ANNUAL REPORT
APRIL 2008 TO MARCH 2009

1. GENERAL INFORMATION ABOUT THE KVK

1.1 Name and address of KVK with phone, fax and e-mail

KVK	Postal Address with pin code	Telephone		E-mail
		STD	Office	
Jagatsinghpur	At-Nimakana , Po-Manijanga, via-Tirtol, Dist-Jagatsinghpur, Pin-754160. Orissa	-	-	jagatsinghpurkvk @yahoo.com kvkjagatsinghpur @yahoo.co.in kvkjagatsinghpur @gmail.com

1.2 Name and address of host organization with phone, fax and e-mail

Host Institute name	Postal Address with pin code	Telephone			E-mail
		STD	Office	Fax	
OUAT Bhubaneswar Orissa	OUAT, Bhubaneswar Pin-751003 Orissa	2392677 – A (PBX-206-A)	(0674) 2392677	(0674) 2391780	-

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Shiba Prasad Sangramsingh	-	9937162016	kvk Jagatsinghpur @ gmail.com

1.4. Year of sanction: 2005-06

1.5. Staff Position (as on 31.3.2009)

Sl No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent / Temporary	Category (SC/ST /OBC/ Others)
1	Programme Coordinator	Vacant	Programme Coordinator	-	-	-	-	-
2	Subject Matter Specialist	S.P.Sangramsingh I/C Programme Coordinator	SMS	Agril Extension	10000-325-15200 Basic 11265/-	1.05.05	Temporary	Others

3	Subject Matter Specialist	Nityananda Das	SMS	Fishery Science	8000-275- 13500 Basic 8550	2.5.2005	Temporary	Others
4	Subject Matter Specialist	Arabinda Dhal	SMS	Plant Protection	8000-275- 13500 Basic 8550	9.1.06	Temporary	Others
5	Subject Matter Specialist	Dr.Lilymoony Tripathy	SMS	Horticulture	8000-275- 13500 Basic 8550	30.12.05	Temporary	Others
6	Subject Matter Specialist	Sanat Kumar Dwibedi	SMS	Agronomy	8000-275- 13500 Basic 8825	8.07.08	Temporary	Others
7	Subject Matter Specialist	Mrs. Bijaylaxmi Sahu	SMS	Home sc.	8000-275- 13500 Basic 8825		Temporary	Others
8	Programme Assistant	Siba Prasad Mishra	Programme Assistant	B.Sc (Agril)	5500-175-9000 Basic 6025	1.07.05	Temporary	Others
9	Farm Manager	Dr. Narayan Panda	Farm Manager	Soil science	5500-175-9000 Basic 6025	30.1.06	Temporary	Others
10	Computer Programmer	Md. Sadakat Ali	Programme Assistant	Computer	5500-175-9000 Basic 5850	24.6.06	Temporary	Others
11	Accountant / Superintendent	Dinabandhu Das	SO	Accountant / Office Superintend	5900-200-9700 Basic 7300	1.6.06	Temporary	OBC
12	Stenographer	Babuli sahoo	Steno grapher	-	4000-100-6000 Basic-4100	2.7.07	Temporary	Others
13	Driver	Manoj Kumar Sahoo	Driver / Mechanic	-	3050-75-3950-80-4590 Basic 3050	30.7.07	Temporary	Others
14	Driver	Pradipta Ku Barik	Driver / Mechanic	-	3050-75-3950-80-4590 Basic 3050	30.7.07	Temporary	Others
15	Supporting Staff	Kashinath Bihari	Watchman /Peon	--	2550-55-2660-60 -3200 Basic 2550	19.12.07	Temporary	Others
16	Supporting Staff	Urbashi Nayak	Watchman /Peon	--	2550-55-2660-60 -3200 Basic 2550	22.12.07	Temporary	ST

1.6. Total land with KVK (in ha): 13.22

Sl No.	Item	Area (ha)
1	Under Buildings	1.19
2	Under Demonstration Units	-
3	Under Crops	9.53
4	Orchard / Agro-forestry	-
5	Others (Instructional farm, demonstration unit, threshing floor cum shed house, internal road etc)	2.5

