

**FORMAT
FOR
ANNUAL REPORT OF THE KVKs IN
ZONE VII**

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PERIOD – April, 2012 to March, 2013

Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
	OFTs	22	161	18	135	-
	FLDs – Oilseeds (activity in ha)	5ha	17	5ha	18	-
	FLDs – Pulses (activity in ha)	10ha	30	10ha	35	-
	FLDs – Cotton (activity in ha)	-	-	-	-	-
	FLDs – Other than Oilseed and pulse crops(activity in ha)	23.2	130	17.7ha	114	-
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	11	2	14	-
	Training-Farmers and farm women	69	1725	69	1725	-
	Training-Rural youths	14	280	14	280	-
	Training- Extension functionaries	8	200	8	200	-
	Extension Activities	1018	4126	1045	4517	-
	Seed Production (Number of activity as seeds in quintal)	0.6qtl	10	0.6qtl	10	-
	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	-
	Seedling Production (Number of activity as number of seedlings in numbers)	36500	420	36658	340	14257/-
	Sapling Production (Number of activity as number of sapling in numbers)	4100	250	2962 (1800 Mango Grafts are in stock)	183	43801/-
	Other Bio- products (No. of quantity)(Vermi-compost)	-	200	12.32qtl	121	9182/-
	Livestock products	4000	160	750	45	33750/-
	Activities of Soil and Water Testing Laboratory	-	--	-	-	-
	Rainwater Harvesting System	-	--	-	-	-
	Kisan Mobile Advisory (KVK-KMA)	120	3120	92	1024	-
	SAC Meeting (Date & no. of core/ official members)	-	22	1 09.10.2012	20	
	Literature to be Developed/Published	08	2642	08	4000	
	Convergence programmes / Sponsored programmes	-	-	2	-	
	Utilization of Farmers Hostel	-	-	-	-	

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
	Utilization of Staff Quarters	-	-	-	-	
	Details of KVK Agro-technological Park	5	-	-	-	
	Crop Cafeteria-	-	-	-	-	
	Farm Innovators- list of 10 farm innovators from the District	-	-	-	4	
	Status of Revolving Funds	-	-			1,33,975.00
	Awards and Recognitions	-	-	2	2	
	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)	8	300	8	364	
	Technology Demonstration under Tribal Sub Plan	-	-	-	-	
	KVK Ring	-	-	-	-	
	Important visitors to KVK	-	-	-	-	
	Status of KVK Website	-	-	-	-	
	Status of RTI	-	-	-	-	
	E-connectivity	-	-	-	-	
	Details of Technology Week Celebrations	12	560	15	710	
	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 31.03.13)

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.	37400- 67000	48120	17.07.09	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist1	Mr. Swagatika Sahu	SMS (Fisheries)	M.F.Sc	Fisheries	15600-39100	16920	9.11.12	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist2	Mr. Arjuna Mohan Prusti	SMS (Plant Breeding)	M. Sc (Ag)	Plant Breeding	15600-39100	19050	01.09.08	Temporary	Other
KVK, Nayagarh	Subject Matter Specialist3	Mr. Trinath Khandaitaray	SMS (Plant Protection)	M. Sc (Ag)	Entomology	15600-39100	19050	18.07.09	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)	M.Sc (Ag)	Agril. Extension	15600-39100	16920	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,MCA)	Computer	9300-34800	12430	10.03.06	Temporary	Other
KVK, Nayagarh	Farm Manager	Vacant	-	-	-	-	-	-	-	-
KVK, Nayagarh	Computer Programmer	Mr. Bikram Keshari Parimanik	Pro. Asst. (Forestry)	B.Sc	Forestry	9300-34800	11940	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 ⁰ C
15.	Minimum temperature	11.0 ⁰ C
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.
	Between 1 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	2010	Dasapalla	50 km	950	850
Nayagarh	Giridipalli	2011	Khandapada	35km	625	575
Nayagarh	Mardarajpur	2010	Nayagarh	30km	700	658
Nayagarh	Anlamada	2012	Khandapada	12km	570	435
Nayagarh	Darpanarayanpur	2012	Ranpur	35km	625	575

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

KVK Name	THRUST AREA
KVK Nayagarh	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
KVK Nayagarh	Crop diversification from rice 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, 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 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	RICE : 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 2012	Yield plateau in medium land rice	Assessment	Varietal evaluation	Rice	Irrigated	2ha	14	Assessment of rice hyb. Ajaya	46.68	56.48	22693	32643
Nayagarh	Kharif 2012	Imbalance application of nutrients (without organics) gradually decreasing soil health & fertility	Assessment	Soil fertility management	Rice	Rainfed	2ha	10	Assessment of soil test based INM in rice	42.62	53.78	18057	28448
Nayagarh	Rabi 2012-13	Yield reduction in greengram due to increased acidity in soil	Assessment	Soil health & fertility management	Greengram	Rainfed	2ha	10	Assessment of PMS application an acid soil on performance of greengram	5.21	6.15	8323	11508
Nayagarh	Rabi 2012-13	Heavy weed infestation in early stage reduces crop yield	Assessment	Weed management	Sugarcane	Irrigated	2ha	10	Assessment of metribuzin application @ 0.75kg ai/ha for mgt. of weeds in sugarcane	Crop in tillering stage		-	-
Nayagarh	Rabi 2011-12	High density planting reduces cane yield and increases production cost	Assessment	ICM	Sugarcane	Irrigated	0.4ha	5	Assessment of SSI method of cultivation in sugarcane	1054	1252	116760	171220
Nayagarh	Kharif 2012	Reduction of yield due to severe BPH infestation	Assessment	IPM	Rice	Rainfed	1 ha	10	Assessment of neonicotinoids for BPH mgt. in Rice	43.6	52.9	20649	30952
Nayagarh	Kharif 2012	Yield instability due to heavy borer incidence	Assessment	IPM	Maize	Rainfed	1 ha	10	Assessment of integrated measures for cob borer mgt. in Maize	41.5	52.1	18094	27766
Nayagarh	Rabi 2012-13	Heavy YMV & root rot in green gram	Assessment	IDM	Greengram	Canal Irrigated	0.5 ha	5	Assessment of fungicides for root rot & YMV in greengram	4.33	5.71	6760	10601
Nayagarh	Rabi 2012-13	Severe wilt problem in groundnut at early stage of crop growth	Assessment	IDM	Groundnut	Canal irrigated	0.5 ha	5	Assessment of fungicides for wilt control in groundnut	14.3	18.5	15649	28421

