

**ANNUAL PROGRESS REPORT
FOR THE YEAR 2012-13
ZONE VII, JABALPUR**

Krishi Vigyan Kendra, Puri

Orissa University of Agriculture and Technology, Bhubaneswar

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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 mentioning “Additional Information”**
- 9. 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.**

Note for Annual Action Plan 2012-13

1) Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1st April, 2012 to 31st March 2013 in the table no.1,(1.1,1.2,1.3,1.4), 2.1, 3.2, 3.4, 3.5, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 6.0, 7.1, 7.2, 7.3, 7.4, 8.1, 9.0, 10.0, 11, 12.1, 12.2, 12.3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29. Remaining of the column and tables will be filled up after completion of the work as Annual Progress Report.

2) Any other activities proposed not mentioned in this format may be incorporated in the last page with certain specification.

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	
Puri	OFTs	23	110	19	94	
Puri	FLDs – Oilseeds (activity in ha)	5	20	10	15	
Puri	FLDs – Pulses (activity in ha)	5	20	10	15	
Puri	FLDs – Cotton (activity in ha)					
Puri	FLDs – Other than Oilseed and pulse crops(activity in ha)	22.4	125	17.4	81	
Puri	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	8	52	9	63	
Puri	Training-Farmers and farm women	87	2175	87	2175	
Puri	Training-Rural youths	17	355	17	355	
Puri	Training- Extension functionaries	9	225	8	200	
Puri	Extension Activities	989		989		
Puri	Seed Production (Number of activity as seeds in quintal)	3	534			
Puri	Planting material ((Number of activity as quantity of planting material in quintal)					
Puri	Seedling Production (Number of activity as number of seedlings in numbers)	8	15430	8	15430	
Puri	Sapling Production (Number of activity as number of sapling in numbers)					
Puri	Other Bio- products (No. of quantity)	2000				
Puri	Live stock products	-				
Puri	Activities of Soil and Water Testing Laboratory	-				
Puri	Rainwater Harvesting System	-				
Puri	Kisan Mobile Advisory (KVK-KMA)	50000				
Puri	SAC Meeting (Date & no. of core/ official members)	2	30	1	30	
Puri	Literature to be Developed/Published	12		10		

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	
Puri	Convergence programmes / Sponsored programmes	5				
Puri	Utilization of Farmers Hostel					
Puri	Utilization of Staff Quarters					
Puri	Details of KVK Agro-technological Park					
Puri	Crop Cafeteria-					
Puri	Farm Innovators- list of 10 farm innovators from the District					
Puri	Status of Revolving Funds					
Puri	Awards and Recognitions					
Puri	Case study / Success Story to be developed					
Puri	KVK Progressive Farmers interaction					
Puri	Outreach of KVK in the District (No. of blocks, no. of villages)					
Puri	Technology Demonstration under Tribal Sub Plan					
Puri	KVK Ring					
Puri	Important visitors to KVK					
Puri	Status of KVK Website					
Puri	Status of RTI					
Puri	E-connectivity					
Puri	Details of Technology Week Celebrations					
Puri	Interventions on Drought Mitigation					
Puri	Proposal of NAIP					
Puri	Proposal of NICRA					
Puri	Well labeled photographs					
Puri	Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on dt.01.04.2013)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Puri	Programme Coordinator	Dr. Anil Kumar Swain	Fishery Sc	Ph.D	Fishery Sc	15600-39100	15600+8000	01.09.12	Temporary	Others
Puri	Subject Matter Specialist 1	Dr. Saswati Parichha	Home Sc.	Ph.D	Home Sc.	37400-67000	49610+10000	1.11.11	Temporary	Others
Puri	Subject Matter Specialist 2	Babita Mishra	Horticulture	M.Sc.	Horticulture	15600-39100	19050+6000	27.6.07	Temporary	Others
Puri	Subject Matter Specialist 3	Samarendra Baral	Plant Protection	M.Sc.	Plant Protection	15600-39100	19050+6000	19.6.11	Temporary	Others
Puri	Subject Matter Specialist 4	Sangram Paramaguru	Agril. Extn.	M.Sc.	Agril. Extn.	15600-39100	16250+6000	1.5.11	Temporary	Others
Puri	Subject Matter Specialist 5	Subhashis Dash	Soil. Sc.	M.Sc.	Soil Science	15600-39100	17610+6000	10.11.12	Temporary	Others
Puri	Subject Matter Specialist 6	Dr. Siddharth Ranabijuli	Animal Science	M.V.Sc.	Animal Science	15600-39100	15600+6000	12.12.12	Temporary	Others
Puri	Programme Assistant	Manas Ranjan Behera	Fishery Sc.	M.F.Sc.	Fishery Sc.	9300-34800	11940+4200	8.12.09	Temporary	Others
Puri	Farm Manager	Nilamadhaba Sasmal	Soil Sc.	M.Sc.	Soil Sc.	9300-34800	11940+4200	1.7.07	Temporary	Others
Puri	Computer Programmer	Prasant Kumar Sahoo	Computer	MCA	Database Management	9300-34800	11470+4200	19.12.10	Temporary	OBC
Puri	Accountant / superintendent	Sanatan Roul	-	I.A	-	9300-34800	16470+4200	23.8.12	Temporary	-
Puri	Stenographer	Bibhu Prasad Dash	-	B.A.	Stenography	5200-20200	6700+2400	1.8.12	Temporary	Others
Puri	Driver	Pramod Kumar Lenka	-	Matric	-	5200-20200	6110+1900	24.7.07	Temporary	Others
Puri	Driver	Bijaya Kumar Barik	-	Matric	-	5200-20200	6110+1900	23.3.11	Temporary	OBC
Puri	Supporting staff	Braja Bandhu Sahani	-	Under matric	-	4440-7440	4800+1300	8.8.08	Temporary	Others
Puri	Supporting staff	Babaji Sethi	-	Under matric	-	4440-7440	4800+1300	7.8.08	Temporary	SC

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

Puri is one of the coastal district of Odisha having 155 km. coast line along Bay of Bengal. The geographical area of the district is 348102 ha. which lies between $19^{\circ} 20^{\frac{1}{2}}$ to $29^{\circ} 35^{\frac{1}{2}}$ north latitude and between $34^{\circ} 28^{\frac{1}{2}}$ to $36^{\circ} 25^{\frac{1}{2}}$ east longitude. Asia's largest brackish water lake, Chilka is situated in the south west corner of the district. Five major rivers flow through the district. Out of 11 blocks in the district, 9 blocks are covered by Mahanadi delta-II irrigation system.

Agro-climatic zone- East and south eastern coastal plain zone

Agro-Ecological Situations (AESs) of the District

Based on the soil type, rainfall, irrigation, climate and farming system Puri district is coming under one agro climatic zones and six AESs as detailed below.

Agro-climatic zone	Agro-Ecological Situation
1. East and South East Coastal Plain zone	1. Coastal Alluvial Command 2. Coastal Alluvial Non-command 3. Coastal Alluvial Saline 4. Rainfed Laterite 5. Rainfed Red and Laterite 6. Rainfed brown forest

Climate: Sub-tropical, hot & humid

Temperature: Maximum 39°C (April-May) Minimum 18°C (Dec-Jan)

Humidity: Maximum – 95% Minimum-50%

Rainfall : 1550.2mm (Normal Rainfall: 1449.1 mm)

Demographical information of district

Total Geographical area (ha)	:	348102
Total No. of Blocks	:	11
Total No. of Villages	:	1715
Total population	:	1502682
Male	:	763389
Female	:	739293
Sex ratio	:	968 (Female per ,000 male)
Literacy rate (%)	:	78.40
No. of farm families	:	149294
Small farmer	:	50579
Marginal farmer	:	80420
Big farmer	:	18295
Gross cropped area	:	3.05 lakh ha.
Cropping intensity	:	214 %
Irrigated area		
Kharif	:	145.49 th.ha
Rabi	:	95.28 th.ha
Soil	: Characteristics :	Deep soils developed on deltaic & Coastal alluvium, Poorly to imperfectly drained with slight to moderate erosion, moderate to severe flooding and slight to strong salinity hazards.
	Inherent fertility of soil :	Sandy loam to loamy soil, Slightly acidic to neutral, Deficient in N, Medium in P & K status Soils away from coast are deficient in S, B, Mo, and Zn. High Fe, Mn & Cu. Saline soils contain toxic concentration of B & Cu.

