	Oilseeds	Groundnut	Kaderi -6	CS	3.2			7 farmers
Ganjam	Fibers							
Ganjam	Spices							
Ganjam	Plantation crops							
Ganjam	Floriculture							
Ganjam	Forest species							
Ganjam	Fruits	Mango	Amrapalli, Dushehari	PM	1000	No	15000	20 farmers
Ganjam	Ornamental crops							
Ganjam	Vegetables							
Ganjam	Others	EFY	Gajendra	SD	4.5	Qtl	37500	20 farmers
Ganjam		Papaya	Manzil	PM	1800	No	5000	20 farmers
Ganjam		Drumstick	PKM-1	PM	1600	No	5000	20 farmers
Ganjam		Dhanicha	Local	TL	1.8			23farmers

SD – Seed; PM – Planting Material

7.2 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	
Ganjam	Cereals	Paddy	12.06.2011	30.11.2011	3.2	Pooja	SD	108.6			
Ganjam	Cereals	Paddy	12.06.2011	30.11.2011	1.2	Sarala	SD	31.2			
Ganjam	Cereals	Paddy	19.06.2011	03.12.2011	2.0	CR-1014	SD	42.9			
Ganjam	Cereals	Paddy	19.06.2011	03.12.2011	1.6	Swrna sub-1	SD	24.0			
Ganjam	Oilseed	Groundnut	10.06.2011	18.10.2011	0.6	Kaderi-6	CS	3.2			
Ganjam	Pulses	Arhar	27.06.2011	12.12.2011	0.6	UPAS-120	CS	3.07			
Ganjam	Vegetables	vegetables			0.03			293 kg			
Ganjam	Others (mushroom)	Mushroom	-	-	-	Volvarea volvacia & p. sajarkaju		190kg		9680	
Ganjam	Others (Dhanicha)	Dhanicha	15.06.2010	27.11.2010	0.4	Local	TL	1.8			
Ganjam	Others (vermicompost)	Vermicompost						10.0q		2500	
Ganjam	Others (Verms)	Eisinia foetida						40kg		7000	

7.3 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	Earthworm (Eisinia foetida)	1500	6000	
	BIOFERTILIZERS	Vermicompost	1000	4000	
	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Poultry						
	Fisheries	Ornamental (Live bearer)	Adult	100pairs	2000	600 Continuing	

9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES If yes, then

Year of establishment : **2005**

9.1 Details of soil & water samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Ganjam	Soil Samples	602	350	55	3970/-
Ganjam	Water Samples	18	-	08	

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/STParticipants		
					Male	Female	Total	Male	Female	Total
Ganjam										

11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) :

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

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
Ganjam	1995	1995	03	07	All the quarters in dilapidates condition

13. **Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Ganjam	17.06.2011	65	1. Foundation seeds produced in KVK should be distributed among farmers on priority. 2. HYV of turmeric should be popularized and value addition if possible can be taken. 3. KVK scientist should be facilitating the pulse programme of Krushk club. 4. Papaya seedling produced in KVK must be distributed among farmers in a large scale 5. Value addition programme should be taken in association with SMS(Horticulture) and SMS(Home

			science) 6. Entrepreneurship must be developed for mushroom/spawn production. 7. FSR model should be introduced in farmers field. 8. Mushroom production in KVK needs to be increased. 9. Pulse production should be given priority. 10. The OFT should be repeated, modified and refined if necessary.

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

KVK Name	**No. of messages sent**	**No. of beneficiary**		**Major recommendations**
		Farmers	Ext. Pers.	
Ganjam	588	2200	460	1Plant protection measures against blast disease of paddy. 2.Fruit and shoot borer in Brinjal 3. Sclerotial wilt of groundnut. 4. Poly house technology of off season paddy starw mushroom cultivation .

