FORMAT 1- GENERAL, OFT & FLDS

REPORTING PERIOD – 1st April'09 to 31st March'10

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
KVK, Nayagarh	OFTs	10	81	11	78
KVK, Nayagarh	FLDs – Oilseeds (activity in ha)	10	30	10	30
KVK, Nayagarh	FLDs – Pulses (activity in ha)	5	15	5	15
KVK, Nayagarh	FLDs – Cotton (activity in ha)	-	-	-	-
KVK, Nayagarh	FLDs – Other than Oilseed and pulse crops(activity in ha)	22	190	22	188
KVK, Nayagarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	20	3	20
KVK, Nayagarh	Training-Farmers and farm women	58	1445	58	1445
KVK, Nayagarh	Training-Rural youths	23	455	23	455
KVK, Nayagarh	Training- Extension functionaries	16	255	16	240
KVK, Nayagarh	Extension Activities	664	2690	1340	5333
KVK, Nayagarh	Seed Production (Number of activity as seeds in quintal)	0	0	0	0
KVK, Nayagarh	Planting material ((Number of activity as quantity of planting material in quintal)	0	0	0	0
KVK, Nayagarh	Seedling Production (Number of activity as number of seedlings in numbers)	1800	150	1800	150
KVK, Nayagarh	Sapling Production (Number of activity as number of sapling in numbers)	4010	271	4010	271
KVK, Nayagarh	Other Bio- products	613 kg	40	613 kg	40
KVK, Nayagarh	Live stock products	1548	200	1548	200
KVK, Nayagarh	SAC Meeting (Date & no. of core/official members	1	22	1	22
KVK, Nayagarh	Newsletters (no.)	1	500	1	500
KVK, Nayagarh	Publication (Research papers, popular article)	10	-	10	-
KVK, Nayagarh	Convergence programmes / Sponsored programmes	0	0	6	350
KVK, Nayagarh	Outreach of KVK in the District (No. of blocks, no. of villages)	23 villages	-	23 villages	-

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1. GENERAL INFORMATION

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

1.	Geographical area of the district	3,94,110 ha (4242 sqkm)
2.	Height from mean sea level	90 mt.
3.	No. of subdivisions	1
4.	No. of Tahasils	48
5.	No. of NAC	2
6.	No. of CD blocks	8
7.	No. of GPs	179
8.	No. of revenue villages	1702
9.	Population in the district 2001 census	8,64,516
	Male	4,46,177
	Female	4,18,339
10.	ST population	5.88%, 50836
11.	SC population	14.04%, 1409
12.	Literacy	70.52%
	Male	82.66%
	Female	67.64%
13.	Annual Rainfall	1354.3mm
14.	Max temperature	44.0^0C
15.	Minimum temperature	11.0^0C
16.	Population density	222/sqkm.
17.	Area under forest	1,61,700ha.
18.	Area under cultivation	1,36,841 ha.
	High land	53,192 ha
	Medium land	46,866 ha
	Low land	36,783 ha
19.	No. of irrigation kharif	43577 ha.
	No. of irrigation Rabi	14483 ha.
20.	Classification of land holding	

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	Less than 1 ha.	1,13,730 no.
	Between 1 to 2 ha.	18,443 no.
	Above 2 ha.	11910 ha.

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)
KVK, Nayagarh	**Janisahi**	**2007**	**Dasapalla**	**50 km**	**950**	**850**
KVK, Nayagarh	**Rampada**	**2008**	**Bhapur**	**20km**	**625**	**575**
KVK, Nayagarh	**Mardarajpur**	**2008**	**Nayagarh**	**25km**	**700**	**658**
KVK, Nayagarh	**Malatipur**	**2009**	**Nayagarh**	**12km**	**570**	**435**
KVK, Nayagarh	**Badahamara**	**2010**	**Khandapara**	**4km**	**250**	**115**

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

KVK Name	THRUST AREA
KVK, Nayagarh	Varietal substitution in paddy, particularly for rain fed upland and medium land types.
KVK, Nayagarh	Crop diversification from paddy to pulse (Arhar), oilseed (Sunflower, ground nut) sugarcane and tuber crop based cropping systems.
KVK, Nayagarh	Integrated nutrient management by incorporation of crop residues/forest litters, green manuring, improvised composting and balanced use of inorganic and bio-fertilizers.
KVK, Nayagarh	Popularizing eco-friendly pesticides and bio-control agents and IPM practices for borers in sugarcane, rice and brinjal.
KVK, Nayagarh	Revolutionizing fresh water fish farming by including freshwater prawn (Scampi) in Composite pisciculture system.
KVK, Nayagarh	Empowerment of rural youth and SHGs through remunerative agro based enterprises like value addition of fruits and vegetables, mushroom production, bee keeping, floriculture ,poultry farming and nursery raising.
KVK, Nayagarh	Rejuvenating mango and cashew orchards and developing Alternative Land Use system model.
KVK, Nayagarh	Scientific method of fish production with freshwater prawn culture, integrated farming system research and stunted fingerlings & yearlings stocking.

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KVK, Nayagarh	Income generation from backyard poultry for economic upliftment.
KVK, Nayagarh	Raising of fuel wood, timber and fodder yielding species to meet the local demand and production , value addition of minor forest produces.

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

KVK Name	Problem identified	Methods of problem identification
KVK, Nayagarh	PADDY : Low grain yield - poor nutrition- Heavy weed infestation-High grain loss - BPH & Stem Borer	Diagnostic field visit, Group discussion, PRA survey
KVK, Nayagarh	MOONG : Low productivity – Little Nutrition- High storage loss – Pulse beetle	Loss during storage of foodgrains, Group discsussion
KVK, Nayagarh	SUGARCANE : Increase in production cost – Closer spacing-High Seed requirement – Manual weeding-Low MC production – Poor N management-Incident of ESB & IB.	Survey, field visit
KVK, Nayagarh	COLOCASIA : Increase in production cost – Manual weeding-Growth retardation Blight & Rot	Diagnostic field visit
KVK, Nayagarh	TUBER CROPS : Deep rooted longer duration Yam - poor acceptance- less yield potential Sweet Potato – Poor acceptance, Slow multiplication rate	Field visit, Group discussion
KVK, Nayagarh	GROUNDNUT : Increased production cost – Manual weeding-Poor plant stand – Early stage wilting	Diagnostic field visit and PRA survey
KVK, Nayagarh	SUNFLOWER : Low yield – Increased Chaffiness-pest & desease incidence	Diagnostic field visit and PRA survey
KVK, Nayagarh	COCONUT : Fruit drop- Eriophyid mite attack-Low yield in local types	Diagnostic field visit and PRA survey
KVK, Nayagarh	MANGO: Fruit drop- Mango hopper & Bark eating caterpillar	Field visit and group discussion
KVK, Nayagarh	BRINJAL : Fruit and Shoot borer Incidence- Wilting	Diagnostic field visit
KVK, Nayagarh	COLE CROPS: Tobacco caterpillar incidence- Low yield in local types	Diagnostic field visit
KVK, Nayagarh	TOMATO: Low yielding local types	Field visit and group discussion
KVK, Nayagarh	FOREST TREES : Untapped forest resources , Deforestation due to heavy demand on fuel wood, timber and fodder demand	Group discussion, field visit
KVK, Nayagarh	FISHERY: Poor pond management- Predatory and weed fish- Adverse culture environment – High seed mortality-Improper stocking ratio and density-Poor feeding.	Exposure visit , Field visit, Group Discussion with forest personals and farmers

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KVK, Nayagarh	OTHERS: Underutilization of orchard shade (cashew and mango)-Straw scarcity for mushroom production - Lack of income generating vocation for women- Poor land utilization and crop insurance in rainfed upland-Grain loss by house & field rats-Distress sell of mango & tomato-Malnutrition of women and children –Drudgery associated with rural housewives and women in agriculture.	Field visit and group discussion

2. OFT (Conducted during Kharif 2009 & Rabi 2009-10)

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	
KVK, Nayagarh	2009-10	Rabi	Assessment	Crop	Assessment of groundnut var. Devi	**NGR0910RCP01**	Groundnut	10	10	0.8	0.3	Completed
KVK, Nayagarh	2009-10	Rabi	Assessment	Crop	Assessment of DAP spray in greengram	**NGR0910RCP02**	Greengram	10	10	1.0	1.0	Completed. The crop was completely damaged due to precipitation of hail stones on 15.03.10. therefore, this OFT will be repeated in 2010-11, rabi season.
KVK, Nayagarh	2009-10	Rabi	Assessment	Crop	Assessment of cartap hydrochloride with chitinsynthesis inhibitor for the control of fruit and shoot borer in brinjal.	**NGR0910RPP03**	Brinjal	10	10	0.5	0.5	Completed

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KVK, Nayagarh	2009-10	Rabi	Assessment	Crop	Assessment of IPM measures for the control of thrips in chilli.	**NGR0910RPP04**	Chilli	10	10	0.5	0.5	Completed
KVK, Nayagarh	2009-10	Kharif	Assessment	Crop	Assessment of Pointed Gourd var. Swarna Rekha	**NGR0910KHO05**	Pointed Gourd	10	10	0.5	0.5	Completed
KVK, Nayagarh	2009-10	Rabi	Assessment	Crop	Assessment of paddy straw musrhroom in low cost poly house	**NGR0910RWA07**	Mushroom	2	2	NA	NA	Completed
KVK, Nayagarh	2009-10	Rabi	Assessment	Enterprise	Assessment of groundnut decorticator	**NGR0910RWA08**	Groundnut	2	2	NA	NA	Continuing
KVK, Nayagarh	2009	Kharif	Assessment	Crop	Assessment of mixed culture Practice	**NGR0910KFS07**	Prawn	3	3	0.6	0.6	Completed
KVK, Nayagarh	2009	Rabi	Assessment	Crop	Assessment of FCR (Feed Conversion Ratio) of floating fish feed	**NGR0910RFS09**	Fish	3	3	1.2	1.2	Completed
KVK, Nayagarh	2009	Kharif	Assessment	Enterprise	Assessment of lac on kusum trees.	**NGR0900KFR11**	Lac	10	8	NA	NA	Completed
KVK, Nayagarh	2009-10	Rabi	Assessment	Enterprise	Assessment of management practices for better yield in Kendu	**NGR0910RFR11**	Kendu/ Bidileaves	5	5	0.1	0.1	Completed