Agriculture : Contributes 25% of National income
 Employment to 70% working population
 Farm families – 1.5 lakh sustained with Agriculture

- Trend of area/ productivity of 3-4 major crops grown in Kharif & rabi, cropping pattern

S. No	Farming system/enterprise		
Rice based farming system with following cropping system		Enterprise	
1	Rice-rice (Irrigated)	1.	Dairy
2	Rice-Groundnut (Rainfed)	2	Fishery
3	Rice-Veg. –Veg. (Irrigated)	3	Betelvine
4	Rice – potato – Sesame / Greengram (Irrigated)	4	Coconut
5	Rice – Black gram / Sunflower (Irrigated)	5	Poultry
		6	Goatery / Sheep rearing

Area, Production & Productivity of major crops in Puri District

Sl.No	Name of the crop	Area (ha)			Production (MT)			Productivity (q/ha)	
		Kharif	Rabi	Total	Kharif	Rabi	Total	Kharif	Rabi
1	Paddy	144841	50355	195196	272590.76	175940.37	448531.13	18.82	34.94
2	Millets	175	189	364	96.25	103.95	200.20	5.5	5.5
3	Total food grain	145016	50544	195560	272775.10	175893.12	448668.22	18.81	34.80
3	Pulses	-	62330	62330	-	15582.5	15582.5	-	2.50
4	Oilseeds	-	15999	15999	-	30046.12	30046.12	-	18.78
5	Fibres	32	-	32	18.56	-	18.56	5.80	-
6	Vegetables	14432	13364	27796	131922.91	113981.56	245904.47	91.41	85.29
7	Spices	1396	1452	2848	707.77	650.50	1358.27	5.07	4.48
8	Sugarcane	573	590	1163	-	21953.90	21953.90	-	372.10

- Consumption of chemical fertilizers : 56.00 kg/ha
- Status of livestock in brief

Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production ('000MT)	Category	Population	Production ('000MT)
Cattle			Poultry	455820	
<i>Crossbred</i>	20290	92 (Milk)	Hens		
<i>Indigenous</i>	409107		<i>Desi</i>		
Buffalo	27401		<i>Improved</i>		
Sheep	67466		Ducks		
<i>Crossbred</i>			Turkey and others		
<i>Indigenous</i>		1775 (Meat)	Fish		306.95
Goats	132717		<i>Marine</i>		116.88
Pigs	1950		<i>Inland</i>		190.07
<i>Crossbred</i>			Prawn		
<i>Indigenous</i>			Scampi		
Rabbits	Nil		Shrimp		24447

○ **Land utilization & irrigation status**

- **Total cultivated area (ha)** : 188745
- High : 21517
- Medium : 57654
- Low : 109574
- a. Total paddy area (ha)** : 141160
- High : Nil
- Medium : 57318
- Low : 83842
- b. Total Non-paddy area** : 47585 ha
- c. Cultivable waste** : 3322 ha
- d. Water logging area** : 15192 ha
- e. Saline area** : 19480 ha

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2012 to 31.3.2013 (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)
Puri	Sarbapada	2008	Nimapara	35 km	324	45
Puri	Naranpur	2009	Kakatpur	65 km	624	94
Puri	Dumukipur	2009	Pipili	8 km	300	30
Puri	Basudeipur	2011	Satyabadi	4 km	350	70
Puri	Otarkera	2012	Satyabadi	8 km	176	35

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

KVK Name	THRUST AREA
Puri	1. High yielding & Hybrid rice varieties for medium and low land situation.
Puri	2. Cultivation of high yielding varieties of groundnut.
Puri	3. Cultivation of high yielding varieties of black gram and green gram.
Puri	4. Commercial cultivation of coconut, banana, papaya, betel vine and vegetables.
Puri	5. Mushroom cultivation.
Puri	6. Integrated pest and disease management.
Puri	7. Integrated fish farming and fish health management.
Puri	8. Artificial insemination of cows.
Puri	9. Health management of dairy animals and small ruminants.
Puri	10. Profitable dairy and goatery.
Puri	11. Commercial floriculture.
Puri	12. Organic farming.
Puri	13. Farm mechanization for timely operation and save high Labour cost.
Puri	14. Value addition to fruits, vegetables, milk and low cost marine fish and prawn.
Puri	15. Profitable poultry and duckery.

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Puri	Low productivity of fodder & imbalanced nutritional supplements	Survey	All blocks
Puri	Low yielding local aromatic rice	Field visit	All blocks
Puri	High cost of production and poor soil management due to conventional tillage	Group discussion	All blocks
Puri	Poor soil management in rice with chemical fertilizers and pesticides. Decline in soil fertility	PRA	All blocks
Puri	Low yield due to local variety	Survey	All blocks
Puri	Low yield & quality due to imbalance application of fertilizer	Interactive discussion	All blocks
Puri	Low yield due to heavy weed infestation	Group discussion	All blocks
Puri	Low yield & quality due to imbalance application of fertilizer	Field visit	All blocks
Puri	Low yield due to high pest infestation	Survey	All blocks
Puri	Low yield due to high pest infestation	Diagnostic visit	All blocks
Puri	Low yield due to high Disease incidence	Interactive discussion	All blocks
Puri	Low yield due to high pest infestation	Field visit	All blocks
Puri	High skill labour requirement in plucking	Survey	All blocks
Puri	Labour scarcity and drudgery	Diagnostic visit	All blocks
Puri	Drudgery	Group discussion	All blocks
Puri	Labour scarcity and low plant density	PRA	All blocks
Puri	Unutilised swampy & /marshy lands	Survey	All blocks
Puri	High cost of production due to lack of knowledge about low cost feed	Field visit	All blocks
Puri	Less profit from fish culture	Diagnostic visit	All blocks
Puri	High cost of production and improper utilization of waste	Survey	All blocks
Puri	High cost of production in paddy straw mushroom	PRA	All blocks
Puri	Low income from paddy mushroom	Group discussion	All blocks
Puri	Manual decorticating is tedious	Interactive discussion	All blocks
Puri	High Parasitic load in the animals	Field visit	All blocks
Puri	Low milk yield due to insufficient nutrition	Survey	All blocks

2. On Farm Testing

2.1 Information about OFT conducted

KVK name	Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Ha/No.)	No. of trials	Title of OFT	Results (Q/Ha.)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Puri	Rabi 2012-13	High cost of production and poor soil management due to conventional tillage	Assessment	Resource conversion technology	Crop	Rainfed	2	8	Assessment of Resource Conservation Technology with post emergence herbicide application in rabi greengram	5.9	7.2	5700	11600
Puri	Kharif 2012	Low yield due to local variety	Assessment	Varietal evaluation	Crop	Upland	5	5	Assessment of Turmeric Variety Roma in coconut orchard	82.5	127.5	39950	88125
Puri	Rabi 2012-13	Low yield & quality due to imbalance application of fertilizer	Assessment	INM	Crop	Medium land	5	5	Assessment of INM in Marigold	87.5	106.8	62400	85300
Puri	Rabi 2012-13	Low yield due to heavy weed infestation	Assessment	Weed management	Crop	Medium land	5	5	Assessment of Oxyfluorfen for control of weed in cauliflower	186.5	212.7	67300	87670
Puri	Rabi 2012-13	Low yield & quality due to imbalance application of fertilizer	Assessment	INM	Crop	Medium land	5	5	Assessment of INM in Bittergourd	105.5	137.5	45200	71600
Puri	Kharif 2012	Low yield due to high pest infestation	Assessment	IPM	Crop	Lowland	5	5	Assessment of Flubendiamide 20% for management of stem borer in Rice	40	50.94	16000	25940

KVK name	Year/Season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target (Ha/No.)	No. of trials	Title of OFT	Results (Q/Ha.)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Puri	Rabi 2012-13	Low yield due to high pest infestation	Assessment	IPM	Crop	lowland	5	5	Assessment of chemical management against Flea beetle in Greengram	5.5	7.25	11000	12000
Puri	Rabi 2012-13	Low yield due to high Disease incidence	Assessment	IDM	Crop	Medium land	5	5	Assessment of chemical management of Blight Disease in Potato	235	270	165000	198000
Puri	Rabi 2012-13	Low yield due to high pest infestation	Assessment	IPM	Crop	Medium land	5	5	Assessment of IPM strategy for management of fruit borer in Tomato	211.2	259.8	75720	100880
Puri	Kharif 2012	Labour scarcity and drudgery	Assessment	Farm machinery	Enterprise/Paddy	Medium land	5	5	Assessment of performance of Mandua weeder in rice	40.4	41.6	16500	18500
Puri	Kharif 2012	Unutilised swampy & /marshy lands	Assessment	Production and management	Enterprise	Swampy land	0.18	3	Assessment of Asian magur (<i>Clarius batrachus</i>) culture in unutilized swampy pond		5.5		37104
Puri	Kharif 2012	High cost of production due to lack of knowledge about low cost feed	Assessment	Production and management	Enterprise	Pond based	1.0	3	Assessment of growth of grass carp with terrestrial leave feeding	26.88	35.45	135348	197739
Puri	Kharif 2012	Less profit from fish culture	Assessment	Production and management	Enterprise	Pond based	0.4	3	Assessment of crab culture in brackish water pond		3.75		71442
Puri	Kharif 2012	High cost of production and improper utilization of waste	Assessment	Production and management	Enterprise	Pond based	0.24	3	Assessment of periphyton based fish culture	25.5	31.8	133968	185364
Puri	Rabi 2012-13	Drudgery	Assessment	Drudgery reduction	Enterprise	-	5	5	Assessment of performance of sitting type coconut dehusker	60	160		

KVK name	Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Ha/No.)	No. of trials	Title of OFT	Results (Q/Ha.)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Puri	Khariif 2012	High cost of production in paddy straw mushroom	Assessment	Mushroom cultivation	Enterprise	Upland	5	5	Assessment of low cost paddy straw mushroom cultivation	600	750	3000	6000
Puri	Khariif 2012	Low income from paddy mushroom	Assessment	Mushroom cultivation	Enterprise	Upland	5	5	Assessment of performance of milky mushroom	600	600	40/bed	50/bed
Puri	Rabi 2012-13	High Parasitic load in the animals	Assessment	Disease control	Enterprise	Backyard	5	5	Assessment on effect of ivermectin and closantel on ecto and endo parasite in small ruminants	6.8	7.95	1489	1951
Puri	Rabi 2012-13	Low milk yield due to insufficient nutrition	Assessment	Production	Enterprise	Backyard	9	9	Assessment on effect of prebiotics on milk yield of CB cows	6.35	7.5	63.84	83.79

