FORMAT
FOR
ANNUAL REPORT OF THE KVKs IN ZONE VII

Contents

PERIOD – April, 2011 to March, 2012

Summary of the activities

KVK Name	Activity	Target		Achievement		
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	Total value of resource generated/Fund received from diff. sources (Rs.)
	OFTs	22	161	21	133	-
	FLDs – Oilseeds (activity in ha)	10 ha	34	10 ha	34	-
	FLDs – Pulses (activity in ha)	10ha	30	10 ha	33	-
	FLDs – Cotton (activity in ha)	-	-	-	-	-
	FLDs – Other than Oilseed and pulse crops(activity in ha)	20	19.2	20	19.2	-
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	22 units	2	22 units	-
	Training-Farmers and farm women	69	1725	69	1725	-
	Training-Rural youths	22	440	22	440	-
	Training- Extension functionaries	8	200	8	200	-
	Extension Activities					-
	Seed Production (Number of activity as seeds in quintal)	-	-	-	-	-
	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	-
	Seedling Production (Number of activity as number of seedlings in numbers)	5000	50	35610	107	7122.00
	Sapling Production (Number of activity as number of sapling in numbers)	6500	-	5727	254	36873.50
	Other Bio- products (No. of quantity)	5 qtl	80	5 qtl	100	5350.00
	Livestock products	1500	-	1468	49	58720.00
	Activities of Soil and Water Testing Laboratory	-	-	-	-	-
	Rainwater Harvesting System	-	-	-	-	-
	Kisan Mobile Advisory (KVK-KMA)	-	-	25	2270	-
	SAC Meeting (Date & no. of core/ official members)	1 16.06.11	20	1 16.06.11	20	-
	Literature to be Developed/Published	24	2500	27	3600	-
	Convergence programmes / Sponsored programmes	-	-	1	50	-
	Utilization of Farmers Hostel					-
	Utilization of Staff Quarters	-	-	-	-	-

KVK Name	Activity	Target		Achievement		
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	Total value of resource generated/Fund received from diff. sources (Rs.)
	Details of KVK Agro-technological Park	-	-	-	-	-
	Crop Cafeteria-					-
	Farm Innovators- list of 10 farm innovators from the District	-	-	**2**	**2**	-
	Status of Revolving Funds	-	-	-	-	**1,14,066.00**
	Awards and Recognitions	-	-	**4**	**4**	
	Case study / Success Story to be developed	**2**	-	**2**	-	
	KVK Progressive Farmers interaction	**2**	**100**	**2**	**100**	-
	Outreach of KVK in the District (No. of blocks, no. of villages)	**5 blocks 26 villages**	-	**8 blocks 93 villages**	-	-
	Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
	KVK Ring	-	-	-	-	-
	Important visitors to KVK	-	-	-	**7**	-
	Status of KVK Website	-	-	-	-	-
	Status of RTI	-	-	-	-	-
	E-connectivity	-	-	-	-	-
	Details of Technology Week Celebrations	**1**	**500**	**1**	**730**	-
	Interventions on Drought Mitigation	-	-	-	-	-
	Proposal of NAIP	-	-	-	-	-
	Proposal of NICRA	-	-	-	-	-
	Well labeled photographs	-	-			-
	Other Activities	-	-			-

1. GENERAL INFORMATION

1.1. Staff Position (as on date 31.03.12)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Speciali-zation	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
KVK, Nayagarh	Programme Coordinator	Mrs. Shelly Dash	Programme Coordinator	M.A	Home Sc.	15600-39100	36630	17.07.09	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist1	Mr. Anil Kumar Swain	SMS (Fisheries)	M.F.Sc	Fisheries	15600-39100	19810	11.03.05	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist2	Mr. Arjuna Mohan Prusti	SMS (Plant Breeding)	M. Sc (Ag)	Plant Breeding	15600-39100	18320	01.09.08	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist3	Mr. Trinath Khandaitaray	SMS (Plant Protection)	M. Sc (Ag)	Entomology	15600-39100	19050	20.07.09	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist4	Mrs. Smitha G. Nair	SMS (Forestry)	M.Sc (Forestry)	Forestry	15600-39100	16920	05.10.09	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist5	Mr. Tribijayi Badjena	SMS (Agril. Extension) Joined on 07.04.10	M.Sc (Ag)	Agril. Extension	15600-39100	16250	07.04.10	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist6	Mr.Amitabh Panda	SMS, Horticulture	M.Sc (Ag.)	Horticulture	15600-39100	19810	04.04.11	Temporary	Other
KVK, Nayagarh	Programme Assistant	Mrs. Rosalin Praharaj	Pro. Asst. (Computer)	B.Sc (PGDCA)	Computer	9300-34800	11470	10.03.06	Temporary	Other
KVK, Nayagarh	Farm Manager	Mr. Bipin Kumar Pradhan	Farm Manager	M. Sc	Plant Pathology	9300-34800	9300	28.09.11	Temporary	Other
KVK, Nayagarh	Computer Programmer	Mr. Bikram Keshari Parimanik	Pro. Asst. (Forestry)	B.Sc	Forestry	9300-34800	11470	16.10.06	Temporary	Other
KVK, Nayagarh	Accountant / superintendent	-	Vacant	-	-	-	-	-	Temporary	Other
KVK, Nayagarh	Stenographer	-	Vacant	-	-	-	-	-	Temporary	Other
KVK, Nayagarh	Driver	Mr. Rabi Narayan Mohapatra	Driver/Mechanic	Intermediate	-	5200-20200	5640	22.07.08	Temporary	Other
KVK, Nayagarh	Driver	Mr. Jagannath Sahoo	Driver/Mechanic	Matric	-	5200-20200	5640	28.03.11	Temporary	Other
KVK, Nayagarh	Supporting staff	Mr. Prasanna Martha	Peon/Watchman	ME	-	4440-7440	5180	19.12.07	Temporary	Other
KVK, Nayagarh	Supporting staff	Mr. Gunanidhi Bauta	Peon/Watchman	ME	-	4440-7440	5180	19.12.07	Temporary	Other

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

1.	Geographical area of the district	3,94,110 ha (4242 sq.km)
2.	Height from mean sea level	90 mtr.
3.	No. of subdivisions	1
4.	No. of Tahasils	8
5.	No. of NAC	2
6.	No. of CD blocks	8
7.	No. of GPs	179
8.	No. of revenue villages	1531
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%, 1,21,409
12.	Literacy	70.52%
	Male	82.66%
	Female	57.64%
13.	Annual Rainfall	1354.3mm
14.	Max temperature	44.0^0C
15.	Minimum temperature	11.0^0C
16.	Population density	222/sq. km.
17.	Area under forest	38,086 ha.
18.	Area under cultivation	1,36,841 ha.
	High land	53,192 ha
	Medium land	46,866 ha
	Low land	36,783 ha
19.	Kharif irrigated area	43577 ha.
	Rabi irrigated area	14483 ha.
20.	Classification of land holding	
	Less than 1 ha.	1,13,730 no.
	Between1 to 2 ha.	18,443 no.
	Above 2 ha.	11910 ha.

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2012 to 31.3.2013 (Approved by competent Authority in meetings/workshops)

Details of Adopted village (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)
Nayagarh	Janisahi	2009	Dasapalla	50 km	950	850
Nayagarh	Rampada	2009	Bhapur	20km	625	575
Nayagarh	Mardarajpur	2010	Nayagarh	25km	700	658
Nayagarh	Malatipur	2010	Nayagarh	12km	570	435
Nayagarh	Bajrakote	2011	Ranpur	35km	250	115

1.4. 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 ecofriendly pesticides and bio-control agents and IPM practices for borers in sugarcane, paddy 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 models.
KVK Nayagarh	Scientific method of fish production with freshwater prawn culture, integrated farming system research and stunted fingerlings & yearlings stocking.
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 products.

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

KVK Name	Problems identified
KVK Nayagarh	PADDY : Low grain yield - poor nutrition- Heavy weed infestation-High grain loss – BPH, stem borer, sheath blight/rot, blast & BLB
KVK Nayagarh	MOONG : Low productivity – Little Nutrition- High storage loss – Pulse beetle, root rot & YMV incidence
KVK Nayagarh	SUGARCANE : Increase in production cost – Closer spacing-High Seed requirement – Manual weeding-Low MC production – Poor N management- Incident of ESB, IB & SB.
KVK Nayagarh	Maize: Low productivity, use of low yielding non adoptable varieties, imbalanced nutrient management, heavy weed infestation in early stage. Severe pest & disease incidence throughout the crop growth.
KVK Nayagarh	COLOCASIA : Increase in production cost – Manual weeding-Growth retardation Blight & Corm Rot
KVK Nayagarh	TUBER CROPS : Deep rooted longer duration Yam - poor acceptance- less yield potential Sweet Potato – Poor acceptance, Slow multiplication rate, weevil incidence
KVK Nayagarh	GROUNDNUT : Increased production cost – Manual weeding-Poor plant stand – Early stage wilting
KVK Nayagarh	SUNFLOWER : Low yield – Increased Chaffiness-pest & disease incidence
KVK Nayagarh	COCONUT : Fruit drop- Eriophyid mite attack-Low yield in local types
KVK Nayagarh	MANGO: Fruit drop- Mango hopper & Bark eating caterpillar
KVK Nayagarh	BRINJAL : Fruit and Shoot borer Incidence- Wilting
KVK Nayagarh	COLE CROPS: Tobacco caterpillar incidence- Low yield in local types
KVK Nayagarh	TOMATO: Low yielding local types, severe wilt & fruit borer incidence.
KVK Nayagarh	FOREST TREES : Untapped forest resources , Deforestation due to heavy demand on fuel wood, timber and fodder demand
KVK Nayagarh	FISHERY: Poor pond management Predatory and weed fish in fish ponds High seed mortality Improper stocking ratio and density Poor feeding management Single crop culture practice, Less income from pisciculture Less income from fish culture without any foreign money No fish yield from backyard water logging area Less income of SHGs from fisheries
KVK Nayagarh	OTHERS: Underutilization of orchard shade (cashew and mango)-Straw scarcity for mushroom production - Lack of income generating vocation for women & rural youths- 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.