1.7. Infrastructual Development:

A) Buildings

Slno	Name of building	Source of funding	Stage					
			Completion Date			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (sq.m)	Status of construction
1	Administrative Building	ICAR	23.02.08			2.12.06	-	-
2	Farmers Hostel	ICAR	23.02.08			2.12.06	-	-
3	Staff Quarters (6)	Lay out stage						
4	Demonstration Units (2)	Under 11th plan proposal						
5	Fencing	ICAR	15.10.07	-		Dec, 2006	-	-
6	Rain water harvesting system	-	-	-	-	-	-	
7	Threshing floor	ICAR	16.10.07					
8	Farm godown	Under 11th Plan Proposal						

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs)	Total kms.Run	Present status
Tractor	2005-06	488364*	-	Good
Bolero*	2005-06	-	45062	Good
* Expenditure on tractor only. Bolero purchased by DPP OUAT & handed over to KVK Jagatsinghpur.				

C) Equipments & AV aids

Name of equipment	Year of purchase	Cost (Rs)	Present status
Furniture & furnishing (Table, Almirah, Bed, Chairs, AC, Laptop, Aquagard, Generator, Matress, Pillow & Sofa	2008-09	649061	Good

1.8. A) Details SAC meeting * conducted in the year

SL No	Date	Number of participants	Salient Recommendations	Action taken
1	20.8.2008	35	1. HYV of pulses are to be taken with balance fertilizer doses on demonstration 2. To start with a mushroom spawn unit at district level with the help of KVK 3. Demonstration on use of agriculture implements in the firm 4. Training on IPM & INM of horticultural crop should be conducted to refresh inservice personnels 5. Mushroom preservation as method demonstration & marketing 6. Soil testing laboratory to be installed in KVK premises 7. Seed village programme to be taken by KVK for increasing the seed replacement ratio 8. Awareness campaign Programme should be made in IDM in Betelvine 9. Suggested field demonstration of paddy Transplanter & its use to combat seasonal labour scarcity 10. Suggested Krishi Mela to be conducted by KVK in off campus 11. More emphasis on vocational training & Pisciculture for youth & SHGs 12. Strays on vocational trainings for landless farmers on mushroom, Poultry, Piggery, Goatery & Apiary 13. Intercropping & mix cropping of different crops to be adopted as life saving enterprise in flood prone areas 14. Activities to be taken for drudgery reduction of farm women 15. Follow of action & impact study should be conducted properly (Date base)	Action taken as per suggestion and recommendation

2. DETAILS OF DISTRICT (2006-07)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

SlNo	Farming system/enterprise
1	Paddy- Green gram / Black gram
2	Paddy – Fallow
3	Paddy – Vegetable
4	Paddy – Ground nut
5	Vegetable-vegetables

2.2 Description of Agro-climate Zone & major agro ecological situations (based on soil and topography)

Slno	**Agro-climate Zone**	**Characteristics**
1	East & south east coastal plain zone	Hot & humid climate, Latitude – 20- 21^0 North Longitude – 84-87^0 3' East Surrounded by Kendrapada in North east Puri & bay of Bengal in South, Cuttack in west & bay of Bengal in East

Slno	**Agro ecological situation**	**Characteristics**
1	Coastal irrigated Alluvium (Found in Jagatsinghpur Biridi, Naugan, Balikuda, Raghunathpur, Tirtol, Ersama, kujang block	-Geographical area: 470000 hac -Soil type: sandy loam to clay loam -Rainfall : 1370 mm -Cropping intensity: 198 -Major crops: Rice, G.gram, vegetable, G.nut, jute, sesame
2	Rainfed Alluvium (Found in Jagatsinghpur Biridi, Naugan, Balikuda, Raghunathpur, Tirtol, Ersama, kujang block	-Geographical area: 375000 hac -Soil type: loamy sand to sandy clay loam -Rainfall : 1343 mm -Cropping intensity: 185 -Major crops: Rice, G.gram, vegetable, G.nut, jute, sesame
3	Coastal Alluvial saline (Found in Balikuda, Ersama, Kujang block)	-Geographical area: 318000 hac -Soil type: sandy loam to clay -Rainfall: 1379 mm -Cropping intensity: 105 -Major crops: Rice, G.gram, vegetable
4	Coastal water logged (Found in Balikuda, Ersama, Kujang block)	-Geographical area: 728000 hac -Soil type: loamy sand to sandy loam -Rainfall: 1362 mm -Cropping intensity: 95 -Major crops: Rice