Nayagarh	Rabi 2012-13	Problem in primary processing	Assessment	Drudgery reduction	Sugarcane Stripper		1unit	10	Assessment of sugarcane stripper	38Kg/hr	46Kg/Hr	6300	7875
Nayagarh	Rabi 2012-13	Low yield from local cultivar, poor dry recovery	Assessment	Varietal evaluation	Turmeric	Rainfed,u pland	0.2ha	4	Assessment of turmeric var. Lakdong	79.6	101.2	28,940	70,040
Nayagarh	Kharif 2012	Poor yield, low keeping quality.	Assessment	Varietal evaluation	Marigold	Irrigated, medium land	0.2ha	4	Assessment of African marigold var. ceracola	37.8	49.5	44,100	81,750
Nayagarh	Rabi 2012-13	Incidence of heavy fruit drop in mango	Assessment	Integrate crop mgt.	Mango	Rainfed,u pland	0.8 ha	7	Assessment of control of fruit drop in mango	65 kg/plant	86 kg/plant	280/plant	463/plant
Nayagarh	Rabi 2012-13	Low yield from improper fertilization	Assessment	INM	Pointed gourd	Irrigated, medium land	0.8 ha	5	Assessment of nutrient mgt. in pointed gourd	Crop is in vegetative stage			
	Rabi, 2011-12	Performance of local desi goat on milk and meat production is low	Assessment	LPM	Jamunapari	Open yard	1	1	Assessment of growth performance of Jamunapari	14.5	22.6	-	-
Nayagarh	Kharif 2012	Low growth rate of poultry in backyard	Assessment	LPM	Poultry	Backyard	4 units	4	Assessment of azolla as feed in backyard poultry	Continuing	-	-	-
Nayagarh	Kharif, 2012	Fish mortality due to low oxygen depletion	Assessment	FIS	IMC	Low land	4 unit	4	Assessment KMnO4 to control oxygen depletion in fish pond	21.5	24.27	101250	120800
Nayagarh	Rabi 2012-13	Fish mortality due to adverse environment	Assessment	FIS	IMC	Low land	1Ha	4	Assessment of bio-pesticide in fish pond for disease control	20.4	26.8	90,500	136500
Nayagarh	Khraif 2012	Underutilized backyards and homesteads	Assessment	AGF	Cassava (<i>Manihot escelens</i>)	upland	0.4ha	10	Assessment of growth and yield of Cassava in homesteads	-	-	-	-
Nayagarh	Kharif 2012	Intercropping insufficient in mango and teak	Assessment	AGF	Pipali (<i>Piper longum</i>)	upland	0.4ha	5	Assessment of growth and yield of pippali as an intercrop in teak and mango	-	-	-	-
-	-	-	-	AGF	Medicinal plants (aswagandha/ Aloe vera)	upland	0.4ha	2	Assessment of growth and yield of medicinal plants as intercrop in cashew plantation	-	-	-	-
Nayagarh	Rabi 12-13	Use of non-graded seeds in nurseries result in loss of time and labour	Assessment	AGF	Teak	upland	0.4ha	5	Assessment of growth and survival of graded teak seeds for nurseries	-	-	-	-

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of rice hyb. Ajaaya	Rice hyb. Ajaya produced an average yield of 56.48q/ha in irrigated medium land condition which was 20.99% higher than HYV MTU-1001. It has also very good grain quality.	Seed material of rice hyb. Ajaya should be made available at the time of sowing i.e June & July for irrigated transplanting situation to improve productivity in rice. Rice hybrid Ajaya may be popularized through various extension methods to boost rice production in irrigated medium land.
Assessment of soil test based INM in rice	Integrated nutrient mgt. practices consisting application of FYM @ 5t/ha with NPK @ 80:40:40 kg/ha and ZnSO ₄ @ 25kg/ha produced grain yield of 53.78q/ha which was 32.40% over farmers practice (FYM @ 1.25t/ha + NPK @ 24:5:3 kg/ha. Average control plot yield was 40.62q/ha	Sufficient quantity of chemical fertilizers may be available at G.P level for farmers use. Farmers may be awarded importance of organic matter in improving soil physical, chemical, biological properties. Scarcity of fertilisers from July to October should be avoided. INM practice in rice may be popularized by different extension activities
Assessment of PMS application an acid soil on performance of greengram	Application of paper mill sludge (PMS) on acid soil increased grain yield from 5.21q/ha in control plot to 6.15q/ha in treated plot thus increasing 18.04% in productivity.	Sufficient quantity of PMS should be made available at GP level for use as soil amendment. Farmers should be made aware about the uses & advantages of PMS application in acid soil for increasing productivity. Application of PMS in acid soil should be popularized by different extension methods
Assessment of metribuzin application @ 0.75kg ai /ha for mgt. of weeds in sugarcane	Crop in tillering stage	
Assessment of SSI method of cultivation in sugarcane	Sustainable sugarcane initiative method of cultivation in sugarcane produced average cane yield of 125.2t/ha which was 18.78% more than the control plot (105.4t/ha) further the cost of cultivation reduced from Rs.1,20,390/ha in farmers control plot to Rs. 1,10,480 in SSI plot.	Sufficient quantities of portrays and coir pith should be made available at farmers point. SSI method of cultivation in sugarcane should be popularized for cost reduction & higher yield.
Assessment of neo-nicotinoids for BPH mgt. in Rice	Spraying of neo-nicotinoid, Thiamethoxam @ 0.2 kg/ha 2-3 times at 10 days interval to the just above ground stems from the water level	Spraying of neo-nicotinoid, Thiamethoxam @ 0.2 kg/ha 2-3 times at 10 days interval to the just above ground stems from the water level
Assessment of integrated measures for cob borer mgt. in Maize	Soil application of cartap hydrochloride @ 25 kg/ha, use of tricho cards @ 120000/ha for 2-3 times at 10 dsys interval, need based spray with trizophos@ 1ltr/ha for 1 to 2 times.	Soil application of cartap hydrochloride @ 25 kg/ha, use of tricho cards @ 120000/ha for 2-3 times at 10 dsys interval, need based spray with trizophous@ 1ltr/ha for 1 to 2 times.
Assessment of fungicides for root rot & YMV in greengram	Seed treatment with carboxyn 37.5% + thiram 37.5% @ 1.5gm/kg of seed, foliar spray with imidachloprid 17.8% SL @ 0.2ltr/ha and multi neem @ 2.5ltr/ha at vegetative & pod formation stage respectively, installation of yellow sticky traps@ 20nos/ha.	Seed treatment with carboxyn 37.5% + thiram 37.5% @ 1.5gm/kg of seed, foliar spray with imidachloprid 17.8% SL @ 0.2ltr/ha and multi neem @ 2.5ltr/ha at vegetative & pod formation stage respectively, installation of yellow sticky traps@ 20nos/ha.
Assessment of fungicides for wilt control in groundnut	Seed treatment with carboxyn 37.5% + thiram 37.5% @ 1.5gm/kg of seed, foliar spray with carboxyn 37.5% + thiram 37.5% @ 0.75kg/ha for 2to3 times at 10 days interval at the early stages of crop growth.	Seed treatment with carboxyn 37.5% + thiram 37.5% @ 1.5gm/kg of seed, foliar spray with carboxyn 37.5% + thiram 37.5% @ 0.75kg/ha for 2to3 times at 10 days interval at the early stages of crop growth.
Assessment of turmeric var. Lakadong	HYV of turmeric, Lakdong, seed rate for 20qtl/ha seed size 20gm FYM 20t/ha along with RDF produced 101.2q/ha of rhizomes.	HYV of turmeric, Lakdong, seed rate for 20qtl/ha seed size 20gm FYM 20t/ha along with RDF be recommended.