2. On Farm Testing

2.1 Information about OFT to be conducted

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter) Yield (Qtl/ha)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Nayagarh	Kharif 2011	Low yield in paddy	Assessment	Varietal Evaluation	Paddy	Irrigated	1ha	10	Assessment of paddy var. Mrinalini	42.4	49.2	18862	26086
Nayagarh	Kharif 2011	Yield plateau in medium land paddy	Assessment	Weed management	Paddy	Irrigated	1ha	10	Assessment of paddy Hyb. Ajaya	47.50	57.12	22100	31490
Nayagarh	Rabi 2011-12	Low yield in green gram due to soil acidity	Assessment	Soil health management	Green gram	Rainfed	1ha	10	. Assessment of effect of PMS on yield in greengram.	4.98	5.93	10950	14200
Nayagarh	Rabi 2011-12	High density planting reduces cane yield and increases production coist	Assessment	Integrated crop mgt.	Sugarcane	Irrigated	0.4ha	5	Assessment of SSI (Bud Chip) method of planting in Sugarcane.	Crop is in tillering stage			
Nayagarh	Kharif 2011	Yield un-stability due to severe BPH incidence	Assessment	IPM	Paddy	Rainfed	1.0ha	10	Assessment of neo-nicotinoids for BPH management in rice.	43.2	52.5	16031	24425
Nayagarh	Rabi 2011-12	Low yield in greengram due to severe Root Rot and YMV problem	Assessment	IDM	Greengram	Rainfed	0.5ha	10	Assessment of fungicides for root rot & YMV in green gram	3.81	4.98	7643	12388
Nayagarh	Kharif 2011	Heavy cob borer incidence in maize	Assessment	IDM	Maize	Irrigated	1.0ha	10	Assessment of IPM measures for cob borer mgt. in maize	39.2	47.3	13126	19900
Nayagarh	Rabi 2011-12	Low yield in yam due to local variety	Assessment	Varietal evaluation	Cauliflower	Irrigated	0.4ha	5	Assessment of Boron application in Cauliflower	175.5	224.5	16200	54750
Nayagarh	Rabi 2011-12	High mortality due to fungal wilt at early stage of crop growth	Assessment	IDM	Groundnut	Canal irrigated	1.0ha	10	Assessment of fungicides for control of wilt in groundnut.	13.5	17.2	11976	19244
Nayagarh	Kharif 2011	Low yield in yam due to local variety	Assessment	Varietal evaluation	Yam	Rainfed	0.5 ha	5	Assessment of Yam var. Orissa elight	176.9	234.2	49,230	79,440
Nayagarh	Rabi 2011-12	Severe pest & disease incidence in local varieties	Assessment	INM	Pointed gourd	Flow irrigation	0.5 ha	5	Nutrient management in Pointed Gourd	157.9	204.5	41,035	61,725
Nayagarh	Kharif 2011	Drudgery due to manual stripping of	Assessment	Drudgery reduction	Maize sheller		1unit	5	Assessment of Maize Sheller	17.1 Kg/Hr	27.1 Kg/Hr	3150	4950

		Sugarcane leaves											
Nayagarh	Rabi 2011-12	Problem in primary processing	Assessment	Drudgery reduction	Sugarcane Stripper		1unit	10	Assessment of sugarcane stripper	38Kg/hr	46Kg/Hr	6300	7875
Nayagarh	Kharif 2011	Less income from pond based pisciculture	Assessment	Integrate crop mgt.	Poultry	Rainfed,	2	2	Assessment of poultry in pond based farming system	20.89q/ha	34.62qt/ha	68,500	84,300
Nayagarh	Kharif 2011	Low production from Indian major carps	Assessment	Evaluation of breeds	*Pangasius*	Irrigated, medium land	2	2	Assessment of *Pangacius suchi*	20.16q/ha	42.82q/ha	64,680	86,500
Nayagarh	Rabi 2011-12	Non availability of common carp fish seed	Assessment	Varietal evaluation	Exotic carps	Rainfed,	2	2	Assessment of happa breeding in common carp	-	2.3lakh/ha	-	61,450
Nayagarh	Rabi 2011-12	Performance of local desi goat on milk and meat production is low	Assessment	Varietal evaluation	Goatery	Open forest land	1	1	Assessment of jamunapari buck	17.2kg meat/goat	Result awaited	-	-
Nayagarh	Rabi 2011-12	Unexpected summer showers and cloudy weather make the mahul flowers blackish and inferior in quality due to insufficient drying	Assessment	Value addition	Mahul	Upland Rainfed	1 No	1	Assessment of efficiency of solar dehydrator for drying of mahul flowers	No .of days taken for drying-7 % wastage-9%	No.of days taken for drying 3 wastage-27.2%	Rs. 233.6/ tree/season	Rs. 181.72/tree/season-
Nayagarh	Kharif 2011	Underutilized interspaces of old mango orchards	Assessment	AGF	Black Pepper	Upland Rainfed	0.4ha	5	Assessment of growth & yield black pepper var. Panniyur 1 in mango orchard	No intercropping practised	Exp. result 1.5 kg/vine after 3 yrs	-	Exp returrs Rs. 540/vine
Nayagarh	Kharif 2011	Slow growth rate and establishment of seed originated seedlings	Assessment	Value addition	Teak	Upland Rainfed	1Ha	4	Assessment of stump planting technique in teak for agro forestry models-	Av ht ot seerling-78 cm. Av cd-8cm,survival% 79	Av ht ot seerling-1.2 m Av cd- 9.1 cm,survival% 90	-	-
Nayagarh	Rabi-2011-12	Low yield from local	Assessment	Varietal evaluation	Tomato	Irrigated	0.4	4	Assessment of HYV Tomato Utkal Raja	279.3	374.5	29,290	54,650

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	**For Farmers**	**For Deptt. Personnel**
Assessment of paddy var. Mrinalini	Paddy HYV Mrinalini produces an average paddy yield of 49.2 q/ha in low land irrigated condition which is 16% higher than HYV pooja.	Paddy HYV Mrinalini produces an average paddy yield of 49.2 q/ha in low land irrigated condition which is 16% higher than HYV pooja. Seed material of this variety should be made available in time at G.P. level .
Assessment of paddy Hyb. Ajaya	Paddy Hyb. Ajaya produces an average paddy yield of 57.12 q/ha in mesium land irrigated condition which is 20.25% higher than HYV MTU 1001.Besides it has very good grain quality.	Paddy Hyb. Ajaya produces an average paddy yield of 57.12 q/ha in mesium land irrigated condition which is 20.25% higher than HYV MTU 1001. .Besides it has very good grain quality. Seed material of this variety should be made available in time at G.P. level .
.Assessment of effect of PMS on yield in greengram.	Application of PMS in acid soil @ 5.0q/ha at the time of land preparation produces average seed yield of 5.93 q/ha which is 19.1% higher than untreated control plot.	Application of PMS in acid soil @ 5.0q/ha at the time of land preparation produces average seed yield of 5.93 q/ha which is 19.1% higher than untreated control plot. PMS should be made available in time at G.P. level .
Assessment of IPM measures for cob borer mgt. in maize	Soil application of carbofuran @ 12 kg/ha + use of tricho-cards @ 50,000/ha for 2-3 times+ need based spraying of triazophos @ 1ltr/ha for 3-4 times at 10 days interval	Soil application of carbofuran @ 12 kg/ha + use of tricho-cards @ 50,000/ha for 2-3 times+ need based spraying of triazophos @ 1ltr/ha for 3-4 times at 10 days interval
Assessment of fungicides for root rot & YMV in green gram	Seed treatment with carboxyn 37.5% and thiram 37.5% @ 1.5gm/kg of seed + foliar spray of neem oil @ 2.5ltr/ha for 3-4 times at 10 days interval + installation of yellow sticky traps @ 20nos/ha	Soil application of carbofuran @ 12 kg/ha + use of tricho-cards @ 50,000/ha for 2-3 times+ need based spraying of triazophos @ 1ltr/ha for 3-4 times at 10 days interval
Assessment of fungicides for control of wilt in groundnut.	Seed treatment with carboxyn 37.5% and thiram 37.5% @ 1.5gm/kg of seed+ seedling treatment with carboxyn 37.5% and thiram 37.5% @ 1.5gm/ltr of water	Seed treatment with carboxyn 37.5% and thiram 37.5% @ 1.5gm/kg of seed+ seedling treatment with carboxyn 37.5% and thiram 37.5% @ 1.5gm/ltr of water
Assessment of growth & yield black pepper var. Panniyur 1 in mango orchard	Intercropping of mango orchards with high yielding varieties of pepper like Panniyur 1 @ 2-3 plant per tree produces 1.5-3 kg of pepper/vine	Planting material high yielding varieties of pepper should be made available at the block level to ensure intercropping
Assessment of efficiency of solar dehydrator for drying of mahul flowers	Drying of Mahul flowers in solar dehydrators made using UV stabilised LDPE is very efficient for drying Mahul flowers, it is easy to construct and can be used for drying other forest produce as well	Permanent solar dehydrators should be erected in Tribal areas to facilitate easy drying of forest produce
Assessment of *Pangasius suchi* production	The production of P*angasius* can be increased with the proper management of the feed. It can withstand hardy environment condition.	More area can be covered for *Pangasious* production
Assessment of sugarcane stripper	Satisfied with the technology, as it helps to reduce the drudgery & chances of injury to workers	Good result was obtained. It is hand tool for stripping of sugarcane leafs & dinting of cane after harvest.
Assessment of maize seller	The productivity of workers increased 1.6 times than traditional practice. The chances of injury to fingers are eliminated.	Satisfactory performance was achived.Use of maize sheller increases the productivity of workers by 1.6 times.
Assessment of Boron application in Cauliflower	Foliar spray of Borax @ 0.25% at 45 and 60 days after planting along with RFD (120-60-60kg NPK/ha)	Foliar spray of Borax @ 0.25% at 45 and 60 days after planting along with RFD (120-60-60kg NPK/ha)

Assessment of Yam var. Orissa elite	Seed rate- 20 q/ha, avg. Tuber size- 200 g., spacing 90x75 cm.	Avg Yield 25t/ha.,7 mont duraton,brown skin ad white flesh, easy to harvest, long storage life.
Assessment of HYV of Tomato Utkal Raja	Seed rate- 500g/ha, spacing 75x75 cm., staking of tomato plants	Avg Yield 39t/ha., thick skin, suitable for long distance transport.