2.1 Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Dept. Personnel
Assessment of Resource Conservation Technology with post emergence herbicide application in rabi greengram	Weed management through chemical quizalofop ethyl is easier and economical	Weedicide quizalofop ethyl application in green gram found weed population was reduced by 79.5% over farmer practice and yield increased by 22.03% over farmer practice
Assessment of Turmeric Variety Roma in coconut orchard	Mulching is necessary for better yield	Storing of the produces to be given to the SHGs
Assessment of INM in Marigold	Round the year marigold variety to be used for the production	Marketing to be linked for better price
Assessment of Oxyfluorfen for control of weed in cauliflower	This can be applicable for the other vegetable crops	Should be suggested to the farmer for low cost
Assessment of INM in Bittergourd		
Assessment of Flubendiamide 20% for management of stem borer in Rice	Always use new chemicals to decrease resistance development in insect pests	The newer chemical is more effective than the generic products against stem borer

Recommendations		
Title of OFT	For Farmers	For Dept. Personnel
Assessment of chemical management against Flea beetle in Greengram	Always treated the pulse seeds with seed treating chemicals before sowing	Always recomended farmers to treat their pulse seeds with bio-fertilisers and seed treating chemicals before sowing
Assessment of chemical management of Blight Disease in Potato	Always soaked the potato seeds with Dithen-M-45 @3gm/ltr of water for 20 minutes before sowing to save from any types of fungal diseases	recomended the farmers to treat their potato seeds with seed treating chemicals before sowing
Assessment of IPM strategy for management of fruit borer in Tomato	Bio-pesticides are slower in working in comparision to chemicals but more sustainable in long terms	For sustainable agriculture always recomnded IPM strategies to farmers
Assessment of performance of Mandua weeder in rice		
Assessment of Asian magur (<i>Clarius batrachus</i>) culture in unutilized swampy pond	Magur culture to be practiced in derelict water bodies	Stocking of Magur fingerlings for high survival and more yield
Assessment of growth of grass carp with terrestrial leave feeding	Banana leaves to be provided for feeding of grass carp	Recommeded to line deptt. for horizontal spread
Assessment of crab culture in brackish water pond	Crab culture in brackish water pond to be practiced in extensive method	Stocking of crabs @ 1no/m ² and feeding with trash fish is recommended for more growth
Assessment of periphyton based fish culture	Periphyton based fish farming is economical for farmers	Recommeded to line deptt. for horizontal spread
Assessment of performance of sitting type coconut dehusker	SHG groups can use for drudgery reduction	All the SHG groups should have sitting type coconut dehusker
Assessment of low cost paddy straw mushroom cultivation	Carbendazim which is low cost fungicide can be used for more yield	Precautionary measures to be taken while applying
Assessment on effect of ivermectin and closantel on ecto and endo parasite in small ruminants and subsequent body weight gain	Periodic deworming in the animals should be done along with faecal sample test	Closantel is showing better result than ivermectin. Ivermectin showed resistance development in parasites
Assessment on effect of prebiotics on milk yield of CB cows	Prebiotics should be used for better utilization of feed and improved milk production	Prebiotics should be used which showed to increase production along with improved health condition and voluntary feed intake in animals. Incidence if disease decreased and parasitic incidence decreases.

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	Demo	Check	FP (T ₁)	RP (T ₂)		FP (T ₁)	RP (T ₂)		FP (T ₁)	RP(T ₂)		FP (T ₁)	RP (T ₂)	
Puri	Assessment of Resource Conservation Technology with post emergence herbicide application Quizalofop ethyle in rabi green gram	Yield (q/ha)	7.2	5.9	12000	10000		17700	21600		5700	11600		1.47	2.16	
Puri	Assessment of Turmeric Var. Roma	Yield (q/ha)	127.5	82.5	67300	94200		107250	182325		39950	88125		1.6	1.9	
Puri	INM in marigold	Yield (q/ha)	106.8	87.5	44570	48.200		106970	133500		62400	85300		2.4	2.8	
Puri	Assessment of Oxyfluorfen for weed control in Cauliflower	Yield (q/ha)	212.7	186.5	44600	39950		111900	127620		67300	87670		2.5	3.2	
Puri	INM in bittergourd	Yield (q/ha)	137.5	105.5	28300	38400		73500	110000		45200	71600		2.6	2.9	
Puri	Assessment of Flubendiamide 20% for management of stem borer in Rice	Yield (q/ha)	50.94	40	24000	25000		40000	50940		16000	25940		1.6	2.03	
Puri	Assessment of chemical management against Flea beetle in Green gram	Yield (q/ha)	7.25	5.5	11000	12000		22000	29000		11000	17000		2.0	2.42	
Puri	Assessment of chemical management of Blight Disease in Potato	Yield (q/ha)	270	235	70000	72000		235000	270000		165000	198000		3.35	3.75	
Puri	Assessment of IPM strategy for management of fruit borer in Tomato	Yield (q/ha)	259.8	211.2	51000	55000		126720	155880		75720	100880		2.48	2.83	
Puri	Assessment of Asian magur (<i>Clarius batrachus</i>) culture in unutilized swampy pond	Average Body weight (kg)	0.190	-		39896		-	77000		-	37104		-	1.93	

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	Demo	Check	FP (T ₁)	RP (T ₂)		FP (T ₁)	RP (T ₂)		FP (T ₁)	RP(T ₂)		FP (T ₁)	RP (T ₂)	
Puri	Assessment of growth of grass carp with terrestrial leave feeding	Average Body weight of G.C. (kg)	1.18	0.896	106572	121311		241920	319050		135348	197739		2.27	2.63	
Puri	Assessment of crab culture in brackish water pond	Average Body weight (kg)	0.485	-	-	41058		-	112500		-	71442		-	2.74	
Puri	Assessment of periphyton based fish culture	Average Body weight of rohu (kg)	0.770	0.587	113532	127836		247500	313200		133968	185364		2.18	2.45	
Puri	Assessment of performance of sitting type coconut dehusker	Nos./hr	160	60	750	1000										
Puri	Assessment of low cost paddy straw mushroom cultivation	Kg/bed	0.6	0.75	30	35		60	101		30	60		2.0	2.88	
Puri	Assessment of performance of milky mushroom	Kg/bed	0.6	0.6	45	65		80	120		35	55		1.77	1.84	
Puri	Assessment on effect of ivermectin and closantel on ecto and endo parasite in small ruminants and subsequent body weight gain	Body wt gain (Kg)/ goat	7.95	6.8	1190	1094		2679	3045		1489	1951		2.25	2.78	
Puri	Assessment on effect of prebiotics on milk yield of CB cows	Milk yield	7.5	6.35	47.60	56.61		111.44	140.40		63.84	83.79		2.3	2.4	

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
Puri	Potato	Varietal evaluation	Demonstration of Potato variety Kufri Surya, Seed rate 15-20q/ha, spacing 45X12 cm, NPK 180-80-110 kg/ha with standard package of practices	Communication to Govt. Ag. & Horticulture department, ATMA, Newsletter, KVK Newsletter, farmers fair	10	75	5ha
Puri	Capsicum	Varietal evaluation	Demonstration of Capsicum var. California wonder , Seed rate 325g/ha, spacing 45- 50x30 cm, NPK 50:75:75 kg/ha with standard package of practices	Communication to Govt. Ag. & Horticulture department, ATMA, Newsletter, KVK Newsletter, farmers fair	5	50	4ha
Puri	Baby Corn	Varietal evaluation	Demonstration of Baby corn var hybrid HM-4, Seed rate 8kg/ac, spacing 40x15 cm, fertilization 120:60:60 and other standard practices, harvest at silking	Communication to Govt. Ag. & Horticulture department, ATMA, Newsletter, KVK Newsletter, farmers fair	5	25	5ha
Puri	Paddy	Varietal evaluation	Demonstration of HYV Swarna Sub 1, Seed rate 60kg/ha, spacing 20x10 cm, FYM 10t/ha, fertilization 80:40:40	Communication to Govt. Ag. & Horticulture department, ATMA, Newsletter, KVK Newsletter, farmers fair	7	75	25ha
Puri	Green gram	Integrated crop management	Demonstration of package of practices green gram, seed treatment ,Inoculation with Rhizobium, NPK as per soil test, Pesticides as per need	Communication to. Agriculture dept, ATMA, Newsletter, KVK Newsletter, farmers fair	5	50	45ha
Puri	Fishery	Production and management	Stocking of Catla, rohu 3000 nos and <i>M. rosenbergii</i> juveniles 10000 nos/ha with proper management practices	Communication to Govt. fishery department, ATMA, Newsletter, KVK Newsletter, farmers fair	6	34	18 ha

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
Puri	Fishery	Production and management	Stocking of catla:rohu:mrigal:SC:GC:CC at 2:2:2:1.5:1.5:1 @ 10,000 no/ha with feeding rice bran and GNOC (1:1) @2-5% body weight	Communication to Govt. fishery department, ATMA, Newsletter, KVK Newsletter, farmers fair	11	58	37 ha
Puri	Animal sc	Rearing of poultry birds	Rearing of poultry banaraja with proper management practice	Communicated to the Dept. of ARD & F, ATMA, Newsletter, KVK Newsletter, farmers fair	7	56	
Puri	Animal sc	Rearing of poultry birds	Duckery @ 300 no/ ha in fish pond	Communicated to the Dept. of ARD & F, ATMA, Newsletter, KVK Newsletter, farmers fair	5	45	