				5. Organic farming by use of vermin compost and bio-pesticides.

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
	ATMA	State	2,40,000	05	Halandakhoal, Kholakhali, Rudhapadara, Gangapura, Tulasipalli	
	MNREGA					
	NHM					
	RKVY	State	1,00,000	02	Kanjiapalli, Kholakhali	
	DRDA					
	Zila Panchyat					
	Seed village					
	NAIP					
	Climate Change					
	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Ganjam	30421978750	**1,63,173**	1,32,270	1,32,270

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

Success Story -1

MUSHROOM CULTIVATION - A REWARDING ENTERPRISE

INTRODUCTION

In winter season the atmospheric temperature is below 20^0C and the atmospheric humidity is very less in comparison to the rainy season. Hence paddy straw mushroom grows in 20-38^0C atmospheric temperature, 90% of atmospheric humidity which is normally available in rainy season. It is difficult to produce paddy straw mushroom in winter season. Women constitute half of the total population of India. Women are the major workforce in agriculture. Still then they less financial power in comparison to male in a family. To generate income so as to empower the women in a society mushroom cultivation is a suitable enterprise. Further, mushroom cultivation is a should be continued through out the year.

METHODOLOGY/INTERVENTION/PROCESS

Mrs. Purnabasi Swain, W/O of Sri Santosh Swain of village Natenga, Block – Belaguntha, District – Ganjam is a housewife. She came in contact with the KVK scientist in a training programme and then motivated to take up seasonal as well as off season cultivation of paddy starw mushroom. She constructed a poly house with bamboo frame using a transparent 10mt x 7mt size UV film of 200 micron polythene. This UV polythene 20 P.S spawn bottles and other required materials provided by the KVK, Ganjam as on initial incentive. Time to time supervision was done by the scientist. A thermometer and a hygrometer were kept inside the polythene to measure the temperature and the humidity inside the poly house. Yield per bed was the major parameter assessed.

OUTPUT

Mrs Purnabasi Swain got an average yield of 1.250kg per bed inside the poly house while 0.31 kg per bed in normal outside situation of winter. In the poly house technology she received the profit of Rs.85/- per bed while in outside situation she suffered a loss of Rs.9.00 per bed. In the last December, January and February she had the profit of Rs.24000/-.

OUTCOME

As a small scale income generation activity paddy straw mushroom cultivation through out the year is encouraging. The problem of non-productivity of paddy straw mushroom winter season can be solved by utilizing this 200 micron ultra violet film. This technology will increase income of women so that it will enhance the financial empowerment of women in our society.

IMPACT

Being impressive upon the economic profitability of Mrs.Purnabasi Swain the WSHG numbers of the near by village Madhabarida, Jilundi, Buduli are also interested to take up off season cultivation of paddy starw mushroom as an income generating activity.

CONCLUSION

Mushroom cultivation throughout the year is a profitable income generating activity for the women society of Ganjam district not only from the economic point of view but also from the point of view of utilization of leisure time of women, utilization of farm waste, maintenance of family health, women empowerment and so on.

19. Details of KVK Agro-technological Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	1. Each of approx. 10 x 10 m^2 (Brinjal, Okra, tomato, papaya, drumstick, purwal) 2. Mango grafts 110nos planted with drip irrigation and interspace utilized with arhar var. *Upas-120*. 3. 11 nos mother plant of mango improved variety maintained. 4. Guava var. *Allahabad safeda* 40nos planted with drip irrigation and interspaced utilized with turmeric var. Roma. 5. Cashew grafts 50nos planted with drip irrigation and interspace utilized with arhar var. *Upas-120*. 6. 20nos lemon gootte planted with drip irrigation. 7. 20 nos species of medicinal plants maintained with scientific manner
	Technology Desk	Use of pheromone trap, tricocards and bio-pesticides in vegetables.
	Visitors Gallery	Ornamental fish maintained
	Technology Exhibition	Vermicompost, Azolla, mushroom unit, Net house, Apiary unit
	Technology Gate-Valve	

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Name of KVK	**Name of Visitor**	**Date of Visit**	**Remarks**
Ganjam	Dr.S.S. Nanda, DEAN, OUAT	18.06.2011	
	Sri Jagdish Pati, AGM, NABARD	18.06.2011	
	Manager, SBI	18.06.2011	
	OIC, CPR, OUAT	18.06.2011	
	ADR, RRTTS, G,udayagiri	18.06.2011	
	AGM NABARD	29.09.2011	

21. Status of KVK Website: Running, www.kvkganjamzpdvii.org.in

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			
ERNET programme is stopped now due to V-SAT Problem (Burn of LMC) since 2years							