2.2 Economic Performance

KVK name	OFT Title	Yield (qtl/ha)			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	FP (T_1)	RP(T_2)	T3	FP (T_1)	RP (T_2)	T3
Nayagarh	Assessment of paddy var. Mrinalini	42.4	49.2	-	26930	27050	-	45792	53136	-	18862	26086	-	1.70	1.96	-
Nayagarh	Assessment of paddy Hyb. Ajaya	47.50	57.12	-	29200	30200	-	51300	61690	-	22100	31490	-	1.76	2.04	-
Nayagarh	. Assessment of effect of PSM on yield in greengram.	4.98	5.93	-	13950	15450	-	24900	29650	-	10950	14200	-	1.78	1.92	-
Nayagarh	Assessment of SSI (Bud Chip) method of planting in Sugarcane.	Crop is in tillering stage														
Nayagarh	Assessment of neonicotinoids for BPH management in rice.	43.2	52.5	-	27169	28074	-	43200	52500	-	16031	24425	-	1.59	1.87	-
Nayagarh	Assessment of IPM measures for cob borer mgt. in maize	39.2	47.3	-	20194	20305	-	33320	40205	-	13126	19900	-	1.65	1.98	-
Nayagarh	Assessment of fungicides for root rot & YMV in green gram	3.81	4.98	-	11407	12512	-	19050	24900	-	7643	12388	-	1.67	1.99	-
Nayagarh	Assessment of fungicides for control of wilt in groundnut.	13.5	17.2	-	21774	23756	-	33750	43000	-	11976	19244	-	1.55	1.81	-
Nayagarh	Assessment of growth and yield of black pepper var. Panniyur 1 in interspaces of Mango Orchards	No inter srop ping	1.5 kg/ vine	-	-	36000	-	No income from intercrops	83000	-	-	57000	-		2.3	-
Nayagarh	Assessment of stump planting of teak in agroforestry models	-	-	-	12000	19690	-	Ex returns after 12 yrs	Exreturns after 12 yrs 1 lakhs	-	-	-	-	-	-	-

								Rs.64000								
Nayagarh	Assessment of efficiency of solar dehydrator for drying Mahul flowers	35 kg/tree/season	35 kg/tree/season	-	-	-	-	Rs 1817.2/ha/season	Rs 2336.4/ha/season	-	-	-	-	-	-	-
Nayagarh	Assessment of Boron application in Cauliflower	175.5	224.5	-	54,000	57,500		70,200	1,12,250	-	16200	54750	-	1.3	1.9	-
Nayagarh	Assessment of Yam var. Orissa elite	176.9	234.2	-	74,600	84,500	-	1,23,830	1,63,400	-	42,930	79,440	-	1.65	1.94	-
Nayagarh	Assessment of HYV Tomato Utkal Raja	279.3	374.5	-	54500	57700	-	83790	112350	-	29290	54650	-	1.53	1.94	-
Nayagarh	Assessment of Nutrient management in Pointed Gourd	65.2	204.5		61,600	71,200		1,02,635	1,32,925		41,035	61,725		1.6	1.86	
Nayagarh	Assessment of poultry in pond based farming system	20.89q/ha	34.62qt/ha	-	40590	48950	-	109090	133250	-	68,500	84,300	-	2.68	2.72	-
Nayagarh	Assessment of sugarcane stripper	38Kg/hr	46Kg/Hr								6300	7875				
Nayagarh	Assessment of maize seller	17.1 Kg/Hr	27.1 Kg/Hr								3150	4950				
Nayagarh	Assessment of *Pangacius suchi*	20.16q/ha	42.82q/ha	-	41350	53400	-	106030	139900	-	64,680	86,500	-	2.56	2.61	-
Nayagarh	Assessment of happa breeding in common carp	-	2.3lakh/ha	-	-	31800	-	-	93250	-	-	61,450	-	-	2.93	-
Nayagarh	Assessment of jamunapari buck	17.2kg meat/goat	Result awaited	-	3500/goat	5300/goat	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2010-11)

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
KVK, Nayagarh	Turmeric	10	Introduction of improved Turmeric var. Suroma	Training, Farm Visit, Exposure visit, Film show	16	49	7
KVK, Nayagarh	Rice	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
KVK, Nayagarh	Sugarcane	10	Varietal substitution by high sucrose content variety	Training, Group discussion, Newspaper 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, Newspaper, coverage	8	65	6

3.2 Details of FLDs implemented during 2011-12

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entrepriz es	Results (q/ha)		% chang e	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Nayagarh	Integrated crop management	Paddy	Kharif, 2011	SRI method of paddy cultivation.	2ha	MTU 1001	55.8	45.5	22.6	0	0	10	0	10
Nayagarh	Varietal substitution Soil health & fertility mgt.	Paddy	Kharif, 2011	Performance of paddy var. Uphar	2ha	Paddy HYV Uphar	52.75	45.73	15.35	3	0	7	0	10
Nayagarh	Integrated weed management	Paddy	Kharif ,2011	Performance of pyrajosulfuuro n ethyl (sathi) application for mgt. of weeds. in direct seeded paddy .	2.0 ha	pratik shya	51.2	43.5	17.7	0	0	10	0	10
Nayagarh	Integrated crop management	Sugarcane	Rabi, 2011-12	.Performance of sugarcane var. Co OR 04-152 (Raghunatha)	0.4ha	Raghu nath	Crop is in tillerin g stage	-	-	0	0	5	0	5
Nayagarh	Integrated crop management	Sugarcane	Rabi, 2011-12	Performance of pit method of planting in sugarcane	0.4ha	Raghu nath	Crop is in tillerin g stage	-	-	0	0	5	0	5
Nayagarh	IDM	Paddy	Kharif, 2011	IDM for sheath blight in kharif paddy	2.0 ha	Pratik sha	50.52	44.2	22.53	2	2	5	1	10
Nayagarh	Bio-control of pests & diseases	Sugarcane	Kharif, 2011	Biological control for sugarcane borers	4.0 ha	Raghu nath (CO-OR-04-152)	1203	1008	19.34	1	1	6	2	10
Nayagarh	SSIE	Bee Keeping	Rabi, 2011-12	Scientific bee keeping	10 units	*Apis ceren a indica*	6.1kg/ box	4.3kg/box	41.86	1	5	3	1	10
Nayagarh	IPM	Brinjal	Rabi, 2011-12	IPM for fruit and shoot borer in brinjal	1 ha	VNR -5	245.5	201.8	21.65	1	3	6	-	10

Nayagarh	Income generation	Poultry	Kharif, 2011	Performance of back yard poultry	30nos	Vanaraja	200eggs/bird/yr	60eggs/bird/yr	313.3	0	0	0	0	6
Nayagarh	Drudegery reduction	Mandua weeder	Kharif, 2011	Performance of mandua weeder in paddy	1 unit	Mandua weeder	56.3	49.5	10 times more efficient than manual	0	0	0	5	5
Nayagarh	Integrated weed management	Mango	Kharif, 2011	Plastic mulching in new mango orchard	0.4ha	Amrapalli	-	-	-	-	-	3	2	5
Nayagarh	Varietal evaluation	Colocassia	Kharif, 2011	Performance of high yielding var. of Colocassia muktakeshi	0.2ha	muktakeshi	182.6	140.9	29.5	-	-	3	2	5
Nayagarh	Varietal evaluation	Pumpkin	Rabi, 2011-12	Performance of HYV of pumpkin, Baidyabati	0.4ha	Baidyabati	250.5	186.2	34.5	-	-	3	1	4
Nayagarh	Varietal evaluation	Chilli	Rabi, 2011-12	Performance of HYV chilli, utkal ava	0.4ha	Utkal Abha (grren chilli)	110.8	82.5	28.3	-	-	2	2	4
Nayagarh	FIS	IMC	Kharif, 2011	Introduction of floating fish feed	0.4ha	ABIS	32.1	22.9	40.17	0	0	1	1	2
Nayagarh	FIS	IMC	Kharif, 2011	Aquatic weed control	1	Grass carp	28.63	20.13	42.22	1	1	0	0	2
Nayagarh	FIS	IMC	Kharif, 2011	Fingerling production in cement tank	0.01	IMC	70000/ha	40000/ha	133	0	0	1	1	2
Nayagarh	FIS	Ornamental fish	Rabi 2011-12	Ornamental gold fish production	2 unit	*C. auratus* (Oranda)	2000/unit	280/unit	612 %	0	0	1	1	2
Nayagarh	Integrated Farming System	*Eucalyptus*	Kharif 2011	Planting of JK4 (2.5X2.5 m)	0.1 ha	JK4, clone of Eucalyptus	Av ht of seedlings - 75..5 cm Collar dia- 1 cm	Av ht of seedlings -64.2 cm Collar dia- 0.4 cm	% change in ht17 % change in Cd- 15%	0	0	5	0	5