3.2Details of FLDs implemented during 2012-13

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	Weed management	Paddy	Kharif 2012	Demonstration of post emergence application of Almix in transplanted rice @ 20g/ha at 15 DAT to control broad spectrum needs	10	Swarna	45.2	41.8	8.13	4		4	12	20
Puri	Varietal evaluation	Paddy	Kharif 2012	Demonstration of HYV Swarna Sub-I, seed rate 60kg/ha, spacing 20 x 10cm, FYM 10T/ha, fertilization – 80:40:40/2ha	2	Swarna sub-1	43.5	36.2	20.16				5	5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	Varietal evaluation	Corn	Rabi 2012-13	Demonstration of Babycorn Var-Hybrid-HM-4, seed rate - 8kg/ac/spacing 40 x 15cm, fertilization 120:60:60 and other standard practices,	2	HM-4	16.25	35					6	6
Puri	Production of vermin-compost	Vermin-compost	Rabi 2012-13	Technology in vermicomposting using earthworm <i>Eisenia foetida</i> , use of coir waste, produce worm casting to 75% of body weight in 24 hours,vermicast are reached in NPK.	8	<i>Eisenia foetida</i>	1.25						8	8
Puri	Integrated crop management	Groundnut	Rabi 2012-13	Demonstration of package of practices in groundnut, seed treatment with Bavistin, Inoculation with Rhizobium,Gypsum@250 kg/ha,NPK as per soil test, Pesticides as per need	10	TG-38	28.69	19.4	47.90	4			11	15
Puri	Integrated crop management	Green gram	Rabi 2012-13	Demonstration of package of practices green gram, seed treatment ,Inoculation with Rhizobium, NPK as per soil test, Pesticides as per need	10	TARM 1	7.50	5.30	41.90	7			8	15

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	Varietal evaluation	Pointed gourd	Rabi 2012-13	var. Swarna Aloukik with FYM application 225q/ha,NPK@90:60:60 kg/ha	0.08	Swarna Aloukik	256.8	185.4	38.1			03	02	5
Puri	Varietal evaluation	Capsicum	Rabi 2012-13	Seed rate 325g/ha, spacing 45-50x30 cm, NPK 50:75:75 kg/ha with standard package of practices	0.4	California Wonder	110.2	86.5	27.3			05		5
Puri	Varietal evaluation	TC Banana	Kharif 2012	TC banana, pit treatment with furadon 10g, Bavistin 10g , Application of 100kg lime/acre fertilizer application based on STV, spacing 2.5mX2.5m , Need based plant protection measures	0.12	Continuing						05		5
Puri	Varietal evaluation	Potato	Rabi 2012-13	Kufri Surya with NPK@180:80:110kg/ha	0.4	Kufri Surya	267.8	188.5	42.06			05		5
Puri	IPM	Paddy	Kharif 2012	Soil application of Cartap-4G @20kg/ha after 7 DAT & stiching of bioagent T.Chilonis @50000/ha at 7days interval after 21 DAT & need based spraying of Nukil @250ml/ha	1	Sarala	50.83	38	27.07	-	-	-	5	5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	IDM	Brinjal	Kharif 2012	Soil application of T.viride @5kg/ha,Seed treatment with (Carboxin+Thiram) @2.5gm/kg seeds & root dreanching with (Streptocyclin+Ridomil) @2.5 gm/lt water	0.4	Tarini	310	245	26.53	-	1	-	4	5
Puri	IPM	Marigold	Rabi 2012-13	Spraying of Proporzite @2ml/lt at 7days interval	0.5	Serakole	96.9	77.8	24.55	-	-	-	5	5
Puri	IPM	Brinjal	Rabi 2012-13	Soil application of Carbofuran 3G @15kg/ha, Instalation of Wata Trap @20/ha, stiching bioagent T.Chilonis @50000/ha after 21 DAT & need based spraying of Corazin @4ml/10lt	0.4	Teisipur local	311.16	269.2	15.58	-	-	-	5	5
Puri	Production and management	Fishery	Perennial	Demonstration of yearlings production with Stocking fry 60,000/ha with proper pond management	1	Catla, rohu, mrigal	27.0	20.75	30.12				3	3
Puri	Production and management	Fishery	Perennial	Polyculture of IMC with freshwater prawn with stocking catla, rohu, grass carp @ 3,000/ha and <i>M. rosenbergii</i> @ 20,000 PL/ha with proper management practices	1	Rohu, catla, <i>M. rosenbergii</i>	Fish =29.8 Prawn=5.0	22.5	32.44				3	3

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	Production and management	Fishery	Perennial	Demonstration of floating feed in Composite fish culture including Stocking Catla: rohu:mtigal 4:3:3 and feeding floating feed 2-3% body wt. with proper management practices	2	Catla, rohu, mrigal	36.5	27.3	33.69	2			3	5
Puri	Production and management	Fishery	Perennial	Demonstration of Fish cum duck farming includes Scientific pisciculture with duck <i>Khaki Campbell</i> @200-300/ha	1	<i>Khaki campbell</i>	continuing			1			2	3
Puri	Livestock production and management	Azolla	Kharif and Rabi 2012-13	Demonstration of production of Azolla for multiple uses includes preparation of pit 15'x5' with polythene lying and azolla var. <i>Azolla pinnata</i>	10	<i>Azolla pinnata</i>	continuing						10	10
Puri	Livestock production and management	Poultry	Kharif and Rabi 2012-13	Demonstration of banaraja poultry with proper vaccination and nutrient management	11	Banaraja	0.015	0.009	66.7	11				11
Puri	Varietal replacement	Mushroom	Rabi 2012-13	Demonstration of Oyster mushroom cultivation with 2 kg of paddy straw 2-3 inches of straw chopped, polythene bag, boiled wheat 100g/bed	10	<i>Pleurotus sajorcaju</i>	1500							10

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/ Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Puri	Varietal replacement	Mushroom	Kharif 2012	Demonstration of paddy straw mushroom cultivation includes 10 kg straw /bed, 1 bottle quality spawn, disinfection of straw with bavistin 8gm/lit of water, formalin 100ml/100 lit of water, 250 gm besan, 5x5 polythene sheet	10	<i>Volvariella volvacea</i>	960	600	60					10
Puri	Household food security	Nutritional garden	Kharif 2012	Use of high yielding variety of fruits & vegetables	0.1	High yielding	140	70	100					10

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
Puri	Paddy	Demonstration of post emergence application of Almix in transplanted rice @ 20g/ha at 15 DAT to control broad spectrum needs	Yield q/ha	45.2	41.8	28300	30600	48816	45144	20516	14544	1.72	1.47

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
Puri	Paddy	Demonstration of HYV Swarna Sub-I, seed rate 60kg/ha, spacing 20 x 10cm, FYM 10T/ha, fertilization – 80:40:40/2ha	Yield q/ha	43.5	36.2	29300	27000	46980	39096	17680	12096	1.6	1.44
Puri	Corn	Demonstration of Babycorn Var-Hybrid-HM-4, seed rate - 8kg/ac/spacing 40 x 15cm, fertilization 120:60:60 and other standard practices,	Yield q/ha	16.25	35.00	28750	25000	130000	42000	101250	17000	3.52	1.68
Puri	Vermi-composting	Technology in vermicomposting using earthworm <i>Eisenia foetida</i> , use of coir waste ,produce worm casting to 75% of body weight in 24 hours,vermicast are reached in NPK.	Yield q/unit (m ³ /cycle/ 3month)	1.25		1200		3500		2300		2.91	
Puri	Groundnut	Seed TG-38+seed treatment with Bavistin @3gm/kg of seed inoculation with Rhizobium+Gypsum 250kg/ha+soil application of Chloropyriphus 25 kg/ha+NPK@20:30:40 kg/ha(soil test based)+need based pesticides application	Plant population/m ²	38	34	38548	34723	100415	67900	61867	33177	2.60	1.95

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
Puri	Green gram	Seed TARM-1+seed treatment with Bavistin @3gm/kg of seed inoculation with Rhizobium@20 gm/kg of seed+NPK@25:30:20 kg/ha(soil test based)+ZnSO ⁴ @15 kg/ha as based + need based pesticides application	No. of pods per plant	15	10	11000	9500	22500	15900	11500	6400	2.04	1.67
Puri	Pointed gourd	var. Swarna Aloukik with FYM application 225q/ha,NPK@90:60:60 kg/ha	Yield(q/ha)	256.8	185.4	118000	64520	385200	187120	267200	122600	3.3	2.9
Puri	Capsicum	Var. California Wonder with Seed rate 325g/ha, spacing 45-50x30 cm, NPK 50:75:75 kg/ha with standard package of practices	Yield(q/ha)	110.2	86.5	50200	42200	166800	129750	116600	87550	3.3	3.0
Puri	TC Banana	TC banana, pit treatment with furadon 10g, Bavistin 10g , Application of 100kg lime/acre fertilizer application based on STV, spacing 2.5mX2.5m , Need based plant protection measures	Yield (q/ha) Cont.										
Puri	Potato	Kufri Surya with NPK@180:80:110kg/ha	Yield(q/ha)	267.8	188.5	58300	49200	187460	113100	129160	63900	3.2	2.3

