ANNUAL PROGRESS REPORT

April 2013 to March 2014
Of KVK, Nayagarh

Contents

Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Gray color cells in summary table need not to be filled.**
13. **Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Horse gram, Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).**
    Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
    Fruits :- Mango, Guava, Custard apple, Pear etc.
    Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2013 to March 2014

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**22**	215	
	On Going OFT	**1**	5	
	Technologies assessed (Completed OFT)	**17**	184	
	Technologies refined	**-**	-	
	On farm trials conducted	**18**	189	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	22	169	
	On Going Frontline demonstrations	04	40	
	FLDs conducted on crops	14	140	
	Area under crops (ha.)	19.1	120	
	FLD on farm implement and tools	1	10	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	2	08	
	FLD on Fisheries - Finger lings	2	06	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	1	05	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	1	10	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	65	84	1625
	Farm women	6	10	150
	Rural youth	14	28	280
	Extension personnel/ In service	8	16	200
	Vocational trainings	4	17	80
	Sponsored Training	1	5	25
	Total	98	168	2360
		No. of programmes	**Participants**	
4	**Extension Programmes**	968	3982	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	0.6qtl	10	
	Planting material produced (nos.)	44800	400	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Colour fish Fingerlings (nos.)	476	18	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	

	Vanaraja Chicks etc. (nos.)	2177	92	
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	-	-	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermi compost,. (Kg.)	**1379**	40	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	**-**	-	
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	2	2	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	108	4100	
	KVK News letter	4	2000	
	SAC Meetings conducted	1	20	
	Soil sample tested	-	-	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	112	1050	
	Convergence programmes	-	-	
	Sponsored programmes	1	25	
	KVK Progressive Farmers interaction	2	100	
	No. of Technology Week Celebrations	1	585	
	Attended HRD activities organized by ZPD	-	-	
	Attended HRD activities organized by DES	7	10	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	1	1	
9	Current status of Revolving Funds (Amt. in Rs.)		1,92,117	
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	8	133	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	2	2	-
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	-	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	-	-	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	308	308	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	-	
16		**Filled**	**Vacant**	
	Staff Position	14	2	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)		8	
18	Publication received from ICAR /other organization (nos.)		60	
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	1	ZPD, SAU	

GENERAL INFORMATION

1.1. Staff Position (as on 31.03.2014)

Summary of Staff position in KVKs on March, 2014

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Nayagarh	16	1	1	6	5	3	2	6	6	16	14

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
Nayagarh	Programme Coordinator	Mrs. Shelly Dash	Programme Coordinator	M.A	Home Sc.	37400-67000	49830	17.07.09	Temporary	Other
Nayagarh	Subject Matter Specialist1	Miss Swagatika Sahu	SMS (Fisheries)	M.F.Sc	Fisheries	15600-39100	17610	9.11.12	Temporary	Other
Nayagarh	Subject Matter Specialist2	Mr. Arjuna Mohan Prusti	SMS (Plant Breeding)	M. Sc (Ag)	Plant Breeding	15600-39100	19810	01.09.08	Temporary	Other
Nayagarh	Subject Matter Specialist3	Mr. Trinath Khandaitaray	SMS (Plant Protection)	M. Sc (Ag)	Entomology	15600-39100	20590	18.07.09	Temporary	Other
Nayagarh	Subject Matter Specialist4	Mr. Tribijayi Badjena	SMS (Agril. Extension)	M.Sc (Ag)	Agril. Extension	15600-39100	17610	07.04.10	Temporary	Other
Nayagarh	Subject Matter Specialist5	Mr.Amitabh Panda	SMS, Horticulture	M.Sc (Ag.)	Horticulture	15600-39100	21390	04.04.11	Temporary	Other
Nayagarh	Subject Matter Specialist6	Vacant	-	-	-	-	-	-	-	-
Nayagarh	Programme Assistant	Mr. Bikram Keshari Parimanik	Pro. Asst. (Forestry)	B.Sc	Forestry	9300-34800	12430	16.10.06	Temporary	Other
Nayagarh	Farm Manager	Vacant	Vacant	-	-	-	-	-	-	-
Nayagarh	Computer Programmer	Mrs. Rosalin Praharaj	Pro. Asst. (Computer)	B.Sc (PGDCA,MCA)	Computer	9300-34800	12930	10.03.06	Temporary	Other
Nayagarh	Accountant / superintendent	Mr. R.M. Mishra	S.O-	M.A (B.Ed)-	-	9300-34800	13450	14.02.14	Temporary	Other
Nayagarh	Stenographer	Miss S. Mallick	Jr. Steno Cum Computer Operator	B.A	-	5200-20200	5200	12.02.14	Temporary	SC
Nayagarh	Driver	Mr. Rabi Narayan Mohapatra	Driver/Mechanic	Intermediate	-	5200-20200	6110	22.07.08	Temporary	Other

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
Nayagarh	Driver	Mr. J. Pradhan	Driver/Mechanic	Matric	-	5200-20200	6600	26.6.13	Temporary	Other
Nayagarh	Supporting staff	Mr. Prasanna Martha	Peon/Watchman	ME	-	4440-7440	5580	19.12.07	Temporary	Other
Nayagarh	Supporting staff	Mr. Gunanidhi Bauta	Peon/Watchman	ME	-	4440-7440	5580	19.12.07	Temporary	Other

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

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Nayagarh	East and South Eastern Costal Plain Zone (ESCPZ)	8	180	9,62,000	79.12	1,72,245	1,44,083	0.94 ha

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	180
8.	No. of revenue villages	1531
9.	Population in the district 2011 census	9,62,000
	Male	5,02,000
	Female	4,60,000
10.	ST population	5.88%, 50,836
11.	SC population	14.04%, 1,21,409
12.	Literacy	79.12%
	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	247/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	43,577 ha.
	Rabi irrigated area	14,483 ha.
20.	Classification of land holding	
	Less than 1 ha.	1,13,730 no.
	Between1 to 2 ha.	18,443 no.
	Above 2 ha.	11,910 ha.

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Nayagarh	**Mardarajpur**	**2010**	**Dasapalla**	**50 km**	**950**	**850**
Nayagarh	**Giridipalli**	**2011**	**Khandapada**	**35km**	**625**	**575**
Nayagarh	**Bajrakote**	**2011**	**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 eco-friendly pesticides and bio-control agents and IPM practices for borers in sugarcane, rice and brinjal.
KVK Nayagarh	Revolutionizing fresh water fish farming by including freshwater prawn (Scampi) in composite pisciculture system.
KVK Nayagarh	Empowerment of rural youth and SHGs through remunerative agro based enterprises like value addition of fruits and vegetables,

	mushroom production, bee keeping, floriculture, poultry farming and nursery raising.
KVK Nayagarh	Rejuvenating mango and cashew orchards and developing Alternative Land Use system 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.

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Nayagarh	Rice : Low grain yield - poor nutrition- Heavy weed infestation-High grain loss – BPH, stem borer, sheath blight/rot, blast & BLB	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Anlamada (Khandapara) Darpanarayanpur (Ranpur)
Nayagarh	MOONG : Low productivity – Little Nutrition- High storage loss – Pulse beetle, root rot & YMV incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Darpanarayanpur (Ranpur)
Nayagarh	SUGARCANE : Increase in production cost – Closer spacing-High Seed requirement – Manual weeding-Low MC production – Poor N management- Incident of ESB, IB & SB.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Mardarajpur (Nayagarh) Anlamada (Khandapara)
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.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Maichheli(Nuagaon)
Nayagarh	COLOCASIA : Increase in production cost – Manual weeding-Growth retardation Blight & Corm Rot	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Biridi (Khandapara) Ranipatna(Khandapara)
Nayagarh	TUBER CROPS : Deep rooted longer duration Yam - poor acceptance- less yield potential Sweet Potato – Poor acceptance, Slow multiplication rate, weevil incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Shikharpur (Khandapara)
Nayagarh	GROUNDNUT : Increased production cost – Manual weeding-Poor plant stand – Early stage wilting	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Melambo,(Nayagarh) Ratanpur,(Khandapara)
Nayagarh	SUNFLOWER : Low yield – Increased Chaffiness-pest & disease incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Anlamada (Khandapara) Darpanarayanpur (Ranpur)
Nayagarh	COCONUT : Fruit drop- Eriophyid mite attack-Low yield in	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Bajrakote (Ranpur)