Nayagarh	Integrated Farming System	Teak Mangium	Kharif 2011	Planting seedling of MPTs in the unutilized homesteads and field bunds	0.2 ha	Teak and mangium	Teak-Av ht-1. m, Cd 8 cm Mangium 1.5m ,CD 15 cm Survival%85(T),69 (M)	-	-	0	0	7	3	10
Nayagarh	Quality planting material production	Bamboo	Kharif 2011	Bamboo rhizomes split up to produce more seedlings	I ha	Bamboo	Av.ht - 1.2 m No. of sprouts -5. Survival%-83	Av.ht 1.2 m No. of sprouts -4. Survival% -80	% change in sprouts 20%	2	0	8	0	10
Nayagarh	Value addition	Kendu	Rabi 2011-12	Bush cutting	1 ha	Kendu	0.68Q/ha	0.6Q/ha	13.3% change in yield	2	3	0	0	5

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
Nayagarh	Paddy	SR I method of paddy cultivation	Plant ht(cm) Panicle length(cm) No.of grains/panisle	110.8 27.3 205	105.5 24.1 186	28030	28737	60264	49140	32234	20403	2.15	1.71
Nayagarh	Paddy	Paddy HYV Upahar	Plant ht(cm) Panicle length(cm) No.of grains/panisle	144 28 246	116 24 217	29200	28900	56970	49388	27770	20488	1.95	1.71

Nayagarh	Paddy	Herbicide application direct seeded paddy	Tillers/hill Panicle length(cm) No.of grains/panisle	12 16.0 208	10.5 14.7 192	27790	27290	55296	46980	27506	18934	1.99	1.72
Nayagarh	Sugarcane	Variety Raghunath	Crop in tillering stage										
Nayagarh	Sugarcane	Pit method of planting	Crop in tillering stage										
Nayagarh	Paddy	Integrated measures for sheath blight in kharif paddy	Yield (qtl/ha)	50.52	44.2	27607	27453	50520	44200	22913	16746	1.87	1.61
Nayagarh	Sugarcane	Biological control for sugarcane borers	Yield (qtl/ha)	1203	1008	84125	80318	240600	201600	156475	121281	2.86	2.51
Nayagarh	Bee Keeping	Scientific bee keeping	Honey yield (kg/box)	6.1	4.3	570	460	1525	1075	955	615	2.68	2.34
Nayagarh	Brinjal	IPM for fruit and shoot borer in brinjal	Yield (qtl/ha)	245.5	201.8	50514	47819	122750	100900	72235	53081	2.43	2.11
Nayagarh	Poultry	Performance of back yard poultry	Kg/bird	3.1kg	0.75	-	-	-	-	15800	8550	2.88	2.31
Nayagarh	Mandua weeder	Performance of mandua weeder in paddy	Weeding area(m2)/hr	500	50	-	-	-	-	32300	22350	2.16	1.7
Nayagarh	Eucalyptus	Planting in unutilized lands and field bunds	Shoot length, collar diameter, survival %	Av ht of seedlings -75.5 cm Collar dia- 1 cm	Av ht of seedlings -64.2 cm Collar dia- 0.4 cm	47000	62642	Ex yld after 5 yrs Rs90000	Ex yld after 4 yrs 180000	-	-	-	-

Nayagarh	Mangium Teak	Planting MPTs in unutilized lands and field bunds	Ht(m) Collar dia(cm) Survival %	Teak-Av ht-1.m, Cd 8 cm Mang 1.5m CD 15 cm Surv. %85(T),69(M)	Land left unutilised	12000 (M) 19690 (T)	-	41000(M) (after 10 yrs) 78310(after 10 yrs)	-	-	-	-	-
Nayagarh	Bamboo	Macropropagation in bamboo	No of sprouts,ht of sprouts(m) Survival%	1.2 m 5 nos 83%	1.2 m 4 nos 82%	9500	Mostly naturally propagated	Rs.17820 from 4th yr onwards	-	-	-	-	-
Nayagarh	Kendu	Bush cutting	Yield(Q/ha) income(Rs.)	0.68 Q/ha	0.6 Q/ha	-	-	192.5/collector	27.50/collectro	192.5	27.50	-	-
Nayagarh	Mango	Plastic mulching in new mango orchard	Plant height(cm) Weed population (No/m2)-	75 5	62 26	-	-	-	-	-	-	-	-
Nayagarh	Colocassia	Performance of high yielding var. of Colocassia muktakeshi	Corm yield(Kg/m2)	2.19	1.71	49800	42300	82170	63405	32370	21105	1.65	1.4
Nayagarh	pumpkin	Performance of HYV of pumpkin, Baidyabati	Avg. fruit wt. (Kg)	8.5	6.1	46500	44100	112500	83790	66100	39690	2.4	1.9
Nayagarh	chilli	Performance of HYV chilli, utkal abha	Fruit yield(Kg/m2)	1.33	0.99	45920	41375	88640	66200	42720	24825	1.9	1.6
Nayagarh	IMC	Introduction of floating fish feed	FCR	1.87	1.11	56390	44860	146190	111210	89800	66350	2.59	2.47

Nayagarh	IMC	Aquatic weed control	Avg b wt(kg)	1.5	0.85	54350	51250	121850	100150	67500	48900	2.89	2.21
Nayagarh	IMC	Fingerling production in cement tank	Survivability (%)	77	44	42500	31500	93900	60000	51400	28500	2.98	2.67
Nayagarh	Ornamental fish	Ornamental gold fish production	Rate (Rs)	5	2	5000	1200	12500	4200	7500/unit	3000/unit	4.32	3.61

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Nayagarh	Paddy(CP)	Field days(SRI, Uphar, Herbicide)	3	150	-
		Farmers Training (SRI,IWM, INM,HYBRID paddy,seed production, rogueing operation,organic farming etc)	12	295	-
		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Maize	Field days	1	50	-
		Farmers Training	1	25	-
		Media coverage	-	-	-
		Training for extension functionaries			-
Nayagarh	Sugarcane	Field days	2	100	-
		Farmers Training	2	50	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Sugarcane(CP)	Field days(Var Nilamadhab)	1	50	-
Nayagarh		Farmers Training(Planting tech., Ratoon mgt)	2	50	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Mango	Field days	01	50	-
Nayagarh		Farmers Training	01	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Pumpkin	Field days	01	50	-
Nayagarh		Farmers Training	01	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	IMC	Field days	3	150	-
Nayagarh		Farmers Training	4	100	-

Nayagarh		Media coverage	4		-
Nayagarh		Training for extension functionaries	1	20	-
Nayagarh	Cat fish	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Poultry	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Goatery	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Teak Mangium	Field days	-	-	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	1	25	-
Nayagarh	Blackpepper	Field days	-	-	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Paddy	Field days	1	50	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	1	25	-
Nayagarh	Sugarcane	Field days	1	50	-
Nayagarh		Farmers Training	2	45	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Apiculture	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Brinjal	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-

Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Bamboo	Field days	-	-	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	MPTs	Field days	-	-	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Eucalyptus	Field days	-	-	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-

-

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
Nayagarh	SRI method of Paddy cultivation improves yield, consumes less seed water and inputs	FLD and field day	Increased yield and productivity and net return	Horizontal spread
	Paddy variety Upahar is suitable under semi deep low land situation	FLD and field day	Increased yield and productivity and net return	Horizontal spread
	Application of Pyrazosulphuron Ethyl (SATHI) herbicide reduces weed population and increased yield	FLD and field day	Increased yield and productivity and net return	Horizontal spread
	Integarted measure for sheath blight in Kharif Paddy	FLD and field day	Reduced disease incidence,increased yield and net return	Horizontal spread
	Bio control of sugarcane borers	FLD and field day	Reduced borer incidence, increased yield and net return	Horizontal spread
	Use of JK4 clone of eucalyptus	FLD	Fast growth rate, low rotation,more yield and economic return	Horizontal spread
Nayagarh	Plastic mulching in new Mango orchard.	FLD and field day	Increase in canopy size and reduced weed incidence.	Horizontal spread
	Cultivation of HYV Pumpkin Baidyabati.	FLD and field day	Increase yield, more storage life.	Horizontal spread

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Nayagarh	More proven technologies in rain fed areas relevant to small and marginal farmers for field ,vegetable & fruit crops Low cost bio intensive based pest management schedules for rain-fed areas Survivability of desi magur the major concern in the initial stage. So standardization of the technology is needed in this regard. Low cost small implements for drudgery reduction Proper nutrient management in Pointed Gourd is a major concern as Pointed Gourd is a long duration crop. So standardisation of nutrient management practice needs to be done.

