ANNUAL PROGRESS REPORT

April 2013 to March 2014

KVK GAJAPATI

R. Udayagiri – 761016

Orissa University of Agriculture and Technology,
Bhubaneswar.

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	**21**	241	
	On Going OFT	**4**	20	
	Technologies assessed (Completed OFT)	**7**	91	
	Technologies refined	**-**	-	
	On farm trials conducted	**11**	111	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	21	115	
	On Going Frontline demonstrations	5	30	
	FLDs conducted on crops	8	133	
	Area under crops (ha.)	35.2	133	
	FLD on farm implement and tools	-	-	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	2	110	
	FLD on Fisheries - Finger lings	4	20	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	2	20	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	4	25	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	21	21	525
	Farm women	5	5	125
	Rural youth	5	9	80
	Extension personnel/ In service	2	2	30
	Vocational trainings	-	-	-
	Sponsored Training	-	-	-
	Total	33	37	760
		No. of programmes	**Participants**	
4	**Extension Programmes**	6	991	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	-	-	
	Planting material produced (nos.)	56037	675	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	1100	110	

7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	1000	-	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**-**	-	
	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.)	7	3500	
	KVK News letter	2	1000	
	SAC Meetings conducted	1	30	
	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)	200	62826	
	Convergence programmes	1	836	
	Sponsored programmes	-	-	
	KVK Progressive Farmers interaction	2	10	
	No. of Technology Week Celebrations	1	346	
	Attended HRD activities organized by ZPD	1	1	
	Attended HRD activities organized by DES	11	5	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	1	1	
9	Current status of Revolving Funds (Amt. in Rs.)		90477	
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	7	253	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	1	7	48
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	4	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	-	-	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	57	57	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	-	
16		**Filled**	**Vacant**	
	Staff Position	8	8	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	9		
18	Publication received from ICAR /other organization (nos.)	5		
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	Cycolne Phailin 10th and 11th OCT 2013, Flood 20th to 25th Oct 2013	ZPD & SAU	

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on 31 st 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
KVK GAJAPATI	16	1	1	6	2	3	1	6	4	16	8

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
GAJAPATI	Programme Coordinator	Dr. Mrs. Susmita Mohanty	Home Science	Ph.D	FRM	15600-39,100	16310	01.09.2012	Permanent	Others
	Subject Matter Specialist1	Mrs. Shradhanjali Mohapatra	Home Science	Ph. D.	Textile	15600-39,100	21390	09.12.2013	Permanent	Others
	Subject Matter Specialist2	Mr. Sandeep Mohanty	Plant Protection	M.Sc. (Ag.)	Plant Protection	15600-39,100	16250	30.08.2012	Permanent	Others
	Subject Matter Specialist3									
	Subject Matter Specialist4									
	Subject Matter Specialist5									
	Subject Matter Specialist6									
	Programme Assistant									
	Farm Manager									
GAJAPATI	Computer Programmer	Mr. Sanat Kumar Meher	Computer	BCA		9300-34,800	9710	01.12.2012	Permanent	OBC
	Accountant / superintendent									
	Stenographer									
GAJAPATI	Driver	Mr. Sampada Kumar Sethy		+2		5200-20,200	6600	01.08.07	Permanent	Others
GAJAPATI	Driver	Mr. Ranjan Kumar Pattnaik		+2		5200-20,200	6110	01.03.11	Permanent	Others
GAJAPATI	Supporting staff	Mr. Prakash Gouda				4440-7440	5580	20.12.07	Permanent	Others
GAJAPATI	Supporting staff	Mr. Rama Chandra Behera				4440-7440	5180	31.07.08	Permanent	Others

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
GAJAPATI	NEGZ	7	129	577817	262537	577817	62362	1.25ha

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)
GAJAPATI	Tabarda	2007	Nuagada	21	350	93
GAJAPATI	Sundurba	2008	Nuagada	38	384	102
GAJAPATI	Souri	2009	Mohana	37	330	85
GAJAPATI	Phatachanchada	2009	R. Udayagiri	42	278	64
GAJAPATI	Lobarsing	2010	Mohana	09	346	68
GAJAPATI	Chadhipada	2010	R. Udayagiri	21	242	72
GAJAPATI	Rajpur	2012	Gosani	43	1558	263
GAJAPATI	Makapada	2012	R-Udayagiri	18	480	120
GAJAPATI	Parimala	2012	Nuagada	20	628	140

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

KVK Name	THRUST AREA
GAJAPATI	Varietal replacement with high yielding varieties
GAJAPATI	Organic cultivation
GAJAPATI	Integrated Nutrient management
GAJAPATI	Scientific seed production
GAJAPATI	Integrated pest management
GAJAPATI	Seed and seedling treatment
GAJAPATI	Scientific storage methods
GAJAPATI	Value addition and preservation
GAJAPATI	Crop diversification
GAJAPATI	Mushroom cultivation
GAJAPATI	Scientific graft/gootee production
GAJAPATI	Apiculture
GAJAPATI	Improved pest management

GAJAPATI	Intercropping
GAJAPATI	Varietal replacement
GAJAPATI	Irregular bearing of fruit
GAJAPATI	Fruit production technology
GAJAPATI	Acid soil management
GAJAPATI	Composting
GAJAPATI	Crop diversification
GAJAPATI	Natural Resource management
GAJAPATI	Entrepreneurship development
GAJAPATI	Integrated weed management
GAJAPATI	Production technology

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
GAJAPATI	Use of traditional varieties and practices leading to low productivity, low rate of seed replacement, Indiscriminate use of fertilizers, poor irrigation management, Indiscriminate use of pesticide and fungicide, lack of knowledge in improved farm implement, Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil	Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments,	Rajpur, Batisirpur, Talarsingh Block : Gosani
GAJAPATI	Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil, Low use of fertilizers, Yield loss due to insect pest and diseases, Weed problem, Shortage of quality seeds, Traditional varieties, Low fish yield due to improper management of community and farm pond	Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments,	Garibandh, K.Sitapur Block : Kashinagar
GAJAPATI	Use of traditional varieties and practices leading to low productivity , Unstable yield due to high weed problem at an early stage in maize, Low income due to lack of crop diversification with high value crop, Improper management of cashew orchards, un employment problem of rural youths, Un availability planting material and lack of knowledge about scientific method of cultivation. Low yield from Desi cow, Low body weight of desi birds, Under utilization of paddy straw, Improper utilization of family labour and home stead lands,	Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments,	Makapada, Phatachanchada, Block : R-Udayagiri