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

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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		
KVK, Nayagarh	**NGR0910RCP01**	Low yield in groundnut de to use of old and genetically detoriated var. AK 12-24.	Varietal diversification in groundnut	Cultivation of low yielding var. AK 12-24	Loam	Irrigated	Medium	Paddy-Groundnut	200	Bhapur, Nuagaon, Odogaon
KVK, Nayagarh	**NGR0910RCP02**	Yield unstability in greengram	Integrated Nutrient Management	Cultivation of greengram without application of nutrients.	Clay loam	Rainfed	Medium	Paddy-greengram	40000	All blocks
KVK, Nayagarh	**NGR0910RPP03**	Low yield in Brinjal due to heavy infestation of fruit and shoot borer	IPM	Indiscriminate use of granular pesticides.	Loamy to Clay loam	Canal irrigation	Up and medium land	Rice-Vegetable	99	All the blocks of Nayagarh district
KVK, Nayagarh	**NGR0910RPP04**	Low yield due to severe thrips attack	IPM	No use of pesticides	Loamy to clay loam	Canal irrigation	Up and medium land	Rice-vegetable	95	Daspalla, Khandapada, Bhapur and Gania
KVK, Nayagarh	**NGR0910KHO05**	Low and unstable yield due to cultivation of local variety	Varietal evaluation	Cultivation of local varities	Loamy to clay loam	Canal irrigation	Up and medium land	Rice-vegetable	75	Daspalla, Khandapada, Bhapur and Gania
KVK, Nayagarh	**NGR0910RWA07**	High price of paddy straw mushroom in off season	Income generation	Cultivation of local practices	NA	NA	NA	NA	-	Nayagarh
KVK, Nayagarh	**NGR0910RWA08**	Drudgery of farm women in	Drudgery reduction	Hand decortications	NA	NA	NA	NA	300	Nuagaon, Odogaon, Bhapur

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		decorticating groundnut								
KVK, Nayagarh	**NGR0910KFS07**	Less income from only fish culture	Production Management (55)	Only fish culture with IMC and exotic carps	Clay loam	Rainfed	Low land	Pisciculture	1243	Gania, Odagaon. Nayagarh
KVK, Nayagarh	**NGR0910RFS09**	More FCR of feed due to feed wastage during feeding in pisciculture	Nutrition management (52)	Use of sinkable fish feed	Clay loam	Rainfed	Low land	Pisciculture	1243	Khandapara, Nuagaon, Bhapur
KVK, Nayagarh	**NGR0900KFR11**	Unutilized forest resources	Small scale income generating enterprises	Lac cultivation not prevelant	Clay loam	Rainfed	Upland	Village forest	NA	Nayagarh
KVK, Nayagarh	**NGR0910RFR11**	Low yield in kendu	Small scale income generating enterprises	Coppicing at ground level	Clayey loam	Rainfed	Upland	Degraded wasteland	4634ha	Daspalla,Ranapur

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)
KVK, Nayagarh	**NGR0910RCP01**	Use of HYV of groundnut var. Devi	OUAT	2008	
KVK, Nayagarh	**NGR0910RCP02**	Two sprays of 2% DAP at pre flowering condition and 15 days later (Flowering condition)	Center for Pulse Research	2005	-
KVK, Nayagarh	**NGR0910RPP03**	Soil application of Neem oil cake @ 2q/ha + destruction of infested plants at7 days interval 1inch below the infested hole + spraying of CH@ 1.5g + CSI @0.5gm/lt of water 4 to 5 times at 10days interval.	OUAT	2003	-
KVK, Nayagarh	**NGR0910RPP04**	Soil application of Neem oil cake	OUAT	2001	-

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		@2 q/ha + removal of infested twigs + spraying of carbosulfan @ 1lt/ha for 3 to 4 times at 15 days interval.			
KVK, Nayagarh	**NGR0910KHO05**	Use of improved Pointed Gourd variety Swarna Rekha	OUAT	2006	-
KVK, Nayagarh	**NGR0910RWA07**	Low cost UV stabilized poly house for off season paddy straw mushroom cultivation	CTMRT, OUAT	2008-09	-
KVK, Nayagarh	**NGR0910RWA08**	Decortication of groundnut by using groundnut decorticator developed by CIAE, Bhopal.	CIAE, Bhopal	2005	-
KVK, Nayagarh	**NGR0910KFS07**	Freshwater prawn (Scampi) was stocked in the pond instead of mrigal and common carp bottom layer fishes	CIFA, Bhubaneswar	2002	-
KVK, Nayagarh	**NGR0910RFS09**	Floating fish feed was used instead of sinking fish feed in pisciculture	CIFA, Bhubaneswar	2008	-
KVK, Nayagarh	**NGR09KFR11**	Introduction of lac on kusum trees	ILRI, Ranchi	2000	-
KVK, Nayagarh	**NGR0910RFR11**	Coppicing 2cm below the ground level followed by light burning	FRI, Dehradun	2001	-

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)
KVK, Nayagarh	**NGR0910RCP01**	q/ha	17.51	19.70	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP02**	OFT will be conducted in Rabi 2010-11							
KVK, Nayagarh	**NGR0910RPP03**	Qt.	190.31	241.23	-	-	-	-	-

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KVK, Nayagarh	**NGR0910RPP04**	Qt.	153.57	182.21	-	-	-	-	-
KVK, Nayagarh	**NGR0910KHO05**	Qt.	68	85	-	-	-	-	-
KVK, Nayagarh	**NGR0910RWA07**	Kg. / bed	0.25	1.1	-	-	-	-	-
KVK, Nayagarh	**NGR0910RWA08**	Kg	1.5kg	29kg	-	-	-	-	-
KVK, Nayagarh	**NGR0910KFS07**	Qtl	21.05	22.33	-	-	-	-	-
KVK, Nayagarh	**NGR0910RFS09**	Qtl	23.2	42.4	-	-	-	-	-
KVK, Nayagarh	**NGR0910RFR11**	Quintals/ Number	0.6 quintals/ha	0.68quintals/ha	-	-	-	-	-
KVK, Nayagarh	**NGR0900KFR11**	Kg/tree	0	13kg/tree	-	-	-	-	-

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)**
KVK, Nayagarh	**NGR0910RCP01**	Nos of pods /plant	No	47.1	55.4	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP02**	OFT will be conducted in Rabi 2010-11									
KVK, Nayagarh	**NGR0910RPP03**	% of infestation	%	34.2	9.5	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	% of infestation	%	17.1	3.4	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910KHO05**	No. of fruits per plant	No.			-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RWA07**	Avg. Temperature	^{0} C	22^0C	30^0 C	-	-	-	-	-	-

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KVK, Nayagarh	**NGR0910RWA08**	Kg of pods decorticated	Kg	1.5	29	-	-	-	%	-	80%
KVK, Nayagarh	**NGR0910KFS07**	Fish production	Qtl	21.05	17.08	-	Prawn production	Qtl	-	5.25	-
KVK, Nayagarh	**NGR0910RFS09**	Fish production	Qtl	23.2	42.4	-	FCR (Feed Conversion Ratio)	Ratio	2.0	1.1	-
KVK, Nayagarh	**NGR0910RFR11**	Yield /unit area	Quintals/ha	0.6	0.68qtls/ha	-	-	-	-	-	-
KVK, Nayagarh	**NGR0900KFR11**	Yield /tree	Kg/tree	0	13kg/tree	-	-	-	-	-	-

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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)
KVK, Nayagarh	**NGR0910RCP01**	Rs.29540/ha	Rs.30525/ha	-	Rs.52530/ha	Rs59100/ha	-	Rs.22990	Rs.28575/ha	-	1.78	1.94	-
KVK, Nayagarh	**NGR0910RCP02**	OFT will be conducted in Rabi 2010-11											
KVK, Nayagarh	**NGR0910RPP03**	34800	41300	-	76125	96490	-	41325	55190	-	2.18	2.37	-
KVK, Nayagarh	**NGR0910RPP04**	47550	54300	-	145890	173100	-	98340	118800	-	3.06	3.18	-
KVK, Nayagarh	**NGR0910KHO05**	43760	51120	-	69700	91500	-	25940	40380	-	1.59	1.79	-
KVK, Nayagarh	**NGR0910RWA07**	Rs. 38/bed	Rs. 38/bed		Rs. 30/bed	Rs. 132/bed		-	Rs. 95/bed		0.98	35	
KVK, Nayagarh	**NGR0910RWA08**	-	-	-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910KFS07**	37000	42417	-	112000	193250	-	75000	150833	-	2.02	3.54	-
KVK, Nayagarh	**NGR0910RFS09**	47000	62667	-	139200	254360	-	92200	191693	-	1.96	3.05	-
KVK, Nayagarh	**NGR0910RFR11**	Rs.150/ha	Rs150/ha	-	87.5	192.5	-	0	42.5	-	.58	1.28	-
KVK, Nayagarh	**NGR0900KFR11**	-	575/tree	-	0	2470/tree	-	0	1895/tree	-	0	4.29	-

2.5 Recommendations/message form assessed/refined technology

KVK Name	OFT ID No	Final recommendation for micro level situation	Constraints identified and feedback for research	Process of farmers participation and their reaction	Farmers feed back	Process for sensitization of the line departments for replacement of the technology			
						Workshop/ meetings	Trainings	Visits	Publications
KVK, Nayagarh	**NGR0910RCP01**	Use of groundnut seed variety Devi enhances productivity and return.	Non availability of groundnut seed variety Devi at the time of planting is the major bottle neck	Scientists and farmers are closely involve from training programme to	Farmers are satisfied with the performance of the variety.	2	1	-	-