Assessment of African marigold var. ceracola	African marigold var. ceracola (orange type) , nursery raising under plastic low tunnel, planting in beds, spacing 2x2 ft(RXR),1.5X 1.5 ft (PXP),1ft.(bed-bed),along with RDF	African marigold var. ceracola (orange type) , nursery raising under plastic low tunnel, planting in beds, spacing 2x2 ft(RXR),1.5X 1.5 ft (PXP),1ft.(bed-bed),along with RDF
Assessment of control of fruit drop in mango	Spraying Planofix @ 1ml per 4.5 l of water and Borovin (Boron 20%) @ 1.5-2g per l of water at marble stage of fruit	Spraying Planofix @ 1ml per 4.5 l of water and Borovin (Boron 20%) @ 1.5-2g per l of water at marble stage of fruit
Assessment of nutrient mgt. in pointed gourd	Crop is in vegetative stage	
Assessment of azolla as feed in backyard poultry	continuing	continuing
Assessment of KMnO ₄ in fish pond	Application of 250g KMnO ₄ at 1 acre area can increase oxygen level at anoxia condition in fish.	Application of 250g KMnO ₄ at 1 acre area can increase oxygen level at anoxia condition.
Assessment of biopesticide in fish pond for disease control	Application of neem oil at 2 ppm can effectively control fish disease in winter season.	Application of neem oil at 2 ppm can effectively control fish disease in winter season.
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 leaves & dinting of cane after harvest.

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)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃
Nayagarh	Assessment of rice hybrid Ajaaya	46.68	56.48	-	35657	37957	-	58350	70600	-	22693	32643	-	1.64	1.86	-
Nayagarh	Assessment of soil test based INM in rice	40.62	53.78	-	32718	38777	-	50775	67225	-	18057	28448	-	1.55	1.73	-
Nayagarh	Assessment of PMS application an acid soil on performance of greengram	5.21	6.15	-	14601	15552	-	22924	27060	-	8323	11508	-	1.57	1.74	-
Nayagarh	Assessment of SSI method of cultivation in sugarcane	1054	1252	-	120390	110480	-	237150	281700	-	116760	171220	-	1.97	2.55	-
Nayagarh	Assessment of metribuzin application @ 0.75kg ai/ha for mgt. of weeds in sugarcane	Crop tillering stage														
Nayagarh	Assessment of neonicotinoids for BPH mgt. in Rice	43.6	52.9	-	33851	35173	-	54500	66125	-	20649	30952	-	1.61	1.88	-
Nayagarh	Assessment of integrated measures	41.5	52.1	-	30669	33452	-	48763	61218	-	18094	27766	-	1.59	1.83	-

	for cob borer mgt. in Maize															
Nayagarh	Assessment of fungicides for root rot & YMV in greengram	4.33	5.71	-	12292	14523	-	19052	25124	-	6760	10601	-	1.55	1.73	-
Nayagarh	Assessment of fungicides for wilt control in groundnut	14.3	18.5	-	37261	40029	-	52910	68450	-	15649	28421	-	1.42	1.71	-
Nayagarh	Assessment of turmeric var. Lakadong	79.6	101.2	-	82,500	1,02,000	-	1,11,440	1,72,040	-	28,940	70,040	-	1.35	1.7	-
Nayagarh	Assessment of African marigold var. ceracola	37.8	49.5	-	88,200	91,500	-	1,32,300	1,73,250	-	44,100	81,750	-	1.5	1.9	-
Nayagarh	Assessment of control of fruit drop in mango	65 kg/tree	86 kg/tree	-	500/tree	560/tree	-	780/tree	1023/tree	-	280/tree	463/tree	-	1.5	1.8	-
Nayagarh	Assessment of nutrient mgt. in pointed gourd	Crop is in vegetative stage														
Nayagarh	Assessment of sugarcane stripper	38Kg/hr	46Kg/Hr								6300	7875				
Nayagarh	Assessment of growth performance of Jamunapari	Continuing														
Nayagarh	Assessment of azolla as feed in backyard poultry	Continuing														
Nayagarh	Assessment KMnO4 to control oxygen depletion in fish pond	21.5	24.27	12.9	60000	61250		161250	182050		101250	120800		2.68		2.97
Nayagarh	Assessment of biopesticide in fish pond for disease control	20.4	26.8	31.3	62500	64500		153000	201000		90500	136500		2.45		3.12
Nayagarh																

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2011-12)

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	Rice	20	Green manuring in direct seeded kharif rice	Training, leaf lets, exposure visit, video show, news paper	21	240	209
KVK, Nayagarh	Rice	10	Varietal substitution in rice	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	Rice 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, 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 <i>Acacia mangium</i>	Training, Group discussion, News paper coverage	8	65	6

3.2 Details of FLDs implemented during 2012-13

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrate d	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprize s	Results (q/ha)		% chang e	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Nayagarh	Varietal substitution	Rice	Kharif 2012	Performance of rice Upahar	2ha	Upahar	50.25	42.4	18.5	-	-	6	4	10
Nayagarh	Soil health & fertility mgt.	Maize	Kharif 2012	Performance of INM in Maize	2ha	NMH 51 (Nilesh)	54.25	43.68	24.2	-	-	10	-	10
Nayagarh	Integrated crop management	Sugarcane	Rabi 2012- 13	Performance of pit method of planting in sugarcane	0.4ha	Raghunath	Crop is in tillering stage					4	1	5
Nayagarh	Integrated crop management	Sugarcane	Rabi 2012-13	Performance of Sustainable Sugarcane Initiative method of sugarcane cultivation	0.4ha	Raghunath	Crop is in tillering stage					5		5
Nayagarh	Integrated crop management	Sugarcane	Rabi, 2011-12	.Performance of sugarcane var. Co OR 04-152 (Raghunatha)	0.4ha	Raghunath	1207	1012	19.27	0	0	5	0	5
Nayagarh	Integrated crop management	Sugarcane	Rabi, 2011-12	Performance of pit method of planting in sugarcane	0.4ha	Raghunath	1286	1108	16.1	0	0	5	0	5
Nayagarh	IDM	Rice	Kharif 2012	IDM for sheath blight in kharif rice	2.0 ha	Pratiksha	53.1	41.2	28.88	1	1	7	1	10
Nayagarh	Bio-control of pests & diseases	Sugarcane	Kharif 2012	Biological control for sugarcane borers	4.0 ha	Raghunath (CO-OR-04-152)	1380	1115	23.76	1	-	6	3	10
Nayagarh	Income generation	Bee Keeping	Rabi 2012-13	Scientific bee keeping	10 units	<i>Apis cerana indica</i>	6.1kg/box/year	4.3kg/box/year	41.86	1	-	7	2	10
Nayagarh	Bio-control of pests & diseases	Tomato	Rabi 2012-13	Microbial control for fruit borer in tomato	1 ha	Chiranjivi	310.7	241.3	28.76	3	3	3	1	10
Nayagarh	Income generation	Poultry	Kharif, 2011	Performance of back yard poultry	30nos	Vanaraja	200eggs/bird/year	60eggs/bird/year	313.3	2	-	3	1	6
Nayagarh	Income generation	Mushroom	Rabi 2012-13	Off season rice straw mushroom	1 unit	Mushroom	1.2 kg/bed	0.3 kg/bed	300.0	-	-	-	1	1