	Little knowledge about fertilizer doses, lack of knowledge in improved farm implement, Low spread of oyster mushroom due to substrate unavailability and poor economic status of the house holds due to no additional income of marginal and landless farmers, Low income of traditional farm women involved in backyard poultry, High drudgery and low efficiency of farm women involved in maize shelling manually, weeding and ridge making in vegetable cultivation, Grain loss due to infestation		
GAJAPATI	Unscientific inter cultural practices improper nutrient management and plant protection leading to die-back, Low unavailability and low yield due to heavy incidence of leaf curl & mosaic viral diseases, Lesser fruit size and yield due to no manuring and fertilization, Poor and unstable yield due to traditional variety and traditional management practices, Yield reduction due irregular bearing habit & heavy fruit drop at pre harvest stage, Low spread of oyster mushroom due to substrate unavailability and poor economic status of the house holds due to no additional income of marginal and landless farmers, Low income of traditional farm women involved in backyard poultry, High drudgery and low efficiency of farm women involved in maize shelling manually, weeding and ridge making in vegetable cultivation, Grain loss due to infestation	Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments,	**Saralapadar, Tabarada, Sundurba, Parimala, Atarsingh Block : Nuagada**
GAJAPATI	Use of traditional varieties and practices leading to low productivity, low rate of seed replacement, Indiscriminate use of fertilizers, poor irrigation management, Indiscriminate use of pesticide and fungicide, lack of knowledge in improved farm implement, Low yield in rice due to heavy incidence of sheath blight, Low yield due to cultivation of traditional varieties (lalat), Low income due to traditional method of fish culture, Low organic matter content in the soil	Group discussion, PRA, Benchmark surveys Farmer-Scientist interaction, Focus group discussion, Joint Diagnostic field visit , Feedback from farmers, feedback from Line departments,	**Saouri, Labarsingh, Gobindpur Block : Mohana**

2. On Farm Testing

Note-

*** Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**

***Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.**

***Don't press enter key to navigate among column use arrow or tab key**

***don't add space before or after statement within the table cell**

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)	
Gajapati	2013	Kharif	Low yield in rice due to BPH incidence.	Assessment of biprofezin for management of BPH in rice.	Assessment	Integrated pest management	Rice	Rainfed medium land	13	26.7	38.2	7100	16300	Biprofezin may be used to control BPH incidence in rice.
Gajapati	2013	Kharif	Low income due to traditional maize cultivation	Assessment of Sugar 75 sweet corn maize variety.	Assessment	Varietal evaluation	Sweet corn	Rainfed upland	13	12.3	14.1	-700	3200	Traditional maize varieties may be replaced with Sweet corn Var Sugar 75 for beeter income.
Gajapati	2013-14	Rabi	Low yield due to fungal diseases of ground nut.	Assessment of IDM of Collar rot disease in ground nut.	Assessment	Integrated disease management	Ground nut	Irrigated Medium land	13	12.1	18.5	14550	23200	Meatalaxyl+ mancozeb may be used to control Collar rot disease in ground nut
Gajapati	2013-14	Rabi	Low yield due to high infestation of leaf minor in tomato.	Assessment of Trizophos 40 EC and Cryomaicine 75 WP against control of leaf minor in Tomato.	Assessment	Integrated disease management	Tomato	Irrigated Medium land	13	171.7	226.3	85500	113000	Trizophos 40 EC and Cryomaicine 75 WP May be used to control leaf minor in tomato

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)	
Gajapati	2013	Kharif	Low utilization and feed loss in traditional feeding method	Assessment of floating fish feeds in pisciculture	Assessment	Feed management	Pisciculture	Rain fed lowland	5	17.3	28.2	112450	183300	Use of floating feed reduces feed loss and enhances fish yield and reduces FCR
Gajapati	2013	Kharif	Low fish yield due to lower growth rate of mrigal, and rohu	Assessment of Pangassiodon hypothalamus as supplementary stocking for more income	Assessment	Production management	Pisciculture	Rain fed lowland	5	18.6	30.1	120900	195650	Culture of Pangassius along with carps increases over all production level and improves BC ratio
Gajapati	2013	Kharif	Imbalance in micronutrients leading to, higher FCR, low growth rate and fish yield	Assessment of Micronutrients on yield enhancement in Pisciculture	Assessment	Production Management	Pisciculture	Rain fed lowland	5	16.7	29.4	108550	191100	Use of Micronutrients helps in better plankton production, reduces FCR and enhances fish yield
Gajapati	2013	Kharif	Low yield due to less plankton production owing to turbidity in new ponds	Assessment of RCD in controlling turbidity in new fish ponds	Assessment	Production Management	Pisciculture	Rain fed lowland	5	15.1	24.8	98150	161200	RCD coagulates the suspended solid material and helps in sedimentation. RCD enhances the pond fertility and total yield.

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)
Gajapati	Assessment of biprofezin for management of BPH in rice.	Yield q/ha	26.7	38.2	20200	23400	-	27300	39700	-	7100	16300	-	1.35	1.70	-
Gajapati	Assessment of Sugar 75 sweet corn maize variety.	Yield q/ha	12.3	14.1	13100	25000	-	12400	28200	-	-700	3200	-	0.94	1.13	-
Gajapati	Assessment of IDM of Collar rot disease in ground nut.	Yield q/ha	12.1	18.5	27200	33100	-	41750	56300	-	14550	23200	-	1.53	1.70	-
Gajapati	Assessment of Trizophos 40 EC and Cryomaicine 75 WP against control of leaf minor in Tomato.	Yield q/ha	171.7	226.3	58700	65400	-	144200	178400	-	85500	113000	-	2.45	2.73	-
Gajapati	Assessment of floating fish feeds in pisciculture	Yield (q/ha)	17.3	28.2	74600	84900	-	187050	268200	-	112450	183300	-	2.51	3.16	-
Gajapati	Assessment of Pangassiodon hypothalamus as supplementary stocking for more income	Yield (q/ha)	15.6	30.1	78100	90300	-	199000	285950	-	120900	195650	-	2.59	3.17	-
Gajapati	Assessment of Micronutrients on	Yield (q/ha)	16.7	29.4	77300	88200	-	185850	279300	-	108550	191100	-	2.40	3.17	-

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)
	yield enhancement in Pisciculture															
Gajapati	Assessment of RCD in controlling turbidity in new fish ponds	Yield (q/ha)	15.1	24.8	69400	78300	-	167550	239500	-	98150	161200	-	2.41	3.05	--