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			in adoption of technology.	harvesting of the crop.					
KVK, Nayagarh	**NGR0910RCP02**	OFT will be conducted in Rabi 2010-11							
KVK, Nayagarh	**NGR0910RPP03**	Soil application of Neem oil cake @ 2q/ha + destruction of infested plants at7 days interval 1inch below the infested hole + spraying of CH@ 1.5g + CSI @0.5gm/lt of water 4 to 5 times at 10days interval.	It should be available in the local market.	Scientists and farmers are closely involve from training programme to harvesting of the crop.	Farmers are satisfied with the technology.	01	-	03	-
KVK, Nayagarh	**NGR0910RPP04**	Soil application of Neem oil cake @2 q/ha + removal of infested twigs + spraying of carbo sulfan @ 1lt/ha for 3 to 4 times at 15 days interval.	Higher motivation is required to the practicing farmers for foliar sprayings.	Farmers are directly involved from training, exhibition and final harvest of the crop.	Farmers are satisfied wit the technology.	01	-	02	-
KVK, Nayagarh	**NGR0910KHO05**	Use of improved Pointed Gourd variety Swarna Rekha enhances higher yield and profit	Non availability of Pointed Gourd variety Swarna Rekha at the time of planting is the major bottle neck in adoption of technology.	Farmers are directly involved from training, exhibition and final harvest of the crop.	Farmers are satisfied wit the technology.	01	-	02	-
KVK, Nayagarh	**NGR0910RWA07**	UV stabilized polyhouse inside temperature is 8°C more than the outside atmospheric	High humidity inside the poly house due to poor	Farmers are directly involved in training, and final harvest of	Farmers are satisfied wit the technology.	01	01	04	01

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		temperature	ventilations	the crop.					
KVK, Nayagarh	**NGR0910RWA08**	Use of groundnut decorticator reduces drudgery by 80%	Recent rise in cost of the implement makes it unaffordable for poor farmers	Farmers are directly involved in training.	Farmers are satisfied with the technology.	01	01	03	-
KVK, Nayagarh	**NGR0910KFS07**	Freshwater prawn (Scampi) to be stocked in the pisciculture pond along with catla and rohu for more profit	Number of grass carp to be stocked for optimum production in weed infested ponds	Availability of grass carp is difficult and prawn production along with fish is god	Availability of fresh water prawn at door step to be developed	1	1	1	-
KVK, Nayagarh	**NGR0910RFS09**	Floating feed to be incorporated in the feeding schedule of pisciculture	Availability of floating feed in the local market	Farmers some time gives biscuits to the fishes	Feed can be given in a floating cycle tube as feeding zone	1	4	1	-
KVK, Nayagarh	**NGR0900KFR11**	Lac introduction recommended in kusum @ five kg/tree	Non availability of market for lac. Diffused population of kusum in accessible areas.	Farmers reluctant to accept the technology initially	Mixed response, farmers agree that the technology is economically feasible	0	1	3	0
KVK, Nayagarh	**NGR0910RFR11**	Coppicing 2cm below the ground level followed by light burning	Discontinuous patches kendu plants spread over large areas.	Farmers respective and were involved	Farmers satisfied in the technology	0	1	4	0

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

KVK Name	OFT ID No	Farmers' name	Main Product (kg/ha)			By-Product (kg/ha)			Observations on Other Parameter					Observations on Other Parameter				
			T_1	T_2	T_3	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3	Parameter name	Unit	T_1	T_2	T_3
KVK, Nayagarh	**NGR0910RCP01**	Pandari Nayak	16.63	18.91	-	46.2	53.2		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Ramesh Champati	16.11	17.93	-	43.4	52.1		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Ramesh ch Jena	16.28	18.52	-	44.2	54.6		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Jhulia Barik	16.46	19.32	-	45.6	55.2		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Banamali Behera	19.08	19.96	-	50.9	60.9		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Rabindra Behera	20.59	21.67	-	52.8	62.0		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Brundaban Pati	19.00	21.28	-	51.8	56.0		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Jaladhara Behera	19.26	21.56	-	50.4	58.1		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Purna ch Behera	15.93	19.12	-	43.3	51.5		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP01**	Jagannatha Panda	15.76	18.73	-	42.4	50.4		-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RCP02**	OFT will be conducted in Rabi 2010-11																
KVK, Nayagarh	**NGR0910RPP03**	Prafulla Ku. Badu	175.31	229.23	-	-	-	-	Borer incidence	%	34.1	10.7	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP03**	Manas Pradhan	181.31	233.23	-	-	-	-	Borer incidence	%	33.5	9.7	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP03**	Janardan Sahoo	190.31	238.23	-	-	-	-	Borer incidence	%	30.8	9.2	-	-	-	-	-	-

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KVK, Nayagarh	**NGR0910RPP03**	Pratap Biswal	193.71	240.23	-	-	-	-	Borer incidence	%	28.2	8.8	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP03**	Sudharanjan Sahoo	198.31	245.23	-	-	-	-	Borer incidence	%	26.9	7.9	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	Bipra Charan Biswal	139.57	168.01	-	-	-	-	Thrips attack	%	19.8	4.8	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	Charan Sasmal	145.57	174.21	-	-	-	-	Thrips attack	%	18.5	4.3	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	Biswa Mohan Sahu	148.57	179.23	-	-	-	-	Thrips attack	%	17.7	3.7	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	Akrura Sethi	159.57	182.12	-	-	-	-	Thrips attack	%	17.4	3.6	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910RPP04**	Bijaya Ku. Pradhan	163.57	187.64	-	-	-	-	Thrips attack	%	16.6	2.9	-	-	-	-	-	-
KVK, Nayagarh	**NGR0910KHO05**	Jaikrishna Pradhan	640	780														
KVK, Nayagarh	**NGR0910KHO05**	Bijay Ku. Nayak	700	860														
KVK, Nayagarh	**NGR0910KHO05**	Gautam Nayak	760	920														
KVK, Nayagarh	**NGR0910KHO05**	Nilakantha Mohanty	660	880														
KVK, Nayagarh	**NGR0910KHO05**	Bhagirathi Sathua	640	810														
KVK, Nayagarh	**NGR0910RWA07**	Binodini Sahoo	100gm	1.0kg	-	-	-	-	Kg of pods decorticated	Kg								
KVK, Nayagarh	**NGR0910RWA07**	Pratima Barada	150gms	1.2kg	-	-	-	-	Kg of pods decorticated	Kg								
KVK, Nayagarh	**NGR0910RWA08**	Tilotama Behera	2.1	28	-	-	-	-	Kg of pods decorticated	Kg								
KVK, Nayagarh	**NGR0910RWA08**	Sita Behera	1.3	28	-	-	-	-	Kg of pods decorticated	Kg								
KVK, Nayagarh	**NGR0910RWA08**	Ahalya Behera	1.5	30	-	-	-	-	Kg of pods decorticated	Kg								
KVK,	**NGR0910RWA08**	Timina	1.5kg	29	-	-	-	-	Kg of pods	Kg								

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Nayagarh		Behera							decorticated										
KVK, Nayagarh	**NGR0910RWA08**	Amita Behera	10kg	30					Kg of pods decorticated	Kg									
KVK, Nayagarh	**NGR0910RFS09**	Pramod Jagdev	21.05	-	-	-	-	-	Net profit	Rs.	75000	-	-	BC Ratio		2.02	-	-
KVK, Nayagarh	**NGR0910RFS09**	Gangadhar pradhan	-	21.40	-	-	-	-	Net profit	Rs.	-	140500	-	BC Ratio		-	3.38	-
KVK, Nayagarh	**NGR0910RFS09**	Pramod Jagdev	-	22.45	-	-	-	-	Net profit	Rs.	-	152000	-	BC Ratio		-	3.59	-
KVK, Nayagarh	**NGR0910RFS09**	Pramod Barad	-	23.15	-	-	-	-	Net profit	Rs.	-	160000	-	BC Ratio		-	3.67	-
KVK, Nayagarh	**NGR0910RFS09**	Mahendra Pradhan	23.20	-	-	-	-	-	FCR		2.0	-	-	BC Ratio		1.96	-	-
KVK, Nayagarh	**NGR0910RFS09**	Basudev Sahoo	-	42.18	-	-	-	-	FCR		-	1.1	-	BC Ratio		-	3.03	-
KVK, Nayagarh	**NGR0910RFS09**	Mahendra Pradhan	-	46.40	-	-	-	-	FCR		-	1.0	-	BC Ratio		-	3.31	-
KVK, Nayagarh	**NGR0910RFS09**	Ramesh Barad	-	38.60	-	-	-	-	FCR		-	1.2	-	BC Ratio		-	2.81	-
KVK, Nayagarh	**NGR0900KFR11**	Haresh ku Nayak	-	13kg/tree	-	-	-	-	-	-	-	-	-	-	-		-	
KVK, Nayagarh	**NGR0900KFR11**	Benudhara Nayak	-	15kg/tree	-	-	-		-	-	-	-	-	-		-	-	-
KVK, Nayagarh	**NGR0900KFR11**	Trilochana Dalabehera	-	12..5kg/tree	-	-	-	-	-	-	-		-		-			
KVK, Nayagarh	**NGR0900KFR11**	Trilochana Sahoo	-	16.8kg/tree	-													
KVK, Nayagarh	**NGR0900KFR11**	Bisambar Jena	-	15.9kg/tree	-													
KVK, Nayagarh	**NGR0900KFR11**	Basanta ku jena	-	10kg/tree	-													
KVK, Nayagarh	**NGR0910RFR11**	Manjulatha Jani	598	660	-													
KVK, Nayagarh	**NGR0910RFR11**	Sumitra Jani	620	720	-													
KVK,	**NGR0910RFR11**	Anupama	598	680	-													

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Nayagarh		Jani																	
KVK, Nayagarh	**NGR0910RFR11**	Hiramati Jani	600	690	-														
KVK, Nayagarh	**NGR0910RFR11**	Sanskari Jani	557	660	-														