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
Puri	Paddy	Soil application of Cartap-4G @20kg/ha after 7 DAT & stiching bioagent T.Chilonis @ 50000/ha after 21 DAT & need based spraying of Nukil @250ml/ha	Yield (q/ha)	50.83	38	23000	22000	50830	38000	27830	16000	2.21	1.72
Puri	Brinjal	Soil application of T.viride @5kg/ha,Seed treatment with (Carboxin+Thiram) @2.5gm/kg seeds & root dreanching with (Streptocyclin+Ridomil) @2.5 gm/lt water	Yield (q/ha)	310	245	68000	66000	217000	171500	149000	105500	3.19	2.59
Puri	Marigold	Spraying of Proporzite @2ml/lt at 7 days interval	Yield (q/ha)	96.9	77.8	48000	45500	121125	97250	73125	52250	2.52	2.16
Puri	Brinjal	Soil application of Carbofuran 3G @15kg/ha,Instalation of Wata Trap @20/ha, stiching bioagent T.Chilonis @50000/ha after 21 DAT & need based spraying of Corazin @4ml/10lt	Yield (q/ha)	311.16	269.2	67600	65550	217812	188440	150212	122940	3.22	2.87
Puri	Fishery	Demonstration of yearlings production with Stocking fry 60,000/ha with proper pond management	Survival (%)	45	32	125215	108743	290500	207700	165285	98957	2.32	1.91

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
Puri	Fishery	Polyculture of IMC with freshwater prawn with stocking catla, rohu, grass carp @ 3,000/ha and <i>M. rosenbergii</i> @ 20,000 PL/ha with proper management practices	Avg. Body weight (kg) of fish and prawn	0.745 0.06	0.562	132723	113982	355700	258740	222977	144758	2.68	2.27
Puri	Fishery	Demonstration of floating feed in Composite fish culture including Stocking Catla: rohu:mrigal 4:3:3 and feeding floating feed 2-3% body wt. with proper management practices	Avg. Body weight (kg)	0.912	0.682	127821	109687	328500	245700	200679	136013	2.57	2.24
Puri	Fishery	Demonstration of Fish cum duck farming includes Scientific pisciculture with duck <i>Khaki Campbell</i> @200-300/ha	No of eggs/year, body wt gain (Kg) continuing	Continuing									
Puri	Azolla	Demonstration of production of Azolla for multiple uses includes preparation of pit 15'x5' with polythene lying and azolla var. <i>Azolla pinnata</i>	Milk production liter continuing	Continuing									
Puri	Poultry	Demonstration of banaraja poultry with proper vaccination and nutrient management	Body wt gain (kg)	0.015	0.009	4543	3800	20925	11475	16382	7675	4.6	3.0

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
Puri	Mushroom	Demonstration of Oyster mushroom cultivation with 2 kg of paddy straw 2-3 inches of straw chopped, polythene bag, boiled wheat 100g/bed	Yield gm/ bed	1500		75		135		60		2.7	
Puri	Mushroom	Demonstration of paddy straw mushroom cultivation includes 10 kg straw /bed, 1 bottle quality spawn, disinfection of straw with bavistin 8gm/lit of water, formalin 100ml/100 lit of water, 250 gm besan, 5x5 polythene sheet	Yield/ bed	960	600					66	30	3.2	2.0
Puri	Nutritional garden	Use of high yielding variety of fruits & vegetables	Yield kg/unit	140	70					3000	1400	1.0	1.8

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Puri	Fishery	Field days	2	100	Farmers adapted application of floating feed due to low FCR, also adapted stocking of yearlings
		Farmers Training	6	150	
		Media coverage	-		
		Training for extension functionaries	-		
Puri	Groundnut	Field days	1	50	The Ground nut varieties of TG-38 comparatively gave more yield than local variety and farmers showed eagerness towards adaptation of the same and benefited from seed treatment.
		Farmers Training	1	25	
		Media coverage	-		
		Training for extension functionaries	-		

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Puri	Greengram	Field days	2	100	The Green gram varieties of TARM - 1 comparatively gave more yield than local variety and farmers showed eagerness towards adaptation of the same and save their crops from YVM disease.
		Farmers Training	2	50	
		Media coverage			
Puri	Backyard poultry	Field days	1	50	Positive response towards backyard poultry farming Positive response towards backyard poultry farming, backyard poultry farming demonstrated
		Farmers Training	2	50	
		Media coverage	-		
		Training for extension functionaries	-		
Puri	Paddy	Field days			Farmers convinced to adopt IPM practices and benefited .
		Farmers Training	2	50	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
Puri	Brinjal	Field days	1	40	Farmers convinced to adopt IPM practices and benefited .
		Farmers Training	3	75	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
Puri	Potato	Field days			After soaking with Dithen M-45 before sowing they got more yield than previous.
		Farmers Training	1	25	
		Media coverage	--	-	
		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.
1	Puri	Babycorn	HM 4	OUAT, 2009	10	2

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
Puri	Baby corn var. HM - 4	Baby corn var. HM – 4 with full package of practices	Cultivation of Baby corn var. HM – 4 found net income Rs.84250. 00 more profit than farmer practice	

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Puri	Application of weedicides quizalofop ethyl in green gram	Post emergence application of quizalofop ethyl @ 1lit/ha	Post emergence application of quizalofop ethyl found yield enhancement of 22.03% over farmer practice.	To be adapted under FLD
Puri	Groundnut var. TG - 38	Full practice and packages	47.9% increase in yield	Positive response of farmers recorded for the variety TG - 38
Puri	Polyculture of fresh water prawn (<i>M. rosenbergii</i>) with IMC	Polyculture of IMC with freshwater prawn with stocking catla, rohu, grass carp @ 3,000/ha and <i>M. rosenbergii</i> @ 20,000 PL/ha with proper management practices	32.44% increase in fish production having BC ratio of 2.68 in recommended practice	Farmers adopted the technology in large scale
Puri	Floating feed	Stocking Catla: rohu:mrigal 4:3:3 and feeding floating feed 2-3% body wt. with proper management practices	Low FCR and high yield	Horizontal spread of the technology is to be done
Puri	Prebiotics feeding	Prebiotics fed @ 20g/day	Milk yield increased along with increase in milk Fat % from 3.9 to 4.5 and SNF % from 7.4 to 7.7	To be adapted under FLD

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Puri	Potato var- Kufri Surya	Potato variety Kufri Surya with recommended package of practices	Farmers got 42.06% higher yield in Kufri Surya than Kufri Jyoti	Recommended to line department for popularization of the variety
Puri	Capsicum variety – California Wonder	Capsicum variety – California Wonder with recommended package of practices	The yield is increased upto 27.3% than farmers practice Farmers got net profit of 1,16,600/- from one ha capsicum	Recommended to line department for popularization of the variety
Puri	Pointed Gourd – Swarna Aloukik	Pointed Gourd – Swarna Aloukik with recommended package of practices	Farmers got an yield of 256.8 q/ha which is 38.1% more yield than local variety	Recommended to line department for popularization of the variety

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Puri	Post emergence application of quizalofop ethyl found yield enhancement of 22.03% over farmer practice.
Puri	Cultivation of Baby corn var. HM – 4 found net income Rs.84250. 00 more profit than farmer practice
Puri	OFT on the effect of prebiotics on milk yield of CB cows showed increased in milk yield along with improved milk FAT and SNF %. As per the versions of farmer health conditions of the animal increased along with lowering in the rate of disease and parasitic incidences. Voluntary feed intake increases in the animal.
Puri	Periphyton based fish farming increases growth rate of rohu and reduces the cost of artificial feed
Puri	Seed treatment with imidaclopid70WS @7gm/kg seeds in Pulses reduces the YVM disease & increased production
Puri	Seed soaked with Dithen M-45 @3gm/kg before planting reduces all the fungal diseases in potato

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

5. 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
Puri	F/FW	PRA, Diagnostic field visit, Group discussion	Dt.24.7.2012, Shamankula, Gop	25
Puri	F/FW	PRA, Diagnostic field visit, Group discussion, farmer's fair	Dt. 28.07.2012, Birabalabhadrapur, Puri sadar block	25
Puri	F/FW	PRA, Diagnostic field visit, Group discussion	Dt.28.8.2012, Balapur, satyabadi block	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt.28.8.2012, Otorokera, satyabadi	25
Puri	RY	Diagnostic field visit, Group discussion	Dt. 18.09.2012, Renghalo, Nimapda block	25
Puri	F/FW	PRA, Diagnostic field visit, Group discussion	Dt. 20.10. 2012, Apila, Puri sadar block	25
Puri	RY	PRA, Diagnostic field visit, Group discussion, Ex-trainees sammelon	Dt. 09.11.2012, Nuasahi, NImapada block	25
Puri	RY	PRA, Diagnostic field visit, Group discussion, Ex-trainees sammelon	Dt. 16.11.2012, Tulasipur, Nimapada block	25
Puri	F/FW	Diagnostic field visit, Group discussion, farmer's fair	Dt.10.10.201 – 11.10. 2012, Jalakabara, satyabadi	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt.19.12.2012, Uttaramalasahi, satyabadi	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt. 22.12. 2012, Sisua, Astaranga block	25
Puri	F/FW	Diagnostic field visit, Group discussion, farmer's fair	Dt. 25.12. 2012, Panchukera, Satyabadi block	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt.2.01.2013, Sisua, astaranga	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt.18.01. 2013, Barakera, Delanga	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt.21.01. 2013, Sahadapada, Nimapada	25
Puri	RY	PRA, Diagnostic field visit, Group discussion	Dt. 28.01.2013, Khandayat sahi, Satyabadi block	25
Puri	F/FW	Diagnostic field visit, Group discussion	Dt. 04.02.2013, Muninda, Satyabadi block	25
Puri	IS	ATMA meeting, DAO conference, bi-weekly review meeting	Dt.26.02. 2013, Satyabadi block	25
Puri	IS	ATMA meeting, DAO conference, bi-weekly review meeting	Dt.15.03.2013, Gop block	25
Puri	IS	ATMA meeting, DAO conference, bi-weekly review meeting	Dt. 18.03.2013, Sagada, Nimapada block	25