2.3 Soil type/s

Slno	Soil type	Characteristics
1	Loam	- it is a mixture of sand, silt and clay particles which exhibits approximately equal properties of sand, silt and clay. - It also exhibits light and heavy properties in about equal proportions
2	Sandy Loam	- It is a mixture of sand, silt and clay, but the % of sand particles is high than silt and clay particles. - Good for crop cultivation - Good in water holding capacity & Nutrient transformations
3	Clay Loam	- It is a mixture of sand, silt and clay but the clay content is less in comparison to sand and silt particles. - Less productive in comparism to sandy loam due high retentive capacity of water and nutrients by day particles which is less available to crop plants

2.4 Areas, Production and productivity of major crops cultivated in the district

Slno	Crop	Area(ha)	Production (Qtl)	Productivity (Qtl/ha)
1	Paddy	97242	2686452	27.63
2	Green gram	26909	74269	2.76
3	Black gram	4363	12404	2.84
4	Ground nut	1361	15112	11.1
5	Potato	246	32275	131.2
6	Sugarcane	712	517389	726.67

2.5 Weather data

Month	Rainfall (mm)	Temperature ºC		Relative Humidity (%)
		Maximum	Minimum	
April 08	65	-	-	-
May 08	15.6	-	-	-
June 08	93.8	-	-	-
July 08	245	-	-	-
August08	375	-	-	-
September 08	142.6	-	-	-
October 08	256.4	-	-	-
November 08	-	-	-	-
December 08	-	-	-	-
January, 09	-	NA	NA	NA
February, 09	-	-	-	-
March , 09	-	-	-	-
TOTAL	**1232.1**	**-**	**-**	**-**

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

Category	Population	Production	Productivity
Cattle	-	82.84 TMT (milk)	0.0005 TMT
Crossbred	127281	-	-
Indigenous	200562	-	-
Buffalo	13144	-	-
Sheep	-	4119 qtl (Meat)	0.15 qtl
Crossbred	374	-	-
Indigenous	26790	-	-
Goats	142631	16097 qtls (Meat)	0.113 qtls
Pigs			
Crossbred	170	-	-
Indigenous	3177	-	-
Rabbits	395	-	-
Poultry		2393 qtl (Meat) 19.7 million eggs	0.01 qtl (Meat) 0.0002 million eggs
Hens			
Desi	107092	-	-
Improved	121269	-	-
Ducks	98631	-	-
Turkey and others		-	-
Category	Area	Production	Productivity
Fish	-	-	-
Marine	3000 sq km	34165.13 MT	11.39 MT
Inland	14405 hac	8421.40 MT	0.58 MT
Prawn	-	-	-
Scampi	12428 hac	109.73 MT	0.009 MT
Shrimp	791.8 hac	1572.887 MT	1.99 MT

2.6 Details of operational area / Villages (2008-09)

Sl No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Tirtol	Tirtol	Nimakana	Rice, Pulse, Poultry, Dairy	- Low yield in pulse - Low yield in rice - Low milk yield in diary	- Improved techniques in pulse cultivation - IPM in rice - Goatery, poultry rearing & fish farming
2	Tirtol	Tirtol	Sanimula	Paddy, green gram, fish farming	- Low yield in paddy (Attack of disease & pest) - Low yield in pulse -Low yield in fish farming	- Varietal substitution & IPM in rice - Improved package & practice for pulse - Pisciculture for women

3	Kujanga	Kujanga	Teramanpur	Vegetable, rice, Betelvine	-Low yield in vegetables -Low price value in paddy -Low yield in Betelvine	-Introduction of suitable HY varieties of vegetable popularization of scented rice -IDM in Betelvine
4	Tirtol	Tirtol	Kiranti	Rice, pulse, Pisciculture	-Low price value of paddy -Low yield of pulse -Low yield in fish farming	-Value addition in rice - Improved package & practice of pulse - Composite fish farming
5	Tirtol	Tirtol	Kaudiabari	Rice, pulse, poultry, Dairy	-Low yield in paddy -Low yield in pulse -Less return in poultry & Dairy	-Improved package & practice for paddy & pulse -Entrepreneurship development through poultry, Dairy & Duckery spread of mushroom culture
6	Radhua	Raghun athpur	Baratira	Paddy, Vegetable, Dairy, Fish farming, Betelvine	-Low yield in Paddy - Low yield in vegetables -Low yield in Fish farming - Less return in poultry & Dairy -Low yield in Betelvine	-Improved package & practice in vegetables -Varietal substitution in rice - Integrated fish farming - Use of plastic culture in horticulture - IDM in Betelvine