Nayagarh	Integrated weed management	Mango	Kharif 2012	Plastic mulching in new mango orchard	2 ha	Amrapalli	91 cm.(Plant Ht.)	77 cm.(Plant Ht.)	19.7	-	-	2	3	5
Nayagarh	Varietal evaluation	Yam	Kharif 2012	Performance of HYV of yam Odisha Elite	0.2ha	Odisha Elite	239.6	186.9	28.2	-	-	4	-	4
Nayagarh	Varietal evaluation	Pumpkin	Rabi 2012-13	Performance of HYV of pumpkin, Baidyabati	0.8ha	Baidyabati	262.5	205.6	27.6	-	-	5	-	5
Nayagarh	Varietal evaluation	Chilli	Rabi 2012-13	Performance of HYV chilli, utkal abha	0.4ha	Utkal Abha	92.3	79.8	16.4	-	-	5	-	5
Nayagarh	Production & mgt.	Cat fish	Kharif 2012	<i>Pangasius suchi</i> culture	0.5	<i>Pangasius suchi</i>	-	-	Continuing					
Nayagarh	Production & mgt.	IMC	Kharif 2012	Yearling culture practice	0.5	IMC	47.9	21.3	124.9	-	-	2	-	2
Nayagarh	Production & mgt.	IMC	Rabi 2012-13	Application of CIFAX	3	IMC	27.2	21.3	27.7	-	-	3	-	3
Nayagarh	IFS	Poultry	Kharif 2012	Dual purpose poultry for farming system	2	Vanaraja	-	-	Continuing	-	-		2	2
Nayagarh	AGF	Black pepper	Kharif 2012	Introduction of black pepper as an intercrop in mango	-	-	-	-	-	-	-	-	-	-
Nayagarh	AGF	Teak	Kharif 2012	Introduction of stump planting of teak in Agroforestry systems	-	-	-	-	-	-	-	-	-	-
Nayagarh	AGF	Teak, Mangium	Kharif 2012	Introduction of MPTs in farm lands	-	-	-	-	-	-	-	-	-	-
Nayagarh	Value addition	Cassava	Rabi 12-13	Use of chipmaker for Tapioca Chips preparation	-	-	-	-	-	-	-	-	-	-

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	Rice	Performance of rice Upahar	Plant height (cm)	136	117								
			Panicle length (cm)	26.2	22.4	36580	35240	62813	53000	26233	17760	1.72	1.5
			Grains/panicle	227	198								
Nayagarh	Maize	Performance of INM in Maize	No of rows/cob	18	14								
			Grains/row	40	32	34833	31878	63744	51324	28911	19446	1.83	1.61
Nayagarh	Sugarcane	Performance of pit method of planting sugarcane	The crop is in tillering stage										
Nayagarh	Sugarcane	Performance of Sustainable Sugarcane Initiative method of sugarcane cultivation	The crop is in tillering stage										
Nayagarh	Sugarcane	Performance of sugarcane var. Co OR 04-152 (Raghunatha)	Cane length(mt)	3.48	3.27	12808		27157	22770				
			Cane dia(cm)	3.48	2.95	0	122580	5	0	143495	105120	2.12	1.86
Nayagarh	Sugarcane	Performance of pit method of planting in sugarcane	Cane length (mt)	3.52	3.25	12144		28935	24930				
			Cane dia (cm)	3.50	2.91	0	125276	0	0	167910	124024	2.38	1.99
Nayagarh	Rice	IDM for sheath blight in kharif rice	Sheath blight incidence (%)	11.8	25.3	34751	31024	66375	5150	31624	20476	1.91	1.66
									0				
Nayagarh	Sugarcane	Biological control for sugarcane borers	Borer incidence (%)	11.3	25.9	12520	117782	31050	2508	185298	133093	2.48	2.13
						2		0	75				
Nayagarh	Bee Keeping	Scientific bee keeping	Bee mortality (%)	6.8	19.3	570	460	1525	1075	955	615	2.68	2.34
Nayagarh	Tomato	Microbial control for fruit borer in tomato	Fruit borer damage (%)	8.6	28.4	51568	48503	12428	9652	72712	48017	2.41	1.99
								0	0				

Nayagarh	Poultry	Performance of back yard poultry	Kg/bird	3.1kg	0.75	-	-	-	-	15800	8550	2.88	2.31
Nayagarh	Mushroom	Off season rice straw mushroom	Temp.	300C	200C	16900	10900	54000	13500	37100	2600	3.2	1.23
Nayagarh	Mango	Plastic mulching in new mango orchard	Weed population(N o/m ²)	23	4	-	-	-	-	-	-	-	-
Nayagarh	Yam	Performance of high yielding var. of yam Odisha Elite	Avg. corm wt./pit	2.25	1.7	92150	82455	179700	140175	87550	57720	1.95	1.7
Nayagarh	Pumpkin	Performance of HYV of pumpkin, Baidyabati	Average fruit weight (kg)	7.8	6.2	55625	53600	118125	92520	62500	38920	2.1	1.7
Nayagarh	Chilli	Performance of HYV chilli, utkal abha	Green chilli yield (kg/m ²)	1.04	0.9	49700	46940	92300	79800	42600	32860	1.85	1.7
Nayagarh	Cat fish	<i>Pangasius suchi</i> culture	Continuing										
Nayagarh	IMC	Yearling culture practice	-	-	-	1,45,800	85,850	3,59,250	1,59,750	2,13,450	73,900	2.46	1.86
Nayagarh	IMC	Application of CIFAX	-	-	-	63,100	60,000	2,03,250	1,59,750	1,43,150	99,750	3.22	2.66
Nayagarh	Poultry	Dual purpose poultry for farming system	Continuing										
Nayagarh	Black pepper	Introduction of black pepper as an intercrop in mango	-	-	-	-	-	-	-	-	-	-	-
Nayagarh	Teak	Introduction of stump planting of teak in Agroforestry systems	-	-	-	-	-	-	-	-	-	-	-
Nayagarh	Teak, Mangium	Introduction of MPTs in farm lands	-	-	-	-	-	-	-	-	-	-	-
Nayagarh	Cassava	Use of chipmaker for Tapioca Chips preparation	-	-	-	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Nayagarh	Rice	Field days	1	50	-
		Farmers Training	10	250	-
		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	Field days	1	50	-
Nayagarh		Farmers Training	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	Yam	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	1	50	-
Nayagarh		Farmers Training	4	100	-
Nayagarh		Media coverage	4	-	-
Nayagarh		Training for extension functionaries	1	20	-
Nayagarh	IMC	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-

Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Cassava	Field days	1	50	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage			-
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	Black pepper	Field days	-	-	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage			
Nayagarh		Training for extension functionaries			
Nayagarh	Rice	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	-	-	-
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	Tomato	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	1	-	-
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.
	Nayagarh	Rice	Ajaya	Institute Firm	10	2ha
	Nayagarh	Maize	NMH 51(NILESH)	Firm	10	2ha

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	Rice variety Upahar is suitable under semi deep low land situation. Cultivation of rice var Upahar produced more yield , higher net return than the control plt var. Pooja	FLD, field day and group discussion	Increased yield and productivity and net return	Horizontal spread
	Integrated Nutrient Management in maize gave more yield longer cobs and improved soil condition	FLD, field day and group discussion	Increased yield and productivity and net return	Horizontal spread
	Sugarcane var Raghunath produced thicker & longer & higher weight canes with more sucrose content then the ruling var. CO6907	FLD and field day	Increased yield and productivity and net return	Horizontal spread
	Pit method of planting reduces cost of cultivation & quantity of seed cane requirement produced thicker longer canes, more no of tillers & higher yield.	FLD and field day	Increased yield, productivity net return & less cost of cultivation	Horizontal spread
	Integrated measure for sheath blight in Kharif Rice increases the yield with reduced cost of use of pp chemicals	FLD and field day	Reduced disease incidence, increased yield and net return	Horizontal spread