Table 5.2. Details of Training programmes conducted by the KVK

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Puri	F/FW	OFC	CRP	Integrated weed management in direct seeded and transplanted paddy	2	1	21	3	2	1			20	3
Puri	F/FW	OFC	CRP	Multiplication and application of biofertilizer in rice	1	1	12	4	2				7	
Puri	F/FW	OFC	CRP	Integrated crop management of rabi groundnut.	1	1	14	5	3				3	
Puri	F/FW	OFC	CRP	Integrated crop management of baby corn.	1	1	13	3	5				4	
Puri	F/FW	OFC	CRP	Integrated weed management in pulse and oilseed.	1	1	12	5	4				4	
Puri	F/FW	OFC	CRP	Scientific method of hybrid rice cultivation.	1	1	15	4	3				3	
Puri	F/FW	OFC	CRP	Package of practice of hybrid napier.	1	1	12	4	2				7	
Puri	F/FW	OFC	CRP	SRI method of rice cultivation.	1	1	14	5	3				3	
Puri	F/FW	ONC	HOV	Scientific method of vegetable seedling raising	1	1	18	0	7	0			0	
Puri	F/FW	OFC	HOS	Scientific method of turmeric cultivation	1	1			5				20	
Puri	F/FW	OFC	HOT	Scientific method of dioscorea and colocasia cultivation	2	2			6				44	
Puri	F/FW	OFC	HOS	Production and management techniques of spices(Ginger & Turmeric)	1	1			7				18	
Puri	F/FW	OFC	HOV	Scientific method of winter vegetable seedling raising	1	2			2				23	
Puri	F/FW	OFC	HOV	Scientific method of Broccoli cultivation	1	1			1				24	
Puri	FW	OFC	HOV	Scientific method of Pointed gourd cultivation	2	2	20	18	5	1			6	
Puri	FW	OFC	HOF	Scientific method of banana papaya cultivation	2	2			4				46	
Puri	RY	OFC	HOV	Scientific method of vegetable seedling raising	2	4			6				44	
Puri	IS	ONC	HOO	Scientific method of Marigold, tuberose cultivation	1	1	21	3	1					
Puri	F/FW	OFC	SFM	Technique of soil sample collection.	1	1	12	4	2				7	
Puri	F/FW	OFC	SFM	Fertilizer recommendation on base of soil test value.	2	2	23	5	4				18	
Puri	F/FW	OFC	SFM	Integrated nutrient management in rice.	2	2	25	4	6				15	
Puri	F/FW	OFC	SFM	Acid soil management.	2	2	24	4	4				18	
Puri	F/FW	OFC	SFM	Soil test campaign.	1	1	13	3	6				3	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants								
							General		SC		ST		Others		
							M	F	M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Puri	RY	OFC	CRP	Production of vermicompost.	1	1	12	5	4					4	
Puri	IS	OFC	CRP	Maximization of yield of rice and pulse.	1	1	10	5	6					4	
Puri	F/FW	OFC	LPM	Rearing and management of backyard poultry	2	2	30	7	7	4				2	
Puri	F/FW	OFC	LPM	Importance of vaccination on disease eradication	2	2	33	7	1					9	
Puri	F/FW	OFC	LPM	Public awareness cum training programme on dairy development	2	3	26	9	15						
Puri	F/FW	OFC	LPM	Role of balanced feed and fodder in dairy management	2	3	45		1					4	
Puri	F/FW	OFC	FIS	Rearing of fry and fingerlings	1	1			2					23	
Puri	F/FW	OFC	FIS	Pond based horticulture farming	1	1	6		3					16	
Puri	F/FW	OFC	FIS	Pre-stocking pond management	2	2	4		2					44	
Puri	F/FW	OFC	FIS	Post- stocking pond management	1	1	3		2					20	
Puri	F/FW	OFC	FIS	Feed preparation and management in fresh water prawn farming	1	1			2					23	
Puri	F/FW	OFC	FIS	Fish cum duck farming	1	2	4							21	
Puri	F/FW	OFC	FIS	Multiple stocking and multiple harvesting in pond culture	1	1			1					24	
Puri	RY	OFC	FIS	Fish culture in community pond	1	2								25	
Puri	F/FW	OFC	FIS	Disease management in fish pond	1	1			6					19	
Puri	F/FW	OFC	FIS	Scientifically fingerlings and stunted fingerlings production	1	2								25	
Puri	F/FW	OFC	FIS	Magur culture in backyard pond	1	1								25	
Puri	IS	ONC	FIS	Hatchery management and culture of fresh water prawn	1	1	3	1	2	2				13	4
Puri	F/FW	OFC	FIS	Hygienically dry fish preparation	1	2		9	2					1	13
Puri	F/FW	OFC	CBD	Leadership development	1	2	6		3					16	
Puri	F/FW	OFC	CBD	Group dynamic in village level organization and formation of members	1	1	2	1						10	12
Puri	F/FW	OFC	CBD	Formation and management in SHG	1	2	21							4	
Puri	F/FW	OFC	CBD	Mobilization of social capital	1	2	19		1	5					
Puri	F/FW	OFC	CBD	Entrepreneurship development of farmers and youth	1	1	16	3	6						
Puri	RY	OFC	CBD	WTO and IPR issue	1	1	19		6						
Puri	RY	OFC	CBD	Entrepreneurship development	1	1	23		2						
Puri	RY	OFC	CBD	Farmer club formation and their management	2	2	45		5						
Puri	RY	OFC	CBD	SHG formation and management	1	1	15		10						
Puri	IS	OFC	CBD	PRA and its applicability	1	2	18	5	2						

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Puri	IS	OFC	CBD	Training need assessment	1	2	13	10	2					
Puri	F/FW	OFC	CBD	IPM in groundnut	1	1	17		8					
Puri	F/FW	OFC	CBD	IPM in green gram	1	1	18		7					
Puri	F/FW	OFC	PLP	IPM in paddy	2	2	22		3					
Puri	F/FW	OFC	PLP	IPM in brinjal	2	2	19		2				4	
Puri	F/FW	OFC	PLP	Wilt management in brinjal	1	2	11		2				12	
Puri	F/FW	OFC	PLP	Disease and pest management in chilly	1	1	3		4				18	
Puri	F/FW	OFC	PLP	Disease and pest management in cabbage and cauliflower	1	1	13	10	2					
Puri	F/FW	OFC	PLP	Groundnut seed treatment awareness programme	1	1								
Puri	F/FW	OFC	PLP	Disease and pest management in potato	1	1	13	10	2					
Puri	F/FW	OFC	PLP	Disease and pest management in groundnut	1	1	16	3	6					
Puri	F/FW	OFC	PLP	Disease and pest management in pulses	1	1	19		1	5				
Puri	RY	OFC	PLP	Vermicomposting in backyard	1	1	15							
Puri	IS	OFC	PLP	Disease and pest management in oilseed	1	1	16	3	6					
Puri	IS	OFC	PLP	Disease and pest management in fruit plants	1	1	17		8					
Puri	F/FW	OFC	PLP	YVM management in okra	1	1	18	5	2					
Puri	F/FW	OFC	PLP	Fruit fly management in cucurbits	1	1	23		2					
Puri	F/FW	OFC	WOE	Safe loss of nutrient while cooking	1	1		4		1				20
Puri	F/FW	OFC	WOE	Importance of balance diet for pregnant and lactating women	1	1		6						19
Puri	F/FW	OFC	WOE	Gender mainstreaming through formation of SHGs	1	1								25
Puri	F/FW	ONC	WOE	Importance of green leafy vegetable in our daily diet	1	1				3				22
Puri	F/FW	ONC	WOE	Nutritional gardening in homestead land	1	2				9				16
Puri	F/FW	OFC	WOE	Income generation through coir rope making	1	1				2				23
Puri	F/FW	OFC	WOE	Nutritional gardening in homestead land	1	2		2						23
Puri	F/FW	OFC	WOE	Storage of foodgrains	1	2		1						24
Puri	F/FW	OFC	WOE	Safe loss of nutrient while cooking	1	2		2		9				14
Puri	F/FW	OFC	WOE	Safe storage of foodgrains	1	2		4						21
Puri	RY	OFC	WOE	Paddy straw mushroom cultivation	1	1		23		2				
Puri	RY	OFC	WOE	Scientific method of oyster mushroom cultivation	1	2		2						23
Puri	IS	OFC	WOE	Gender mainstreaming through formation of SHGs	1	1		3		7				15
Puri	FW	OFC	AEG	Maintenance of micro irrigation system	2	2	25						25	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Puri	FW	OFC	AEG	Maintenance of farm machinery and implements	3	6	20	5	10	7			30	3
Puri	FW	OFC	AEG	Use of plastic in farming system	2	4	12		5				33	
Puri	FW	OFC	AEG	Post harvest technology	2	2		22		18				10
Puri	RY	OFC	AEG	Maintenance of farm machinery and implements	1	2	8		7				10	

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	
Puri	Fry and fingerling rearing	Enterprise	Rearing of fry and fingerlings	5	1					9	
Puri	Bee-keeping-A profitable enterprise	Enterprise	Bee-keeping	5		1		1			8
Puri	Scientific method of commercial floriculture cultivation	Crop	Floriculture	5		1					9
Puri	Value addition of fruits & vegetables	Enterprise	Value addition	5		3					7