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
Gajapati	2013	Kharif	High cost of Bengal gram powder	Assessment of paddy straw mushroom cultivation using rice bran as feeding material	Assessment	Mushroom production	Paddy straw mushroom cultivation using rice bran as feeding material	Paddy straw mushroom (Volvarea Volvacae)	-	13	Paddy straw mushroom with rice bran as feeding material is economically viable.
Gajapati	2013-14	Rabi	Low efficiency and drudgery involved in manual threshing of sun flower	Assessment of sunflower thresher for drudgery reduction of farmwomen	Assessment	drudgery reduction	Use of sunflower threshers	Yield : 20 kg /hr Energy : 16 kj/hr	Rainfed upland	5	Use of sun flower treasure reduces drudgery about 20% and increases efficiency to 5 times

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/ min.		WHR pulse/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		
Gajapati	Assessment of paddy straw mushroom cultivation using rice bran as feeding material	-	-	-	-	-	-	-	-	-	-	1 kg/ bed	0.91 kg/ bed	Rs.38 /- bed	Rs.30 /-	102	97	-	-	-	-	-	4.23
Gajapati	Assessment of sunflower thresher for drudgery reduction of farmwomen	2	12.6	1163	9.08	128	112	-	21.92	-	530 %	-	-	-	-	-	-	-	-	-	-	-	-

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Gajapati	Biprofezin may be used to control BPH incidence in rice.
Gajapati	Traditional maize varieties may be replaced with Sweet corn Var Sugar 75 for beeter income.
Gajapati	Meatalaxyl+ mancozeb may be used to control Collar rot disease in ground nut
Gajapati	Trizophos 40 EC and Cryomaicine 75 WP May be used to control leaf minor in tomato
Gajapati	Use of floating fish feed reduces FCR by 24% as compared to traditional feeds & feeding methods.
Gajapati	Use of RCD in turbid pond helps in two ways-it coagulates the suspended solid material to settle down easily by gravity and increases pond fertility.
Gajapati	Use of Micronutrients increases pond fertility and promotes plankton production which enhances fish yield.
Gajapati	Incorporation of *Pangassius* along with carps increases production level and extra income.
Gajapati	Use of rice bran as feeding material in paddy straw mushroom cultivation lowers the cost of cultivation.
Gajapati	Use of sunflower thresher increase efficiency 5 times.

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
Gajapati	Mango	INM	Use of zibralic acid against mango fruit drop	Demonstration, Training, Field Day, GD, Leaf Let	87	138	92
Gajapati	Cabbage	IPM	Use of Spinosad against DBM in Cabbage	Demonstration, Training, Field Day, GD	46	352	160
Gajapati	Rice	IDM	Use of tricyclazole and validamycine for management of blast and sheath blight	Demonstration, Training, Field Day, GD	17	100	20
Gajapati	Tamota	IDM	Use of bio pesticide for management of yield and tamato	Demonstration, Training, Field Day, GD	21	49	7
Gajapati	Pisciculture	Production management	Mixed fish farming with freshwater prawn	Demonstration, Training, Field Day, GD	15	121	3
Gajapati	Pisciculture	Production management	Composite pisciculture	Demonstration, Training, Field Day, GD	43	245	205
Gajapati	Pisciculture	Feed management	Feed management in fish ponds	Demonstration, Training, Field Day, GD	51	165	407
Gajapati	Pisciculture	IFS	Pond based IFS	Demonstration, Training, Field Day, GD	11	13	10.0
Gajapati	Poultry	Income generation	Backyard rearing of Giriraj poultry	Demonstration, Training, Field Day, GD	27	290	1240
Gajapati	Oyster mushroom	Income generation	Cultivation of oyster mushroom on paddy straw	Demonstration, Training, Field Day, GD, literature	23	346	2440 beds
Gajapati	Greengram	ICM	FLD on pulses (Greengram Var.PDM-139)	Demonstration, Training, Field Day, GD, Leaf Let	18	284	113.6
Gajapati	Groundnut	ICM	FLD on Oilseed (Ground nut var. TMV-2)	Demonstration, Training, Field Day, GD, Leaf Let	25	232	94

4

Note-

*** Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**

***Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.**

***Don't press enter key to navigate among col use arrow or tab key**

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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
Gajapati	2013	Kharif	Integrated Pest Management	Demonstration on IPM for plant hoppers in rice	Rice	Swarna.	2	31.2	43.5	39.4	-	13	-	-	13
Gajapati	2013	Kharif	Integrated Pest Management	Demonstration on IPM for YMV in okra.	Okra	Mahyco – 10	0.2	99.8	128.6	28.8	-	13	-	-	13
Gajapati	2013-14	Rabi	Integrated Disease Management	Demonstration on Thiophorate in management of powdery mildew in Green gram	Green gram	TARM – 2	1	7.65	9.87	29.0	-	13	-	-	13
Gajapati	2013--14	Rabi	Integrated Pest Management	Demonstration on IPM for management of hopper & fruit borer in Mango.	Mango	Amrapalli	2	Continue	-	-	-	13	-	-	13
Gajapati	2013-14	Rabi	Crop Management	Demonstration on Hybrid sunflower cultivation	Sunflower	Arjun 48	5	Continue	-	-	-	13	-	-	13
Gajapati	2013-14	Rabi	Crop Management	Demonstration on hybrid black gram cultivation	Black gram	PU - 39	5	6.62	10.21	54		13			13
Gajapati	2013	Kharif	Crop Management	Demonstration on hybrid maize cultivation	Maize	Super 36	10	10	Phailin has caused 100 % damaged to maize crop at harvesting stage	-	-	13	-	-	13
Gajapati	2013	Kharif	Crop Management	Demonstration on Hyv. Ragi Cultivation	Ragi	Bharabi	10	6.2	15.	74	-	26	-	-	26
Gajapati	2013	Kharif	Production management	Demonstration on probiotics for better survibility, growth and yield in fish	Pisciculture	Composite fish species	2	18.1	27.5	51.9		5			5
Gajapati	2013-14	Kharif & Rabi	Feed management	Demonstration on pelleted feeding in Composite pisciculture	Pisciculture	Pelleted feed/IMC	2	17.9	28.3	58.1		5			5
Gajapati	2013-14	Kharif & Rabi	Production management	Demonstration on humic acid for increasing primary production in community fish ponds	Pisciulture	Humic acid, Oil cake, RB	2	17.8	27.1	52.2		5			5
Gajapati	2013-14	Kharif & Rabi	Production management	Demonstration on fingerling production in seasonal tanks	Pisciulture	Composite fish fry	2	5.3	8.4	58.5		5			5