Nayagarh	Biological control for sugarcane borers is an eco-friendly pp measures for pest mgt.	FLD and field day	Reduced disease incidence, increased yield and net return	Horizontal spread
	Microbial control for sfruitborer in tomato is an eco-friendly pp measures for pest mgt.	FLD and field day	Reduced borer incidence, increased yield and net return	Horizontal spread
	Scientific Bee Keeping	FLD, field day and group discussion	As a low cost self-employment alternative for farmers	Horizontal spread
	Plastic mulching (100 micron) in new Mango orchard reduces weed incidence, increase plant growth.	FLD and field day	Increase in canopy size and reduced weed incidence.	Horizontal spread
	HYV of Yam ,Odisha Elite produced higher yield, corms having cream cortex	FLD and field day	Increase yield, good cooking quality, farmer appreciation	Horizontal spread
	HYV of Pumpkin Baidyabati produced higher yield with more avg. fruit wt.	FLD and field day	Increase yield, good storage ability.	Horizontal spread

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Nayagarh	<p>More proven technologies in rain fed areas relevant to small and marginal farmers for field ,vegetable & fruit crops</p> <p>Low cost bio intensive based pest management schedules for rain-fed areas</p> <p>Survivability of desi magur the major concern in the initial stage. So standardization of the technology is needed in this regard.</p> <p>Low cost small implements for drudgery reduction</p> <p>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.</p>

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	04.04.2012 Patharaganda, Singhapada	50
Nayagarh	F/FW	Group discussion	25.05.2012 Gadiasahi, Nua Gadiasahi	25
Nayagarh	F/FW	Group discussion	Fategarh	25
Nayagarh	F/FW	Group discussion	29.06.2012 Melambo	20
Nayagarh	F/FW	Group discussion, field visit, survey	18.07.2012 Khanguri	18
Nayagarh	IS	Group discussion NGO workers, Krushak club members & SHG members	07.08.12 Nuagaon, Jakola, Seranda	40
Nayagarh	F/FW	Group discussion, field visit, survey	12.09.12 Anlamada, Gopalipada	25
Nayagarh	RY	Group discussion	24.09.12 KVK campus	20
				25
Nayagarh	RY	Group discussion, field visit	26.09.12 Janisahi, Dalaksahi, Digiri	25
Nayagarh	F/FW	Group discussion, field visit, Wastage of Rice bi oriducts	4.10.12 Nuasgaon, lingiribari, Lunisara	25
Nayagarh	RY	Group discussion, field visit 1	12.10.12 Natim,,mahipur, Mardarajpur	20
Nayagarh	F/FW	Group discussion	15.11.12 Basantapur, Mayurjhallia	25
Nayagarh	F/FW	Group discussion, field visit, local resources available	26.11.12 Fategarh, Singapada	25
Nayagarh	F/FW	Group discussion, field visit	18.12.12 Mardarajpur, anlamada, ladukesharpur	25
Nayagarh	RY	Group discussion	05.12.2012 KVK Campus	25
Nayagarh	IS	Group discussion NGO workers, Krushak club members & krusaksathi	05.01.2013 KVK campus	15
Nayagarh	F/FW	Group discussion, field visit	06.02.2013 Anlamada, Jogiapalli, Gunthuni	21
Nayagarh	LTVT	Group discussion	13.02.13 KVK campus	12

Nayagarh	F/FW	Group discussion, field visit	02.03.2013 Fategarh, Tikiripada, Bhapur	25
Nayagarh	RY	Group discussion with SHG members	14.03.2013 KVK campus	15

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

Name of KVK	Category	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	IWM in Rice	1	2	25	1	0	0	0	1	0	23	0
Nayagarh	FW	ONC	CRP	Hybrid rice cultivation	1	2	25	0	0	6	0	0	0	19	0
Nayagarh	FW	ONC	CRP	Ratoon mgt. in sugarcane	1	2	25	0	0	0	0	0	0	25	0
Nayagarh	FW	ONC	CRP	Planting techniques in sugarcane	1	2	25	0	0	2	0	0	0	23	0
Nayagarh	RY	ONC	CRP	Quality seed production technology in rice	1	2	20	3	0	1	0	0	0	16	0
Nayagarh	RY	ONC	CRP	Vermicomposting	1	2	20	3	0	0	0	0	0	17	0
Nayagarh	IS	ONC	CRP	Nutrient mgt. in organic farming	1	2	25	3	1	2	1	1	1	14	2
Nayagarh	FW	ONC	CRP	SRI method rice cultivation	1	2	25	0	0	3	0	0	0	22	0
Nayagarh	FW	OFC	SFM	INM in rice	1	1	25								
Nayagarh	FW	OFC	SFM	INM in Maize	1	1	25	0	0	0	0	0	0	25	0
Nayagarh	FW	OFC	CRP	SRI method rice cultivation	1	1	25	0	0	3	0	0	0	22	0
Nayagarh	FW	OFC	CRP	Techniques of roguing in rice for quality seed production	3	3	75	8	0	6	0	0	0	61	0
Nayagarh	FW	OFC	SFM	Use bioinoculants pulses	1	1	25	0	0	3	0	0	0	22	0
Nayagarh	FW	OFC	SFM	IWM in rice	1	1	25	1	0	3	0	2	0	19	0
Nayagarh	FW	OFC	SFM	Hybrid rice cultivation	1	1	25	1	0	1	0	0	0	23	0
Nayagarh	FW	OFC	PLP	IPM for fruitfly in cucurbits	1	1	25	4	0	2	0	4	0	13	2
Nayagarh	FW	OFC	PLP	Biological control of sugarcane borers	1	1	25	10	0	2	0	0	0	11	2
Nayagarh	FW	OFC	PLP	IPM for eriophytemite in	1	1	25	3	3	0	0	10	2	5	2

Name of KVK	Category	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
				coconut1											
Nayagarh	FW	ONC	PLP	IPM for stem borer, BPH, Gandhi bug & cut worm in rice	1	2	25	0	0	0	0	5	2	16	2
Nayagarh	FW	ONC	PLP	IDM for sheath blight, blast and BLB diseases in rice	1	2	25	0	0	2	1	5	2	9	6
Nayagarh	FW	ONC	PLP	Management of die-back and fruit rot diseases in chilli	1	1	25	5	1	5	0	0	0	13	1
Nayagarh	FW	ONC	PLP	Integrated disease mgt. in vegetable nursery	1	2	25	7	5	3	1	3	0	6	0
Nayagarh	FW	ONC	PLP	IPM for major insect pests in cole crops	1	1	25	2	1	4	1	0	0	15	2
Nayagarh	FW	ONC	PLP	IPM for major sucking pests in oilseed crops	1	2	25	5	0	7	0	0	0	13	0
Nayagarh	FW	ONC	PLP	Integrated disease mgt. for root rot YMV in pulses	1	1	25	4	0	3	0	8	0	10	0
Nayagarh	FW	ONC	PLP	IPM for fruit & shoot borer in brinjal	1	1	25	8	1	4	2	0	0	10	0
Nayagarh	RY	ONC	PLP	Safe & judicious use of pesticides	1	3	20	0	0	5	0	4	0	11	0
Nayagarh	RY	ONC	PLP	Beekeeping	1	5	20	0	0	4	2	5	2	6	1
Nayagarh	IS	ONC	PLP	Use of bio pesticides and botanicals for pest management in organic farming	1	3	25	5	0	2	0	4	0	9	5
Nayagarh	IS	ONC	HOF	Rejuvenation of old mango tree	1	2	20	13	7	0	0	0	0	0	0
Nayagarh	FW	OFF	HOF	Planting techniques in mango	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	OFF	HOS	Raised bed method of turmeric planting	1	1	25	5	0	3	0	2	0	12	3