3. Achievements of Frontline Demonstrations (conducted during 1-04-2009 to 31-03-2010)

(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
KVK, Nayagarh	Paddy	20	Green manuring in direct seeded kharif paddy	Training, leaf lets, exposure visit, video show, news paper	21	240	209
KVK, Nayagarh	Paddy	10	Varietal substitution in paddy	Training, leaf lets, exposure visit, news paper	22	180	220
KVK, Nayagarh	Pea	11	Pyara cropping of field pea	Training, leaf lets, exposure visit, news paper	13	119	161
KVK, Nayagarh	Banana	10	Cultivation of Tissue cultured banana	Training, Farm Visit, Exposure visit, Film show	34	85	30
KVK, Nayagarh	Papaya	10	Cultivation of high yielding variety of papaya	Training, Farm Visit, Exposure visit, Film show	19	98	24
KVK, Nayagarh	Elephant Foot Yam	10	Introduction of improved EFY Var. Gajendra	Training, Farm Visit, Exposure visit, Film show	13	160	17
KVK, Nayagarh	Arrowroot	55	Crop substitution with arrowroot.	Training leaf lets, exposure visit,	35	194	68

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KVK, Nayagarh	Turmeric	10	Introduction of improved Turmeric var. Suroma	Training, Farm Visit, Exposure visit, Film show	16	49	7
KVK, Nayagarh	Paddy	20	Integrated pest management in rice	Training, leaf lets, exposure visit, video show, news paper	12	170	118
KVK, Nayagarh	sugarcane	20	Biological control of sugarcane borers	Training, leaf lets, exposure visit, video show, news paper	32	262	198
KVK, Nayagarh	Bee keeping	19	Bee keeping for rural youth	Training, leaf lets, exposure visit, video show, news paper	15	35	121 Units
KVK, Nayagarh	Brinjal	20	Integrated pest management in brinjal	Training, leaf lets, exposure visit, video show, news paper	17	149	99
KVK, Nayagarh	Tomato	20	Microbial control of tomato fruit and shoot borer	Training, leaf lets, exposure visit, video show, Kisan mela	12	73	38
KVK, Nayagarh	Fresh water prawn	55	Freshwater prawn culture	Trainings, exposure visit, field day, video show	19	55	37
KVK, Nayagarh	Ornamental fish	51	Ornamental fish culture	Trainings, exposure visit, video show, field day	8	39	18 Unit
KVK, Nayagarh	IMC	15	Pond based farming system	Trainings, exposure visit, kisan mela, video show	22	48	33
KVK, Nayagarh	Poultry	51	Backyard poultry rearing	Trainings, exposure visit, kisan mela, video show	35	97	67 units
KVK, Nayagarh	Mushroom	16	Paddy straw mushroom cultivation	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	26	85	-
KVK, Nayagarh	Vegetable	23	Nutritional gardening	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	5	63	3
KVK, Nayagarh	Mushroom	16	Oyster mushroom cultivation	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	14	151	-
KVK, Nayagarh	EFY	10	Introduction of Elephant Foot Yam var. Gajendra	Training, Farm Visit, Exposure visit, Film show	29	183	13

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KVK, Nayagarh	Sugarcane	10	Varietal substitution by high sucrose content variety	Training, Group discussion, News paper coverage	7	21	10
KVK, Nayagarh	Bamboo	11	Growing of bamboo raised through culm cutting method	Training, Farm Visit, Exposure visit, Booklet	17	35	35
KVK, Nayagarh	*Acacia mangium*	11	Growing of *Acacia mangium*	Training, Group discussion, News paper coverage	8	65	6

3.2 Details of FLDs implemented

KVK Name	Type (Crop/ Enterprise)	Name of Crop/ Enterprise	Category of crops*	Category of Enterprise**	Season and year	Thematic area	Area (ha) in case of crop	No. of Units, in case of Enterprise	Size of Unit in case of Enterprise	No. of farmers				
										SC	ST	OBC	Others	Total
KVK, Nayagarh	Crop	Sugarcane	Sugar	-	Rabi 2008-09	Varietal diversification	0.4	-	-	0	0	8	2	10
KVK, Nayagarh	Crop	Sugarcane	Sugar	-	Rabi 2008-09	Integrated weed management	4.0	-	-	0	0	10	0	10
KVK, Nayagarh	Crop	Sugarcane	Sugar	-	Rabi 2008-09	Integrated Nutrient Management	5.0	-	-	3	0	9	03	15
KVK, Nayagarh	Crop	Paddy	Cereal	-	Kharif, 2009	INM	4.0	-	-	0	0	12	0	12
KVK, Nayagarh	Crop	Paddy	Cereal	-	Kharif, 2009	Varietal diversification	2.0	-	-	0	0	8	2	10
KVK, Nayagarh	Crop	Paddy	Cereal	-	Kharif, 2009	Integrated Weed Management	2.0	-	-	0	0	7	3	10
KVK, Nayagarh	Crop	Sugarcane	Sugar	-	Rabi 2008-09	IDM	4	-	-	0	0	10	3	13
KVK, Nayagarh	Crop	Cucumber	Vegetables	-	Rabi 2008-09	IPM	1	-	-	0	0	9	1	10
KVK, Nayagarh	Enterprise	Bee Keeping	Bee Keeping	-	Rabi 2008-09	Bee Keeping	-	10 units	1 Box/unit	0	0	6	4	10

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KVK, Nayagarh	Crop	Paddy	Cereal	-	Kharif 2009	IPM	1	-	-	0	0	2	8	10
KVK, Nayagarh	Crop	Coconut	Plantation	-	Rabi 2009-10	IPM	1	-	-	0	0	0	10	10
KVK, Nayagarh	Enterprise	Bee keeping	Bee keeping	-	Rabi 2009-10	Bee Keeping	-	10 units	1 Box/unit	0	0	3	7	10
KVK, Nayagarh	Crop	Turmeric	Vegetables	-	Khariff 2009	Varietal evaluation	0.08			-	-	9	1	10
KVK, Nayagarh	Crop	Elephant foot yam	Vegetables	-	Khariff 2009	Varietal evaluation	0.04			-	10	-	-	10
KVK, Nayagarh	Crop	Tissue culture banana	Vegetables	-	Khariff 2009	Varietal evaluation	0.26			-	-	-	8	8
KVK, Nayagarh	Crop	Papaya	Vegetables	-	Khariff 2009	Varietal evaluation	0.157			-	-	-	6	6
KVK, Nayagarh	Enterprise	NA	Rice Parboiling unit	-	Rabi 2009-10	Drudgery reduction	-	1	75 kg.	0	0	10	0	10
KVK, Nayagarh	Enterprise	Paddy straw mushroom	NA	Mushroom	Kharif 2008-09	Income generation	NA	1	100 beds of size 2'x 2' each	0	0	20	0	20
KVK, Nayagarh	Crop	Prawn	Freshwater Aquaculture	-	Khariff 2009	Production and managment	0.6	-	-	-	-	-	3	3
KVK, Nayagarh	Crop	IMC	Freshwater Aquaculture	-	Khariff 2009	Production and managment	0.24	-	-	-	-	-	3	3
KVK, Nayagarh	Crop	IMC	Freshwater Aquaculture	-	Khariff 2009	Production and managment	0.6	-	-	-	-	-	3	3
KVK, Nayagarh	Crop	IMC	Freshwater Aquaculture	-	Rabi 2009-10	Diseases of management	4	-	-	-	-	1	3	4
KVK, Nayagarh	Enterprise	Lac	-	Lac production	Rabi 2009-10	Small scale income generating enterprise	-	5	1tree/unit	-	-	-	5	5

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KVK, Nayagarh	Crop	Bamboo	Plantation	-	Kharif 09	Agroforestry	1 ha	-	-	2	-	-	28	30
KVK, Nayagarh	Crop	Mangium	Plantation	-	Kharif09	Agroforestry	0.5ha	-	-	-	-	-	10	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 Details of farming situation

KVK Name	Name of Crop/ Enterprise	Farming situation (Rainfed/Irrigated)	Soil type	Type of Cultivation (Low land/ Mid land/ Up land	Cropping system	Previous crops	Status of soil (kg/ha)			Sowing Time	Harvest date	Seasonal rainfall (mm)	No. of rainy days	Status of the FLD (Completed/ Continued/ Result awaited
							N	P	K					
KVK, Nayagarh	Sugarcane	Irrigated	Loam to clay loam	Medium	Sugarcane (Plant crop) – (Ratoon crop – pulse -Paddy	Paddy	Low	Low	Medium	05-10.01.09	20-30.01.10	1485	68	Completed
KVK, Nayagarh	Sugarcane	Irrigated	Clay loam to clay	Medium	Sugarcane (Plant crop) – (Ratoon crop – pulse -Paddy	Paddy	Low	Low	Medium	11-16.02.09	15-26.02.10	1491	69	Completed
KVK, Nayagarh	Sugarcane	Irrigated	Clay loam to clay	Medium	Sugarcane (Plant crop) – (Ratoon crop – pulse -Paddy	Paddy	Low	Low	Medium	07-15.02.09	20-28.02.10	1491	69	Completed
KVK, Nayagarh	Paddy	Rainfed	Loam to clay loam	Medium	Paddy-Pulse	Green gram	Low	Low	Medium	01-10.07.09	20-25.11.09	1308	54	Completed
KVK, Nayagarh	Paddy	Irrigated	Loam to clay loam	Medium	Paddy-Groundnut	Groundnut	Low	Low	High	01-07.07.09	10-20.11.09	1308	54	Completed
KVK, Nayagarh	Paddy	Rainfed	Loam to clay loam	Medium	Sugarcane (Plant crop) – (Ratoon crop – pulse	Green gram	Low	Low	Medium	02-10.07.09	20-30.11.09	1308	54	Completed