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)
Gajapati	Demonstration on IPM of plant hoppers in rice	Rice	Yield- qtl/ha, % of pest incidence	28.8 32.5%	36.5 6.3%	22500	26200	28400	36100	10200	20900	1.26	1.38
Gajapati	Demonstration on IPM for YMV in okra.	Okra	Yield – qtl/ha., % of disease incidence	99.8 42.1%	128.6 11.3%	39400	43200	99280	120360	59880	77160	2.51	2.78
Gajapati	Demonstration on Thiophorate management of powdery mildew in Green gram	Green gram	Yield – qtl/ha., % of pest incidence	7.65 27.9%	9.87 5.3%	30600	35900	42075	54285	11475	18385	1.37	1.51
Gajapati	Demonstration on IPM for management of hopper & fruit borer in Mango.	Mango	Yield – qtl/ha., % of disease incidence	Continue	-	-	-	-	-	-	-	-	-
Gajapati	Demonstration on Hybrid sunflower cultivation	Sunflower	Yield- qtl/ha, % of pest incidence	Continue	-	-	-	-	-	-	-	-	-
Gajapati	Demonstration on hybrid black gram cultivation	Black gram	Yield – qtl/ha., % of disease incidence	6.62	10.21	9820	11400	19860	30630	10040	19230	2.02	2.68
Gajapati	Demonstration on hybrid maize cultivation	Maize	Yield – qtl/ha., % of pest incidence	10	Phailin has caused 100 % damaged to maize crop at harvesting stage	-	-	-	-	-	-	-	-
Gajapati	Demonstration on Hyv. Ragi Cultivation	Ragi	Yield – qtl/ha., % of disease incidence	6.2	15.	7200	10800	15880	40800	8680	30000	1.21	3.13
Gajapati	Demonstration on probiotics for better survibility, growth and yield in fish	Pisciculture	Yield – qtl/ha.	18.1	27.5	77300	82500	194950	261250	117650	178750	2.52	3.16
Gajapati	Demonstration on pelleted feeding in Composite pisciculture	Pisciculture	Yield – qtl/ha.	17.9	28.3	79100	89900	195450	273850	116350	183950	2.47	3.04
Gajapati	Demonstration on humic acid for increasing primary production in community fish ponds	Pisciulture	Yield – qtl/ha.	17.8	27.1	76500	81300	192200	257950	115700	176150	2.51	3.17
Gajapati	Demonstration on fingerling production in seasonal tanks	Pisciulture	Yield – qtl/ha.	5.3	8.4	22300	29,400	56750	110000	34450	80600	2.54	3.74

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
Gajapati	2013 - 14	Rabi	Income generation	Low yield of egg and meat due to rearing desi bard	Demonstration on Banaraja poultry in backyard.	Poultry bird	Banaraja	Backyard	100 birds	10
Gajapati	2013 - 14	Rabi	Mushroom cultivation	Poor economic status due to seasonal unemployment	Demonstration on oyster mushroom cultivation using maize stalk	Mushroom	Oyster mushroom (Pleurotus Sajar Caju)	Home stead	100 beds	10
Gajapati	2013 - 14	Rabi	Drudgery reduction	Low efficiency and drudgery involving in manual weeding	Demonstration on wheel finger weeder for drudgery reduction.	Use of wheel finger weeder	Vegetable	Medium land	0.2 ha	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.		WPR 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		
Gajapati	Demonstration on Banaraja poultry in backyard.	-	-	-	-	-	-	-	-	-	-	Egg – 60 Meat- 1.75/year	Continu…	-	-	-	-	-	-	-	-	-	-
Gajapati	Demonstration on oyster mushroom cultivation using maize stalk	-	-	-	-	-	-	-	-	-	-	1.5 kg/bed	1.2 kg/bed	35	30	85	66	-	-	-	-	-	3.6
Gajapati	Demonstration on wheel finger weeder for drudgery reduction.	30	124	12.26	10.04	132	118	-	12	-	121	-	-	-		-	-	-	-	-	-	-	-

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Gajapati	Mushroom	Paddy straw mushroom (Farmers and Farmwomen) Oyster mushroom cultivation (Rural youth training)	2	25	
Gajapati	Okra	Training on IPM for YMV in Okra	1	25	
Gajapati	Rice	Training on control of plant hopper in rice	1	25	
Gajapati	Blackgram	Field day on Blackgram cultivation, Var. PU 39	1	40	
Gajapati	Green Gram	Field day on Green gram cultivation, Var. TARM – 2	1	40	
Gajapati	Tomato	Field day on Tomato cultivation, Var. Utkal Raja	1	40	

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	Gajapati	Maize	Super 36	Firm	26	10
2.	Gajapati	Sweet Corn	Sugar 75	Firm	15	2
3.	Gajapati	Sunflower	Arjun Super 48	Firm	13	5

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
Gajapati	Technologies highly appreciated by the farmers and farm women i) IPM for plant hoppers in rice. ii) IPM for YMV in okra. iii) Thiophorate in management of powdery mildew in Green gram iv) IPM for management of hopper & fruit borer in Mango. v) humic acid for increasing primary production in community fish ponds vi) Rearing of Banaraja poultry in backyard vii) Oyster mushroom cultivation using maize stalk. viii) wheel finger weeder for drudgery reduction	Farmers – scientist interaction, Group discussion, individual contact and questionnaire evaluation during training.	i) Reduction in incidence of plant hopper in rice – 41% ii) Reduction in YMV in okra -33 % iii) Reduction in powdery mildew in Green gram - 54 % iv) Reduction in hopper and fruit borer in Mango- Continue v) Production increase in community fish ponds by using humic acid - 54% vi) Oyster mushroom cultivation adds to family income during seasonal unemployment- vii) Wheel finger weeder reduces drudgery to 12 %	These technologies will be adopted in large scale by the farmers and farm women in future.

4.2. Feedback from KVK to Research System

Name of KVK	Feedback basic of OFT on Technology Tested
Gajapati	1.Farmers engaged in maize cultivation surprised with high return from sweet corn cultivation. 2. Assessment of RDC in controlling turbidity in new fish pond is a low cost eco-friendly technology appreciated by the farmers. 3. Paddy straw mushroom cultivation with rice bran as feeding material reduces cost of production. 4. Sunflower thresher increases efficiency as well as reduces drudgery of farmwomen . 5. Fish grows faster when probiotics is incorporated with fish feed 6. Pelleted fish feed enhances total fish yield and minimises feed loss 7. Use of humic acid increases primary fish production and fish yield. 8. Fingerling production gives more income but packing and transportation to farther places is a difficult task.