Abbreviation Used

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

TRAINING PROGRAMMES

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

Table 5.1: 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 to be involved
Nayagarh	F/FW	Group discussion	13.04.11 Patharachakada, Madhapur	50
Nayagarh	RY	Group discussion	6.5.11 KVK campus	25
Nayagarh	F/FW	Group discussion	18.6.11 Fategarh	25
Nayagarh	IS	Group discussion	23.8.11 KVK campus	25
Nayagarh	F/FW	Group discussion, field visit, survey	3.9.11 Gunthuni, Chandi, Biridi, Malatipur	50
Nayagarh	RY	Group discussion	24.9.11 Jogiapalli, Khanguri, Badahamara	25
Nayagarh	IS	Group discussion NGO workers, Krushak club members & SHG members	5.12.11 Nuagaon, Jakola, Seranda	40
Nayagarh	F/FW	Group discussion, field visit, survey	27.12.11 Anlamada, Gopalipada	25
Nayagarh	RY	Group discussion, field visit	17.1.12 Janisahi, Dalaksahi, Digiri	25
Nayagarh	F/FW	Group discussion, field visit,Wastage of Paddy bi oriducts	30.1.12 Nuasgaon, lingiribari,Lunisara	25
Nayagarh	RY	Group discussion, field visitProper utilization of planting material	15.2.12 Natim, ,mahipur, Mardarajpur	20
Nayagarh	F/FW	Group discussion	23.2.12 Basantapur, Mayurjhallia	25
Nayagarh	F/FW	Group discussion, field visit, local resources available	6.3.12 Fategarh,Singapada	25
Nayagarh	F/FW	Group discussion, field visit	27.3.12 Mardarajpur,anlamada,ladukesharpur	25

Table 5.2. Details of Training programmes conducted by the KVKs.

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	**Target for No. of participants**	**Participants**							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**16**	**17**
Nayagarh	FW	ONC	CRP	Weed Management	1	1	25	2	1	4	0	1	1	11	5
Nayagarh	FW	ONC	CRP	Integrated Crop Management	4	6	100	25	0	23	0	14	0	42	0
Nayagarh	FW	ONC	HOV	Production of low volume and high value crops	4	4	100	21	0	22	2	11	4	40	0
Nayagarh	FW	ONC	HOF	Layout and Management of Orchards	1	1	25	1	1	2	2	1	1	12	3
Nayagarh	FW	ONC	SFM	Integrated Nutrient Management	1	2	25	2	1	2	2	2	1	10	5
Nayagarh	FW	ONC	PLP	Integrated Pest Management	2	4	50	3	2	5	3	2	2	23	10
Nayagarh	FW	ONC	PLP	Integrated Disease Management	2	2	50	3	6	8	4	4	2	38	10
Nayagarh	FW	ONC	FIS	Integrated fish farming	3	3	75	12	0	16	0	3	0	44	0
Nayagarh	FW	ONC	FIS	Carp breeding and hatchery management	1	1	25	10	0	0	0	0	0	15	0
Nayagarh	FW	ONC	PIS	Production of Fish feed	1	1	25	8	0	2	0	1	0	14	0
Nayagarh	FW	ONC	CBD	Formation and Management of SHGs	1	1	25	0	6	0	1	0	3	0	15
Nayagarh	FW	ONC	OTH	Quality Planting Material production	1	1	25	1	2	3	1	2	0	12	3
Nayagarh	FW	ONC	OTH	Use of seed drill in crops	1	1	25	7	0	2	0	1	0	15	0
Nayagarh	FW	ONC	OTH	Vermicompost production technology	1	2	25	12	0	4	0	0	0	9	0
Nayagarh	RY	ONC	RYH	Mushroom Production	1	1	20	0	6	0	2	0	3	0	9
Nayagarh	RY	ONC	RYH	Bee-keeping	1	4	20	0	0	12	0	8	0	0	0
Nayagarh	RY	ONC	RYH	Seed production	1	2	20	6	0	5	0	2	0	7	0
Nayagarh	RY	ONC	RYH	Planting material production	1	2	20	5	3	2	0	2	0	8	0
Nayagarh	RY	ONC	RYH	Vermi-culture	1	1	20	2	0	2	0	1	0	10	5
Nayagarh	RY	ONC	RYH	Nursery Management of	1	2	20	8	0	2	0	2	0	8	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	**Target for No. of participants**	**Participants**							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**16**	**17**
				Horticulture crops											
Nayagarh	RY	ONC	RYH	Training and pruning of orchards	1	1	20	1	1	3	1	1	2	8	3
Nayagarh	RY	ONC	RYH	Value addition	4	6	80	0	26	0	15	0	9	0	30
Nayagarh	RY	ONC	RYH	Ornamental fisheries	2	2	40	8	3	4	2	4	1	13	5
Nayagarh	RY	ONC	RYH	Fry and fingerling rearing	1	1	20	12	0	0	0	0	0	8	0
Nayagarh	RY	ONC	RYH	Income generation	2	2	40	0	12	0	6	2	2	4	18
Nayagarh	RY	ONC	RYH	Leadership Development	3	3	60	23	0	3	0	3	0	31	0
Nayagarh	RY	ONC	RYH	Integrated pest management	1	2	20	10	0	1	0	2	0	7	0
Nayagarh	RY	ONC	RYH	Fish feed preparation	1	1	20	4	3	2	1	0	0	8	2
Nayagarh	IS	ONC	EXP	Productivity enhancement in field crops	1	1	25	5	1	5	0	0	0	13	1
Nayagarh	IS	ONC	EXP	Integrated Pest Management	1	2	25	7	5	3	1	3	0	6	0
Nayagarh	IS	ONC	EXP	Livestock feed and fodder production	1	1	15	6	0	0	0	0	0	9	0
Nayagarh	IS	ONC	EXP	Production and use of organic inputs	1	1	25	5	0	3	0	2	0	15	0
Nayagarh	IS	ONC	EXP	Ornamental fish production for entrepreneurship development	1	1	10	3	0	1	0	0	0	6	0
Nayagarh	IS	ONC	EXP	Orchard management	1	2	25	5	0	7	0	0	0	13	0
Nayagarh	IS	ONC	EXP	resource conservation technology	1	1	25	2	1	4	1	0	0	15	2
Nayagarh	IS	ONC	EXP	PRA methodology	1	1	25	5	0	2	0	4	0	9	5
Nayagarh	IS	ONC	EXP	Spawn production technology	1	1	25	0	8	0	2	0	0	0	15
Nayagarh	FW	OFC	CRP	Weed Management	1	1	25	5	3	3	0	2	0	12	0
Nayagarh	FW	OFC	CRP	Seed production	3	3	75	22	3	11	0	7	4	24	6
Nayagarh	FW	OFC	CRP	Integrated Crop Management	2	3	50	20	0	8	3	4	0	12	3

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	**Target for No. of participants**	**Participants**							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**16**	**17**
Nayagarh	FW	OFC	HOV	Production of low volume and high value crops	3	5	75	22	3	11	0	7	4	23	7
Nayagarh	FW	OFC	HOF	Layout and Management of Orchards	1	1	25	5	1	5	0	1	0	13	0
Nayagarh	FW	OFC	HOF	Management of young plants/orchards	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	OFC	HOS	Production and Management technology	1	1	25	6	2	5	2	3	0	7	0
Nayagarh	FW	OFC	HOM	Production and management technology	1	1	25	5	0	0	0	0	0	20	0
Nayagarh	FW	OFC	SFM	Integrated Nutrient Management	2	2	50	18	0	2	0	3	0	27	0
Nayagarh	FW	OFC	WOE	Design and development of low/minimum cost diet	1	1	25	0	9	0	0	0	0	0	16
Nayagarh	FW	OFC	WOE	Value addition	1	2	25	0	15	0	2	0	2	3	3
Nayagarh	FW	OFC	WOE	Income generation activities for empowerment of rural Women	1	1	25	0	6	0	2	0	2	0	15
Nayagarh	FW	OFC	WOE	Location specific drudgery reduction technologies	1	1	25	3	0	0	0	0	0	0	22
Nayagarh	FW	OFC	PLP	Integrated Pest Management	5	5	125	47	5	21	10	14	0	19	9
Nayagarh	FW	OFC	PLP	Integrated Disease Management	3	5	75	12	0	14	0	5	0	40	4
Nayagarh	FW	OFC	PLP	Bio-control of pests and diseases	1	1	25	9	0	3	0	0	0	13	0
Nayagarh	FW	OFC	FIS	Composite fish culture	3	3	75	20	0	10	0	9	0	36	0
Nayagarh	FW	OFC	AGF	Production technologies	1	1	25	6	0	5	1	0	0	13	0
Nayagarh	FW	OFC	AGF	Nursery management	2	2	50	15	0	5	0	3	0	27	0
Nayagarh	FW	OFC	AGF	Integrated Farming Systems	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	OFC	OTH	Medicinal Plants	2	2	50	19	0	4	0	5	0	20	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	**Target for No. of participants**	**Participants**							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**16**	**17**
Nayagarh	FW	OFC	OTH	NRM & NTFP	2	3	50	7	5	6	0	0	0	32	0
Nayagarh	FW	OFC	EXP	Maintenance & use of Sprayer	1	1	25	3	0	0	0	1	0	21	0
Nayagarh	FW	OFC	OTH	Scientific method in pulse production	1	1	25	5	5	3	2	0	0	10	0
Nayagarh	FW	OFC	OTH	Sustainable agriculture for organic farming	1	1	25	6	0	3	0	1	0	10	5
Nayagarh	FW	OFC	OTH	Use of ICTs for effective TOT	1	1	25	10	0	2	0	5	0	8	0
Nayagarh	FW	OFC	OTH	Production of Audio visualize	1	1	25	5	0	0	0	0	0	20	0

Table 5.3. Details of Vocational training programmes for Rural Youth to be 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
Nayagarh	Quality planting material production	Forest trees	Income Generation	3	2	0	1	0	12	5
Nayagarh	Entrepreneurship development in ornamental fish	ornamental fish	Income Generation	5	5	5	5	0	5	0
Nayagarh	Bee Keeping	Apiculture	Income Generation	5	4	2	5	2	6	1
Nayagarh	Quality planting material production of fruit crops	Mango, lime, guava	Income generation	3	2	1	4	0	10	3