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 elsewhere
		Type of units	Number of units	Number of persons employed	
Puri	Rearing of fry and fingerlings	Nursery and rearing ponds	8	22	4
Puri	Bee-keeping- A profitable enterprise	Apiary	5	13	-

Table 5.5. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Puri	Mushroom production	CBD		RY	7	1						Nehru Yuva Kendra	NIL	

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

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)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		

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	
Puri	Management for increasing fertilizer use efficiency in rabi rice	50	45%	75%	42	51	11,000	18,000	1. Area expanded (ha) – 24 2. No of farmers adopted- 24. 3.change in knowledge, production & Income-66.6%21.4%,63.6%
Puri	SRI method of Rice cultivation	50	32	64	35	60	12,000	20,000	1. Area expanded (ha) – 150 2. No of farmers adopted- 28. 3.change in knowledge, production & Income100%, 71.4%, 66.6%
Puri	Weed management in Groundnut	50	26	52	18.6	21.9	34,345	43,135	1. Area expanded (ha) – 56 2. No of farmers adopted- 40. 3.change in knowledge, production & Income-100%,17.7%,25.5%
Puri	Production of organic inputs	50	34	75		41kg/m ³ / cycle	-	3400/yr	1. Area expanded (no) – - 2. No of farmers adopted- 50. 3.change in knowledge-120%,
Puri	Scientific method of Brinjal cultivation	25	56	85	172	225	56,000	72,000	1. Area expanded (ha) – 18 2. No of farmers adopted- 25 3..change in knowledge, production & Income-51%,30.8%,28.5%,
Puri	Scientific method of Chilli cultivation	25	48	67	62	87	52000	78000	1. Area expanded (ha) 16 2. No of farmers adopted- 25 3.change in knowledge, production & Income-39%,40.3%,50%,
Puri	Scientific method of Winter vegetable seedling raising	75	50	95			12000	28000	1. Area expanded (ha) –8 2. No of farmers adopted- 40. 3.change in knowledge, & Income-90%,,130%

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	
Puri	Scientific method of Potato cultivation	60	62	89	170	203			1. Area expanded (ha) – 22 2. No of farmers adopted- 60 3.Change in knowledge, production & Income- 43.5% 19.4%,20.9%,
Puri	Scientific method of Banana, Papaya cultivation	25	44	72	1800 bunches	2000 bunches	62,000	84000	1. Area expanded (ha) 32 2. No of farmers adopted- 25 3.Change in knowledge, production & Income- 63.6%,11.1%,35.4%
Puri	Bio-control of pest and diseases	25	45	82	65	87	25,000	43,000	1.Area expanded (ha) - 53 2. No. of farmers adopted (no.) -23 3. % change in knowledge, production & Income 82.2, 33.84, 72
Puri	IPM in Paddy	13	40	90	42	50	33,600	47,500	1. Area expanded (ha) - 120 2.No. of farmers adopted (no.) - 300 3.% change in knowledge, production & Income 125, 19.04, 41.3
Puri	Mushroom production	50	55	82	.8kg/bed	1.2kg/bed	24/bed	56/bed	1. Area expanded (ha) 2. No of farmers adopted- 50.change in knowledge, production & Income-49%, 50%, 133%.
Puri	Composite fish culture	75	35	80	15	22	65000	104000	1. Area expanded (ha) – 12 2. No of farmers adopted- 38 3.change in knowledge, production & Income- 128%, 31%, 60%.
Puri	Integrated fish farming	50	31	72	23.4	28.7	70,000	1,35,000	1. Area expanded (ha) – 6 2. No of farmers adopted- 20 3.Change in knowledge, production & Income- 132%, 22.6%, 92%,
Puri	Fry and fingerling production	10	41	83	1.1 Lakh/Ha.	1.8 Lakh/Ha.	65,580	98,750	1. Area expanded (ha) – 11 2. No of farmers adopted- 6 3.Change in knowledge production & Income 55%, 63%, 50.5%

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			
Puri	Field Day	23	11	262	87	10	4	29	2	Dissemination of improved technology	Agricultural and allied subjects	Crop maturity stage, Harvesting stage
Puri	Kisan Mela	2	1	352	125	50	23	32	18	Awareness of the technology	New dimensions of sustainable agriculture	Crop stage
Puri	Kisan Ghosthi	10	2	28	12	17	6			Income generation	Livelihood	-
Puri	Exhibition	4	6	3235	111	394	140			Dissemination of improved technology	Latest technology	-
Puri	Film Show	60	8	168	33	26	8			awareness	Agricultural technology	-
Puri	Method Demonstrations	3	3							-	-	-
Puri	Farmers Seminar	1	1							-	-	-
Puri	Workshop	2	0	0	0	0	0	0	0	-	-	-
Puri	Group meetings	40	97	702	79	225	104			Awareness	Agricultural activity	
Puri	Lectures delivered as resource persons	8	7	240	70	49	36			To update the knowledge	Agricultural and allied subjects	-
Puri	Newspaper coverage	15	9	Mass						To highlight KVK programmes	Training, FLD, OFT, Kisan mela	-
Puri	Radio talks	20	08	Mass						Dissemination of improved technology	Agricultural and allied subjects	-
Puri	TV talks	8	06	Mass						Dissemination of improved technology, awareness	Agricultural and allied subjects and KVK activities	-
Puri	Popular articles	10	16	Mass						Awareness	Agricultural and allied subjects and KVK activities	-
Puri	Extension Literature	8	15	Mass						Improved technology	Agricultural and allied subjects	-

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			
Puri	Farm advisory Services	50	253							Dissemination of improved technology, awareness	Agricultural and allied subjects	Different stages of crop
Puri	Scientific visit to farmers field	120	170	540	78	91	37			Field visit	Agricultural and allied activities	Different stages of crop
Puri	Farmers visit to KVK	300	268	160	57	38	13			Field related problems	Agricultural and allied subjects	-
Puri	Diagnostic visits	120	83	273	59	54	12			Field visit	Agricultural and allied activities	Different stages of crop
Puri	Exposure visits	3	4	35		5				-	-	-
Puri	Ex-trainees Sammelan	2								To assess the impact of training	Agricultural and allied subjects	-
Puri	Soil health Camp	5	6	85	15	12	-			-	-	-
Puri	Animal Health Camp	3	3	54	21					Animal health check	Vaccination of animal diseases	-
Puri	Agri mobile clinic	0	0	0	0	0	0	0	0	-	-	-
Puri	Soil test campaigns	4	2	125	28	7	5	0	0	Awareness about soil testing	Agriculture and allied subject	Before field preparation
Puri	Farm Science Club conveners meet	2	6	124		26				Exchange of ideas	Agriculture and allied subject	-
Puri	Self Help Group conveners meetings	2	1		22					Exchange of ideas	Agriculture and allied subject	-
Puri	Mahila Mandals conveners meetings	2	0							-	-	-
Puri	Celebration of important days	7	3	100		20				Dissemination of improved technology, awareness	Agriculture and allied subject	-

7. Production and supply of Technological products

7.1 Planting Material 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
Puri		Tomato	Tanuja	PM	2500	Nos	1000	25
Puri		Cauliflower	Short duration	PM	1000	Nos	500	10
Puri		Capsicum	California wonder	PM	6000	Nos	2400	25
Puri		Brinjal	Teispur local	PM	3800	Nos	1520	12
Puri		Pointed gourd rooted vine	Swarna alouki	PM	310	Nos	2480	18
Puri		Marigold	Serakole	PM	1200	Nos	600	22
Puri		Papaya	Red lady	PM	620	Nos	4100	48

7.2 Seed 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	
Puri	Cereals	Paddy	26.6.12	7.12.12	5.0	Ranidhan	F	211.20	169585	483648	
Puri	Cereals	Paddy	20.6.12	26.12.12	2.0	Varshadhan	F	54.00	67834	123660	Expected
Puri	Cereals	Paddy	24.6.12	14.12.12	6.0	Pooja	F	249.00	203502	570210	Expected

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
	BIOAGENTS vermi				
	BIOFERTILIZERS vermicompost				
	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Buffalo						
	Sheep and Goat						
	Poultry						
	Fisheries						
	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : NO
 Year of establishment : -

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Puri	Soil Sample	55	55	15		
Puri	Water Sample	25	25	8		

9. Rainwater Harvesting, if available.

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

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Puri	54	1005		Plant protection measures of paddy, vegetable crops, seed treatment in field crops, micro-nutrient application in field & vegetable crops

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Puri	13.09.2012	30	<ol style="list-style-type: none"> 1. To take comparative study of different greengram varieties and steps to be taken for popularization of summer greengram var. SML-668. 2. Bio control measures to be taken for all vegetables and crops. 3. Spread of variety Sarala, Puja, Durga, Varsa, Pratikshya, Hansaswari to the flood prone area of district. 4. Practice of INM in different crops to be popularized and success story to be circulated to all the departments through newsletter 5. Popularization of sitting type coconut dehusker among the SHGs of district. 6. Emphasis to be given for second green revolution, Pulse-rice, rice-vegetable, IFS cropping system in large scale. 7. Popularization of value addition of mushroom and impart more training. 8. Leaflets to be published for YMV disease.