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
Gajapati	Farmers and Farm women	Benchmark survey, PRA Study, problem identification and prioritisation, root cause analysis and SWOT analysis, gap analysis	23.04.2013 & 09.05.2013 Sabarpalli, Lubursing, phattachanchara, Parimal,Rajpur, Makapada	50
Gajapati	Rural youth	Group discussion with rural youth clubs and S.H.G. members and analysing secondary data from line departments like women and CD department, horticulture soil conservation, bank officials, NGOs etc.	08.04.2013 On Campus and line departments	126
Gajapati	Inservice personnels	Interview method and analysis of performance by pilot survey	23.07.2014 & 11.09 2014	34

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
Gajapati	FW	OFC	PLP	Training on soil and seed treatment	1	1	-	-	-	-	25	-	-	-
Gajapati	FW	OFC	PLP	Pest and disease management in Kharif vegetable	1	1	-	-	-	-	21	4	-	
Gajapati	FW	OFC	PLP	Pest and disease management in brinjal	1	1	-	-	-	-	25	-	-	-
Gajapati	RY	ONC	PLP	Seed treating chemicals and their use in vegetable cultivation	1	2	-	-	-	-	25	-	-	-
Gajapati	FW	OFC	PLP	Blast management of Rice in nursery bed	1	1	-	-	-	-	19	6	-	-
Gajapati	FW	OFC	HOV	Horticulture based integrated farming system	1	2	-	-	-	-	18	7	-	-
Gajapati	FW	OFC	PLP	Technology of paddy straw mushroom cultivation	1	2	-	-	-	-	-	25	-	-
Gajapati	FW	OFC	PLP	Integrated disease management in maize	1	1	-	-	-	-	20	5	-	-
Gajapati	FW	OFC	PLP	Management of pests in bean	1	1	-	-	-	-	22	3	-	-
Gajapati	RY	ONC	RYH	Disease management in Rice	1	2	-	-	-	-	25	-	-	-
Gajapati	FW	OFC	PLP	Management of leaf curl disease in tomato	1	1	-	-	-	-	21	3	-	-
Gajapati	FW	OFC	PLP	Chemical management of YMV in okra	1	1	-	-	-	-	25	-	-	-
Gajapati	RY	ONC	RYH	Use of pheromone trap	1	2	-	-	-	-	20	5	-	-
Gajapati	FW	OFC	PLP	Management of solanaceous wilt	1	1	-	-	-	-	20	5	-	-
Gajapati	FW	OFC	PLP	Integrated pest management in pineapple	1	1	-	-	-	-	21	4	-	-
Gajapati	FW	OFC	WOE	Storage loss minimization technique	1	1	-	-	-	-	-	25	-	-
Gajapati	FW	ONC	WOE	Paddy straw mushroom cultivation	1	3	-	-	-	-	-	25	-	-
Gajapati	FW	ONC	WOE	Nursery raising of vegetable seedling	1	1	-	-	-	-	-	25	-	-
Gajapati	RY	OFC	RYH	Oyster mushroom cultivation	1	1	-	-	-	-	-	25	-	-
Gajapati	FW	ONC	WOE	Weed management in vegetable by wheel finger weeder	1	1	-	-	-	-	-	25	-	-
Gajapati	FW	OFC	WOE	Operation of hand ridger	1	1	-	-	-	-	-	25	-	-
Gajapati	FW	OFC	WOE	Operation of twin wheel hoe	1	1	-	-	-	-	-	25	-	-
Gajapati	IS	ONC	EXP	Preparation of supplementary diet for pregnant women.	1	1	-	5	-	-	-	10	-	-
Gajapati	IS	ONC	EXP	Management of SHG	1	1	-	3	-	-	-	12	-	-
Gajapati	FW	OFC	FIS	Pre-stoking management of fish ponds	1	1	-	-	1	-	14	10	-	-
Gajapati	FW	OFC	FIS	Identification of health fish send its transportation and releasing method	1	1	-	-	-	-	20	4	1	-

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
Gajapati	FW	OFC	FIS	Fingerling production technology composite pisciculture	1	1	-	-	-	-	25	-	-	-
Gajapati	FW	OFC	FIS	Composite pisciculture	1	1	-	-	-	-	18	7	-	-
Gajapati	FW	ONC	FIS	Mixed fish farming with fresh water prawn	1	1	-	-	-	-	18	6	1	-
Gajapati	FW	ONC	FIS	Culture of Magur	1	1	-	-	-	-	24	1	-	-
Gajapati	FW	OFC	FIS	Water quality management in fish ponds	1	1	-	-	-	-	25	-	-	-
Gajapati	FW	OFC	FIS	Common fish disease and their controlling measure	1	1	-	-	-	-	24	1	-	-
Gajapati	RY	ONC	RYH	Yearling production technology	1	1	-	-	-	-	3	-	12	-
Gajapati	RY	ONC	RYH	Freshwater prawn culture	1	1	-	-	-	-	15	-	-	-
Gajapati	RY	ONC	RYH	Value addition in fisheries	1	2	-	-	-	-	21	4	-	-
Gajapati	RY	ONC	RYH	Composite pisciculture	1	2	-	-	-	-	20	5	-	-

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
Gajapati	Value addition in fisheries	Fish	Low income of fishing community	2	-	-	-	-	21	4	-	-
Gajapati	Composite pisciculture	Fish	Low fish yield due to improper management community and fish ponds	2	-	-	-	-	20	5	-	-
Gajapati	Disease management in Rice	Rice	Yield loss due to insect pest and disease	2	-		-	-	25	-	-	-

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

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	
Gajapati					

Table 5.4. Sponsored Training Programmes - 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 5.5 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	
Gajapati	Training on soil and seed treatment	25	-	20	-	-	-	-	-
Gajapati	Pest and disease management in Kharif vegetable	25	12	25	-	-	-	-	-
Gajapati	Pest and disease management in brinjal	25	14	25	-	-	-	-	-
Gajapati	Seed treating chemicals and their use in vegetable cultivation	15	-	15	-	-	-	-	-
Gajapati	Blast management of paddy in nursery bed	25	4	56	-	-	-	-	-
Gajapati	Horticulture based integrated farming system	25	-	25	-	-	-	-	-
Gajapati	Technology of paddy straw mushroom cultivation	25	7	39	-	-	-	-	-