	local types		
Nayagarh	MANGO: Fruit drop- Mango hopper & Bark eating caterpillar	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Lingiribari(Nuagaon) Shikharpur(Khandapara)
Nayagarh	BRINJAL : Fruit and Shoot borer Incidence- Wilting	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Jadupur (Nayagarh)
Nayagarh	COLE CROPS: Tobacco caterpillar incidence- Low yield in local types	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Begunia Patna(Nayagarh)) Raj Patna(Nayagarh)
Nayagarh	TOMATO: Low yielding local types, severe wilt & fruit borer incidence.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Begunia Patna(Nayagarh)
Nayagarh	FOREST TREES : Untapped forest resources , Deforestation due to heavy demand on fuel wood, timber and fodder demand	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Balugaon(Nayagarh)) Suamadhipa(Bhapur)
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	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Iaxmi Prasad(Khandapara) Khedapara(Nayagarh) Damuni (Nuagaon) Darpanarayanpur (Ranpur)
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.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting, SHG Group meet, Interaction	Patulisahi(Nuagaon) Mahipur(Nuagaon)

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	
Nayagarh	2013	Kharif	Heavy weed infestation in early stage reduces crop yield	Assessment of Integrated Weed mgt. in medium land rice	Assessment	Weed management	Rice	Rainfed	13	37.11	43.88	16064	25833	Spraying of Azimsulfuron @ 35g a.i. / ha at 18-21 DAS effectively controls weeds in direct sown rice.
Nayagarh	2013	Kharif	Less income from traditional maize cultivation	Assessment of sweet corn var Madhuri	Assessment	Varietal diversification	Maize	Rainfed	13	57350 cobs/ ha	55140 cobs / ha	108965	124065	To obtain more income from maize cultivation, sweet corn var Madhuri may be cultivated with seed rate @ 15kg/ha , application of FYM @5t/ha + NPK @ 80:40:40kg/ha + zinc sulphate @ 25kg/ha
Nayagarh	2013	Kharif	Imbalance application of nutrients (without organics) gradually decreasing soil health & fertility	Assessment of soil test based INM in Maize	Assessment	Soil fertility management	Maize	Rainfed	13	44.5	55.2	24004	34452	Application of 25% RDF (inter cropping with cow pea var, Utkal Manik (bush

														type) FYM @ 2.5t/ha + bio-fertilizer) + 75% RDF as inorganic fertilizer + ZnSO4 @ 25kg/ha
Nayagarh	2013	Kharif	Yield stagnation in all the ruling varieties	Assessment of Rice hybrid CR Dhan 701	Assessment	Varietal evaluation	Rice	Irrigated	13	Damaged due to flash flood in flowering stage	-	-	-	-
Nayagarh	2013	Kharif	Yield reduction due to severe BPH infestation	Assessment of Buprofezin for the control of BPH in rice	Assessment	IPM	Rice	Rainfed Medium	13	42.3	50.4	22338	31091	Making alleys of 0.3m in every 2m of rice, alternate wetting and drying, spraying of Buprofezin @0.5kg a.i./ ha for 2-3 times at 10days interval
Nayagarh	2013	Kharif	Severe collar rot at early stages of crop growth	Assessment of IDM for collar rot in Groundnut	Assessment	IDM	Groundnut	Rainfed upland	13	12.1	14.7	16347	24812	Seed treatment with vitavax power @1.5g/kg seed, rouging and destroying the infected plants by burning outside the field, soil drenching with vitavax power@ 2g/lt of water before irrigation
Nayagarh	2013	Kharif	Assessment	Assessment of low cost poly-	ICM	Solanaceous vegetables	-	Solanaceous	13	2040 nos/	4650 nos/	145	1175	Construction of low cost poly

				tunnel for seedling raising				vegetables		3bed	3 bed			tunnel (10feet, 3feet, 2feet) length: width: height supported by bamboo frames increases germination with reduced mortality Size 100 micron
Nayagarh	2013	Kharif	Improper nutrient management	Assessment of INM in arrowroot	Assessment	INM	Arrow root	Rainfed Upland	13	81.4	109.6	35180	60220	NPK 50:25:75 kg/ha, FYM 10t/ha, seed rate 3t/ha, seed size 4-7cm long rhizome increases the yield/plant
Nayagarh	2013	Kharif	High cost of production and improper utilization of waste	Assessment of sugarcane bagasse as substrate in pisciculture	Assessment	Production and management	IMC	Pond based	5	21.8	26.26	91600	129370	Sugarcane bagasse can use as base for periphyton development. Replacement of bagasse in 2 month is necessary to maintain the water quality
Nayagarh	2013	Kharif	low production in IMC culture due to slow growth rate of rohu	Assessment of growth performance of Jayanti Rohu in fish pond	Assessment	Production and management	Rohu	pond based	5	27.40	31.8	117580	164460	Replace norail rohu with Jayanti rohu with stocking ratio 3:4:3, with proper feeding and water quality management
Nayagarh	2013	Kharif	Poor water quality inhibits growth of fish	Assessment of probiotic in fish production.	Assessment	Production and management	IMC	Pond based	5	Continuing	-	-	-	Apply water probiotic @ 1/2kg/acre in monthly based on water quality for

														improvement.
Nayagarh	2013-14	Rabi	Heavy application of granular insecticides leads to residual toxicity in cabbage	Assessment of IPM against Tobbaco caterpillar (*Spodoptera*) in cabbage	Assessment	IPM	Cabbage	Irrigated medium	13	232.8	275.6	57612	77625	Collection and destruction of 3rd instar larvae, alternate spraying of Spark @ 1ltr/ha with multineem @ 2.5ltr/ha for 2 times at 10 days interval
Nayagarh	2013-14	Rabi	Low yield due to severe thrips infestations in chilli	Assessment of Carbosulfan for the control of thrips in chilli	Assessment	IPM	Chilli	Irrigated medium	13	92.3	109.5	57486	75466	Soil application of NOC @ 2.5qt/ha, clipping of infested twigs, foliar spray of carbosulfan @ 1 ltr/ha for 3-4 times at 7 days interval
Nayagarh	2013	Rabi	Severe weed infestation at early stages	Assessment of plastic mulching in tomato	Assessment	ICM	Tomato	Irrigated medium land	13	235.6	309.6	33440	58120	Plastic mulch (bi-colour) of 50 micron size, cut 1.5ft width & length as per convenience, spread on the base of the plant 10 days after planting.
Nayagarh	2013	Rabi	Less no. of fruits/plant(6),low yield/plant(0.96kg),	Assessment of HYV var. of Brinjal Arka neelanchal kranti	Assessment	Varietal evaluation	Brinjal	Irrigated medium land	13	25.6	30.8	37860	62550	Var. Kranti seed rate 500g/ha, seed treatment with vitavax power @ 1.5-2gm/kg of seed, spacing 75:60cm, NPK 125:50:75kg/ha gives green, oblong and solitary bearing avg. yield 30-

														35t/ha
Nayagarh	2013-14	Rabi	Low milk yield due to imbalance nutrition	Assessment of prebiotic feed supplement on milk yield of cross bred cow	Assessment	Nutrition management	Cross bred cow	Open yard	8	6.7	7.79	64.3	102.6	Prebiotic (Biobloom) @15g/day will enhance the digestibility of feed, increase the milk yield and milk quality

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Nayagarh	Assessment of IWM in medium land rice	Weed population/ m^2(Before) Weed population/ m^2(After)	99 10	104 12	32550	31650	-	48614	57483	-	16064	25833	-	1.49	1.82	-
Nayagarh	Assessment of sweet corn var Madhuri	Avg no of seed rows/cob Avg no of seed /cob Average cob length (cm)	14 32 21.5	14 30 20.5	36890	35750	-	108965	124065	-	72075	88315	-	2.95	3.47	-
Nayagarh	Assessment of soil test based INM in Maize	Avg no of seed rows/cob Avg no of seed /row Average cob length (cm)	14 30 20	16 36 22.5	34291	37860	-	58295	72312	-	24004	34452	-	1.70	1..91	-