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KVK, Nayagarh	Sugarcane	Irrigated	Clay loam to clay	Medium	Sugarcane (Plant crop) – (Ratoon crop – pulse -Paddy	Paddy	Low	Low	Medium	22-26.2.09	18-25.02.10	1491	69	Completed
KVK, Nayagarh	Cucumber	Irrigated	Loamy to clay loam	Up-medium	Paddy-vegetables	Paddy	Low	Low	Medium	25-30.3.09	05-09.10.09	1308	54	Completed
KVK, Nayagarh	Bee Keeping	Rainfed	-	-	-	-	-	-	-	22-26.2.09	8-15.02.10	1308	54	Completed
KVK, Nayagarh	Paddy	Irrigated	Loamy to clay loam	Medium	Rice-Moong	Moong	Low	Low	Medium	July 2nd week 2009	November IIIrd & Ivth week ,09	1469.1	67	Completed
KVK, Nayagarh	Coconut	Rainfed	Sandy loam	Up	-	-	Low	Low	Medium	Existing coconut plantation	-	1469.1	67	Continued
KVK, Nayagarh	Bee Keeping	Rainfed	-	-	-	-	-	-	-	March IIIrd & IVth week 2010	-	1469.1	67	Continued
KVK, Nayagarh	Turmeric	Rainfed	loamy	Low medium		Colocasia	lm	l	m	Aug 09				Completed
KVK, Nayagarh	Elephant foot yam	Rainfed	alluvial	Low medium		Rabi green gram	lm	l	m	Aug 09				Completed
KVK, Nayagarh	Tissue culture banana	Irrigated	Loamy to clay loam	Medium		Fodder	lm	l	m	Aug 09				Result awaited
KVK, Nayagarh	Papaya	Irrigated	Loamy	Medium		vegetables	lm	l	m	Aug 09				Result awaited
KVK, Nayagarh	Rice parboiling unit	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KVK, Nayagarh	Mushroom cultivation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KVK, Nayagarh	Prawn	Rainfed	Clay loam	Low land	Fish culture	Carps	-	-	-	Sept 09	Apr 2010	28	06	Completed
KVK,	IMC	Rainfed	Clay loam	Low land	Fish culture	Carps	-	-	-	Sept 09	Apr 2010	28	06	Completed

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Nayagarh														
KVK, Nayagarh	IMC	Rainfed	Clay loam	Low land	Fish culture	Carps	-	-	-	Sept 09	Apr 2010	28	06	Completed
KVK, Nayagarh	IMC	Rainfed	Clay loam	Low land	Fish culture	Carps	-	-	-	Dec 09	Apr 2010	28	06	Completed
KVK, Nayagarh	Lac	Rainfed	Sandy loam	upland	Community forests	Community forests	low	low	medium	March	September-October	28	06	Continued
KVK, Nayagarh	Bamboo	Rainfed	Clayloam	Upland	Homestead	NA	low	low	medium	July 09	-	1469	0.1	Completed
KVK, Nayagarh	Mangium	Rainfed	Clay loam	Medium land	Bunds	NA	Low	low	medium	August 09	-	1469	0.1	completed

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3.4 Details of Technology demonstrated

KVK Name	Name of Crop/ Enterprise	Problem Identified	Detail of Farmers practice (Local Check)	Name of Technology	Detail of the technology demonstrated	Source and year of technology released	Thematic Area	Name of Variety Used	Characteristic of the variety	Source of variety and year of release	Whether assessed under OFT or not
KVK, Nayagarh	Sugarcane	Low yield in sugarcane due to cultivation of low yielding and low sucrose content sugarcane varieties.	Cultivation of low yielding and low sucrose content sugarcane variety Co 6907.	Cultivation of high yielding high sucrose content Sugarcane var. Sabita	Cultivation of early maturing, high yielding, high sucrose content sugarcane var. Sabita	AICRP on Sugarcane, 2009	Varietal diversification	Sabita	Early maturing, high yielding, high sucrose content	AICRP on Sugarcane, OUAT, 2009	No
KVK, Nayagarh	Sugarcane	Heavy crop weed competition in intitial crop stages reduces crop growth affecting yield and increasing cost of cultivation.	Manual weeding	Herbicide application in sugarcane.	Pre -emergence application of Atrazine @ 1.25 kg a.i./ha	AICRP on sugarcane, 2006	Integrated weed management	Co- 6907	High yielding	AICRP on sugarcane, 1995	No
KVK, Nayagarh	Sugarcane	Low nitrogen efficiency leading to poor yield.	Application of only prilled urea.	Top dressing of nimin coated urea in sugarcane to increase nitrogen use efficiency.	Top dressing sugarcane with 2% nimin coated urea.	AICRP on sugarcane, 2004	Integrated Nutrient Management	Co- 6907	High yielding	AICRP on Sugarcane, 1995	No
KVK, Nayagarh	Paddy	Poor soil health due to less organic matter content of the soil.	Less / No application of organic manures.	Green manuring Dhaincha in direct seeded paddy.	Sowing dhaincha seeds along with pady seed and incorporating dhaincha at the time of beaushaning.	OUAT, 2005	INM	Swarna	Medium duration, better grain quality, high yielding, susceptible to	ANGRAU, 1993	Yes

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									many diseases and pest.		
KVK, Nayagarh	Paddy	Low yield from cultivation of susceptible varieties like Swarna.	Cultivation of paddy var. Swarna susceptible to diseases pest.	Cultivation of paddy var. Manaswini	Cultivation of high yielding paddy var. Manaswini tolereant to major diseases and pest	OUAT, 2008	Varietal diversification	Manaswini	Medium duration, better grain quality, high yielding, tolerant to major diseases and pest.	OUAT, 2008	Yes
KVK, Nayagarh	Paddy	Initial crop weed competition leads to reduced yield and higher cost of cultivation	Manual weeding	Preemergence herbicide application in direct seeded paddy.	Preemergence herbicide application of butachlor @ 1 kg a.i./ha	AICRP on weed control, OUAT, 2005	Integrated Weed Management	Swarna	Medium duration, better grain quality, high yielding, susceptible to many diseases and pest.	ANGARU, 1993	No
KVK, Nayagarh	Sugarcane	Yield instability in sugarcane due to severe red rot incidence	Cultivation red rot susceptible sugarcane variety Co 6907.	Disease Management by adopting suitable IDM strategy	Soil application of *P..fluorescence* @ 2.5 kg/ha and Sett treatment with Roko @ 1.5 gm/litre of water for 30 mins	SBI, Coimbatore 2007	IDM	CO- 6907	High yielding	AICRP on Sugarcane, 1995	Yes
KVK, Nayagarh	Cucumber	Severe fruit fly incidence	No insecticide application	Pest Management by adopting suitable IPM strategy	Use of poison baits (ripen banana 1 no. + 20 gm gur + 5 ml of malathion) for 3-4 times at 7 days interval	OUAT, 2001	IPM	Barsarani	Good yielding capacity	-	Yes
KVK, Nayagarh	Bee Keeping	Lack of knowledge on apiculture activity	No apiculture activity	Scientific Bee keeping	Scientific Bee Keeping	-	-	*Apic cerena indica*	High honey production potentiality	-	No
KVK, Nayagarh	Paddy	Low yield due to severe stem borer infestation	Indiscriminate use of hazardous	Pest Management by adopting	Folier spray of chloropyriphus @ 1lt/ha + use of trico	OUAT, 2000	IPM	Swarna Masuri	High yield potential but succeptible to	-	Yes

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			pesticides.	suitable IPM strategy.	cards@ 50000/ha for 3 to 4 times at 7 days interval + spraying of neem oil @ 2.5 lt/ha at the reproductive stages + use of trico cards @ 50000/ha for 3 to 4 times at 7 days interval.				sheats blight, blast		
KVK, Nayagarh	Coconut	Low nut yield due to severe eriophyid mite attack	No plant protection measures	Nutrient management through organic, chemical fertilizers and mitemanagement by use of bio pesticides.	Use of Ures, super, potash @ 2 kg each/ pam/yr with root feeding of neemazal twice @ 15 ml/plant/yr. + boron soil application twice @ 250gm/plant/yr.	CDB, 2001	IPM	Existing coconut plantation	-	-	Yes
KVK, Nayagarh	Bee Keeping	Lack of knowledge on apiculture activity	No apiculture activity	Scientific Bee keeping	Scientific Bee Keeping	-	-	*Apic cerena indica*	High honey production potentiality	-	No
KVK, Nayagarh	Turmeric	Low yield from local turmeric	-	Varietal substitution of turmeric	Cultivation of high yielding turmeric var. Suroma		Varietal evaluation	*Suroma*	High yielding		Yes
KVK, Nayagarh	Elephant foot yam	Low yield from yam	-	Introduction of elephant foot yam	Cultivation of high yielding EFY var. Gajendra		Varietal evaluation	Gajendra	High yielding		Yes
KVK, Nayagarh	Tissue culture banana	Low yield from local banana	-	Introduction of tissue culture banana	-	-	Varietal evaluation	Bantala	-	-	Yes
KVK, Nayagarh	Papaya	Low yield from local papaya	-	Introduction of red lady	-	-	Varietal evaluation	Red lady	-	-	Yes
KVK, Nayagarh	Rice Parboiling unit	Drudgery of farm women due to traditional method of rice parboiling.	Parboiling rice in the earthern pots, traditional practice by hand	Rice parboiling unit	Rice parboiling unit 75 kg. capacity saves fuel time and drudgery of farm women.	CRRI, 2004	Drudgery reduction	CRRI model	CRRI model 75 kg. capacity	1995	Yes