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	
Gajapati	Integrated disease management in maize	25	15	34	-	-	-	-	-
Gajapati	Management of pests in bean	25	-	38	-	-	-	-	-
Gajapati	Disease management in paddy	15	7	23	-	-	-	-	-
Gajapati	Management of leaf curl disease in tomato	25	14	36	-	-	-	-	-
Gajapati	Chemical management of YMV in okra	25	17	42	-	-	-	-	-
Gajapati	Use of pheromone trap	15	12	28	-	-	-	-	-
Gajapati	Management of solanaceous wilt	25	11	46	-	-	-	-	-
Gajapati	Integrated pest management in pineapple	25	-	25	-	-	-	-	-
Gajapati	Storage loss minimization technique	25	10	62	-	-	-	-	-
Gajapati	Paddy straw mushroom cultivation	25	15	87	-	-	-	-	-
Gajapati	Nursery raising of vegetable seedling	25	18	47	-	-	-	-	-
Gajapati	Oyster mushroom cultivation	25	5	34	-	-	-	-	-
Gajapati	Weed management in vegetable by wheel finger weeder	25	-	44	-	-	-	-	-
Gajapati	Operation of hand ridger	25	8	27	-	-	-	-	-
Gajapati	Operation of twin wheel hoe	25	-	25	-	-	-	-	-
Gajapati	Preparation of supplementary diet for pregnant women.	15	-	15	-	-	-	-	-
Gajapati	Management of SHG	15	-	15	-	-	-	-	-
Gajapati	Pre-stoking management of fish ponds	25	8	39	-	-	-	-	-

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	
Gajapati	Identification of healthy fish seed, its transportation and releasing method	25	-	25	-	-	-	-	-
Gajapati	Fingerling production technology composite pisciculture	25	10	32	-	-	-	-	-
Gajapati	Composite pisciculture	25	16	49	-	-	-	-	-
Gajapati	Mixed fish farming with fresh water prawn	25	10	24	-	-	-	-	-
Gajapati	Culture of Magur	25	12	34	-	-	-	-	-
Gajapati	Water quality management in fish ponds	25	15	40	-	-	-	-	-
Gajapati	Common fish disease and their controlling measure	25	22	46	-	-	-	-	-
Gajapati	Yearling production technology	15	8	27	-	-	-	-	-
Gajapati	Freshwater prawn culture	15	-	15	-	-	-	-	-
Gajapati	Value addition in fisheries	15	2	28	-	-	-	-	-
Gajapati	Composite pisciculture	15	19	25	-	-	-	-	-

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			
Gajapati	Field Day	11	5	27	5	143	25	8	2	Seeing is believing	All FLD	At harvesting
Gajapati	Kisan Mela	2	1	32	18	417	369	20	4	Popularization of improved technologies in agriculture and allied field.	Farmers fair cum farmers scientist interaction	-
Gajapati	Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Exhibition	1	1	32	18	417	369	20	4	To popularization of improved technology in a agriculture and allied sector by stake holder	-	-
Gajapati	Film Show	-	17	17	11	332	57	8	-	Information dissemination and creating awareness among farmers	Maize cultivation, Sunflower pests and pollination, vermicomposting, fruits, floriculture, blackgram, greengram cultivation, backyard polultry, ragi cultivation etc.	-
Gajapati	Method Demonstrations	-	4	-	-	87	15	-	1	Learning by doing principle	Mushrrom Cultivation, vaccination of poultry birds, Seed and soil treatment, Nursery preparation, Ragi line sowing, fertiliser application in sunflower, yam colocasio, , etc.	-
Gajapati	Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Workshop	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Group meetings	-	29	-	-	69	347	-	-	Identification and prioritisation of problems	-	-
Gajapati	Lectures delivered as resource persons	-	11	-	-	462	53	-	-	Information dissemination	Different schemes of Govt. Depts. And NGOs.	
Gajapati	Newspaper coverage	-	15	Mass						Popularisation of technologies and highlightining the different activities of K.V.K	Observation of Parthenium Week, Scientific advisory committee of KVK, Farmers fair and farmers scientist interaction, Gender Workshop Technological advances in IPM, INM and IDM practices.	-
Gajapati	Radio talks	-	-	-	-	-	-	-	-	-	-	-
Gajapati	TV talks	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Popular articles	-	2	Mass						Information and dissemination of technologies	Technological advances ,coverage of different activities of K.V.K and important day celebrations and other similar activities.	
Gajapati	Extension Literature	-								Information and dissemination of		

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			
										technologies		
Gajapati	Farm advisory Services	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Scientific visit to farmers field	227	218	113	31	314	371	-	-	Identification of problems and their prioritisation	-	-
Gajapati	Farmers visit to KVK	-	1203	82	34	593	494	-	-	Identification of problem, information seeking and capacity building	-	-
Gajapati	Diagnostic visits	131	117	64	19	191	86	-	-	Identification of problems diagnosis of problems, prioritisation of problems	-	-
Gajapati	Exposure visits	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Animal Health Camp	-	1	-	-	309	37	4	3			
Gajapati	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Farm Science Club conveners meet	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Self Help Group conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Gajapati	Celebration of important days (World environment day)	4	4	-	-	117	48	5	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
Gajapati	Sept 2013	April 2013 to Sept 2013	500	475
Gajapti	March 2014	Oct 2013 to March 2014	500	-

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Gajapti	Leaflet (Oriya)	Dhana Phasala re roga o poka parichalana	Dr.(Mrs) S. Mohanty, Mr. S.Mohanty, Mr. M.K.Tripathy	500
Gajapti	Leaflet (Oriya)	Jalanga Machha Chasa	Dr. (Mrs) S. Mohanty, Mr. M.K.Tripathy, Mr. S.Mohanty	500
Gajapti	Leaflet (Oriya)	Machha Chasa re khadya parichana	Dr. (Mrs) S. Mohanty, Mr. M.K.Tripathy, Mr. S.Mohanty	500
Gajapti	Booklet (Oriya)	Baigynika Paddhati re sujyamukhi Chasa	Dr.(Mrs) S. Mohanty, Mr. S.Mohanty	200
Gajapti	Booklet (Oriya)	Baigynika Paddhati re Muga Chasa	Dr.(Mrs) S. Mohanty, Mr. S.Mohanty	200
Gajapti	Booklet (Oriya)	Baigynika Paddhati re Badam Chasa	Dr.(Mrs) S. Mohanty, Mr. S.Mohanty	200
Gajapti	Booklet (Oriya)	Baigynika Paddhati re Mandia Chasa	Dr.(Mrs) S. Mohanty, Mr. S.Mohanty	200

7.3 Details of Electronic Media Produced - NA

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- NA

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Gajapati	Fruits	Mango	Amrapali, Mallika,	3000		Distributed under NHM	20
Gajapati	Vegetables	Tomato, brinjal, Cauliflower, Cabbage	Utkal Raja, Utkal Kumari, Tarini, Megha, Disha, Green challenger,	53000		183	13500

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

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.)