2.7 Priority thrust areas

Slno	Thrust area
1	Management of soil salinity.
2	Use of biopesticide and biofertilizer.
3	Popularization of scented and long slender grain rice.
4	Introduction of suitable high yielding varieties of vegetables
5	Use of plastic in horticulture.
6	Popularization of floriculture.
7	Integrated pest management in paddy
8	Integrated disease management for Betelvine.
9	Pisciculture for women
10	Marketing strategy for sunflower growers
11	Spread of mushroom culture.
12	Agrobase micro enterprise development for SHG.
13	Entrepreneurship development in the field of honey bee rearing, poultry rearing, seed production, diary, goatory and fingerling production etc.

3.B. Abstract of interventions undertaken

Sl. No.	Thrust area	Crop/ Enterprise	Identified problem	Interventions					
				Title of OFT if any	**Title of FLD if any**	**Title of training if any**	**Title of training for extension personnel if any**	**Extension activities**	**Supply of seeds, planting materials etc.**
	Management of paddy excess water conditions	Paddy	Excess water during crop season results in poor yield	Performance of variety Varshadhan as a lowland paddy variety	-	-	-	CD Show , GD, Field day	Seeds, Fertilizers,
	Popularization of scented and long slender grain rice.	Paddy	Low yield, poor grain quality, high disease pest incidence under medium land situation.	Assessment of suitable paddy variety for medium land situation		Package and practices of scented rice Use of improved agricultural implements in paddy	-	CD Show , GD,	Seeds, Fertilizers,
	Agronomic management of filed crops	Paddy	Low yield of local paddy under conventional method of cultivation	Assessment of SRI method of paddy cultivation		Drudgery reduction in paddy cultivation Use of Organic manure in crop production Use of SRI method of paddy cultivation under upland and medium land condition Weed management in paddy cultivation	-	CD Show , GD, Field visit	Seeds, Fertilizers,
	Popularization of scented and long	Paddy	Low yield of local paddy varieties under medium to	-	Introduction of high yielding aromatic	Package and practices of scented rice	-	CD Show, GD,	Seeds, Fertilizers,

	slender grain rice.		low land situation.		paddy variety; Ketakijuha in medium to low land situation	Use of improved agricultural - implements in paddy		Field visit	
	Popularization of scented and long slender grain rice.	Paddy	Low yield of Swarna due to heavy disease and pest incidence.	-	Introduction of high yielding paddy variety Pratikshya in medium to low land situation	-	-	CD Show , GD,	Seeds, Fertilizers,
	Management of paddy excess water conditions	Paddy	Low nitrogen efficiency, poor yield from medium to lowland varieties.	-	Nitrogen management in lowland paddy.	Use of Biofertilizers in non legume crops	-	CD Show , GD	Seeds, Fertilizers,
	Cultivation of tuber crop	Colocassia	i. Low yield ii. High acridity	Performance of Colocassia variety under coastal agro ecosystem	-	Colocassia production and management	-	CD Show , GD, Field day	Planting material & fertilizer
	Wilting of solanaceous crop	i. Tomato	i. Incidence of wilt ii. Low yield	Assessment of wilt resistant in tomato	-	i. Nursery raising of vegetable ii. Hi-tech horticulture & precision farming	-	CD Show, Field day	Planting material
		ii. Brinjal		-	Cultivation of wilt resistant variety of brinjal var. Utkal Keshari	Selection of varieties for vegetable cultivation with special reference to wilt in brinjal			
	Use of hormone in vegetable cultivation	Bittergourd	i. Appearance of more nos. of male flowers leading to low yield ii. Flower drop	Assessment of hormone application in bittergourd	-	-	-	CD Show, GD, Field visit	Hormone