Name of KVK	Category	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	RY	ONC	HOV	Raising of Vegetable Nursery	1	2	20	5	0	3	2	0	2	8	0
Nayagarh	FW	OFF	HOT	Tuber treatment & planting technique in Yam	1	1	25	5	0	3	0	2	0	12	3
Nayagarh	FW	OFF	HOP	Improved technology of kharif marigold planting	1	1	25	12	3	5		3	2	0	0
Nayagarh	RY	ON	HOF	Quality planting material production in fruit crops	1	3	20	5	0	3	2		2	8	0
Nayagarh	FW	OFC	HOF	Production technology for raising Tissue Cultured Banana.	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	OFC	HOV	Foliar spray of specialized fertilizer In Vegetable crops	1	1	25	5	0	3	0	2	0	12	3
Nayagarh	FW	OFC	HOV	Planting & Nutrient Management in pumpkin	1	1	25	6	2	5	2	3	0	7	0
Nayagarh	FW	OFC	HOV	Planting & Nutrient Management in Chilli	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	OFC	HOF	Control of fruit drop in mango	1	1	25	5	0	3	0	2	0	12	3
Nayagarh	FW	OFC	HOV	Nutrient management in pointed gourd	1	1	25	6	3	3	2	5	0	6	0
Nayagarh	FW	OFC	HOV	Use of growth regulators in vegetable crops	1	1	25	15	0	5	3	2	0	0	0
Nayagarh	FW	ONC	WOE	Commercial cultivation in rice straw mushroom	1	1	25	0	0	2	0	3	0	0	0
Nayagarh	FW	ONC	WOE	Preparation of nutritious food items from vegetable wastes	1	1	25	0	0	0	0	0	0	0	0
Nayagarh	FW	ONC	WOE	Drudgery reduction tools & techniques	1	1	25	0	0	0	0	0	0	0	0
Nayagarh	FW	ONC	WOE	Preparation of nutritious food items from vegetable	1	1	25	0	0	0	0	0	0	0	0

Name of KVK	Category	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
				wastes											
Nayagarh	FW	ONC	WOE	Oyster mushroom cultivation	1	1	25	0	0	0	0	0	0	0	0
Nayagarh	RY	ONC	WOE	Cultivation of off season rice straw mushroom	1	2	25	0	0	0	0	0	0	0	0
Nayagarh	RY	ONC	WOE	Seed extraction of tomato & utilization of pulp for value addition	1	2	20	0	0	0	0	0	0	0	0
Nayagarh	IS	ONC	WOE	Spawn production technology	1	1	25	0	0	0	0	0	0	0	0
Nayagarh	FW	OFC	FIS	Feeding management in fish pond	1	1	25	-	-	-	-	-	-	25	-
Nayagarh	FW	OFC	FIS	Pangasius culture	1	1	25	4	-	-	-	-	-	21	-
Nayagarh	FW	OFC	FIS	Use of CIFAX	1	1	25	-	-	11	14	-	-	-	-
Nayagarh	FW	OFC	FIS	Multiple fish culture practice	1	1	25	2	-	1	-	-	-	22	-
Nayagarh	FW	OFC	FIS	Poultry based farming system	1	1	25	-	-	11	14	-	-	-	-
Nayagarh	FW	OFC	FIS	Fish disease management	1	1	25	-	-	-	-	-	-	25	-
Nayagarh	FW	ONC	FIS	Azolla production	1	1	25	3	-	3	1	-	-	17	1
Nayagarh	FW	ONC	FIS	Green manure in fish culture	1	1	25	2	-	-	-	-	-	23	-
Nayagarh	FW	ONC	LPM	Goat farming for livelihood	1	1	25	-	-	5	1	13	6	-	-
Nayagarh	FW	ONC	LPM	Backyard poultry	1	1	25	-	-	4	-	8	2	11	-
Nayagarh	RY	ONC	FIS	Preparation of fish pickle	1	2	20	-	2	-	-	-	-	-	18
Nayagarh	IS	ONC	FIS	Floating fish feed management	1	2	25	-	-	-	-	3	6	5	11
Nayagarh	FW	ONC	AGF	Medicinal plants identified for the district, their uses and cultivation	1	1	25	10	5	0	0	0	0	5	5
Nayagarh	FW	OFF	AGF	Significance of Cassava cultivation, its uses and planting in Agroforestry	1	1	25	10	0	5	0	0	0	10	0

Name of KVK	Category	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
				systems											
Nayagarh	FW	OFF	OTH	Importance of Rainwater Harvesting and its various approaches	1	1	25	10	0	0	0	0	0	15	0
Nayagarh	FW	OFF	AGF	Benefits of growing black pepper as an intercrop in Mango orchards	1	1	25	5	0	0	0	0	0	20	0
Nayagarh	FW	OFF	AGF	Growing Pippali for additional income	1	1	25	5	0		0	0	0	20	0
Nayagarh	RY	ONC	OTH	Leaf plate making using sal and siali leaves	1	2	20	0	0	5	5	5	5	3	2
Nayagarh	FW	OFF	OTH	Collection and processing of Non Timber Forest Produce viz.,mahua seeds and fruits,myrobalans,teak seeds,char seeds etc	1	2	25	0	0	5	5	5	10	0	0
Nayagarh	IS	ONC	AGF	Agroforestry models(ON)	1	2	25	0	0	0	0	0	0	25	0
Nayagarh	FW	OFC	OTH	Value addition of cassava	1	1	25	0	5		5	0	0	0	15
Nayagarh	FW	OFC	AGF	Bamboo as an component in IFS and its propagation methods	1	1	25	5	0	5	0	5	0	10	0
Nayagarh	FW	ONC	CBD	Formation of SHG & their role	1	1	25	0	0	0	2	0	5	0	18
Nayagarh	FW	OFC	CBD	Weed mgt. in rice	1	2	25	4	0	0	0	2	0	19	
Nayagarh	FW	OFC	CBD	Sustainable agriculture for organic farming	1	1	25	8	0	2	0	3	0	12	0
Nayagarh	FW	OFC	CBD	ITK in agriculture	1	2	25	0	0	0	0	0	0	25	0
Nayagarh	FW	OFC	CBD	Maintenance & use of sprayer	1	1	25	0	0	2	0	3	0	20	0
Nayagarh	FW	OFC	CBD	Scientific method of pulse production	1	1	25	4	0	0	0	0	0	21	0
Nayagarh	FW	OFC	CBD	Market led extension	1	1	25	0	0	0	0	0	0	25	0
Nayagarh	FW	ONC	CBD	Use of ICT for effective	2	2	50	0	0	10	0	6	0	34	0