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Ganjam	Gosthies	5	200	Kharif crops i.e. rice, vegetable, ragi, groundnut etc.
Ganjam	Lectures organized	15	170	Technical information releted to the kharif crops
Ganjam	Exhibition	01	100	Display all the technologies/material related to the kharif crop
Ganjam	Film show	5	500	INM, IPM, IWM, mushroom, Honey bee
Ganjam	Fair	02	245	Technical information/lecture releted to the kharif & rabi crops
Ganjam	Farm Visit	05	120	Technological demonstrations
Ganjam	Diagnostic Practical's	10	200	Insects, pests, diseases of kharif crops
Ganjam	Distribution of Literature (No.)	20	500	Technical information related to different crop
Ganjam	Distribution of Seed (q)	02	450	
Ganjam	Distribution of Planting materials (No.)	5	200	Kharif crops i.e. rice, vegetable, ragi, groundnut etc.
Ganjam	Bio Product distribution (Kg)	15	150	Technical information releted to the kharif crops
Ganjam	Bio Fertilizers (q)	02	220	Display all the technologies/material related to the bio-fertilizer
Ganjam	Distribution of fingerlings (No)	5	500	Technical information
Ganjam	Distribution of Livestock specimen (No.)	02	245	
Ganjam	Total number of farmers visited the	05	120	Technological demonstrations

	technology week			

24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
	Paddy (Short duration variety)	5.0	50
Ganjam	Vegetables (Brinjal, Guanr, Bittergourd, Okra, papaya, ridgegourd, pumpkin, cowpea, snakegourd)	10.0	100
Ganjam	Groundnut	2.5	15

Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
Ganjam	Oilseeds		
Ganjam	Pulses	2.4	06
Ganjam	Cereals	5.0	50
Ganjam	Vegetable crops	10.0	100
Ganjam	Tuber crops	2.0	20
Ganjam	Fruits	3.0	200
Ganjam	Spices	2.0	30
Ganjam	Cotton		
Ganjam	**Total**	**24.4**	**456**

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants
Ganjam	Dairy Management		
Ganjam	Disease management	2	106
Ganjam	Feed and fodder technology		
Ganjam	Poultry management	1	95

Animal health camps organised

Name of KVK	Number of camps	No.of animals	No.of farmers
Ganjam			

Seed distribution in drought hit states

Name of KVK	**Crops**	**Quantity (qtl)**	**Coverage of area (ha)**	**Number of farmers**
Ganjam	Blackgram	0.6	2.4	15
Ganjam	Greengram	1.24	5.0	20
Ganjam	Groundnut	3.6	2.0	15

Seedlings and Saplings distributed

Name of KVK	**Crops**	**Quantity (No.s)**	**Coverage of area (ha)**	**Number of farmers**
Seedlings/Sapling				
Ganjam	Drumstick	1000	2.0	50
Ganjam	Papaya	1000	2.0	50
Ganjam	Mango	200	2.0	50
Ganjam	Cashew	200	2.0	75

Bio-control Agents

Name of KVK	**Bio-control Agents**	**Quantity (q)**	**Coverage of Area (ha)**	**No. of farmers**
Ganjam	Tricho derma Viride	0.5	10.0	50
Ganjam	Ha NPV			
Ganjam	Maxicon Beetle for Control of Parthenium			
Ganjam	T.V.			
Ganjam	Pheromen Trap	100nos	10	30
Ganjam	Neem oil	0.1	10	50
Ganjam	NPV-Sl			
Ganjam	Other (T.chilonis)	60nos	5.0	30

(e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Ganjam	Azolla	100	5.0	50
	Rahizobium	5	5.0	30

(f) Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Ganjam	Eisinia foetidae	27kg	5.0	50

(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
Ganjam	Cultivation of fruits	10.0	50
Ganjam	Drought tolerant crop and sort duration variety	5.0	50
Ganjam	Integrated Crop Management	2.0	10
Ganjam	Irrigation Scheduling		
Ganjam	Mechanization	5.0	50
Ganjam	Mulching	10.0	20
Ganjam	SRI	10.0	50
Ganjam	Water Management		
Ganjam	Weed management	2.0	10
Ganjam	Direct seeding and weed management in Rice	5.0	20
Ganjam	Early & drought tolerance varieties of Maize		
Ganjam	Dry seeded method of rice cultivation	5.0	15

(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
Ganjam	10	350	10	300	01	40	02	245	01	110	20	500

25. **Status of KVK Website:** Already having website
If available, please provide the address of website: www.kvkganjamzpdvii.org