	INM in cole crops	Cauliflower	i. Low yield ii. Poor quality curd	-	INM in cauliflower	-	-	Field day, GD	Boron
	Cultivation of fruits	i. Banana	Low yield & high incidence of disease & pest	-	Cultivation of tissue culture of banana	i. Tissue culture banana cultivation (2) ii. Post harvest management of fruits	i. Changing the scenario in production of horticultural crops in the Dist ii Disease pest management in banana	CD Show, GD,	Plant lets
		ii. Papaya			Cultivation of high yielding papaya	Package of practices for papaya cultivation (2)	-	-	Planting material & fertilizer
		iii. Mango		-	-	i. Commercial cultivation of mango ii. Water management in frit crop through micro irrigation iii. Management of mango hopper	Management of horticultural crop in water shape	GD, Field visit, Ratio talk, Mass media	-
		iii. Coconut		-	Cultivation of dwarf coconut	Entrepreneurship through out coconut nursery	-	-	-
	Vegetable cultivation	Okra	YMV & low yield	-	-	Improved cultivation of okra	-	Field visit, Field day, Ratio talk	-

	Betelvine cultivation	Betelvine	i. Improper management of Betelvine yard ii. Less remuneration	-	-	i. management of Betelvine for income generation ii. value addition in Betelvine	-	Audio visual	-
	Value addition	-	Proper management of post harvest	-	-	Packaging & marketing of vegetables	i. Value addition in horticulture crop ii. product diversification & value addition in horticultural crop	-	-
	Floriculture	-	Less land under flower cultivation	-	-	i. Cultivation of commercial flower ii. Disease pest management in rose & marigold	-	-	Planting material
	Yield enhanced of cereals	Paddy	Low yield in paddy	Assessment of leaf folder management in paddy	-	i. IPM in kharif rice ii. Use of ITK for pest complex of paddy iii. Use of Neem based pesticides for pest control	-	-	-
		Sugar cane	Low yield in sugar cane	Borer management in sugar cane	-	-	-	-	-
	Increase in mushroom production	Mushroom	Low yield due to contaminants	-	Pest & disease management in mushroom				

	IPM & IDM	Tomato	-	Assessment of IPM module for wilt disease in tomato	-	Wilt management in solanaceous vegetables	i. IDM in nursery ii. IPM in vegetables		
		Brinjal	-		Non chemical management of brinjal fruit shoot borer		Non chemical management of brinjal fruit shoot borer		
		Chilli	-		Management of chilli thrips by chemical spray	Management of thrips in chilli			
		Betel vine	-	-	-	IDM in betel vine			
	Yield increase in cabbage	Cabbage	Pest infestation	-	-	DBM management in cabbage			
	Mushroom cultivation for income generation	Mushroom	i. Lack of knowledge about improved practice of cultivation ii. Lack of awareness about market demand iii. Problem in procuring spawn	-	Cultivation of oyster/ paddy straw mushroom	Cultivation of oyster mushroom	-	Field day CD show	Spawn and polythene
	Nutritional garden for family food security	Vegetable	i. Un utilized backyard space ii. No knowledge about proper lay out and maintenance iii. Insufficient family nutrition due to high cost of vegetable	-	Management of nutritional garden	Care and maintenance of nutritional garden	-	-	Improved seeds/seed ling

	Pond management	Pisciculture	Low yield	--	-	Pond management before and after stocking of fingerlings	-	GD ID	-
	Composite fish culture		Low yield due to less knowledge in applied techniques	Assessment of growth of Jayanti rohu	Composite fish farming	Techniques in composite fish farming		Field day GD ID CD show	Fingerling and feed
	Integrated fish farming		Less income due to only fish farming	-	Poultry cum fish farming	Integrated fish farming	-	Field day GD ID CD show	Chicks
	Nutrient management	Pisciculture	Less growth of fish	-	-	Supplementary feeding in pisciculture tank	-	Field day, GD, ID, CD show	-
	Magur culture	Pisciculture	Less production due to un use of water longed area	-	i. Introduction of Magur culture ii. Desi Magur culture	i. Techniques in Desi Magur culture ii. Breeding and rearing techniques in Magur	-	Field day, GD, ID, CD show	Fingerlings of Magur
	Breeding and culture of ornamental fishes	Pisciculture	Less production of ornamental fishes	-	Ornamental fish farming	Breeding and rearing in ornamental fish	-	Field day, GD, CD show	Brooders of ornamental fish
	Shrimp farming	Pisciculture	Less use of brackish water area	-	-	Shrimps farming	-	GD	-
	Fish diseases	Pisciculture	Area less production	-	-	Fish diseases and their control	-	GD	-
	Carp fry and fingerling rearing	Pisciculture	Less availability of fish fingerlings	-	-	Techniques in production of fingerlings of IMC	-	Field day, GD, ID show	-