Table 5.4. Details of training programme to be 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**	
Nayagarh	MPTs their uses, planting and planting material production	Nursery	7	12	15
Nayagarh	Entrepreneurship development in ornamental fish	Hatchery	15	25	10
Nayagarh	Bee Keeping	Apiary	45	52	21
Nayagarh	Quality planting material production of fruit crops	Nursery	7	15	18

Table 5.5. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Nayagarh	Water management	CP	ICM	FW	7	1	45	-	4	-	1	-	AICRP on Water Mannagement Chiplima	66,500

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members:NA

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

Table 5.7 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	
KVK, Nayagarh	Planting techniques in Sugarcane	25	40	74	897	1120	107640	134400	1. 10 ha 2. Out of 25 trainees, 20 trainees adopted the recommended planting technique. 3. (i) Knowledge – 85% (ii) Production – 26% (iii) Income – 26%
KVK, Nayagarh	Ratoon Management in sugarcane	25	45	78	783	972	93960	116640	1. 15 ha. 2. Out of 25 trainees, 23 trainees adopted the recommended ratoon management of practices in sugarcane. 3. (i) Knowledge – 73% (ii) Production – 24% (iii) Income – 24%
KVK, Nayagarh	Use of bio inoculants in pulses	25	41	76	2.5	4.0	15000	24000	1. 25 ha 2. Out of 25 trainees, 24 trainees adopted the recommended practice of bio inoculation in pulses. 3. (i) Knowledge – 85% (ii) Production – 60% (iii) Income – 60%

KVK, Nayagarh	Techniques of rouging for increasing seed quality in paddy	75	43	80	37.5	42.0	33750	37800	1. 40 ha 2. Out of 50 trainees, 40 trainees adopted the recommended practice of rouging in paddy. 3. (i) Knowledge – 86% (ii) Production – 12% (iii) Income – 12%
KVK, Nayagarh	IPM for major sucking pests in oilseed crop	25	43	71	11.87	15.46	29675	38651	1. Area expanded 30 ha. 2. farmers adopted 15. 3. (i) Knowledge – 65.11% (ii) Production – 30.24% (iii) Income – 30.21%
KVK, Nayagarh	IMP for major insect pest in sunflower	25	38	58	14.18	11.56	16000	24030	1. Area expended 21 ha. 2. Farmers adopted 21. 3. (i) Knowledge – 52.63% (ii) Production – 22.67% (iii) Income – 50.19%
KVK, Nayagarh	IPM for fruit and shoot borer in brinjal	25	46	77	263.46	180.13	65300	98800	1. Area expanded 35 ha. 2. Farmers adopted 23 3. (i) Knowledge – 67.39% (ii) Production – 46.26% (iii) Income – 51.31%
KVK, Nayagarh	Predatory and weed fish management	25	35	46	17.5	22.1	70000	79000	1.Area expanded (ha)- 23 2.No. of farmers adopted (no.)-12 3.% change in knowledge-31 Production- 26 Income-12.8
KVK, Nayagarh	Freshwater prawn culture	25	38	57	0	17.4	0	89000	1.Area expanded (ha)-37 2.No. of farmers adopted (no.)-13 3.% change in knowledge-50 Production- Income-
KVK, Nayagarh	Composite pisciculture	25	43	67	17.5	22.9	70000	79000	1.Area expanded (ha)-49 2.No. of farmers adopted (no.)-17 3.% change in knowledge-56 Production-31 Income-13

KVK, Nayagarh	Dry fish and fish pickle preparation	25	12	45	0	.05	0	5000	1.Area expanded (ha)-2 2.No. of farmers adopted (no.)-7 3.% change in knowledge-275 Production- Income-
KVK, Nayagarh	Fish feed preparation	25	22	48	0	.03	0	4500	1.Area expanded (ha)- 2.No. of farmers adopted (no.)-2 3.% change in knowledge-118 Production- Income-
KVK, Nayagarh	Pelleted feed preparation	20	22	49	0	.05	0	5000	1.Area expanded (ha) 2.No. of farmers adopted (no.)-2 3.% change in knowledge-122 Production- Income
KVK, Nayagarh	Fish seed production in cemented tank	20	12	52	0	20000 nos	0	10000	1.Area expanded (ha)- 2.No. of farmers adopted (no.)-3 3.% change in knowledge- production Income
KVK, Nayagarh	Fish seed production	20	33	65	1 lakhs	9 lakhs nos	5000	40000	1.Area expanded (ha) 2.No. of farmers adopted (no.)-7 3.% change in knowledge333 Production-800 Income-700
KVK, Nayagarh	Multiple stocking and harvesting in pisciculture	25	34	67	17.5	30.1	70000	125000	1.Area expanded (ha)-35 2.No. of farmers adopted (no.)-11 3.% change in knowledge-97 Production-72 Income-78
KVK, Nayagarh	Control of EUS diseases	25	12	58	15.4	18.9	67000	78000	1.Area expanded (ha)-34 2.No. of farmers adopted (no.)-9 3.% change in knowledge-383 Production-23 Income-16

KVK, Nayagarh	Pond based farming system	25	45	69	17.5	25.4	67000	89000	1.Area expanded (ha)-43 2.No. of farmers adopted (no.)-18 3.% change in knowledge-53 Production-45 Income-33
KVK, Nayagarh	Seed production in plastic hatchery	25	11	45	0	0	0	0	1.Area expanded (ha)-0 2.No. of farmers adopted (no.)-0 3.% change in knowledge309 Production-0 Income-0
KVK, Nayagarh	Freshwater prawn culture	15	35	69	0	17.4	0	123000	1.Area expanded (ha)-37 2.No. of farmers adopted (no.)-13 3.% change in knowledge-97 Production- Income-
KVK, Nayagarh	Multiple stocking and harvesting in pisciculture	10	23	57	17.5	30.1	70000	125000	1.Area expanded (ha)-35 2.No. of farmers adopted (no.)-6 3.% change in knowledge-147 Production-72 Income-78
KVK, Nayagarh	Training on medicinal plants	25	50	65	-	-	-	-	1.All farmers who attented planted 2 medicinal plant species viz.,sandal and pippili in their backyard 2. Knowledge:30%
KVK, Nayagarh	Training on home stead planting	25	40	60	0.4	-		-	1. 0.1ha 2. Out of 25 trainees 5 farmers did tree planting on their homestead 3.50% increase in knowledge
KVK, Nayagarh	Training on collection and processing of kendu leaves	25	75	80	-	-	-	-	1.All 25 farmers adopted the technique on an exciting area of 0.25 ha. 2. Knowledge increase 6.7%
KVK, Nayagarh	Training on sal seed collection, processing and grading	25	30	50					1.Three more farmers started collection sal seeds 2. Knowledge increase 67%
KVK, Nayagarh	Training on watershed management practices	15	70	80	-	-	-	-	Knowledge increase 14%

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			
Nayagarh	Field Day	21	21	480	220	282	68	32	11			
Nayagarh	Kisan Mela	2	0	112	48	33	7	4	2			
Nayagarh	Kisan Ghosthi	2	3	37	3	12	8	3	0			
Nayagarh	Exhibition	2	2	220	27	36	17	15	4			
Nayagarh	Film Show	60	77	802	298	314	86	0	0			
Nayagarh	Method Demonstrations	2	0	25	7	5	3	0	0			
Nayagarh	Farmers Seminar	2	0	31	8	9	2	0	0			
Nayagarh	Workshop	6	0	0	0	0	0	0	0			
Nayagarh	Group meetings	4	4	61	14	18	7	0	0			
Nayagarh	Lectures delivered as resource persons	15	0	86	18	17	5	0	0			
Nayagarh	Newspaper coverage	10	10	0	0	0	0	0	0			
Nayagarh	Radio talks	8	6	0	0	0	0	0	0			
Nayagarh	TV talks	8	8	0	0	0	0	0	0			
Nayagarh	Popular Articles	8	8	0	0	0	0	0	0			
Nayagarh	Extension Literature	5	0	0	0	0	0	0	0			
Nayagarh	Farm Advisory Services	80	0	0	0	0	0	0	0			
Nayagarh	Scientific visit to farmers field	170	448	0	0	0	0	0	0			
Nayagarh	Farmers Visit to KVK	500	487	0	0	0	0	0	0			
Nayagarh	Diagnostic Visits	96	60	125	18	29	8	0	0			
Nayagarh	Exposure Visits	2	0	16	0	4	0	0	0			
Nayagarh	Ex-trainees Sammelan	4	4	147	16	32	5	0	0			
Nayagarh	Soil Health Camp	2	2	74	11	12	3	0	0			
Nayagarh	Animal Health Camp	2	2	85	7	6	2	0	0			
Nayagarh	Agri Mobile Clinic	0	0		0	0	0	0	0			
Nayagarh	Soil Test Campaigns	2	2	80	12	8	0	0	0			
Nayagarh	Farm Science Club conveners meet	20	0	14	0	6	0	0	0			
Nayagarh	Self Help Group conveners meetings	4	3	0	80	0	20	0	0			

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here 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
Nayagarh	Cereals							
Nayagarh	Pulses	Moong	Tarm-1	SD	2qtl	Qtl	7000	40
Nayagarh	Green manure	Dhanicha	-	TL	3qtl	TL	12000	30