Name of KVK	Category	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
				TOT											
Nayagarh	FW	OFC	CBD	Organizing farmers club	1	1	20	0	0	0	0	5	0	15	0
Nayagarh	RY	ONC	CBD	Leadership development for community work	1	1	20	0	0	0	9	0	0	11	0
Nayagarh	RY	ONC	CBD	Agro entrepreneurship development	1	1	20	0	0	4	0	0	0	16	0
Nayagarh	IS	ONC	CBD	PRA methodology	1	1	25	0	0	0	0	0	0	25	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	MPTs their uses, planting and planting material production	MPTs	Agro Forestry	3	2	0	1	0	12	5
Nayagarh	Entrepreneurship development in ornamental fish	Ornamental fish	Unemployed rural youths and school dropouts	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	9	22	15
Nayagarh	Entrepreneurship development in ornamental fish	Hatchery	15	25	10
Nayagarh	Bee Keeping	Apiary	60	115	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/R Y/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Nayagarh	Gender sensitization	Income generation		RY/FW	1	1	14	11	-	3	15	7	OGRC, OUAT, BBSR	Rs.3000/-

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/R Y/IS)	Duration (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 rice	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 rice. 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	Use of CIFAX	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	Multiple fish culture practice	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	Fish pickle preparation	20	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 diseases mgt.	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	Training on medicinal plants	25	50	65	-	-	-	-	1.All farmers who attended 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%
KVK, Nayagarh	Quality planting material production in fruit crops	20	32	45	-	-	50000	82000	1.No. of farmers adopted (no.)-18 2.% change in knowledge-41 Income-64
KVK, Nayagarh	Improved technology of kharif marigold planting	25	38	57	37.8	49.8	44100	81750	1.Area expanded (ha)-5 2.No. of farmers adopted (no.)-18 3.% change in knowledge-50 Production31 Income-85
KVK, Nayagarh									

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	14	480	220	282	68	32	11			
Nayagarh	Kisan Mela	2	2	222	68	73	37	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	2	25	7	5	3	0	0			
Nayagarh	Farmers Seminar	2	2	31	8	9	2	0	0			
Nayagarh	Workshop	6	3	0	0	0	0	0	0			
Nayagarh	Group meetings	4	4	61	14	18	7	0	0			
Nayagarh	Lectures delivered as resource persons	15	19	86	18	17	5	0	0			
Nayagarh	Newspaper coverage	10	10	0	0	0	0	0	0			
Nayagarh	Radio talks	8	4	0	0	0	0	0	0			
Nayagarh	TV talks	8	4	0	0	0	0	0	0			
Nayagarh	Popular Articles	8	8	0	0	0	0	0	0			
Nayagarh	Extension Literature	5	5	0	0	0	0	0	0			
Nayagarh	Farm Advisory Services	80	93	0	0	0	0	0	0			
Nayagarh	Scientific visit to farmers field	170	250	0	0	0	0	0	0			
Nayagarh	Farmers Visit to KVK	500	369	0	0	0	0	0	0			
Nayagarh	Diagnostic Visits	96	60	125	18	29	8	0	0			
Nayagarh	Exposure Visits	2	2	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	1	2	14	0	6	0	0	0			
Nayagarh	Self Help Group conveners meetings	4	6	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							
Nayagarh		Dhanicha	-	TL	0.6qtl	TL	3900	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		-	Seedlings	279	6000	8388	-
Nayagarh	Forest tree species	Mangium	Jan-Feb	July		-	Seedlings				-
Nayagarh	Forest tree species	Bamboo	May- June	Aug- Sept		Culm cutted bamboo	Vegetative propagated materials	348	820	1044	-
Nayagarh	Vegetable seedling	Tomato	Kharif & Rabi	Kharif & Rabi		Utkal Raja	Seedlings	36,158	7084	14257	-
Nayagarh		Brinjal				Utkal Tarini	Seedlings				-
Nayagarh		Onion				N-53	Seedlings				-
Nayagarh		Cauliflower				Snow Ball K-1	Seedlings				-
Nayagarh		Cabbage				Pusa Ageti	Seedlings				-
Nayagarh		Capsicum				Utkal Ragini	Seedlings				-
Nayagarh	Horticultural Plant	Drumstick				PKM- 2	Saplings	586	1164	4300	-
Nayagarh		Papaya				Ranchi dwarf, Red lady	Saplings				-
Nayagarh		Lime				Local	Saplings				-
Nayagarh		Mango grafts				Amarpalli	Saplings				1542nos
Nayagarh	Vermicompost		Round the year			<i>Eusemia foetida</i>		12.32qtl	3638	9182	-
	Ornamental flowers	Marigold Gladioli				Ceracola Jester	Seedlings	200 500	700	1400	-
	Mushroom cultivation	Rice straw	March- Oct			<i>Volvariella volvacea</i>	Mushroom	54kg	807	2020	-
		Oyster	Nov-Feb			<i>Pleurotus</i>	Mushroom				-

Nayagarh	Honey		Dec			<i>Apis cerena indica</i>		21kg	841	5250	-
Nayagarh	Mushroom spawn		Round the year			<i>V.Volvacea Pleurotus</i>		485bottles	1950	5784	-

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	BIOAGENTS				
Nayagarh	BIOFERTILIZERS (Vermicompost)	12.32qtl	3638	9182	Increases WHC, porosity & organic carbon content of the soil
Nayagarh	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Nayagarh	Cattle						
Nayagarh	Buffalo						
Nayagarh	Sheep and Goat						
Nayagarh	Poultry	Vanaraja	21 days chicks	750	26,640	33,750	Fast growing/ High egg production, backyard poultry
Nayagarh	Fisheries	Colour Fish	Fish pairs	80	-	800	
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/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					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
		Farmers	Ext. Pers.	
Nayagarh	92	990	34	INM, IWM, IPM, Introduction of new varieties/ breeds

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Nayagarh	9.10.12	20	<ol style="list-style-type: none"> 1. .Programmes on soil test & soil health mgt. 2. .Development of dhanicha seed village programme 3. . Introduction of sweet corn 4. . Deworming of kids 5. .Popularize eco-friendly approaches for pest mgt. 6. More work in collaboration with the line departments

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	June, 2012	Quarterly	500	500
Nayagarh	September, 2012	Quarterly	500	500
Nayagarh	December, 2012	Quarterly	500	500
Nayagarh	March, 2013	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	-	-
Nayagarh	VCD	-	-
Nayagarh	VCD	-	-

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	4	-	1. Coirpith a diversified organic waste in sustainable agriculture 2. Study of genetic diversity in bitter gourd 3. Establishment of cassava through different nursery mgt. techniques 4. Applicability of biotechnology for spices improvement in india	T. Khandaitaray, , T. Badjena, J.Sen A.Panda A.panda A.Panda	-
Technical bulletins	6			Mrs. Shelly Dash, T. Khandaitaray, B. K. Pradhan, T. Badjena, A. Panda	204
Popular article	6		Annually	T. Badjena, A. Panda	195
News paper coverage	84	-		T. Khandaitaray, A.M.Prusti, T. Badjena	85,000
Year Planner	1	1 st April, 2012	Annually	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	1 lakh	Pulse Research Development	Farmers field	-
Nayagarh	MNREGA					
	NHM					
Nayagarh	RKVY	Center	22 lakhs	Training hall, Farmers hostel furnishing, Admn. Building renovation & bore well	KVK, Nayagarh	-
Nayagarh	DRDA					
Nayagarh	Zila Panchyat					
Nayagarh	Seed Village					-
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
3	Nayagarh	Mr.Sumanta Sundaray	Manual operated trolley	Manapur Ph.No-7504562566
4	Nayagarh	Mr.Pabitra Khuntia	Low cost lifter	Gholasahi Ph.no.9937224235