	Fish harvest and boccasing technology	Pisciculture	Less income from low forced fishes	-	-	i. Preparation methods of dirrerent fishery production ii. Preparation of fishery products	-	-	-
	Pond and cage culture	Pisciculture	Non utilization of water body	-	-	-	Pen and cage culture in fish farming systems	GD, CD show	-
	Poultry production	Duck rearing	Poor performance of locally available duck	Assessment of duck breed	-	-	-	Field day, GD	-

B. Details of each on Farm Trial to be furnished in the following format

OFT-1

Table i

Name of the technology	**PERFORMANCE OF SUITABLE PADDY VARIETY MANASWINI FOR MEDIUM LAND SITUATION**				
Season	Kharif	**Farming situation (IR/R)**	Rainfed medium land	**Soil type**	Clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Integrated crop management	Paddy	**T_1**- Lalata (Farmer's variety) **T_2**- Manaswini	8	33.5	35.7	8500	10560

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
a) Time to maturity b) Tillers/hill c) Grains /panicle	125days 17 165-170	130days 20 175-190	Var. Lalat with farmers' practice i.e. fertilizer (80:40:40). Pesticides & insecticides as and when required.	The yield and other parameters are superior to the farmers' variety cv. Lalata. The BC ratio was found to be 1.58:1.	1.Crop is tolerant to most of the diseases and pests compared to var. Lalata 2.Medium slender grains suitable for both dry and wet rice 3. Increase in yield 6.5%. 4. Acceptability of variety is very good. 5. Improvement of technology through assessment and refinement.

OFT-2

Table i

Name of the technology	**PERFORMANCE OF VARIETY VARSHADHAN AS A LOW LAND PADDY VARIETY**				
Season	Kharif	**Farming situation (IR/R)**	Shallow rainfed lowland	**Soil type**	Clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Integrated crop management	Paddy	**T_1**- Chakaakhi (Farmers' variety) **T_2**- Varshadhan	6	31.0	39.5	6850	13750

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Time to maturity, No. of grains	160-165days Avg.-175	170-180days Avg-243 Highest-308	Var. Chakaakhi	Newly released variety Varshadhan was found superior to farmers' variety	1. Technical observation-The new variety is not lodging and very well suited to shallow low land situation. 2. Economic indicator-27.42% increase in yield. 3. Farmers reaction- Non-lodging. 4. Farmers feedback-Improvement of technology.

OFT-3

Table i

Name of the technology	**ASSESSMENT OF SRI METHOD OF PADDY CULTIVATION**				
Season	Kharif	**Farming situation (IR/R)**	Irrigated medium land	**Soil type**	Clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT (Units)**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Integrated crop management	Paddy	**T_1**- Conventional cultivation practice (Farmers' variety- Pratikshya) **T_2**- SRI method of cultivation (var- Pratikshya)	6	43.0	58.5	16400	27800

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Time of maturity, Tillers/hill Seed vigour Test weight	145 20 Good 23.5	141 37 Very good 24.3	The farmers were growing Pratikshya with their own cultivation practice.	1.The yield obtained with SRI recommendation was 58.5 compared to 43.0q/ha with conventional practice with same variety. 2. The increase in yield was 36.04% over conventional practice. 3.The SRI method was found superior over the conventional practice. 4.The B:C ratio was found to be 2.46:1.	SRI method of cultivation yielded more tillers and quality grains are better.

OFT-4

Table i

Name of the technology	**ASSESSMENT OF COLOCASSIA VARIETY- VAR MUKTAKESHI**				
Season	Kharif	**Farming situation (IR/R)**	Rainfed	**Soil type**	Sandy loam clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Production and management of tuber crops	Colocassia	**T_1-** Kujanga kuji **T_2-** Muktakeshi	5	87.4	108.6	43900	58600

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
No of cormels Diameter of corms Field duration	5-6 3-8 cm 6 months	8-10 5 cm 200-210 days	Use of local variety Kujanga kuji	-More incidence of pest and diseases -Resistance to leaf blight -Increase in yield is24.13%	i. Low acridity ii. Good cooking quality iii. High yield iv. Marketability is high v. B:C ratio3.58