8.4 Livestock and fisheries production - NA

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far: NA

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)
		`						

9.2 Details of water samples analyzed so far :NA

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 NA

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
Gajapati	**27.09.2013**	**30**	1. Increase in area under Ragi cultivation. 2. Crop diversification from maize to maize + pulses. 3. Special training for farmers, farm women and rural youth on mango, Lichi & pineapple production management and value addition 4. Increase in are in under Rikia bean production. 5. Preparations of low cost locally available fish feed. 6. Pond based farming system should be in more no. in the district. 7. Programme on layer bird production to be taken up with support of veterinary department. 8. Training on Capacity building of rural youth on quality planting material production, seed production and off-season vegetable cultivation. 9. Establishment of hi-tech model nursery. 10. Establishment of processing units for fruits vegetables and tuber crops for value added products. 11. Use of bio-pesticide in Maize to reduce pesticide application. 12. More no. of vocational Trainings for school dropout should be conducted.

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.		
Gajapati	200	62826	63	n-Tier Software (From April 2013 – January 2014) NIC (From Feb 2014 –March 2014)	Integrated Nutrient Management, Integrated Pest Management, pest and disease advisory, prophylactic advisories, celebration of important days, mushroom cultivation , value addition, post harvest management, live stock management etc.

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
Gajapati	ATMA	Central	400000	-	Gajapati district	-
Gajapati	RKVY	Central	90000	Monitoring of BGREI-II Paddy by KVK Scientists	Gajapati district	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Gajapati	30450420961	72114	90477	90477

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Gajapati	Best Coordinating Farmer award	Individual Farmer	State Agriculture Dept.	10000
Gajapati	Best Farmer award	Individual Farmer	OUAT	Nil

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	Gajapati	Yes	ZPD

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Gajapati	Crop Cafeteria	MangoOrchard, Cinamom, Sweet corn, Vegetables, Poly house, Low tunnel Rose garden Poultry unit, Vermicompost unit, Seedling Mango graft nursery
Gajapati	Technology Desk	-
Gajapati	Visitors Gallery	-
Gajapati	Technology Exhibition	-
Gajapati	Technology Gate-Valve	-

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal substitution	2
2	Planting material production	2
3	Income Generation	3
4.	Orchard Management	2

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	Gajapati	Rama Behera	Low Cost Wheel Barrow	Phuka, Ramagiri
2	Gajapati	Biwsanath Bhunya	Wooden Pineapple Juice extractor	Sindhiba, R-Udayagiri

20. KVK interaction with progressive farmers- NA

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1		

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Gajapati	5	7	178	619

Intensive- OFTS, FLDS etc
Extensive- Literatures, Publications, Awareness programmes etc.

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

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1				

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Gajapati, Rayagada, Gamjam II	Implements, Technical Resource.	-

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Gajapati	Prof. S.S. Nada., Dean, Extension Education	**17.04.2013**		**OUAT**	-	-
Gajapati	Prof. Manoranjan Kara, Vice-Chancellor	**27.09.2013**	-	**OUAT**		
Gajapati	Prof. S.S. Nada., Dean, Extension Education	**27.09.2013**		**OUAT**		
Gajapati	Mr. Basudev Bahinipati, Collector, Gajapati	**27.09.2013**			**Collectorate, Gajapati**	
Gajapati	Dr. Biajaya Kumar Mohapatra, Joint Director, DEE	**13.02.2014**		**OUAT**		
Gajapati	Dr. Shyam Sunadar Mohapatra, Associate Prof. Plant Pathology,	**14.02.2014**		**OUAT**		
Gajapti	Dr. Satya Narayan Dash, Associate Prof. Horticulture	**14.02.2014**		**OUAT**		
Gajapati	Dr (Mrs) Minati Behera, Deputy Director, DEE	**21.02.2014**		**OUAT**		

Gajapati	Dr. Subash Sahoo, Joint Director DEE	**21.02.2014**		**OUAT**		
Gajapati	Dr. S.R.K.Singh Sr. Scientist & IC PME Cell ZPD Zone VII ICAR, Jabalpur	**22.03.2014**	**ICAR**			

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	**Gajapati**	**2012**	**4**	**-**

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			
Gajapati							

27. Status of RTI - NA

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	**Gajapati**			

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	**Gajapati**	**57**	**57**	**-**

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Gajapati	Dr. (Mrs) Susmita Mohanty	Programme Coordinator	1	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Gajapati	1	1

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Gajapati	Dr. (Mrs) Susmita Mohanty	Programme Coordinator	4	
	Dr. (Mrs) Shradhanjali Mohapatra	SMS (Home Science)	2	
	Mr. Manoj Kumar Tripathy	SMS (Fishery Science)	2	
	Mr. Sandeep Mohanty	SMS (Plant Protection)	2	
	Mr. Sanat Kumar Meher	Programme Assistant (Computer)	1	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Gajapati	5	11

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
Gajapati	Mr. Manoj Kumar Tripathy	SMS (Fishery Science)	1	-

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

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

Name of KVK	Alert observed	Particulars	Reported to organization
Gajapati	Cycolne Phailin	10th and 11th OCT 2013,	ZPD & SAU
Gajapati	Flood	20th to 25th Oct 2013	ZPD & SAU

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gajapati	Demonstration on farm implements for drudgery reduction of farm women,	1	200	Maize Sheller, Manual cum electric operated maize Sheller, Small garden tool for farm women.
Gajapati	Health Camp	1	346	Live stock (Cow, Buffalo, Goat, Sheep, Poultry Bird etc.