Nayagarh	Assessment of rice hybrid CR Dhan 701	-	DAMAGED	-	-	-	-	-	-	-	-	-	-	-	-	-
Nayagarh	Assessment of Buprofezin for the control of BPH in rice	No of BPH population/hill	15.8	4.6	33075	34933	-	55413	66024	-	22338	31091	-	1.67	1.89	-
Nayagarh	Assessment of IDM for collar rot in Groundnut	Collar rot incidence	21.87	8.9	32053	33988	-	48400	58800	-	16347	24812	-	1.51	1.73	-
Nayagarh	Assessment of low cost poly-tunnel for seedling raising	Germination (%)	35.8	81.5	875	1150	-	1020	2325	-	145	1175	-	1.16	2.02	-
Nayagarh	Assessment of INM in arrowroot	Avg wt of rizomes per culn (kg)	0.62	0.85	62500	71300	-	97680	131520	-	35180	60220	-	1.56	1.84	-
Nayagarh	Assessment of sugarcane bagasse as substrate in pisciculture	Avg wt of fish (g)	484g	662g	115500	120000	-	207100	249470	-	91600	129370	-	1.80	2.07	-
Nayagarh	Assessment of growth performance of Jayanti Rohu in fish pond	Avg body wt of rohu (g)	455	710	134500	135700	-	252080	300160	-	117580	164460	-	1.87	2.21	-
Nayagarh	Assessment of probiotic in fish production.	Continuing	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nayagarh	Assessment of IPM against Tobbaco caterpillar (*Spodoptera*) in cauliflower	Spodoptera damage (%)	20.4	9.1	58788	60175	-	116400	137800	-	57612	77625	-	1.98	2.29	-

Nayagarh	Assessment of Carbosulfan for the control of thrips in chilli	Leaf curl (%)	17.1	3.9	80964	88784	-	138450	164250	-	57486	75466	-	1.71	1.85	-
Nayagarh	Assessment of plastic mulching in tomato	Weed incidence (no/m^2)	27	3	60800	81200	-	94240	139320	-	33440	58120	-	1.55	1.71	-
Nayagarh	Assessment of HYV var. of Brinjal Arka neelanchal kranti	Avg fruit wt (g), No of fruits/plant	140,11	85,23	90140	91500	-	128000	154000	-	37860	62500	-	1.42	1.68	-
Nayagarh	Assessment of prebiotic feed supplement on milk yield of cross bred cow	Milk yield (lit/day)	6.7	7.79	56.3	61.0	-	120.6	163.6	-	64.3	102.6	-	2.13	2.68	-

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Nayagarh	2013	Kharif	Quality inferiority of mahul flowers due to improper & insufficient drying	Assessment of solar dehydrator for drying of mahua flowers	Assessment	Value addition	Assessment of solar dehydrator for drying of mahua flowers	Uniform drying of mahua flowers by solar Dehydrator due to 200 micron UV sterilized polythene sheets	Upland rain-fed	5	Low cost solar drier using bamboo structure & black U-V sterilized polythene sheets of 200 micron size.
Nayagarh	2013-14	Rabi	Broken seed & low quality due	Assessment of Sunflower	Assessment	Drudgery reduction	Sunflower thresher	Drudgery reduced tools , cost effective with increased		5	Use of manually operated sunflower thresher reduced the drudgery & gives unbroken and

			to manual threshing of sunflower seeds.	thresher				threshing efficiency.			superior quality seeds

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																			
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Nayagarh	Assessment of solar dehydrator for drying of mahua flowers	-	-	-	-	-	-	7 days required for drying	3 days		57.14	-	-	-	-	-	-	-	-	181.72/ tree/season	233.60 /tree/season	-	-
Nayagarh	Assessment of Sunflower thresher	-	-	17.2	13.5	72	112	13.2	20.5	-	55.13	-	-	-	900	-	-	-	-	-	-	-	-

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
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 Good weedcide for Cyperus control in rice and pulse crops 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.

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
KVK, Nayagarh	Rice	Varietal evaluation	Performance of rice var. Upahar	Training, leaf lets, exposure visit, video show, news paper	21	240	209
KVK, Nayagarh	Maize	Integrated nutrient mgt.	Performance of INM in Maize	Training, leaf lets, exposure visit, news paper	22	180	220
KVK, Nayagarh	Sugarcane	ICM	Performance of pit method of planting in sugarcane	Training, leaf lets, exposure visit, news paper	13	119	161
KVK, Nayagarh	Sugarcane	ICM	Performance of Sustainable Sugarcane Initiative method of sugarcane cultivation	Training, Farm Visit, Exposure visit, Film show	34	85	30
KVK, Nayagarh	Sugarcane	Varietals evaluation	.Performance of sugarcane var. Co OR 04-152 (Raghunatha)	Training, Farm Visit, Exposure visit, Film show	19	98	24
KVK, Nayagarh	Sugarcane	ICM	Performance of pit method of planting in sugarcane	Training, Farm Visit, Exposure visit, Film show	13	160	17
KVK, Nayagarh	Rice	IDM	IDM for sheath blight in kharif rice	Training leaf lets, exposure visit,	35	194	68
KVK, Nayagarh	Sugarcane	Bio-control of pests & diseases	Biological control for sugarcane borers	Training, Farm Visit, Exposure visit, Film show	16	49	7
KVK, Nayagarh	Bee Keeping	SSIE	Scientific bee keeping	Training, leaf lets, exposure visit, video show, news paper	12	170	118
KVK, Nayagarh	Tomato	Bio-control of pests & diseases	Microbial control for fruit borer in tomato	Training, leaf lets, exposure visit, video show, news paper	32	262	198
KVK, Nayagarh	Poultry	Income generation	Performance of back yard poultry	Training, leaf lets, exposure visit, video show, news paper	15	35	121 Units
KVK, Nayagarh	Mushroom	Mushroom production	Off season rice straw mushroom	Training, leaf lets, exposure visit, video show, news paper	17	149	99

KVK, Nayagarh	Mango	ICM	Plastic mulching in new mango orchard	Training, leaf lets, exposure visit, video show, Kisan mela	12	73	38
KVK, Nayagarh	Yam	Varietal evaluation	Performance of HYV of yam Odisha Elite	Trainings, exposure visit, field day, video show	19	55	37
KVK, Nayagarh	Pumpkin	Varietal evaluation	Performance of HYV of pumpkin, Baidyabati	Trainings, exposure visit, video show, field day	8	39	18 Unit
KVK, Nayagarh	Chilli	Varietal evaluation	Performance of HYV chilli, utkal abha	Trainings, exposure visit, kisan mela, video show	22	48	33
KVK, Nayagarh	Cat fish	Production & mgt.	*Pangasius suchi* culture	Trainings, exposure visit, kisan mela, video show	35	97	67 units
KVK, Nayagarh	IMC	Production & mgt.	Yearling culture practice	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	26	85	-
KVK, Nayagarh	IMC	Disease mgt.	Application of CIFAX	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	5	63	3
KVK, Nayagarh	Poultry	IFS	Dual purpose poultry for farming system	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	14	151	-
KVK, Nayagarh	Black pepper	ICM	Introduction of black pepper as an intercrop in mango	Training, Farm Visit, Exposure visit, Film show	29	183	13
KVK, Nayagarh	Teak	ICM	Introduction of stump planting of teak in Agroforestry systems	Training, Group discussion, News paper coverage	7	21	10
KVK, Nayagarh	Teak,Mangium	ICM	Introduction of MPTs in farm lands	Training, Farm Visit, Exposure visit, Booklet	17	35	35
KVK, Nayagarh	Cassava	Value addition	Use of chipsmaker for Tapioca Chips preparation	Training, Group discussion, News paper coverage	8	65	6