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 2012	50
2	October 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: NA

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	9.10.12	Attended SAC meeting
Nayagarh	Dr.N.K.Naidu	19.07.12	Official visit

23. Status of KVK Website: Under process

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 of pests	1	50	Bio-control in sugarcane
Nayagarh	Farmers-scientists interaction	2	100	Prospects of off- season vegetable cultivation
Nayagarh	Exhibition	1	50	Scientific technologies on various crop & livestock's
Nayagarh	Film show	5	250	IPM, IDM, INM, IWM, mushroom cultivation, vermin-composting, varietal diversification in rice & vegetables
Nayagarh	Soil health Awareness campaign	2	100	-
Nayagarh	Road show	1	-	Latest Scientific technologies on various crop & livestock's
Nayagarh	Diagnostic Practical's			

Nayagarh	Distribution of Literature (No.)	1	40	Scientific cultivation of rice, sugarcane, pulses, apiculture, vermin-composting
Nayagarh	Distribution of Seed (q)			
Nayagarh	Distribution of Planting materials (No.) 150 nos (<i>A mangium</i> , teak & papaya saplings)	1	50	<i>A mangium</i> , teak & papaya
Nayagarh	Bio Product distribution (Kg)			
Nayagarh	Bio Fertilizers (q)	-	-	-
Nayagarh	Distribution of fingerlings (No)			
Nayagarh	Animal health camp	1	50	All kinds of livestock
Nayagarh	Total number of farmers visited the technology week	15	710	

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				

Vermis Produced

Name of KVK	Vermis 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	80,179	1,33,975	1,33,975

31. Awards & Recognitions


KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Nayagarh	Manjubala Dash	Farmer	OUAT,BBSR	-
Nayagarh	Suryamani Nayak	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

NAME	Smt. Manjubala Dash	
W/O	Jayakrishna Dash, Retd. CDMO-Cum-Joint Director, Govt. of Odisha	
VILL	Lingiribari	
PO	Singarpalli	
PS	Odagaon	
DIST	Nayagarh	
BLOCK	Nuagaon	
AGE	60	
QUALIFICATION	Graduate	
FAMILY MEMBERS	5	
LAND AREA	40AC	

After retirement of her husband from Govt. service, she decided to establish a horticultural farm. There was a single patch of 40 acres at Lingiribari and it was decided to take up it as farm in 2004. The name of the farm is “RUTUPARNA” an integrated farming system comprising of horticulture, fishery, forestry, goatery and poultry etc.

Horticulture:

There are 1000 mango trees containing varieties such as Keshar, Amrapalli, Dasherri etc. Kagji lime plants numbering 1000 are intercropped with mango plants.

Forestry:

There are 3000 teak plants in the orchard, avg girth 2-3ft.

Goatery:

100 no of Black Bengal goats are reared for manuring field and selling for meat.

Poultry:

100 no of poultry bird var. vanaraja are reared in one batch, yearly 10 batches.

Non- recurring Expenditure:

- a. Bush clearance and planting of teak Rs. 50,000/-
- b. Construction of deep borewell and river lift point Rs. 1.6lakh
- c. Electrification 11 lakh
- d. Construction of farm house & other expenditure Rs. 10 Lakh
- e. Purchase of farm machinery Rs. 2.0lakh
- f. Laying of drip lines Rs. 2.5lakh
- g. Establishment of farm pond Rs. 1.0lakh
- h. Shade construction for Goatary and cost of goatary (500 nos) Rs. 23 lakh

Recurring Expenditure:

Manuring:

(Organic & Inorganic):- Rs.50,000

Spray of pesticides & herbicides: Rs. 40,000

Engagement of permanent labours: Rs. 3,00,000 per annum

Daily labour : Rs. 20,000 per annum

Feeding & other expenditure: Rs1.2 lakh

Total expenditure in farm house per annum: Rs. 5.30 lakh

Income:

- a) Mango at present 300 bearing trees- Rs 2.0 Lakh
- b) K. Lime at present 300 bearing trees-Rs 4.0 Lakh
- c) Goatery -Rs 2.0 Lakh
- d) Poultry in 1 batch Rs 25,000 in 10 batch i.e.2.5 lakh
- e) Fish culture & inter cultivation Rs 50,000

Total income in farm house per annum Rs 11.0 lakh


Future plan:

Bee keeping, Mushroom Cultivation, Ripening Chamber, Pre-cooling chamber

Management:

In initial years Smt. Manjubala Dash has accomplished her husband to help farm works. She is now managing the whole farm. Her husband is in-charge of planning of the farm and her son (by profession a Mech. Eng. Not in service) is engaged in marketing.

Case study-1

NAME	Sri Suryamani Nayak	
FATHER	Late Bhumasen Nayak	
VILL	Anlamada	
PO	Gunthuni	
PS	Khandapara	
DIST	Nayagarh	
BLOCK	Khandapara	
AGE	42	
QUALIFICATION	Matric	
FAMILY MEMBERS	7	
LAND AREA	3.6ha	

Mr Suryamani Nayak S/O-Late Bhimasen Nayak Vill-Anlamada of Khandapara block and have passed matriculation with age about 42 years. He was having 3.6ha of land area with irrigation facilities out of 3.6 ha. He is cultivating 2.4ha of rice both of local & hybrid rice varieties. From direct sown rice he earned a net profit of only 15,000 per ha with a grain yield of 45 qtl but from transplanted hybrid rice yield of 80qtl/ha was obtained with a net profit of Rs. 45,000/-. Similarly he cultivated the sugarcane variety Raghunath COOR04152 a released variety from SRS, Nayagarh in an area of 0.4ha & another 0.8ha of area was cultivated with ruling variety COO6907 out of these varieties he earned a net profit of Rs. 1,00000. In rabi season he is cultivating greengram & blackgram with improved varieties & with scientific production technology as suggested by KVK, Scientists from the 2.4ha pulse area the green gram & Blackgram yielded 5qtl & 7qtl per ha respectively with a net profit of Rs. 31, 600/-. The rest 0.2ha area was covered with Brinjal & the yield obtained was 46qtl with net profit of Rs. 8,400/- from these farming activities through out the year he is able to earn a net profit of Rs. 2,01,000/- from 3.6ha by earning this amount he able to manage his family smoothly. For this unique achievement he was awarded the best farmer from Khandapara block on the occasion of farmers day celebration.

Crop	Expenditure	Gross Income	Net Profit
Rice (Direct Sowing)	Rs. 30,000/-	Rs. 45,000/-	Rs. 15,000/-
Rice (Transplanted)	Rs. 35,000/-	Rs. 80,000/-	Rs. 45,000/-
Sugarcane	Rs. 1,20,000	Rs. 2,20,000	Rs. 1,00,000
Greengram	Rs.8,000	Rs.20,000	Rs.12,000
Blackgram	Rs.7,000	Rs.26,000	Rs.19,000
Brinjal	Rs.10,000	Rs.18,400	Rs.8,400
Total			Rs.2,01,000

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)