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
	Type	Title	Author's name	Number of copies
Puri	Quartely	NilachalaKrushi Barta	A Das, S. Paramguru, S.Paricha, B. Mishra, S. Baral, S. Sahu	500
Puri	Quartely	NilachalaKrushi Barta	A Swain, S. Paramguru, S.Paricha, B. Mishra, S. Baral, S. Das	500

12.2 Details of Electronic Media Produced

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

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper	2				
Technical bulletins	1				
Technical reports	12				
Popular article	11				Mass coverage
News paper coverage	9				Mass coverage
Year Planner	1				50
Others (pl. specify)					

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
Puri	ATMA		5,00,000		PURI district	Awaiting approval
Puri	MNREGA					
Puri	NHM					
Puri	RKVY	State	90,000	Monitoring	PURI district	
Puri	DRDA					
Puri	Zila Panchyat					
Puri	Seed Village					
Puri	NAIP					
Puri	Climate Change					
Puri	Others (Plz. Specify)					

14. Utilization of Farmers Hostel: Not established

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)

15. Utilization of Staff Quarters: Not established

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

16. Details of KVK Agro-technological Park – Not established

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.)

b) Details about Technology Park

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

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	Puri	Sanjit Mohanty	Mushroom cultivation	Jaisapatna, pipli
2	Puri	Ullash kandi	Diary based farming system	Tatata, Block- Kakatpur, Ph. No. 9178958366
3	Puri	Samar Singh	Farm mechanization	Gop, Ph. No. 8895996166
4	Puri	Bhabani Mohanty	Vermicompost	Gokulpur, Block- Kakatpur ph. No. 9938948088
5	Puri	Sukanti Behera	Pond based farming system	Khirikhia, Nimapada ph. No- 9040383465
6	Puri	Satrugana Panda	Fish farming	Jadupur, Kakatpur, ph. No. 9556042369
7	Puri	Hadubandhu Sahoo	Vegetable based farming system	Satasankha, 9337282374
8	Puri	Banamali Pradhan	Pointed gourd cultivation	Dumukipur 9778688535
9	Puri	Aparti Mohapatra	Vegetable cultivation	Pariputuli, 9861016137
10	Puri	Ramesh Ch. Behera	Brackish water prawn culture	Beguniabasta, Astaranga, 9937769200

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
KVK, PURI	4	6	43	12

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

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

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Jagatsinghpur	Paddy seed	Mutual help making the activities easier
2	Khurda	Farmer's fair	Facilitation of sharing of technology

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Puri	Dr. A.P Dwivedi, Sr. Scientist, Agronomy, ZPD, Jabalpur	7.4.12	Expressed his Satisfaction over KVK activities
Puri	1. Dr. Punjab Singh, Former Director General, ICAR, New Delhi 2. Dr W.S.Dhillon, Director PNPTC, PAU campus, Ludhiana 3. Dr G.Singh, Ex-Director, CIAE, Bhopal, VCRKAI University, Bhopal	27.5.12	Lot of scope for agriculture revolution
Puri	Dr. Gautam Kallou, Ex-Vicechancellor, JVKVV Ex-DDG, Horticulture and crop science	27.7.12	Best service to the farmer

Name of KVK	Name of Visitor	Date of Visit	Remarks
Puri	Dr Anupam Mishra, ZPD, Zone-VII, Jabalpur, M.P	30.7.12	All discipline are advised to follow proper extension approach
Puri	1.Prof. Chandramani Khanda, HUB, IRRI (Odisha branch) 2.Dr Ravikanta, Training Officer, OMMYT, N Delhi 3.Dr Fiank Mussnug, Soil Scientist, IRRI, NewDelhi 4.Dr Shaik N.Meera, Research Fellow, IRRI	30.10.12	
Puri	1.Dr. G.K.Mishra, Asst. Professor, Veterinary, Gynecology, Chhatisgarh 2. Dr (Mrs.) Rukmani Dewangan, Asst. Professor, Veterinary, Surgery, Chhatisgarh	20.12.12	He expressed his satisfaction over the veterinary activities in the KVK, Puri
Puri	Prof. Prafulla Kumar Das, Dean, Dean of Research OUAT, Bhubaneswar	09.03.13	
Puri	Prof. Sankarsan Nanda Dean, DEE, OUAT, BBSR	10.3.13	

23. Status of KVK Website: Hosted during March 2012

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Puri	April 2012	17	1514

24. Status of RTI : N/A

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

25. E-CONNECTIVITY (ERNET Lab) : Not established

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			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Puri	Gosthies	3	45	Paddy seed production
	Lectures organized	5	75	Scientific management of vegetable crops, INM, IPM, IWM, Integrated Fish Farming
	Exhibition	1	Mass	Various technologies
	Film show	7		
	Fair			
	Farm Visit	2	20	IFS models
	Diagnostic Practical's			
	Distribution of Literature (No.)	4	100	Various publications from Puri KVK
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings (No)			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps to be organized

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

Seed distribution in drought hit states

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

Seedlings and Saplings to be 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

Vermis Produced

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

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and 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

28. Proposal of NICRA

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)

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Puri	30356069907	121549	225847	225847

31. Awards & Recognitions

KVK Name	Name of award / awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Puri	KRUSHAK BANDHU	INDIVIDUAL	ORISSA KRISHAK SAMAJ	

32. Case study / Success Story to be developed – Two best only in the following format**Case study: MUSHROOM CULTIVATION – AN INNOVATIVE APPROACH**

Name and address of the farmer : Mr. Sanjit kumar mohanty
Village : Jaisapatna
Block : pipili

Sanjit kumar mohanty is a young innovative farmer of Jaisapatna village having keen interest in adopting modern agriculture technology. Puri district is a famous for Paddy, Betelvine and Fishery cultivation. He is keen to learn Mushroom production technology. He was given special training on paddy straw mushroom cultivation and on quality spawn production at CTMRT, O.U.A.T. Bhubaneswar and then he established a successful spawn production unit and value added products. Few years back, he attended many research Institute like I.C.A.R, New Delhi. He had the knowledge of cultivation of mushroom with bundled straw which is not available in the district. He failed in the enterprise for this reason. But with inception of KVK at Sakhigopal which is only 27 Kms away from Jaisapatna he contacted the Scientists of KVK and

expressed his interest in mushroom cultivation. With KVK intervention demonstration of 10 beds of paddy straw mushroom was done with loose straw (Tractor Threshed). The innovative techniques of different methods of placement of spawn, different straw-spawn ratio as well as soaking Hrs. (instead of 12 hrs it is 8 hrs) were applied in different beds and results were unbelievable. He got as high as 2 Kg/bed which attracted Scientists of Research institute, present at Bhubaneswar to visit his farm. Highly inspired and motivated by the intervention of KVK, last year he cultivated mushroom for 2 months @ 10 beds per day and got 10 kg of mushroom per day. This earned Rs. 600/- profit per day for 2 months excluding his family labour. The tremendous market demand of mushroom in Puri district and the sustained interest of Jaisapatna made him a successful innovative mushroom grower. Recently, he was visited Malaysia to express his views about Mushroom production technology to the farmers and scientists in Western Development Agriculture Institute, Malaysia and got an award of “MAN OF MUSHROOM” with a cash prize of one lakh rupees only. Now he is convinced that mushroom cultivation is highly successful enterprise. So he is planning to set up and expand the unit in which he can prepare at least 10-25 bed/day. KVK Scientist regularly visit his farm. To add, other farmers were also taken to Jaisapatna farm for exposure visit. Even the media (Doordarshan, Puri) prepared success story and telecast for popularity of the enterprise in the district. The success as he claims is mostly due to the scientists of KVK,Puri and O.U.A.T, Bhubaneswar (Odisha)

Success Story: An innovative technology in polyculture

Sri Nabakishor Pani

Village: Barakera, P.O: Muninda, Dist: Puri

Mobile: 9938749226

Pisciculture is an important livelihood activity for economic upliftment of farmers in puri district. The success of fish farming mostly depends on stocking of good quality fingerlings/yearlings in required density, ratio, feeding and water quality management. During diagnostic survey to village Barakera of Delanga block, the scientists of KVK Puri came in contact with some fish growers of the village. The farmers discussed their problems regarding low production of fish. They are stocking fry without maintaining proper stocking density and ratio. Also farmers are not applying artificial supplementary feed. Water quality is not properly maintained by most of the farmers.

Sri Nabakishore Pani of Village – Barakera, Block – Delanga has practiced Indian major carps in his 0.75 acre pond area. He was interested for prawn culture along with fish. He was trained about polyculture practice in a training conducted by the fishery scientist of KVK. During the training through feedback it was planned for a demonstration of polyculture practice in the Delang Block of Barakara village. In the demonstration pond instead of Mrigal freshwater prawn was stocked. Grass carp was stocked to utilize the aquatic vegetation of the pond. Instead of post larvae (PL) of fresh water prawn the PL was converted to juveniles by stocking the PL in a confined happa within the same pond. In the happa the PL to become juveniles sufficient hide outs in plastic pipe put in the happa to avoid cannibalism. High protein pelleted commercial feed given to PL. After PL became juveniles the happa was opened in the same pond so that the juveniles will come over to the main open pond.

Proper feeding management with GNOC and rice bran at equal proportion (1:1) for fishes and pellet feed for prawn @ 5-2 % body weight is suggested to practice. Sampling was done in every month and the growth (gm) and length (cm) were measured. From sample netting it was observed that the average growth rate of Catla is 1.2 kg, Rohu is 0.7kg, grass carp is 1.4 kg and prawn is 70gms after 8 months of stocking.

Practical utility of innovation

By practising the above technology he could be able to reduce the mortality rate of prawn hence got high return. Sri Pani invested Rs.70,000/- per acre and got gross income of Rs.1,50,000/- having a net profit of Rs.80,000/- per acre

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	Puri	6	2

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)