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	
Nayagarh	Forest tree species	Teak	Jan-Feb	July-Aug	-	Teak	Seedlings	1679	3358	5037	-
Nayagarh	Forest tree species	Mangium	Jan-Feb	July	-	Mangium	Seedlings	524	1048	1572	-
Nayagarh	Forest tree species	Bamboo	May-June	Aug-Sept	-	Bamboo	Vegetative propagated materials	306	500	918	-
Nayagarh	Vegetable seedling	Tomato	Kharif & Rabi	Kharif & Rabi	-		Seedlings	11830	3174	7122	-
Nayagarh		Brinjal			-		Seedlings	16500			-
Nayagarh		Onion			-		Seedlings	1000			-
Nayagarh		Chilli			-		Seedlings	6280			-
Nayagarh		Cabbage			-		Seedlings				-
Nayagarh		Capsicum			-		Seedlings				-
Nayagarh		Papaya	-	-	-	Ranchi dwarf, Red lady	Saplings	331	-	3310	-
Nayagarh		Tissue culture bannana	-	-	-	Bantala, G-9	Saplings	300	-	3600	-
Nayagarh		Lime+ Guava	-	-	-	Local	Saplings	32	-	384	-
Nayagarh		Mango	-	-	-	Amarpalli	Saplings	1355	-	22357	-
Nayagarh	Vermicompost		Round the year	-	-	-		5qt	-	3750	-
	Ornamental flowers	Marigold Gladioli	-	-	-	-	Seedlings		80	300	-
	Mushroom cultivation	Paddy straw	March-Oct	-	-	-	Mushroom	22kg	548	1600	-

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	
Nayagarh	**Vermin**	4000	1388	1600	Produces a good source of organic manure

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	
Nayagarh	**Cattle**						
Nayagarh	**Buffalo**						
Nayagarh	**Sheep and Goat**						
Nayagarh	**Poultry**	**Vanaraja**	**21 days chicks**	**1468**		**58720**	**Fast growing/ High egg production, backyard poultry**
Nayagarh	**Fisheries**	**Ornament Fish**	**Gold fish,black molly**	**180**		**900**	
Nayagarh	**Others (Specify)**						

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Not yet established

Year of establishment :

8.1 Details of soil & water samples analyzed so far : NA

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Nayagarh	Soil Sample					
Nayagarh	Water Sample					

9. Rainwater Harvesting: NA

Training programmes to be 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
Nayagarh										
Nayagarh										
Nayagarh										

10. **Kisan Mobile Advisory (KVK-KMA)**

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
Nayagarh		Farmers	Ext. Pers.	
Nayagarh	25	2270	125	IMC, weather, IDM, IPM, Fishery, Crop, Livestock, Home science

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Nayagarh	16.06.11	20	1. Popularize SRI method on paddy cultivation. 2. Popularise hybrid paddy cultivation. 3. Collect information on level of infestation before & after application of P.P chemicals. 4. Popularize bamboo cultivation. 5. IPM in green gram 6. Assessment of PMS effect on soil acidity & yield of green gram.

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Nayagarh	April2011	Quarterly	500	500
Nayagarh	July 2011	Quarterly	500	500
Nayagarh	Oct 2011	Quarterly	500	500
Nayagarh	Jan 2012	Quarterly	500	500

12.2 Details of Electronic Media produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Nayagarh	**VCD**	**IPM in Paddy**	**100**
Nayagarh	**VCD**	**Mushroom cultivation**	**50**
Nayagarh	**VCD**	**IPM in Maize**	**60**

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper		**Type**	**Title**	**Author's name**	**Number of copies**
Technical bulletins	6	Annual		Mrs. Shelly Dash, T. Khandaitaray, B. K. Pradhan, T. Badjena, A. Panda	204
Technical reports		Annaul			
Popular article	6			T. Khandaitaray, B. K. Pradhan	204
News paper coverage	104	Daily		T. Khandaitaray, B. K. Pradhan, T. Badjena	1,00,000
Year Planner	1	1st April, 2012		Mrs. Shelly Dash	34

13. 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
Nayagarh	ATMA	State	2 lakhs	Pulse Research Developments	Farmers field	-
Nayagarh	MNREGA					
Nayagarh	NHM					
Nayagarh	RKVY	State	3 lakhs	Spawn production/ improved planting materials production	KVK, Nayagarh	-
Nayagarh	DRDA					
Nayagarh	Zila Panchyat					
Nayagarh	Seed Village	State	-	Certified seed production	Farmers field	-
Nayagarh	NAIP					
Nayagarh	Climate Change					
Nayagarh	Others (Plz. Specify)					

14. Utilization of Farmers Hostel. : Under Construction

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)
Nayagarh							
Nayagarh							
Nayagarh							

15. Utilization of Staff Quarters: NA

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Nayagarh					
Nayagarh					
Nayagarh					

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park: NA

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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

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

Sr. No.	Name of kvk	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Nayagarh	Mr. Ullash Sahoo	Income generation (mushroom)	Kalikaprasad, Ph.no-9938272844
2	Nayagarh	Mr. Bipra Charan Biswal	SSIE (Motor bed winnower)	Janisahi, Ph.no-9658737278

18. KVK interaction with progressive farmers

Sr. No.	**Date and month of interaction Programme with progressive farmers**	**No. of progressive farmers to be participated**
1	May 2011	50
2	October 2011	50
3	March 2012	50

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Nayagarh	8	8	45	93

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

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

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

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	KVK, Ganjam-I	Man power, Technology, Inputs	Vermi rearing and hatchery
2	KVK, Kandhamal	Man power, Technology, Inputs	Production technology of local turmeric variety

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Nayagarh	Prof. S.S Nanda, Dean, DEE, OUAT, BBSR	16.06.12	
Nayagarh	Dr. A Agrawal, Collector, Nayagarh	16.06.12	
Nayagarh	Mr. D P Dash, P D ,DRDA,Nayagarh	16.06.12	
Nayagarh	Prof. Madan Mohan Panda, Dean of Research, OUAT, BBSR	19.08.11	
Nayagarh	Dr. Vijayan Nair,SBI, Coimbatore	17.10.11	
Nayagarh	Mr. Alok Ku Jena, AGM, NABARD, Nayagarh	07.01.12	
Nayagarh	Prof. S.S Nanda, Dean, DEE, OUAT, BBSR	13.03.12	

23. Status of KVK Website: Not Available

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
	Nayagarh			
	Nayagarh			
	Nayagarh			

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
	Nayagarh		
	Nayagarh		

25. E-CONNECTIVITY (ERNET Lab): NA

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 made to Hub by KVK			
Nayagarh							

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Nayagarh	Awareness campaign on bio-control & IPM	2	100	Bio-control & IPM strategy
Nayagarh	Farmers-scientists interaction to be organized	2	100	Prospects of off- season vegetable cultivation
Nayagarh	Exhibition	1	50	Scientific technology on various crop & livestock's
Nayagarh	Film show	5	200	IPM, IDM, INM, IWM, mushroom cultivation, vermin-composting, varietal diversification
Nayagarh	Soil health Awareness campaign	2	100	-
Nayagarh	Road show	1	-	Latest Scientific technology
Nayagarh	Diagnostic Practical's			
Nayagarh	Distribution of Literature (No.)	75	40	Scientific cultivation of paddy, sugarcane, pulses, apiculture, vermin-composting
Nayagarh	Distribution of Seed (q)			

Nayagarh	Distribution of Planting materials (No.)	100 nos (*A mangium*, teak & papaya saplings)	50	*A mangium*, teak & papaya
Nayagarh	Bio Product distribution (Kg)			
Nayagarh	Bio Fertilizers (q)	200 kg (vermi-compost)	20	-
Nayagarh	Distribution of fingerlings (No)			
Nayagarh	Animal health camp	1	50	All kinds of livestocks
Nayagarh	Total number of farmers visited the technology week			

27. INTERVENTIONS ON DROUGHT MITIGATION: NA

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
	Nayagarh			

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
	Nayagarh	Oilseeds		
	Nayagarh	Pulses		
	Nayagarh	Cereals		
	Nayagarh	Vegetable crops		
	Nayagarh	Tuber crops		
	Nayagarh	Fruits		
	Nayagarh	Spices		
	Nayagarh	Cotton		
	Nayagarh			
	Nayagarh			
	Nayagarh	**Total**		

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
	Nayagarh	Dairy Management		
	Nayagarh	Disease management		
	Nayagarh	Feed and fodder technology		
	Nayagarh	Poultry management		
	Nayagarh			
	Nayagarh			

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Nayagarh	**2**	**100**	**100**

Seed distribution in drought hit states NA

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

Seedlings and Saplings to be distributed

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

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Nayagarh				

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Nayagarh			

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
Nayagarh												

28. Proposal of NICRA: NA

1. **Technologies to be demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2**. Proposed Extension Activities in NICRA Village**

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

3. **Proposed Training Activities in NICRA Village**

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

4**. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

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

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

29. Proposed works under NAIP (in NAIP monitoring format): NA

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Nayagarh	30437808474	50,000/-	95,167/-	95,167/-

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Nayagarh	Swaraj Mohanty	Farmer	OUAT,BBSR	
Nayagarh	Pabitra Barad	Farmer	OUAT, BBSR	

32. Case study / Success Story to be developed – Two best only in the following format

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Nayagarh	1	1

Success story-1

ENTREPRENEURSHIP THROUGH SECONDARY AGRICULTURE

Name of the Enterprise : MUSHROOM CULTIVATION AS BACKYARD FARMING

Name and complete address of Entrepreneur:

Sri Ullash Sahoo.
Village: Kalika Prasad, G:P: Manapur
Block: Nayagarh
Dist: Nayagarh

Pre-Intervention Survey:

- Availability of large quantities of paddy straw for mushroom cultivation
- An increasing market demand for paddy straw mushroom in local market
- No use of home-stead land

Post intervention survey:

- Mr Sahoo is an eye-opener for the near by areas
- He is producing mushroom round the year
- Besides mushroom , spawn is also produced.
- He is earning Rs 2,00,000 per year
- Accepting it as a sustainable business
- Improvement of economic condition

Training:

He was trained on Commercial cultivation of paddy straw mushroom along with the method of preparation of beds.