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KVK, Nayagarh	Paddy straw mushroom cultivation	Low income of farm women	-	Paddy straw mushroom cultivation in orchard shade.	Scientific method of paddy straw mushroom cultivation under orchard shade	CTMRT, OUAT, 1995	Income generation	V. Volvacea	High yielder i.e., 1.5 kg/bed	CTMRT, 1995	Yes
KVK, Nayagarh	Prawn	Low income only from fish culture	Culture of Indian major carps and exotic carps	Fresh water prawn culture	Fresh water prawn (Scampi) @10,000/Ha was stocked along with catla and rohu	CIFA (2002)	Production and managment	*M. rosenbergii*	Compatible with mixed culture with carps	CIFA, 2002	Yes
KVK, Nayagarh	IMC	Less production from unit based pond ecosystem	Culture of only fish culture and non utilization of pond based area	Pond based farming system	Pond dykes was utilized for production of banana, papaya, vegetables and poultry	OUAT, 2000	Production and managment	*Catla,Rohu, Mrigal*,tissue culture banana, vanaraja	High growth rate and egg laying capacity	CARI, RPRC	Yes
KVK, Nayagarh	IMC	Less production from single fish culture practice	Stocking of fish fry for single culture in a year	Introduction of stunted fish fingerling and yearling	Six month old stunted fish fingerling was stocked @4000/ha with feeding for three month culture period	CIFA, 2008	Production and managment	*Catla,Rohu, Mrigal*	Can grow upto marketable size in three months	CIFA, 2008	Yes
KVK, Nayagarh	IMC	Fish mortality due to diseases	No curative majors for diseases control	CIFAX application for control of EUS diseases	CIFAX applied in the diseased pond @1lit/ha,meter water depth for control of fish diseases	CIFA2002	Diseases of management	CIFAX	Can be utilized as therapeutic and curative medicines with control of pond ecosystem	CIFA, 2002	No
KVK, Nayagarh	Lac	Natural resource under utilized	No lac cultivation	Introduction of lac insect	5kg of brood lac tied on to a single tree on the lower branches	ILRI, Ranchi1981	SSIE	Kusumi lac	High yielding, profitable	ILRI	yes
KVK, Nayagarh	Bamboo	Unavailability of sufficient quantity of bamboo seedlings	Bamboo seedlings	Culm cutting method of propagation	A long pole of bamboo cut into small pieces, rooting induced from notes.	Forest department 2004	Agroforestry	*Bambusa vulgaris*	Hollow bamboo used for construction purposes, stakes	Villages & forest nearby	No
KVK, Nayagarh	Mangium	Bunds unutilized	Bunds in agriculture	Bund planting	Planting fast growing mangium on the	OUAT 2001	Agroforestry	*Acacia mangium*	Fast growing timber	Orissa, Forest Deptt.	No

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			fields left barrel		bunds				species		

3.5 Performance of FLD

A. Production

KVK Name	Name of Crop/Enterprise	Thematic Area	Variety	No. of Farmers	Area (ha)	Production (q/ha)				Increase in yield (%)
						Demonstration			Local Check	
						Maxi	Min	Average		
1	2	3	4	5	6	7	8	9	10	11
KVK, Nayagarh	Sugarcane	Varietal diversification	Sabita	10	0.4	1324	1170	1208	956	26.4
KVK, Nayagarh	Sugarcane	Integrated weed management	Co 6907	10	4.0	1038	902	956	902	6
KVK, Nayagarh	Sugarcane	Integrated Nutrient Management	Co 6907	15	5.0	1126	984	1042	904	15.3
KVK, Nayagarh	Paddy	INM	Swarna	12	4.0	51.4	40.8	46.4	40.0	16
KVK, Nayagarh	Paddy	Varietal diversification	Manaswini	10	2.0	61.8	52.4	57.18	45.0	27
KVK, Nayagarh	Paddy	Integrated Weed Management	Swarna	10	2.0	50.8	41.2	46.5	41.25	12.7
KVK, Nayagarh	Sugarcane	IDM	Co-6907	13	4	1145	975	1060	913	16.1
KVK, Nayagarh	Cucumber	IPM	Barsarani	10	1	130.5	109.6	120.0	102.5	17.07
KVK, Nayagarh	Bee Keeping	Apiary	*Apis cerena indica*	10	10 units	80 kg	50 kg	60 kg	-	100
KVK, Nayagarh	Paddy	IPM	Swarna masuri	10	1.0	49.25	38.55	46.82	34.18	36.98
KVK, Nayagarh	Coconut	IPM	Existing coconut plantation	10	1	Results awaited			-	-
KVK, Nayagarh	Bee keeping	Apiary	*Apis cerena indica*	10	10units	Results awaited			-	-
KVK, Nayagarh	Lac	SSIE	Kusumi	5	0.1	-	-	--	-	-
KVK, Nayagarh	Papaya	Varietal evaluation	Red lady	6	0.157	Results awaited	-	-	-	-
KVK, Nayagarh	Banana	Varietal introduction	Bantala	10	0.4	Results	-	-	-	-

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		(Tissue culture)				awaited				
KVK, Nayagarh	Elephant Foot Yam	Varietal evaluation	Gajendra	10	0.4	200	175	186	138	34. 8
KVK, Nayagarh	Turmeric	Varietal evaluation	Suroma	10	0.08	47	29	40.1	32	25. 3
KVK, Nayagarh	Rice parboiling unit	Drudgery reduction	NA	10	NA	-	-	-	-	-
KVK, Nayagarh	Paddy straw mushroom	Income generation	V. Volvacea	20	100 beds	1.6	1.3	1.48 kg/bed	0.7 kg/bed	200
KVK, Nayagarh	Prawn	Production and managment	*M. rosenbergii*	3	0.6	11.9	10.1	10.8	-	-
KVK, Nayagarh	IMC	Production and managment	*Catla,Rohu, Mrigal,*tissue culture banana, vanaraja	3	0.24	58.4	35.6	48.9	21.05	132.3
KVK, Nayagarh	IMC	Production and managment	*Catla,Rohu, Mrigal*	3	0.6	19.8 (6month)	15.0 (6month)	17.5 (6month)	7.8 (6month)	124.3
KVK, Nayagarh	IMC	Diseases of management	CIFAX	4	4	23.2	19.4	22.8	14.8	54
KVK, Nayagarh	Lac	SSIE	Kusumi	5	0.1	16..9Kg/tree	9 kg/tree	12.9kg/tree	-	-
KVK, Nayagarh	Bamboo	Agroforestry	*B.vulgaris*	3	0.4ha	156cm height (6 months)	113cm height (6 months)	134cm height (6 months)	91cm height (6 months)	41% increase in height of seedlings in 6 months
KVK, Nayagarh	Mangium	Agroforestry	*A.mangium*	30	0.5ha	153 cm height in 6 months	70cm height (6 months)	135cm height (6 months)	-	-

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B. Other Parameters (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated				Data on parameter in relation to technology demonstrated			
		Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check	Name of parameter	Unit	Demo	Local Check
		12	13	14	15	16	17	18	19	20	21	22	23
KVK, Nayagarh	Sugarcane	Cane length	cm.	348	272	Cane diameter	mm	35	29	-	-	-	-
KVK, Nayagarh	Sugarcane	Cane length	cm.	270	258	Cane diameter	mm	28	26	-	-	-	-
KVK, Nayagarh	Sugarcane	Cane length	cm.	291	260	Cane diameter	mm	30	28	-	-	-	-
KVK, Nayagarh	Paddy	Plant height	cm.	104	98	Panicle length	cm	12.5	11	Grains/ panicle	No.	228	205
KVK, Nayagarh	Paddy	Plant height	cm.	112	95	Panicle length	cm	14	13	Grains/ panicle	No.	263	225
KVK, Nayagarh	Paddy	Plant height	cm.	101	97	Panicle length	cm	12.5	11	Grains/ panicle	No.	224	211
KVK, Nayagarh	Sugarcane	Cane length	cm.	278	255	Cane diameter	mm	34	27	Red rot incidence	%	9.8	21..3
KVK, Nayagarh	Cucumber	Fruit fly incidence	%	8.5	19.4	-	-	-	-	-	-	-	-
KVK, Nayagarh	Bee Keeping	-	-	-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	Paddy	Borer incidence	%	9.3	27.1	Panicle length	cm	14.3	12	Grains/ panicle	No.	253	221
KVK, Nayagarh	Coconut	Mite attack	%	Results awaited	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	Bee keeping	Honey yield	Kg	Result awaited	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	Tissue culture banana			Result Awaited									
KVK, Nayagarh	Papaya			Result Awaited									

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KVK, Nayagarh	Rice parboiling unit	NA	NA		-	-	-	-	-	-	-	-	-
KVK, Nayagarh	Paddy straw mushroom cultivation	-	-	-	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	Prawn	Production	Qtl	10.8	-	-	-	-	-	-	-	-	-
KVK, Nayagarh	IMC	Production	Qtl	48.9	21.05	-	-	-	-	-	-	-	-
KVK, Nayagarh	IMC	Production	Qtl	17.5 (6month)	7.8 (6month)	-	-	-	-	-	-	-	-
KVK, Nayagarh	IMC	Production	Qtl	22.8	14.8	-	-	-	-	-	-	-	-
KVK, Nayagarh	Lac	Yield/tree	kg	-	10	-	-	-	-	-	-	-	-
KVK, Nayagarh	Bamboo	Height	Cms	156	91	Sprouts	No	7	4	-	-	-	-
KVK, Nayagarh	Mangium	Height	Cms	153	-	Collar diameter	Cms	15	-	-	-	-	-

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C. Economic Impact (continuation of previous table)

KVK Name	Name of Crop/Enterprise	Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check
KVK, Nayagarh	Sugarcane	82280	74800	241600	191200	159320	116400	2.94	2.56
KVK, Nayagarh	Sugarcane	67865	69250	191200	180400	123335	111150	2.82	2.61
KVK, Nayagarh	Sugarcane	77160	71450	208400	180800	131240	109350	2.70	2.53
KVK, Nayagarh	Paddy	22095	21052	46400	40000	24305	18948	2.1	1.9
KVK, Nayagarh	Paddy	25078	23438	57180	45000	32102	21562	2.28	1.92
KVK, Nayagarh	Paddy	22142	23571	46500	41250	24358	17679	2.1	1.75
KVK, Nayagarh	Sugarcane	80540	73700	210300	175500	129760	101800	2.61	2.38
KVK, Nayagarh	Cucumber	42290	32125	96000	62000	53710	29875	2.27	1.83
KVK, Nayagarh	Bee Keeping	3550	-	9000	-	5200	-	2.54	-
KVK, Nayagarh	Paddy	15850	13700	32430	21800	16580	8100	2.04	1.59
KVK, Nayagarh	Coconut	Result awaited							
KVK, Nayagarh	Bee keeping	Result awaited							
KVK, Nayagarh	Elephant foot yam	61378	46200	100396	70600	42240	24400	1.64	1.51
KVK, Nayagarh	Turmeric	52650	50200	80280	68400	27630	18200	1.53	1.31
KVK, Nayagarh	Tissue culture banana	Result Awaited	-	-	-	-	-	-	-
KVK, Nayagarh	Papaya	Result Awaited	-	-	-	-	-	-	-
KVK, Nayagarh	Rice parboiling unit	-	-	-	-	-	-	-	-
KVK, Nayagarh	Paddy straw mushroom	Rs. 38/bed	Rs. 38/bed	Rs. 118/bed	Rs. 56/bed	Rs. 80/bed	Rs. 18/-	3.11	1.47
KVK, Nayagarh	Prawn	42417	37500	195500	112000	153083	74500	3.6	1.98
KVK, Nayagarh	IMC	45800	37500	151250	108000	105450	70500	2.30	1.88
KVK, Nayagarh	IMC	52800	37500	196500	111000	143700	73500	2.72	1.96
KVK, Nayagarh	IMC	39000	37500	134400	110500	95400	73000	2.44	1.94
KVK, Nayagarh	lac	575/tree	-	2470/tree	-	1895/tree	-	-	4.2