34. INTERVENTIONS ON DROUGHT MITIGATION - NA

Introduction of alternate crops/varieties - NA

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

Major area coverage under alternate crops/varieties- NA

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management - NA

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

Animal health camps organized - NA

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

Seed distribution in drought hit states - NA

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

Seedlings and Saplings distributed - NA

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

Bio-control Agents - NA

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

Bio-Fertilizer - NA

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

Verms Produced - NA

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

Large scale adoption of resource conservation technologies - NA

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

Awareness campaign - NA

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 - NA**

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

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

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

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

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

4**. Proposed Activities for Fodder Bank - NA**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank - NA**

Established (Years)	Capacity	Current Status

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

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

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

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

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

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
	Gajapati	**2**	**-**

Success Story - 1

Pisciculture in community fish ponds: Encouraging story of a SHG

Background Information.

Attarsing is a village in Nuagada block of Gajapati district inhabited mostly by tribal people of minority community. There are 67 farm families in the village who depend on agriculture and live stock for their livelihood. The crops like paddy, maize, vegetable and rearing of poultry and goatary are practiced. There is a community fish pond of 0.4 ha area located at one end of the village used for bathing purpose of villages has been leased by a SHG named "Sujoga". Mr. Prasant Raita the President of SHG expressed problem of low profit from pisciculture during the diagnoistic visit of KVK scientists to this village. He enquired about the improved management practices for higher yield from this community fish pond. Problems like high transparency having a sechhidisc visibility of about 45cm, poor feed management practices, release of very small size fry (25cm) are identified by the kvk scientists.

Description of technology:

Keeping in view the social restrictions in applying raw cow dung and other necessary inputs and ignorance of scientific pisciculture on farm trial, training programmes and OFT on augmenting the primary productivity were conducted to improve knowledge and skill of the farmers on scientific fish production technology. Giving respect to the peoples sentiment humic acid was used as an alternative organic input to raw

cowdung @ 400ml/m-ha area and repeated the same dose after two months and half of the dose two months later. Also rice bran and oil cake @ 1: 1 in fermented slurry form applied at monthly interval to increase the primary productivity. People of the village were convinced and allowed to use lime and pH was kept at optimum range. Since Fingerlings were released @ 7,500/- per ha area supplementary feeding were also given to the fish during culture.

Dissemination of Process :

Continuous supervision and guidance through training, group discussion were arranged and literature on scientific management of community fish pond was also provided by the kvk . Field day was organized during harvest of fish involving line department officials and farmers of nearby villages. Follow up action was taken by state fishery department and JKP NGO though out the district.

Outcome and impacts:

As a result the yield enhanced from 14.1 q/ha to 30.5 q/ha. The net return increased from Rs. 62,200/- to Rs. 1,54,600/-. With this encouraging result, "Sujoga" SHG set an example for other villages and SHGs who were reluctant to take village community ponds on lease basis for pisciculture. Now there is heavy competition among other SHGs to take the pond and nearby ponds on lease basis for pisciculture and the lease value also increased by 80% due to the success made in Attarsing.






Success Story – 2

Integrated Fish farming with duck for additional Income

Background Information.

Garabandha is a village of about 84 farm families in the Gosani block of Gajapati district and is located about 25 km away from the district head quarters, Paralakhemundi and 55 km from KVK, Gajapati. There lives Sri Arjun Behera with his wife Kumari Behera and three school going children. He is having a pond of area 0.48 ha and agricultural land holding of 2.2 ha. Rice-pulse constitutes the principal cropping pattern. With this resources and income

he manages his family with much difficulty. One day he came in contact with the KVK scientists during one off campus training programme held in Gosani block. For getting additional income he was advised to go for fish- cum- duck farming in his pond. Sri Behera, his wife along with 4 nos of fish farmers from Sobra, Gurandi, Talasing of Gosani block shown interest in fish–cum-duck farming. Necessary training programme, FLD and extension literature were provided for improving scientific knowledge and skill in integrated fish farming with duck.

Description of technology:

Mr. Behera was advised to introduce improved verities of duck khaki campbell @ 150 ducks/ha water area along with advanced fish fingerling @ 7,500/- / ha comprising catta : Rohu : Mrigal : common carp in the ratio of 40 : 30 : 10 : 20 when the latter attaining an ABW of 50g.

The integration was made with an objective to recycle the duck droppings and left out feed for natural fish food. The ducks also consume unwanted plants, weeds, insects, snails etc. from pond ecosystem and can contribute to better pond productivity. They also help in increasing the dissolved oxygen level of water body which is a vital parameter for survibility and growth of fish. This variety of ducks has higher growth potential and better egg laying capacity.

Dissemination of Process :

Continuous follow up action and necessary extension activities were made to the farmer's field to check up the progress and necessary care was taken for birds and maintaining the water quality. Extension activities i.e. training, group discussion, distribution of literature, field day were organized by KVK scientists. State fishery department and NGOs , Gram Vikash were vigilant towards follow up of action.

Outcome and impacts:

At the end of 1 year one duck laid on an average of 180 eggs and the fish production was 29.4 q/ha. So, from his 0.48 ha area as he has introduced 72 birds of which there were 49 females and 23 males and total no of eggs laid were 8820/-. Eggs were sold @ Rs 3.50/- per egg and total revenue received was 30,870/-. He also received 14.11q of fish from his pond. Over all his net income were Rs 1,25,670/-. Not only his family was over whelmed at his success but they were availed loan for bank for converting 0.6 ha area from his agricultural land holdings to fish pond. Looking at his success the fish farmers from nearby villages like Sobra, Gurandi, Talasing, Mahadeipur were adopted the technology.




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) –

Demonstration on hybrid maize cultivation Var. super -36


Damage in maize field due to cyclone Phaline


Assessment of IDM of Collar rot disease in ground nut


Harvesting on ground nut


Assement of Trizophos and cryomaicine against control of leaf minor in Tomato


Demonstraion of thiophorate for management of powder in green gram

Vist of Joint Director DEE, OUAT

FLD on Black Gram var. PU 39

Okra Var. Mahyco 10

Demonstration on IPM for YMV in okra.

Demonstration on Hybrid sun flower cultivation

FLD on sunflower (Var. Arjun – 48)

Assessment of Biprofezin for management of BPH in Rice

Diagnostic field visit for plant hopper in rice

Training on oyster mushroom cultivation

Oyster mushroom in maize stalk

FLD on oyster mushroom cultivation

Assessment of sunflower thresher

FLD on wheel finger weeder

FLD on Backyard poultry rearing

Promotion of Banaraja Bird in TSP village

Hyv. Ragi cultivation (Var. Bhairabi) under TSP

FLDS on use of palleted feed in composite pisciculture

LFD on fingerling production in seasonal tank

 **Farmers Fair cum Exhibition**	 Obseration of Parthenium Week	 Animal health Camp at Bhaliasahi