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Nayagarh	2013	Kharif	Varietal substitution	Demonstration on rice var. Mrinalini	rice	Mrinalini	2ha	41.20	48.25	17.11	-	-	10	-	10
Nayagarh	2013	Kharif	Soil health & fertility mgt.	Demonstration on INM in rice	rice	MTU 1001	2ha	40.25	49.15	22.11	-		10	-	10
Nayagarh	2013	Kharif	IDM	Demonstration on IDM on sheath blight in rice	rice	Pratiksha	2 ha	41.3	49.2	19.1	1	1	5	3	10
Nayagarh	2013	Kharif	IPM	Demonstration on IPM on borer mgt. in maize	Maize	Decalbo Double	2ha	42.5	51.1	20.22	-	2	4	4	10
Nayagarh	2013	Kharif	Varietal evaluation	Demonstration on Turmeric var. LAKADONG	Turmeric	LAKADONG	0.2 ha	87.8	109.7	24.9	1	-	7	2	10
Nayagarh	2013	Kharif	Varietal evaluation	Demonstration on African Marigold var. CERACOLA	Marigold	CERACOLA	0.4 ha	52.72	65.8	24.8	-	-	9	1	10
Nayagarh	2013	Kharif	FIS	Demonstration on *Pangasius* culture	Cat fish	*Pangasianodon hypopthalmus*	0.5ha	22.6	42.13	86.4	-	-	3	-	3
Nayagarh	2013	Kharif	FIS	Demonstration of breeding live bearer for income generation	Ornamental fish	Molly, guppy	3 nos	-	748	-	-	-	3	-	3
Nayagarh	2013	Kharif	LPM	Demonstration on dual purpose poultry in fish pond	Poultry	Vanaraja	3nos	23.1	29.6+627	28.14	-	-	3	-	3
Nayagarh	2013	Kharif	AGF	Introduction of black pepper as an intercrop in mango	Black pepper	Panniyur 1	1 ha				2	1	5	3	10

Nayagarh	2013-14	Rabi	Integrated crop management	Demonstration on Sustainable Sugarcane Initiative (Bud chip) method of sugarcane cultivation	Sugarcane	Raghunath (CO-OR-04-152)	2ha				1	-	5	4	10
Nayagarh	2013-14	Rabi	IWM	Demonstration on metribuzin for weed mgt. in sugarcane	Sugarcane	CO -6907	2ha				3	-	4	3	10
Nayagarh	2013-14	Rabi	IDM	Demonstration on IDM on seedling blight in greengram	Greengram	TARM-1	1ha	4.73	5.63	19.52	3	1	2	4	10
Nayagarh	2013-14	Rabi	IDM	Demonstration on IDM for wilt in tomato	Tomato	Deepika	1ha	261.5	308.8	18.08	3	-	5	2	10
Nayagarh	2013-142013	Rabi	INM	Demonstration on INM in Pointed Gourd	Pointed gourd	Nayagarh local	0.8ha	Crop is in vegetative stage			1	1	6	2	10
Nayagarh	2013-14	Rabi	Integrate crop mgt.	Demonstration on micronutrients for fruit drop control in mango	Mango	Mango	2 ha	Crop is yet to hervest			2	-	5	3	10
Nayagarh	2013-14	Rabi	LPM	Demonstration on Azolla as poultry feed	Vanaraja	*Azolla pinnata*	5 nos	2.2	2.86	30.0	-	-	5	-	5
Nayagarh	2013-14	Rabi	AGF	Introduction of MPTs in farm lands	Teak, Mangium	Teak, Mangium	1 ha				-	-	7	3	10

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Nayagarh	Demonstration on rice var. Mrinalini	rice	Plant height (cm) Panicle length (cm) Grains/Panicle (no)	130 22 170	135 25 198	34820	38020	53972	63208	19152	25188	1.55	1.66
Nayagarh	Demonstration on INM in rice	rice	Plant height (cm) Panicle length (cm) Grains/Panicle (no)	128 24 172	137 26 194	34230	36950	52728	64387	18498	27437	1.54	1.74
Nayagarh	Demonstration on IDM on sheath blight in rice	rice	Sheath blight incidence (%)	25.3	8.8	32789	34652	54103	64452	21314	29800	1.65	1.86
Nayagarh	Demonstration on IPM on borer mgt. in maize	Maize	Borer infestation (%)	15.3	5.8	32558	34684	55675	66941	23117	32257	1.71	1.93
Nayagarh	Demonstration on Turmeric var. LAKADONG	Turmeric	Rhizome yield (kg/m^2)	1.05	1.3	81750	99450	118530	181000	36780	81550	1.45	1.82
Nayagarh	Demonstration on African Marigold var. CERACOLA	Marigold	Keeping quality (days) No of flower/plant (no) Average loose flower (Kg/m2)	2 29 0.74	4 37 0.92	90500	99500	139700	194110	49200	94610	1.55	1.95
Nayagarh	Demonstration on *Pangasius* cultur	Cat fish	Avg body wy (kg)	0.580	1.059	121250	148100	214700	320075	93450	171975	1.77	2.16
Nayagarh	Demonstration of breeding live bearer for income generation	Ornamental fish	No/month	-	748	-	540	-	2244	-	1704	-	3.15

Nayagarh	Demonstration on dual purpose poultry in fish pond	Poultry	-	-	-	105000	140500	196350	335370	91350	194870	1.87	2.38
Nayagarh	Introduction of black pepper as an intercrop in mango	Black pepper	Continuing										
Nayagarh	Demonstration on Sustainable Sugarcane Initiative (Bud chip) method of sugarcane cultivation	Sugarcane	Cane length (cm) Cane diameter (cm)	308 2.90	340 3.45								
Nayagarh	Demonstration on metribuzin for weed mgt. in sugarcane	Sugarcane	Cane length (cm) Cane diameter (cm)	320 2.86	345 3.35								
Nayagarh	Demonstration on IDM on seedling blight in greengram	Greengram	Seedling blight (%)	17.5	8.3	13165	14233	21195	25335	8030	11102	1.61	1.78
Nayagarh	Demonstration on IDM for wilt in tomato	Tomato	Wilt (%)	23.1	8.8	67051	68623	130750	154400	63699	85777	1.95	2.25
Nayagarh	Demonstration on INM in Pointed Gourd	Pointed gourd	Continuing										
Nayagarh	Demonstration on micronutrients for fruit drop control in mango	Mango	Continuing										
Nayagarh	Demonstration on Azolla as poultry feed	Vanaraja	Avg body wt	2.2	2.86	88	102	242	315	154	213	2.75	3.08
Nayagarh	Introduction of MPTs in farm lands	Teak, Mangium	Continuing										

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Nayagarh	2013-14	Rabi	Drudgery reduction		Demonstration on Twin wheel hoe weeder in vegetables	Brinjal	Twin wheel hoe weeder	Irrigated medium	10 nos	10
Nayagarh	2013-14	Rabi	Income generation	Insufficient yield of rice straw mushroom in winter season	Demonstration on Off season rice straw mushroom in poly-house	*V. Volvacea*	Mushroom	-	5 units	5

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																			
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Nayagarh	Demonstration on Twin wheel hoe weeder in vegetables	46.6	56.96	8.58	7.81	108.79	103.95	81 labourers/ha	48labourers/ha	-	40.74	-	-	Average		-	-	-	-	-	-	-	-
Nayagarh	Demonstration on Off season rice straw mushroom in poly-house	-	-	-	-	-	-	-	-	-	-	0.3kh/bed	1.2kg/bed	10900	16900	13500	54000	-	-	2600	37100	37100	3.2

Details of FLDs implemented (O&P) and NFSM

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Nayagarh	2013-14	Rabi	ICM	Demonstration on Green gram var. SML 668	Green gram	SML 668	5ha	3.26	4.54	39.26	4	-	13	2	19

Nayagarh	2013-14	Rabi	ICM	Demonstration on Black gram var. TU-94-2	Black gram	TU 94-2	5ha	4.26	5.67	33.09	2	-	11	2	15
Nayagarh	2013-14	Rabi	ICM	Demonstration on Sunflower var. Jwalamukhi	Sunflower	JWALAMUKHI	5 ha	11.76	16.51	40.39	5	-	9	3	17
Nayagarh	2013-14	Rabi	ICM	Demonstration on Green gram var. SML 668 (NFSM)	Green gram	SML 668	4.8ha	4.05	5.71	40.98	5		6	1	12
Nayagarh	2013-14	Rabi	ICM	Demonstration on Green gram var. SML 668 (Special Programme)	Green gram	SML 668	20ha	3..91	5.22	33.51	11	2	25	12	50