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3.6 Analytical Review of component demonstrations

KVK Name	Crop	Season	Type of Demo (Full Package/ Component)	Components provided by KVK	Components provided by Farmers	Farming situation	Average yield under demonstration(q/ha)	Average yield under Local check (q/ha)	Percentage increase in productivity over local check
KVK, Nayagarh	Sugarcane	Rabi 2008-09	component	Seed cane, Cane treatment chemicals	All other components	Irrigated	1208	956	26.4
KVK, Nayagarh	Sugarcane	Rabi 2008-09	component	Herbicide, Atrazine	All other components	Irrigated	956	902	6
KVK, Nayagarh	Sugarcane	Rabi 2008-09	component	Nimin,	All other components	Irrigated	1042	904	15.3
KVK, Nayagarh	Paddy	Kharif 2009	component	Dhaincha seed	All other components	Rainfed	46.4	40.0	16
KVK, Nayagarh	Paddy	Kharif 2009	component	Paddy seed var. Manaswini	All other components	Irrigated	57.18	45.0	27.1
KVK, Nayagarh	Paddy	Kharif 2009	component	Herbicide Butacholer	All other components	Rainfed	46.5	41.25	12.7
KVK, Nayagarh	Sugarcane	Rabi 2008-09	Component	Chloropyriphos, Roko	All other components	Irrigated	1060	913	16.1
KVK, Nayagarh	Cucumber	Rabi 2008-09	Component	Malathion, neem oil	All other components	Irrigated	120	102.5	17.07
KVK, Nayagarh	Bee Keeping	Rabi 2008-09	Component	Bee colony, Queen gate	Bee box, Drone trap, Smoker and honey extractior	Rainfed	60 kg	-	100
KVK, Nayagarh	Paddy	Kharif 2009	Component	Chemical, Bioagents, Biopesticides	Seeds, Seed treating chemicals, fertilisers	Rainfed	46.82	34.18	36.98
KVK, Nayagarh	Coconut	Rabi 2009-10	Component	Fertilisers, Micronutrients, Biopesticides	Existing coconut plantation	Rainfed	Result awaited		

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KVK, Nayagarh	Bee keeping	Rabi 2009-10	Component	Bee colony, queen gate, smoker	Bee box, Honey extractor, Beevail & drone trap	Rainfed	Result awaited		
KVK, Nayagarh	Elephant Foot Yam	Kharif 2009	Component	Tubers	All other components		186	138	34. 8
KVK, Nayagarh	Turmeric	Kharif 2009	Component	Rhizomes	All other components		40.1	32	25. 3
KVK, Nayagarh	Tissue culture banana	Khariff 2009	Component	Tissue culture banana plants of variety Bantala	All other components	Irrigated	Result awaited		
KVK, Nayagarh	Papaya	Khariff 2009	Component	Papaya cv. Red Lady	All other components	Irrigated	Result awaited		
KVK, Nayagarh	Rice parboiling unit	Rabi 2009-10	Component	Rice parboiling unit	All other components except rice parboiling unit	Na	-	-	-
KVK, Nayagarh	Paddy straw mushroom	Kharif 2008-09	Component	Spawn, polythene	All other components except spawn, pollythene	-	1.48 kg/bed	0.7 kg/bed	111
KVK, Nayagarh	Prawn	Khariff 2009	Component (Scampi seed)	Scampi seed	Fish seed	Rainfed	10.8	-	-
KVK, Nayagarh	IMC	Khariff 2009	Component (planting materials)	Planting materials	Fish seed	Rainfed	48.9	21.05	132.3
KVK, Nayagarh	IMC	Khariff 2009	Component (Fish feed)	Fish feed	Stunted fish fingerling	Rainfed	17.5 (6month)	7.8 (6month)	124.3
KVK, Nayagarh	IMC	Rabi 2009-10	Component (CIFAX)	CIFAX	Fish fry	Rainfed	22.8	14.8	54
KVK, Nayagarh	Lac	Rabi 2009-10	Component	Brood lac	-	Rain fed	-	-	-

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KVK, Nayagarh	Bamboo	Kharif-09	Component	Planting materials	Man power	Rainfed	Seedlings attained hight of 134 cms	Seedlings attained hight of 153 cms	41% in increased in hight in 6 months
KVK, Nayagarh	Mangium	Kharif'09	Component	Planting material	Man power	Rainfed	Seedlings attained hight of 134 cms	-	-

3.7 Technical Feedback on the demonstrated technologies

KVK Name	Crop	Demonstrated Technology	Village	Block Name	Feed Back
KVK, Nayagarh	Sugarcane	Cultivation of early maturing, high yielding, high sucrose content sugarcane var. Sabita	Mardarajpur	Nayagarh	Sugarcane var. Sabita is better than the presently cultivated var. CO 6907 in terms of cane yield sucrose content in tolerance to red rot disease.
KVK, Nayagarh	Sugarcane	Preemergence application of Atrazine @ 1.25 kg a.i./ha	Hariharpur	Odogaon	Herbicide atrazine very effectively and efficiently controls the annual weeds in sugarcane plot. Its application is also economical and labour saving.
KVK, Nayagarh	Sugarcane	Top dressing sugarcane with 2% nimin coated urea.	Mardarajpur	Nayagarh	Nimin treated plots do not show the symptoms of Nitrogen deficiency and the leafs remain green for a long period. Plant growth is better and produces more yield than the control plot.
KVK, Nayagarh	Paddy	Sowing dhaincha seeds alongwith pady seed and incorporating dhaincha at the time of beaushaning.	Mardarajpur, Hariharpur	Nayagarh, Odogaon	Dhaincha is a good source of organic material, improve soil physical properties favouring better crop growth and yield.
KVK, Nayagarh	Paddy	Cultivation of high yielding paddy var. Manaswini tolereant to major diseases and pest	Kantabania, Hariharpur	Nayagarh, Odogaon	Paddy var. Manaswini possesses longer panicles, more numbers of grain/panicle, better grain quality, tolerant to major diseases and pest.
KVK, Nayagarh	Paddy	Pre emergence herbicide application of butachlore @ 1 kg a.i./ha	Mardarajpur	Nayagarh	Herbicide Butachlore very effectively and efficiently controls the annual weeds in direct seeded paddy plot. Its application is also economical and labour saving.
KVK, Nayagarh	Sugarcane	Soil application of *P. fluorescence* @ 2.5 kg/ha and sett treatment	Kantabania	Nayagarh	Application of fungicide Roko in proper time has good control over red rot in sugarcane fields.

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		with Roko @ 1.5 gm/litre of water for 30 minutes.			
KVK, Nayagarh	Cucumber	IPM	Hariharpur	Odagaon	Use of poison baits (Ripen bananna (1 no) + 20 gm gur + 5ml Malatheon has a good control over fruitfly in cucumber.
KVK, Nayagarh	Bee Keeping	Bee keeping	Rampada	Bhapur	Beekeeping has a lot of scope as the district has good coverage of natural forest.
KVK, Nayagarh	Paddy	IPM	Hariharpur	Odagaon	All the farmers appreciated the performance of the demonstration and ready to adopt the technology.
KVK, Nayagarh	Coconut	IPM	Malatipur	Nayagarh	-
KVK, Nayagarh	Bee keeping	Scientific beekeeping	Mardarajpur, Manapur, Jogiapali & Janisahi	Nayagarh, Khandapara & Dasapalla	- All the farmers appreciated the performance of the demonstration and ready to adopt the technology.
KVK, Nayagarh	Elephant foot yam	Introduction of elephant foot yam	Saliajhari	Odagaon	All the farmers appreciated the performance of the demonstration and ready to adopt the technology.
KVK, Nayagarh	Turmeric	Introduction of Turmeric variety Suroma	Kantabania	Nayagarh	All the farmers appreciated the performance of the demonstration and ready to adopt the technology.
KVK, Nayagarh	Tissue culture banana	Introduction of tissue culture banana	Kantabania	Nayagarh	-
KVK, Nayagarh	Papaya	Introduction of red lady	Balugaon	Nayagarh	-
KVK, Nayagarh	Rice parboiling unit	Rice parboiling unit	Malatipur	Nayagarh	Rice parboiling unit developed by CRRI, Cuttack is quite efficient in reducing the drudgery of the farm women. Besides it saves time and fuel and money.
KVK, Nayagarh	Paddy straw mushroom	Scientific method of paddy straw mushroom cultivation under orchard shade	Godisahi	Nayagarh	All the farm women appreciated the performance of the demonstration and ready to accept the techniques.
KVK, Nayagarh	Prawn	Fresh water prawn culture	Dashipur Laxmiprasad Panipoila	Gania Khandapara Nayagarh	Fresh water prawn (Scampi) can fetches good market price compared to fishes. Cold storage facility can fetches good price during lean season. Prawn seed production hatchery in nayagarh can get better survival of prawn seed during transportation.
KVK, Nayagarh	IMC	Pond based farming system	Kantabania Lenkudipada Nuagaon	Nayagarh Odagaon Nuagaon	Pond dykes were better utilized compared to others. Round the year employment generation. Nutritional security is available for the family. More production and productivity in unit area.