Demonstration:

Front line demonstration on paddy straw mushroom cultivation was conducted in his backyard along with improved technological practices.

Field day & Group meeting:

Group meeting was conducted in the backyard of Mr. Sahoo to discuss about the various constraints encountered in mushroom cultivation .One field day was conducted to show the economic out put of paddy straw mushroom cultivation.

Publicity & Marketing:

- Farmers taken on exposure visit to Mr Sahoo's mushroom unit
- He was awarded in University Foundation Day
- Liasion was established with local vendors along with nearby Bhubaneswar market

Time Line of Entrepreneurship Development:

In year 2007, Mr Sahoo was trained on "Commercial cultivation of paddy straw mushroom" and he showed keen interest in paddy straw mushroom cultivation. In 2008,Mr Sahoo was supplied spawn and other inputs in FLD programme under close guidance of K.V.K. scientists. He produced an avg. of 1.1 kg per bed with a net income of Rs 40 per bed. Encouraged with his mushroom cultivation, Mr Sahoo in collaboration with K.V.K. took up mushroom cultivation in a large scale in the year 209.Now about 800 paddy straw mushroom beds are spawned in every fort night. . He is harvesting 50-60 kg paddy straw mushroom every day. During off season, he is producing paddy straw mushroom using U V polythene sheets. Thereby, he is producing paddy straw mushroom round the year except the dry summers. In winter season, he also produces Dhingri mushroom. He is getting net income of Rs. 30/- per bed. Mr Sahoo was trained in Center for Tropical Mushroom Research and Training, Bhubaneswar on spawn production in the year 2010 and started producing spawn. He is producing 200 mushroom spawn bottles per day. Now he is supplying spawn to local markets.

Technical components in the enterprise:

Raw materials: Matured paddy straw, mushroom spawn of good quality, transparent polythene, coarsely grinded whole grain flour

Methodology:

Two ft. long white paddy straw were soaked for 12-14 hours in clean water, sterilized with hot water/ steam for 1 hour, excess water decanted by slanting position, spawn were broken into thumb sized pieces are divided into 4 parts, gram powder was divided into 4 parts. Then, spreaded the straw in 2 ft x 2 ft x 6 -7 inch height in either North-South direction or east-west direction. The spawn applied only in boarders leaving 3-4 inch from the extreme boarders. Distance between two pieces is 4 inch approximately; one fourth gram powder was applied exactly over the spawn piece. In the 2^{nd} layer except the reverse direction of spreading of straw other process are similar to the first layer. In the third layer the direction of spreading of straw is reverse to the 2^{nd} layer and over it 2 parts

of spawn and 2 parts of grain powder were spread keeping 4" distance between them. Bed was covered for 8 days with transparent polythene and then removed and applied clean sprinkled water on the dried portion of the bed. Mushroom was plucked from the base at its egg or bud stage on 11^{th}, 12^{th} & 13^{th} day.

Man power Involvement:

He & his family members are actively involved with this enterprise

Packaging and handling:

After harvesting, mushroom was packed in air tight polythene bags for sale in market.

Cost: Benefit Ratio:

Mr Sahoo spent Rs 30 per bed and earned a net profit of Rs 46 per bed. The B:C ratio was 2.53 for the enterprise.

Status of Entrepreneur:

Before the enterprise:

- Low income from homestead land
- Difficulty in managing family
- No employment opportunity for the rural youth

After the enterprise:

.

- Improvement of economic condition.
- Capacities build up by gain in knowledge & skill.
- Commercial Entrepreneurship
- Rise of social status
- Availability of spawn for the farmers

Present working condition of the enterprise:

This is an economically viable enterprise. The market demand is increasing day by day. The availability labour and of paddy straw are getting scarce day by day.

Horizontal spread of enterprise:

More and more farmers are now taking up mushroom cultivation as backyard farming. More than 115 villages covering 6 blocks are now taking up paddy straw mushroom cultivation as backyard farming.

Recognition/Award:

In recognition of his contribution to mushroom cultivation, Mr Ullash Sahoo was awarded during University Foundation Day in year 2010.

Case study-1
AQUA SHOP ENTERPRENEURSHIP

Name of the Enterprise: ONE STOP AQUA SHOP

Name and complete address of Entrepreneur:

Mr. Bijaya Kumar Parida

S/O: Antaryami Parida

Village: Nuagaon

Block: Nayagarh

Dist: Nayagarh, Odisha

Intervention KVK, Nayagarh

Pre intervention Survey:

- No income from homestead land
- Less profit from agriculture & farm land
- No sustainable business

Post intervention survey:

- He is earning Rs.7000/- to Rs.8500/- per month.
- Accepting it as a sustainable business
- Improvement of economic condition
- Managing his family in a better way

Training:

He was trained on ornamental fish breeding & culture practices along with preparation of different types of aquarium for selling.

Demonstration:

Front line Demonstration (FLD) was conducted in his field & other farmers field of Village Nuagaon on ornamental fish rearing & culture practices.

Field Day, Group Meeting:

Three nos of group meetings & two field days were organized successfully. The FEO and ADF (Fisheries) Nayagarh were participated in these programmes.

Publicity & Marketing

- The aqua shop acts as a visiting place for the people of Nayagarh district.
- It is also act as a disseminating unit in fisheries development of the Nayagarh district.
- Good marketing network in the district & nearby districts of Odisha

Time Line of Entrepreneurship Development:

He was trained on ornamental fish breeding & culture practices along with preparation of different types of aquarium for selling in 2007. In 2008, FLD on Ornamental fish rearing & culture practices were conducted in his field. After getting successful results from the demonstration of KVK, he was very much enthusiazed as towards ornamental colour fish business for his better sustenance. Then he had taken a bank finance of Rs. 1,00000/- from SBI, ADB, Nayagarh in 2009. After fully establishment of the aquashop in Nayagarh, he repaid the whole loan amount within 2 years and now he is earning an amount of Rs.7000/- to Rs.8500/- per month. By adopting this enterprise as a business, he is maintaining is family in an effective manner his quite satisfied with this low investment aquaculture entrepreneurship development technology.

Technical components in the enterprise:

Raw materials:

Silicon gel, Paste gum, Glass cutter, Fiber hoods, Low cost tanks, Gold fish, Aquatic plants, Plastic threads, $KMnO_4$ solution, proteinous feed.

Methodology:

Training related to preparation of aquarium like measurement and glass cutting and fixing the glass with the silicon gel and use of paste gun and maximum utilization of one paste tube for more aquarium. Preparation of different types of fiber hoods for the aquarium for more aquarium of the customer. Preparation of low cost tanks for breeding of live bearer ornamental fishes and gold fishes. In gold fish breeding he was advised to feed more proteinious feed to the brood fishes during the breeding season and they were kept in one tank with aquatic plant od hydrilla and plastic thread bunches. Before putting those plants and plastic threads they were treated with $KMnO_4$ solution. After breeding the young ones

were fed with proteinious feed. The AQUA SHOP was equipped with all types of feed, fertilizer, medicines, equipment necessary for aquaculture practices.

Man power Involvement:

He & his family members are actively involved with this Enterprise

Packaging and handling:

Ornamental fishes were packed in air tight polythene bags and different sizes of aquariums were made for sale in the market.

Cost: Benefit Ratio:

The B: C ratio was 3.11 for the enterprise.

Status of Entrepreneur:

Before the enterprise

- No income from homestead land
- Less profit from agriculture & farm land
- No sustainable business

After the enterprise

- Capacity builds up by gain in knowledge & skill.
- Commercial Entrepreneurship.
- Improvement of economic condition
- Marketing of farmer produced ornamental fish.
- Availability of inputs for the fish farmers.

Present working condition of the enterprise:

This is an economically viable enterprise. Raw materials are available in sufficient quantities and comparatively cheaper price. The preference of consumers towards aquarium is increasing day by day. Good marketing network is established in the Nayagarh district.

Horizontal spread of enterprise:

With the opening of aqua shop in Nayagarh town the large numbers of young youth has come up with the culture of ornamental fishes in the backyard of homestead land. Some farmers also have started the deformed vermin compost tanks to ornamental fishes culture units. This culture

has covered in all the blocks of the district where before two years back there was not a single ornamental fish breeding units in Nayagarh district. In aqua shop case three aqua shops has opened in the district with a 43nos of ornamental fish breeding units in the districts. With this the school drop out young youths were engaged them selves in the entrepreneurship business.

License, Advertisements: Various sizes of aquariums are available in a comparatively cheaper price. Well advertised in Nayagarh as well as in near by districts of Odisha.

Recognition/Award:

He has received the best farmer award for popularizing ornamental fish culture for aqua shop enterprise on the eve of OUAT foundation day in the year 2009.

Conclusion :

This is a very good low investment aquaculture entrepreneurship business for the young school drop outs in all over the country. With this entrepreneurship a family can sustain in round the year.

	
One to one training in aquarium preparation	**Zonal Coordinator in ornamental fish unit in farmers field**

	
Triangle type aquarim made by Mr. Bijaya Parida	**Dean Extension, OUAT and Director, PDCSR in farmers ornamental fish unit**
	
Honble CM, Orissa Felicitating Mr Bijaya Parida for ornamental fish.	**NABARD exposure visit from six states to farmers ornamental fish unit**

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