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Nayagarh	rice	Field days	2	100	-
		Farmers Training	10	250	
		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Maize	Field days	2	100	-
		Farmers Training	2	50	-
		Media coverage	1	--	-
		Training for extension functionaries			
Nayagarh	Sugarcane	Field days	1	50	-
		Farmers Training	3	75	-
		Media coverage	2	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Tomato	Field days	1	50	-
		Farmers Training	1	25	-

		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Mango	Field days	01	50	-
		Farmers Training	01	25	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Yam	Field days	01	50	-
		Farmers Training	01	25	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Pumpkin	Field days	01	50	-
		Farmers Training	01	25	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Nayagarh	IMC	Field days	1	50	-
		Farmers Training	4	100	-
		Media coverage	4	-	-
		Training for extension functionaries	1	20	-
Nayagarh	IMC	Field days	1	50	-
		Farmers Training	1	25	-
		Media coverage	1	-	-

		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	Green gram	Field days	-	-	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	1	25	-
Nayagarh	Rice straw mushroom	Field days	1	50	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Twin wheel hoe	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-

Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	**Nayagarh**	**Rice**	**CR-Dhan- 701**	**Institute**	**13**	**0.5 ha**
2	**Nayagarh**	**Maize**	**Decalbo Double**	**Institute**	**10**	**2ha**

Name of KVK	Feedback			
	Technology appropriations	**Methodology use**	**Benefits of OFT/FLD**	**Future Adoption**
Nayagarh	Rice variety Mrinalini is suitable under semi deep low land situation. Cultivation of rice var Mrinalini produced more yield , higher net return than the control plot var. Pooja	FLD, field day and group discussion	Increased yield and productivity and net return	Horizontal spread
	Integrated Nutrient Management in rice gave more yield and improved soil condition	FLD, field day and group discussion	Increased yield and productivity and net return	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	Increased yield and productivity and net return	Horizontal spread
	HYV of turmeric, Lakdong, seed rate for 20qtl/ha seed size 20gm FYM 20t/ha along with RDF produced 101.2q/ha of rhizomes.	FLD and field day	Increased yield, productivity net return & less cost of cultivation	Horizontal spread
	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 RD	FLD and field day	Increased yield, productivity net return & less cost of cultivation	Horizontal spread
	Sugarcane var Raghunath produced thicker & longer & higher weight canes with more sucrose content then the ruling var. CO6907			

Nayagarh	Integrated management for cob borer in maize is an eco-friendly pp measures for pest mgt.	FLD and field day	Reduced borer infestation, increased yield and net return	Horizontal spread
	Culture of live-bearer is easy technology, economical and income generation to unemployment rural youth.	FLD and field day	more offspring produced and increased net return	Horizontal spread
	Azolla as poultry feed is highly nutritious, low cost technology and saving feed cost.	FLD, field day and group discussion	Increased growth rate, high profitable enterprise	Horizontal spread
	Integrated farming with poultry based farming system is highly profitable, utilization of waste and saving input cost	FLD and field day	Increased yield, productivity net return & less cost of cultivation	Horizontal spread
	Rice straw mushroom cultivation is a remunerative enterprise for self employment	FLD and field day	Increase mushroom yield/bed, cost effective, farmer appreciation	Horizontal spread
	Integrated management for wilt control in tomato	FLD and group discussion	Reduced wilt incidence, increase yield and B:C ratio	Horizontal spread

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback
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 Low cost feed for pangasius cultivation 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.

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Nayagarh	F/FW	Group discussion	10.04.2013 Singhapada	25
Nayagarh	F/FW	Group discussion	14.05.2013 Gadiasahi, Nua Gadiasahi	25
Nayagarh	F/FW	Group discussion	22.05.2013 .Fategarh	25
Nayagarh	F/FW	Group discussion	18.06.2013 Aonlamada	25
Nayagarh	F/FW	Group discussion, field visit, survey	08.07.2013 Darpanarayanpur	20
Nayagarh	F/FW	Group discussion, field visit, survey	12.08.13 Anlamada, Gopalipada	25
Nayagarh	RY	Group discussion	17.09.13 KVK campus	20
Nayagarh	RY	Group discussion, field visit	26.09.13 Janisahi, Dalaksahi, Digiri	25
Nayagarh	F/FW	Group discussion, field visit	14.10.13 Nuasgaon, lingiribari,Lunisara	22
Nayagarh	F/FW	Group discussion	11.11.13 Giridipalli, Bhanrapalli	25
Nayagarh	F/FW	Group discussion, field visit, local resources available	20.11.13 Fategarh,Singapada	25
Nayagarh	RY	Group discussion	05.12.2013 KVK Campus	25
Nayagarh	F/FW	Group discussion, field visit	15.12.13 Mardarajpur,anlamada,ladukesharpur	18
Nayagarh	F/FW	Group discussion, field visit	06.01.2014 Anlamada, Jogiapalli, Gunthuni	21
Nayagarh	F/FW	Group discussion, field visit	05.02.2014 Balugaon,	25
Nayagarh	RY	Group discussion with SHG members	14.03.2014 KVK campus	15
Nayagarh	IS	Group discussion NGO workers, Krushak club members & krusaksathi	06.03.2014 KVK campus	15