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KVK, Nayagarh	IMC	Introduction of stunted fish fingerling and yearling	Rampada Hariharpur Bakalbandh	Bhapur Odagaon Nuagaon	With this practice more than single crop like 2-3 crops in a year can be conducted leads to more profit in a year. Seed raising in own land is required. The fish stunted fingerling can be sold to others for commercial purposes.
KVK, Nayagarh	IMC	CIFAX application for control of EUS diseases	Hariharpur Rampada Malatipur Solpata	Odagaon Bhapur Nayagarh Odagaon	CIFAX controls all diseases in fishes. It keeps the water quality of fish pond including plankton level. It can be used as preventive during month of October. Water level in pond can also reduces the level of CIFAX utilization.
KVK, Nayagarh	Lac	Introduction of lac	Kantabania	Nayagarh	Kusum trees are not concentrarted, and occurance is not extensive, so large scale introduction could not be achieved
KVK, Nayagarh	Bamboo	Culm cutting method	Malatipur	Nayagarh	Culm cutting methor showed increased height growth and increased number of sprouts than conventional seedlings
KVK, Nayagarh	Mangium	Bund planting	Khadapada, Malatipur, Balugaon	Nayagarh	Planting trees in the bunds help utilize the space which is otherwise unutilised

3.8 Farmers' reactions on specific technologies

KVK Name	Crop	Demonstrated Technology	Farmers' Name	Village	Block	Feed Back
KVK, Nayagarh	Sugarcane	Cultivation of early maturing, high yielding, high sucrose content sugarcane var. Sabita	Gopinath Sahoo	Mardarajpur	Nayagarh	Sugarcane var. Sabita is better than the presently cultivated var. CO 6907 in terms of cane yield sucrose content in tolerance to red rot disease.
KVK, Nayagarh	Sugarcane	Preemergence application of Atrazine @ 1.25 kg a.i./ha	Pabitra Pradhan, Khadala Pradhan, Kedarnath Pradhan	Hariharpur	Odogaon	Herbicide atrazine very effectively and efficiently controls the annual weeds in sugarcane plot. Its application is also economical and labour saving.
KVK, Nayagarh	Sugarcane	Top dressing sugarcane with 2% nimin coated urea.	Madan Mohan Biswal, Damodar Sahoo, Gopinath Sahoo	Mardarajpur	Nayagarh	Nimin treated plots do not show the symptoms of Nitrogen deficiency and the leavess remain green for a long period. Plant growth is better and produces more yield than the control plot.
KVK, Nayagarh	Paddy	Sowing dhaincha seeds along with pady seed and incorporating	Dasarathi Swain, Benudhar Sahu, Kailash Sahoo	Mardarajpur	Nayagarh	Dhaincha is a good source of organic material, improve soil

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		dhaincha at the time of beushaning.				physical properties favouring better crop growth and yield.
KVK, Nayagarh	Paddy	Cultivation of high yielding paddy var. Manaswini tolerant to major diseases and pest	Prabhat Nayak, Gobinda Majhi, Banchanidhi Jena, Bipra Charan Biswal	Kantabania, Hariharpur, Janisahi	Nayagarh, Odogaon, Daspalla	Paddy var. Manaswini possesses longer panicles, more numbers of grain/panicle, better grain quality, tolerant to major diseases and pest.
KVK, Nayagarh	Paddy	Pre-emergence herbicide application of butachlore @ 1 kg a.i./ha	Arun Swain, Gopinath Sahoo, Dasarathi Swain	Mardarjpur	Nayagarh	Herbicide Butachlore very effectively and efficiently controls the annual weeds in direct seeded paddy plot. Its application is also economical and labour saving.
KVK, Nayagarh	Sugarcane	Soil application of *P. fluorescence* @ 2.5 kg/ha and sett treatment with Roko @ 1.5 gm/litre of water for 30 minutes.	Santosh ku Nayak, Jogendra Mohanty	Kantabania	Nayagarh	Very good control obtained
KVK, Nayagarh	Cucumber	Use of poison baits (Ripen banana 1 no + 20 gm gur + 5ml Malathion for 3 to 4 times at 7 days interval	Pramod ku Barad, Kishore Nayak	Hariharpur	Odagaon	Good control observed
KVK, Nayagarh	Bee keeping	Scientific Bee keeping	Ramesh ch Barad, Nakula Swain	Rampada	Bhapur	Satisfied with the Scientific Bee Keeping technology which provides very good return to the farmers in long term.
KVK, Nayagarh	Paddy	Foliar spray of cholropyriphos @ 11t/ha + use of trico cards @ 50000/ha for 3 to 4 times at 7 days interval + spraying of neem oil @ 2.5lt/ha at the reproductive stages + use of tricho cards @ 50000/ha for 3 to 4 times at 7 days interval.	Pabitra Barada, Banchanidhi Sahoo	Hariharpur	Odogaon	Satisfied with the low cost IPM technology.
KVK, Nayagarh	Coconut	Use of Urea, Super, Potash @ 2 kg each/ palm/yr with root feeding of neemazal twice @ 15ml/plant/yr + boron soil application twice @ 250 gm/plant/yr	Brundabana Pati, Suresh Ch. Pati	malatipur	Nayagarh	Result awaited
KVK, Nayagarh	Bee keeping	Scientific Bee Keeping	Bipra Charana Biswal, Pabitra Barada, Bipina	janisahi	dasapalla	Result awaited

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			Bihari Panda			
KVK, Nayagarh	Elephant Foot Yam	EFY variety Gajendra	Nakula Pradhan, Mangaraj Pradhan	Saliajhari	Odagaon	Elephant Foot Yam var. Gajendra is better than the presently cultivated local desi variety in terms of tuber yield . Some farmers appreciated the performance of the demonstration and ready to accept the techniques
KVK, Nayagarh	Turmeric	Introduction of turmeric variety Suroma	Niranjan Guru, Basanta ku. Pradhan	Kantabania	Nayagarh	Turmeric variety Suroma is better in terms of rhizome yield than the local variety . Some farmers appreciated the performance of the demonstration and ready to accept the techniques
KVK, Nayagarh	Tissue culture banana	Introduction of tissue culture banana variety Bantala	Basanta ku. Pradhan, Madhaba Nayak	Kantabania	Nayagarh	Result awaited
KVK, Nayagarh	Papaya	Introduction of papaya variety Red Lady	Tofan Charan Nayak, Pabitra Ku. Nayak	Balugaon	Nayagarh	Result awaited
KVK, Nayagarh	Rice parboiling unit	Rice parboiling unit	Mrs. Ramamani Rath, Mrs. Sanjulata Pati	Malatipur	Nayagarh	Rice parboiling unit developed by CRRI, Cuttack is quite efficient in reducing the drudgery of the farm women. Besides it saves time and fuel and money.
KVK, Nayagarh	Paddy straw mushroom	Scientific method of paddy straw mushroom cultivation under orchard shade	Mrs. Kamalini Parida	Godisahi	Nayagarh	All the farm women appreciated the performance of the demonstration and ready to accept the techniques.
KVK, Nayagarh	Prawn	Fresh water prawn culture	Ananda Ch. Dalei	Laxmiprasad	Khanapada	Prawn seed production hatchery in nayagarh can get better survival of prawn seed during transportation
KVK, Nayagarh	IMC	Pond based farming system	Abhaya Ch. Swain	Nuagaon	Nuagaon	Pond dykes were better utilized compared to others. Round the year employment generation. Nutritional security is available for

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						the family.
KVK, Nayagarh	IMC	Introduction of stunted fish fingerling and yearling	Ramesh Ch. Barad	Rampada	Bhapur	Seed raising in own land is required. The fish stunted fingerling can be sold to others for commercial purposes.
KVK, Nayagarh	IMC	CIFAX application for control of EUS diseases	Trinath behera	Malatipur	Nayagarh	CIFAX controls all diseases in fishes. It keeps the water quality of fish pond including plankton level.
KVK, Nayagarh	Lac	Introduction of lac on Kusum	Shankar Nayak,Chakradhar Jena, Ramesh ch mohanty	Kantabania	Nayagarh	Impressed by the lac production but complained about the inaccessible areas in which the trees are located
KVK, Nayagarh	Bamboo	Culm utting method of propagation	Dhoba Jena, bhagirathi Satwa	Kantabania	Nayagarh	Appreciated the performance of the seedlings and were ready to accept the technique
KVK, Nayagarh	Mangium	Bund planting of A.mangium	Brinaban Pati,Jayadev Jena,ramesh Ku Jena	Malatipur	Nayagarh	Farmers were ready to plant the trees on the bunds provided it doesn't shade the crops

3.9 Extension and Training activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
KVK, Nayagarh	Sugarcane	Field days	1	50	-
KVK, Nayagarh		Farmers Training	2	50	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	1	15	
KVK, Nayagarh	Paddy	Field days	1	50	-
KVK, Nayagarh		Farmers Training	2	50	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	2	30	-
KVK, Nayagarh	Cucumber	Field days	-	-	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	1	-	-

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KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Paddy	Field days	1	50	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Coconut	Field days	1	50	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Bee Keeping	Field days	-	-	-
KVK, Nayagarh		Farmers Training	1	20	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Elephant Foot Yam	Field days	-	-	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Turmeric	Field days	-	-	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	1	-	-
KVK, Nayagarh		Training for extension functionaries	-	-	-
KVK, Nayagarh	Prawn	Field days	1	50	-
KVK, Nayagarh		Farmers Training	1	25	-
KVK, Nayagarh		Media coverage	5		-
KVK, Nayagarh		Training for extension functionaries	1	15	-
KVK, Nayagarh	IMC (Indian Major carp)	Field days	1	50	-
KVK, Nayagarh		Farmers Training	6	150	-
KVK, Nayagarh		Media coverage	4		-
KVK, Nayagarh		Training for extension functionaries	2	30	-

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KVK, Nayagarh	Lac	Field Days	-	-	-
KVK, Nayagarh		Farmers Training	1	20	-
KVK, Nayagarh		Media coverage	-	-	-
KVK, Nayagarh		Training for extension functionaries	1	15	-

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