OFT-5

Table i

Name of the technology	**ASSESSMENT OF WILT RESISTANT VARIETY OF TOMATO**				
Season	Rabi	**Farming situation (IR/R)**	Irrigated	**Soil type**	Sandy loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
IDM	Tomato	**T_1-** Cross-17 **T_2-** Utkal Raja	5	290.2	324.1	66060	76230

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
i. No of branches	5	5	Use of farmer's variety Cross-17	The incidence of wilt was <1 % in Utkal Raja & the increase in yield=11.2%	Needs early harvesting in yellow stage as the keeping quality was low & gets damaged during transportation B:C ratio = 4.63
ii. Days taken to flowering	35	38			
iii. No of clusters/ plant	06	08			
iv. No of fruits/ cluster	03	04			
v. Average wt of fruit	62.1 gm	96.8 gm			
vi. % Incidence of wilt	>20%	< 1 %			

OFT-6

Table i

Name of the technology	**ASSESSMENT OF HORMONE APPLICATION IN BITTER GOURD**				
Season	Kharif	**Farming situation (IR/R)**	Irrigated	**Soil type**	Sandy loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Use of growth regulator	Bitter gourd	**T_1- No** application **T_2-** application of ethrel @ 200ppm /ha at 4-5 leaf stage i.e. 20ml per liter of water	**5**	Result awaited			

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
% Of male flower retained % Of female flower retained(35DAS)	20.5% 48.1%	21.2% 76.3%	More of irrigation was given to avoid dry condition, which may be help for flower retention.	A good quantity i.e.76.3% of female flower was retained which wilt lead to higher yield	High retention of male & female flower even at high temperature

OFT-7

Table i

Name of the technology	**MANAGEMENT OF PADDY LEAF FOLDER**				
Season	Kharif 2008	**Farming situation (IR/R)**	Rainfed	**Soil type**	Alluvial

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT(units)**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
IPM	Paddy	Chemical management of leaf folder with alternate use of Endosulfan and Cypermethrin	8	36.2	42.7	8960	12160

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Time of incidence Infestation management Yield	After 50 DAS 37% 36.2	After 50 DAS More than 93% of two sprayer with each chem. 42.7	-Improper time of spraying - Also dose selection & procedure	93% infestation management with an increase in yield by 18%	Farmers are satisfied as the infestation could be reduced by 93 % before reproductive stage of the crop B:C ratio 1.51

OFT-8

Table i

Name of the technology	**ASSESMENT OF IPM MODULE FOR WILT DISEASE IN TOMATO**				
Season	Kharif 2008	**Farming situation (IR/R)**	Rainfed	**Soil type**	Alluvial

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
IPM	Tomato	Seed treat with carbendazim + seedling root dip with carbendazim, Plantomycin & Furadon with need base spray then after	10	203	268	39900	57400

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Wilt incidence	16.8 %	0.5 %	No seed seedling treatment and improper spraying procedure	Wilt incidence reduced by 97% in RP with an increase of yield by 32%	Both seed and seedling root dip in very much helpful in reducing the wilt complex in tomato B:C ratio is 3.4
Time of incidence	12 days after planting	At flowering			
Yield	203 q/ha	268 q/ha			

OFT-9

Table i

Name of the technology	**ASSESMENT OF GROWTH OF JAYANTI ROHU**				
Season	Kharif & rabi	**Farming situation (IR/R)**	Pond based (IR/R)	**Soil type**	Clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Composite fish culture	Pisciculture	**T_1**- Stocking of fingerlings of local Rohu **T_2**- Stocking of fingerlings of Jayanti Rohu	5	On going			

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Growth, yield	On going				Growth of sampled Jayanti Rohu was better than local Rohu. No disease occurrence till date.