Abbreviation Used

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

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	ONC	CRP	Hybrid rice cultivation	1	2	-	-	1	-	-	-	19	5
Nayagarh	FW	ONC	CRP	SRI method rice cultivation	1	2	-	-	2	1	-	-	14	8
Nayagarh	FW	ONC	CRP	IWM in Rice	1	2	2	-	4	-	-	-	19	-
Nayagarh	FW	ONC	CRP	Planting techniques in sugarcane	1	2	-	-	2	-	-	-	23	-
Nayagarh	**RY**	ONC	CRP	Quality seed production technology in rice	1	2	-	-	-	1	-	-	8	11
Nayagarh	RY	ONC	CRP	Vermi composting	1	2	-	-	2	-	-	-	18	-
Nayagarh	IS	ONC	CRP	Nutrient management in organic farming	1	2	3	1	-	-	-	-	21	-
Nayagarh	FW	OFC	CRP	Hybrid rice cultivation	1	1	-	-	-	-	-	-	25	-
Nayagarh	FW	OFC	CRP	SRI method rice cultivation	1	1	-	-	-	-	-	-	25	-
Nayagarh	FW	OFC	CRP	IWM in Rice	1	1	-	-	3	-	-	-	18	4
Nayagarh	FW	OFC	SFM	INM in rice	1	1	-	-	1	-	-	-	21	3
Nayagarh	FW	OFC	SFM	INM in Maize	1	1	-	-	1	-			24	-
Nayagarh	FW	OFC	CRP	Techniques of rouging in rice for quality seed production	1	1	-	-	1	-	-	-	17	8
Nayagarh	FW	OFC	SFM	Use bio-inoculants pulses	1	1	-	-	-	-	-	-	23	2
Nayagarh	FW	OFC	CRP	Ratoon mgt. in sugarcane	1	2	-	-	-	-	-	-	25	-
Nayagarh	FW	OFC	PLP	IPM for fruit fly in cucurbits	1	1	5	-	-	-	-	-	20	-
Nayagarh	FW	OFC	PLP	Biological control of sugarcane borers	1	1	5	-	6	-	-	-	14	-
Nayagarh	FW	OFC	PLP	IPM for eriophytemite in coconut	1	2	3	-	4	-	-	-	19	-
Nayagarh	FW	ONC	PLP	IPM for stem borer,	2	2	12	-	12	-	-	-	26	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				BPH, Gandhi bug & cut worm in rice										
Nayagarh	FW	ONC	PLP	IDM for sheath blight, blast and BLB diseases in rice	1	2	2	-	1	-	-	-	22	-
Nayagarh	FW	ONC	PLP	Management of die-back and fruit rot diseases in chilli	1	1	-	-	6	-	-	-	11	8
Nayagarh	FW	ONC	PLP	Integrated disease mgt. in vegetable nursery	1	1	8	-	7	-	-	-	10	-
Nayagarh	FW	ONC	PLP	IPM for major insect pests in cole crops	1	2	-	-	4	1	-	-	13	7
Nayagarh	FW	ONC	PLP	IPM for major sucking pests in oilseed crops	1	2	6	-	2	-	-	-	17	-
Nayagarh	FW	ONC	PLP	Integrated disease mgt. for root rot & YMV in pulses	1	1	4	-	3	-	-	-	18	-
Nayagarh	FW	OFC	PLP	Wilt management in Solanacious Vegetables	1	1	6	-	5	-	-	-	14	-
Nayagarh	RY	ONC	PLP	IPM in Sugarcane	1	2	8	-	6	-	-	-	6	-
Nayagarh	FW	OFC	PLP	IPM for fruit & shoot borer in brinjal	1	1	12	-	3	-	-	-	10	-
Nayagarh	RY	ONC	PLP	Safe & judicious use of pesticides	1	2	7	-	4	-	-	-	9	-
Nayagarh	RY	ONC	PLP	Beekeeping	1	5	3	-	4	-	-	-	13	-
Nayagarh	IS	ONC	PLP	Modern Pest Control Method in Managing Insect Pest of Crops	1	2	5	-	4	-	-	-	14	2
Nayagarh	FW	OFC	HOF	Planting techniques in mango	1	1	4	-	1	-	-	-	20	-
Nayagarh	FW	OFC	HOS	Raised bed method of turmeric planting	1	2	-	-	-	-	11	14	-	-
Nayagarh	IS	ONC	HOF	Rejuvenation of old mango tree	1	2	12	-	1	-	-	-	12	-
Nayagarh	RY	ONC	HOV	Raising of Vegetable Nursery in low cost	1	2	7	-	3	-	-	-	10	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				polytunnel										
Nayagarh	FW	OFC	HOV	Nutrient management in arrowroot	1	2	15	-	3	-	1	-	6	-
Nayagarh	FW	OFF	HOO	Improved technology of kharif marigold planting	1	1	18	-	2	-	2	-	3	--
Nayagarh	RY	ONC	HOF	Quality planting material production in fruit crops	1	3	4	-	1	-	2	-	13	-
Nayagarh	FW	OFC	HOF	Production technology for raising Tissue Cultured Banana.	2	2	4	-	4	-	-	-	42	-
Nayagarh	FW	ONC	HOV	Mulching in tomato	1	1	3	-	7	-	-	-	15	-
Nayagarh	FW	OFC	HOV	Nutrient Management in brinjal	1	2	5	-	-	-	8	-	12	-
Nayagarh	FW	OFC	HOF	Control of fruit drop in mango	1	1	6	-	3	-	1	-	13	-
Nayagarh	FW	OFC	HOV	Nutrient management in pointed gourd	1	1	12	-	2	-	-	-	8	3
Nayagarh	FW	OFC	HOV	Use of growth regulators in vegetable crops	1	1	10	2	1	-	-	-	8	4
Nayagarh	FW	ONC	WOE	Location specific drudgery reduction technologies	1	1	-	-	-	10	-	-	-	15
Nayagarh	FW	OFC	WOE	Commercial cultivation in rice straw mushroom	2	4	-	-	-	4	-	21	-	25
Nayagarh	FW	OFC	WOE	Commercial cultivation in rice straw mushroom	1	2	-	-	-	6	-	-	-	19
Nayagarh	FW	OFC	WOE	Value addition on Arrow root	1	2	-	1	-	-	-	3	-	21
Nayagarh	FW	OFC	WOE	Oyster mushroom cultivation	1	1	-	2	-	2	-	-	3	18
Nayagarh	RY	ONC	WOE	Value Addition of Cashew Apple	1	2	-	3	-	2	-	-	-	20
Nayagarh	RY	ONC	WOE	Cultivation of off season rice straw mushroom	1	2	-	-	-	2	-	1	-	17
Nayagarh	IS	ONC	WOE	Spawn production technology	1	1	5	-	1	4	-	-	5	10
Nayagarh	FW	OFC	FIS	*Pangasius* culture	1	1	3	-	10	12	-	-	-	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	OFC	FIS	Natural food production in fish pond	1	1	6	-	1	-	-	-	18	-
Nayagarh	FW	OFC	FIS	Feed preparation and Feeding management in fish pond	1	1	10	-	4	-	-	-	11	-
Nayagarh	FW	OFC	FIS	Composite fish culture	2	2	16	-	-	-	-	-	34	-
Nayagarh	FW	OFC	FIS	Water quality management in fish pond	1	1	1	-	-	-	-	-	24	-
Nayagarh	FW	OFC	FIS	Poultry based farming system	1	1	2	-	-	-	-	-	23	-
Nayagarh	FW	OFC	FIS	Fish disease management	1	1	-	-	1	-	2	-	22	-
Nayagarh	FW	OFC	LPM	Feeding management for cross bred cow	1	1	1	-	8	4	4	4	4	-
Nayagarh	FW	OFC	LPM	Backyard poultry	1	1	2	-	11	-	5	-	7	-
Nayagarh	FW	ONC	FIS	Azolla production	1	2	6	-	-	-	4	-	15	-
Nayagarh	RY	ONC	FIS	Yearlings production practices	1	2	2	-	2	-	-	-	16	-
Nayagarh	RY	ONC	FIS	Ornamental fish culture for livelihood	1	2	3	-	2	-	1	-	14	-
	IS	ONC	FIS	Freshwater prawn culture	1	2	3	-	1	-	-	-	21	-
Nayagarh	FW	ONC	AGF	Medicinal plants identified for the district, their uses and cultivation	2	2	20	10	-	-	-	-	10	10
Nayagarh	FW	OFF	AGF	Significance of Cassava cultivation, its uses and planting in Agroforestry systems	1	1	10	-	5	-	-	-	10	-
Nayagarh	FW	OFF	AGF	Importance of Rainwater Harvesting and its various approaches	1	1	3	2	3	2	-	-	7	8
Nayagarh	FW	OFF	AGF	Benefits of growing black pepper as an intercrop in Mango orchards	1	1	5	-	-	-	-	-	20	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	RY	ONC	AGF	Leaf plate making using sal and siali leaves	1	2	-	-	5	5	5	5	3	2
Nayagarh	FW	OFF	AGF	Collection and processing of Non Timber Forest Produce viz.,mahua seeds and fruits, myrobalans, teak seeds, char seeds etc	1	1	-	-	5	5	5	10	-	-
Nayagarh	IS	ONC	AGF	Agro forestry models(ON)	1	2	2	-	2	-	1	-	20	-
Nayagarh	FW	OFC	AGF	Value addition of cassava	1	2	-	-	5	2	-	-	10	8
Nayagarh	FW	OFC	AGF	Bamboo as an component in IFS and its propagation methods	1	1	3	-	3	-	1	-	18	-
Nayagarh	FW	ONC	CBD	Formation of SHG & their role	1	1	-	-	-	10	-	-	-	15
Nayagarh	FW	OFC	CBD	Weed mgt. in rice	1	2	13	-	-	-	3	-	9	-
Nayagarh	FW	OFC	CBD	Improved Agricultural Implements for tillage operation in rice crop	1	2	6	-	-	-	-	-	19	-
Nayagarh	FW	ONC	CBD	Maintenance & use of sprayer	1	2	-	-	-	12	-	-	-	13
Nayagarh	FW	ONC	CBD	ITK in agriculture	1	2	2	-	-	-	-	-	23	-
Nayagarh	FW	OFC	CBD	Scientific method of pulse production	1	1	-	-	-	-	-	-	6	19
Nayagarh	IS	ONC	CBD	Agro entrepreneurship development	1	1	4	-	-	-	-	-	21	-
Nayagarh	FW	OFC	CBD	Market led extension	1	1	-	-	-	-	-	-	15	10
Nayagarh	RY	ONC	CBD	Leadership development for community work	1	1	4	-	-	1	-	-	15	-
Nayagarh	FW	OFC	CBD	Improved Agricultural Implements for Sowing & Planting in Rabi Crops	1	2	8	-	2	-	-	-	15	-
Nayagarh	FW	OFC	CBD	Co-operative and contract farming	1	1	21	-	-	-	-	-	4	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	OFC	CBD	ITK in agriculture	1	1	6	-	-	-	-	-	19	-
Nayagarh	IS	ONC	CBD	Participatory Project Management in rural sector for sustainable livelihood & food security.	1	1	5	-	-	-	-	-	20	-

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Nayagarh	Value Addition on Vegetables	Value addition	Income generation	5	-	7	-	2	-	-	-	11
Nayagarh	Bee Keeping	Apiculture	Income Generation	5	3	-	4	-	-	-	13	-
Nayagarh	Entrepreneurship development in ornamental fish	Ornamental fish	Unemployed rural youths and school dropouts	4	4	-	3	-	-	-	13	-
Nayagarh	Quality planting material production of fruit crops	Mango, lime, guava	Income generation	3	3	-	4	-	-	-	10	3

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Nayagarh	Value Addition on Vegetables	Value Addition	7	25	12
Nayagarh	Bee Keeping	Apiary	16	45	26
Nayagarh	Entrepreneurship development in ornamental fish	Ornamental fish	5	8	12
Nayagarh	Quality planting material production of fruit crops	Nursery	10	50	25
Nayagarh	Commercial cultivation of Rice Straw Mushroom	Production of Mushrooms	15	45	14
Nayagarh	Backyard poultry	Rearing of Vanaraja	18	40	25

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Nayagarh	Post Harvest Technology and Value Addition	Post Harvest Technology	Processing and Value Addition	FW	5	10	6	-	15	-	3	-	1	-	ATMA, Nayagarh	-

Table 5.5 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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
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 crops	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-49 Income-18
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-25 Income- 19
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 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 increased by 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 increased 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

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Nayagarh	Field Day	21	14									
Nayagarh	Kisan Mela	2	2	500	68	114	37	12	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	81	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	5	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	95	0	0	0	0	0	0			
Nayagarh	Scientific visit to farmers field	170	251	0	0	0	0	0	0			
Nayagarh	Farmers visit to KVK	500	368	0	0	0	0	0	0			
Nayagarh	Diagnostic visits	96	64	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	5	0	80	0	20	0	0			
Nayagarh	Mahila Mandals conveners meetings	1	3	0	57	0	18	1	1			
Nayagarh	Celebration of important days (World environment day)	3	3	27	63	15	45	2	2			

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Nayagarh	June, 2013	Quarterly	500	500
Nayagarh	September, 2013	Quarterly	500	500
Nayagarh	December, 2013	Quarterly	500	500
Nayagarh	March, 2014	Quarterly	500	300

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Nayagarh	Booklet	Mushroom cultivation	S. Dash, T. Badjena, T. Khandaitaray and A. Panda	500
Nayagarh	Booklet	Scientific vegetable cultivation	T. Khandaitaray, S. Dash, T. Badjena and A. Panda	500
Nayagarh	Booklet	Rejuvnation of old kasu orchad	A. Panda, S. Dash, T. Badjena, and T. Khandaitaray	500
Nayagarh	Leaflet	SRI method of rice cultivation	T. Badjena	500
Nayagarh	Leaflet	Wilt management in solanaceous vegetable	T. Khandaitaray A. Panda	500
Nayagarh	Leaflet	IDM for BLB control in rice	T. Khandaitaray and A M Pusti	500
Nayagarh	Leaflet	Backyard poultry rearing	S. Sahu	500
Nayagaeh	Popular article	Control measure of turbidity in pond	S. Sahu	500
Nayagarh	Technical bulletin		S. Dash, T. Badjena, T. Khandaitaray , A M Pusti, S. Sahu and A. Panda	83
Nayagarh	News paper coverage		S. Dash, T. Badjena, T. Khandaitaray , A M Pusti, S. Sahu and A. Panda	17

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Nayagarh		Dhanicha (TL)		0.6q	3900	10	2ha
Nayagarh							

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Nayagarh	Horticultural Plant	Mango grafts	Amarpalli	1817	43531	181	18.4ha
Nayagarh	Honey		*Apis cerana indica*	18Kg	5400	72	
Nayagarh	Seedling	Fruits and vegetables	Arka Nilachala, kranti, Utkal ava, PKM-1, Red Lady, ranchi dwarf	23643	27011		
Nayagarh	Ornamental Flower	Merigold	Ceracola	17570	8785		
	Vermicompost		*E.foetida*	13.79q	10346	40	5.5ha
	Forest Species	Teak		770	6160		
		A. mangium		1000	5000		
	Mushroom		*V. volvaceae*	60kg	5400	120	
	Mushroom Spawn		*V. volvaceae*	520	6240	77	-

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Nayagarh	Bio Agents						
Nayagarh	Bio Agents						
Nayagarh	Bio Fertilizer	Vermi-compost	13.79q		10346	40	5.5ha
Nayagarh	Bio Fertilizer						

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Nayagarh	**Back ward Poultry**	**Vanaraja**	**21 day old chicks**	**2177**	**97965**	**92**
Nayagarh	**Fisheries**	**Colour Fish**	**Live Bearer**	**476**	2380	18

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far:

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Nayagarh	Not yet established	-`	-	-	-	-	-	-

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
		`						

10. Rainwater Harvesting: NA

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

11. Utilization of Farmers Hostel facilities: Under Construction

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)	Accommodation available (No. of beds)

12. Utilization of Staff Quarters facilities: NA

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

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Nayagarh	**10.10.13**	**20**	1. Popularize SSI method of sugarcane cultivation 2. Popularize mushroom cultivation by entrepreneurship development 3. Popularize IPM/IDM practice 4. Programmes on soil test & soil health mgt. 5. Deworming of feed 6. More no of training of oilseed & pulse 7. Popularize sweet corn cultivation 8. Programmes on seed treatment & varietal intervention in pulses

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

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
nayagarh	112	917	133	Pacific Technology, Nagpur	ICM, IPM, IDM, IWM, Awareness, Livestock, Fishery, Mushrooms

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Nayagarh	RKVY	Center	2,25,000	Drip & Sprinkler irrigation system	KVK, Nayagarh	
Nayagarh	ATMA	State	65,000	Exhibition, Farmers scientist interaction, booklet preparation	KVK, Nayagarh	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
	30437808474	1,33,904	1,92,177	1,92,177

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Nayagarh	Suresh sahoo	Farmer	OUAT, BBSR	-
	Bipra ch Biswal	Farmer	Deptt. Of Agril., Nayagarh	-

18. Details of KVK Agro-technological Park.

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park: NA

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

c). Crop Cafeteria-

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

19. 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 trolly	Manapur Ph.No-7504562566
4	Nayagarh	Mr.Pabitra Khuntia	Low cost lifter	Gholasahi Ph.no.9937224235

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	October, 2013	50
2	February, 2014	50

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Nayagarh	8	8	51	133

22. 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
1	Green gram var. SML 668	4.8 ha	2	High pod yielding ability with reduced seedling blight, powdery mildew and YMV incidence

23. 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

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Nayagarh	Prof. Manoranjan Kar	**10.10.13 & 18.02.14**	-	**SAU**	-	Attended SAC meeting & farmers fair
Nayagarh	Dr. S. S. Nanda	**10.10.13 & 18.02.14**	-	**SAU**	-	Attended SAC meeting & farmers fair
Nayagarh	Dr. S.R.K Singh	**20.11.13**	**ICAR**	-	-	Review of losses inside the KVK campus by Phailin
Nayagarh	Dr.A.K. Diwedi	**21.11.13**	**ICAR**	-	-	Technical Review

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Nayagarh	10.12.2013	-	-

26. E-CONNECTIVITY: 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 mate to Hub by KVK			

27. Status of RTI

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

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Nayagarh	308	308	-

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Nayagarh				
Nayagarh	Total	0	0	0

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Nayagarh	0	0

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Nayagarh	Miss Swagatika Sahu	SMS (Fisheries)	**3**	
Nayagarh	Mr. Arjuna Mohan Prusti	SMS (Plant Breeding)	**1**	
Nayagarh	Mr. Trinath Khandaitaray	SMS (Plant Protection)	**2**	
Nayagarh	Mr. Tribijayi Badjena	SMS (Agril. Extension)	**1**	
Nayagarh	Mr.Amitabh Panda	SMS, Horticulture	**1**	
Nayagarh	Mrs. Rosalin Praharaj	Pro. Asst. (Computer)	**1**	
Nayagarh	Mr. Bikram Keshari Parimanik	Pro. Asst. (Forestry)	**1**	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Nayagarh	**7**	**10**

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Nayagarh	**0**		**0**	

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Nayagarh	**1**	**1**

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt.

1.16	1.72

And ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Nayagarh	12	Cyclone damage report	DEE, OUAT & ZPD, Jabalpur

33. 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	1	50	Prospects of off- season vegetable cultivation
Nayagarh	Exhibition	1	50	Scientific technologies on various crop & livestock's
Nayagarh	Film show	7	350	IPM, IDM, INM, IWM, mushroom cultivation, vermin-composting, varietal diversification in rice & vegetables
Nayagarh	Soil health Awareness campaign	1	50	-
Nayagarh	Road show	1	-	Latest Scientific technologies on various crop & livestock's
Nayagarh	Animal Health Camp	1	35	All kinds of livestock's

34. INTERVENTIONS ON DROUGHT MITIGATION: NA

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants

Animal health camps organized

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

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

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

Large scale adoption of resource conservation technologies

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

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

35. 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	Any Special Remark by Visitors

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

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

37.

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

CASE STUDY-1

POND BASED INTEGRATED FARMING SYSTEM

DETAILS

NAME	**SURESH KUMAR SAHOO**
FATHERS NAME	LATE RAHATA SAHOO
VILL	DHUSUMA
GP	ANGISINGI
BLOCK	ODAGAON
DIST	NAYAGARH
AGE	43
QUALIFICATION	GRADUATE
FAMILY MEMBERS	4
LAND AREA	3.8AC

Mr. Suresh Kumar Sahoo S/O Late Rahat Sahoo of Dhusuma village of Odagaon block of Nayagarh district of Odisha is a graduate of age about 43 years. He was having a land of 1.52Ha which was situated around 2km away from his house at village. The land was situated near to canal where irrigation was available during the Kharif season. He was having family members of four including himself, mother, wife and son. After the death of his father he has planned for the development of the land for the agricultural purpose. During in the year 2007-08 he initially started banana plantation around 0.8Ha land after developing the land by cutting the bushes and land leveling. After plantation of banana he has gone for around 0.12Ha land for vegetable for home consumption. He faced marketing problem during harvesting of banana and faced loss due to lesser price of the banana in the local market. In the next year after removing the banana plant again planted tissue culture banana “Bantal” along with vegetables for home consumption. Due to natural calamity of heavy wind during the harvesting stage again same problem arises but in that year it was not loss with less profit.

In the year 2009-10 he came across KVK, Nayagarh which is situated around 28km from his village. One day he came to KVK and discussed with all the scientist of the KVK and the entire scientist decided to visit his farm. After visit to his farm a detain plan was prepared for the development of his farm considering all the resources available and his interest along with the farming situation.

YEAR	ACTIVITIES	SIUATION	

2007-08	BANANA, VEGETABLE	LOSS	
2008-09	BANANA, VEGETABLE	NO LOSS NO PROFIT	
2009-10	POND CONSTRUCTION, VEGETABLES	Rs. 30,000 profit	KVK INTERVENTION
2010-11	FISHERIES, DUCKERY, VEGETABLES	Rs. 70,000 profit	KVK INTERVENTION
2011-12	FISHERIES, FISH SEED PRODUCTION, MOONG, INTERCROPPING, VEGETABLES	Rs. 1,86,115 profit	KVK INTERVENTION

SUCCESS STORY-1

Vegetable Farming-A successful enterprise

Background information

Mr. Pabitra Barad of Village- Hariharpur, Block: Odagaon is a young, motivated, farmer. He owned 8 acres of land, out of which he grows sugarcane in 3 ac., rice in 4 ac, & rest fallow. Lands under Rice were remaining idle in Rabi in absence of assured irrigation facility. He was in search of a suitable enterprise.

Description of the technology

Kharif season	**Rabi**	**Summer**
Kharif tomato (1 ac.), Brinjal (0.5 ac.), Cauliflower (1 ac.), Bitter gourd(0.1 ac.)	Potato (0.4 ac.) Onion (0.4 ac.)	Pumpkin (0.2 ac.) Okra (0.1 ac.) Cowpea (0.2 ac.)

Seed treatment with vitavax power @ 1g./kg of seed.

* Seedling treatment with ridomil @ 2 g/lt. of water, plantomycin @1g/lt. of water

* Use of HYV & hybrid vars. Such as Utkal Raja(Tomato),Baidyabati(Pumpkin)of vegetables.

* Intercultural practices such as staking (tomato), weeding, irrigation at regular interval.

* Application of micronutrients such as Boron (cauliflower, tomato, potato),sulphur(onion)

* Growth regulator application in cucumber.

* Need based application of plant protection chemicals.

Dissemination Process

- After the establishment of KVK attempts have been made to popularize the vegetable cultivation.
- Various activities like on farm testing, front line demonstration, trainings, exposure visits, buyer- seller meet, organization of field day, awareness campaign and formation of farmers club etc were conducted with farmers full cooperation and active participation.
- Training programme on “Micronutrient application in vegetable crops, planting & nutrient management in pumpkin,” were organized in village Hariharpur during July 2011 by KVK.

- On farm testing on “Assessment of Boron application in cauliflower, Assessment of HYV of Tomato Utkal Raja” &Frontline demonstration on pumpkin var. Baidyabati were conducted in his village with Pabitra Barad as one of the beneficiary.
- Time to time field visits were undertaken to Hariharpur and field day was conducted with farmers from nearby village.

Success points

- ❑ Sri Barad took up vegetable cultivation instead of traditional rice cultivation which is highly remunerative.
- ❑ Raising of off-season cauliflower produced high return from unit area.
- ❑ Use of HYV, Hybrid seeds such as Utkal Raja in tomato,Baidyabati in pumpkin instead of local seed produced more yield.
- ❑ Adoption of improved cultural practices such as staking in tomato,application of micro-nutrients in tomato,cauliflower gave more marketable surplus.
- ❑ Innovative marketing practices such as direct selling in mandi avoiding middlemen ,yield more return for grower.
- ❑ Training, awareness,on farm testing, demonstration programmes added to expand the knowledge base of Sari Barad & helped him to stand on his own feet.

Outcome

- ❖ Sri Barad earned a net profit of Rs. 1,70,000 with an expenditure of Rs.52,000 in Kharif season, in Rabi Rs.23,000 with expenditure of Rs.8,000 ,in summer Rs.25,000 with expenditure of Rs.9,000.The net profit from vegetable farming was Rs. 2,18,000 with a total cost of Rs.69,000 in a year during 2011-12.
- ❖ Sri Barad has dug one borewell to ensure irrigation during rabi & summer to his vegetable field.
- ❖ Sri Barad is an eye opener for his village & nearby other villages.
- ❖ For his significant contribution to vegetable farming, Sri Barad has been awarded with State Level Prize during Foundation Day of O.U.A.T,Bhubaneswar.

Impacts

- ❖ The success of of Sri Barad has inspired many farmers of Hariharpur, Godipalli, Dhusumaha to grow for vegetable cultivation.
- ❖ More than 380 Ha. of off season vegetable cultivation under cauliflower are taken up in Odagaon block.

- ❖ Mr Barad along with other vegetable growers have formed one association namely “Dhadhibaman Jew Vegetable Growers Association” to promote production & marketing of vegetables.
- ❖ Fresh vegetables are collected and sent directly to nearby markets such as Bhubaneswar avoiding the middlemen, increasing producers share.

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