OFT-10

Table i

Name of the technology	**ASSESMENT OF OUAT COLOUR BIRD**				
Season	Kharif	**Farming situation (IR/R)**	Household backyard situation	**Soil type**	-

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (kg/bird)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Poultry production	Poultry rearing	**T_1-** rearing of local bird **T_2-** rearing of OUAT colour bird	6	1.2	2.6	60/ bird	110 / bird

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Mortality % Body weight (kg / bird)	1 1.2	3 2.6	Rearing of Desi bird	OUAT synthetic colour bird grew 116% more than Desi bird.	Poor performance of Desi poultry bird with respect to body wt. B:C for recommended practice is 2.7:1

OFT-11

Table i

Name of the technology	**ASSESSMENT OF DUCK BREED**				
Season	Kharif & rabi	**Farming situation (IR/R)**	Pond based (IR/R)	**Soil type**	Clay loam

Table ii

Thematic Area	**Crop/ Enterprises**	**Details of Technology**	**No. of OFT**	**Yield (q/ha)**		**Net Return (Rs/ha)**	
				FP	**RP**	**FP**	**RP**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Poultry production	Duck farming	**T_1-** Rearing of local duck **T_2-** rearing of duck breed (cross breed)	6	1.25 kg + 60 eggs	2.3 kg + 135 eggs	188/bird	359/bird

Table iii

Information on other parameters of OFT			**Farmers practice**	**Performance**	**Remark**
Name	**Data FP (with unit)**	**Data RP (with unit)**			
9	**10**	**11**	**12**	**13**	**14**
Mortality % Body weight (kg) / bird	01 1.25 kg + 60 eggs	03 2.3 kg+135eggs	Rearing of local duck	Duck breed grew 84% more than local duck with 125% increase in egg laying capacity	I. Growth is more than local duck. II. Imbalance feeding leads to decrease in egg production. III. Over wt. may increase the body wt., but decrease in egg laying capacity. B:C for recommended practice is 3:1

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2007-08 and recommended for large scale adoption in the district.

Sl. No.	Thematic Area	Technology demonstrate	Details of popularization methods suggested to the extension system	Horizontal spread of technology		
				No of village	No of farmers	Area in ha
1	Crop production	High yielding rice in medium to low land situation var. Pratikshya	Demonstration, GD.	8	72	140
2.	Integrated Crop Management	Package demonstration of scented rice var. Ketakijuha	Demonstration, Group Discussion	3	20	15
3	Cultivation of fruits	High yielding papaya cultivation	Training exposure visit, literature	07	07	1.1
4	IPM	Need based pesticide application	ID, field day, training, exposure visit	08	82	162
5	IPM	Neem based pesticide application to control fruit shoot borer in brinjal	Training, GD, demonstration	03	14	3.2
6	IDM	Spraying bordeux Mixture to manage leaf and stem blight in betel vine	GD, field visit, Training, demonstration	09	17	-
7	Crop production	Groundnut cultivation	GD, Field visit, Training	06	44	32
8	Crop production	Green gram & Black gram cultivation	Training, EF, Field day	04	42	14
9	Home science	Nutritional gardening	GD, field visit, demonstration	02	12	1.2
10	Mushroom	Use of hand operated straw cutter	GD, Training, demonstration	07	38	-
11	Honeybee	Rearing of honeybee	CD Show Training demonstration	01	03	-
12	Fishery	Composite fish farming	Training, CD Show, field day	04	08	1.24
13	Fishery	Introduction of Magur culture	GD, field visit, demonstration	04	07	0.1
14	Fishery	Poultry- cum-pisciculture	GD, field visit, demonstration	03	09	-

B. Details of FLDs implemented during 2008-09 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl No	Crop	Thematic area	Technology Demonstrated	Season and year 2006-07	Area (ha)		No of farmers /demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ ST	Others	Total	
1	Rice	Cropping system	High yielding rice in medium to low land situation var. Pratikshya	Kharif	2	2	2	8	10	-
2	Rice	Crop diversification	High yielding aromatic paddy variety cv. Ketakijuha in medium low land situation.	Kharif	2	2	1	9	10	-
3.	Rice	Crop Nutrition	Nitrogen management in lowland paddy	Kharif	4	4	1	9	10	-
4	Coconut	Plantation crop production management	Growing of dwarf coconut	Kharif	0.56	0.56				-
5	Banana	Cultivation of fruits	Growing of T.C Banana	Kharif	0.45	0.45		5	5	-
6	Papaya	Cultivation of fruits	Growing of high yielding papaya	Kharif	0.04	0.04		2	2	-
7	Brinjal	IDM	Cultivation of wilt resistant variety of Brinjal	Kharif	0.4	0.13	6	6	6	Non availability of planting materials
8	Cauliflower	IPM	Application of born in cauliflower	Rabi	1	1	2	8	10	
9	Oyster mushroom	Mushroom cultivation	Bag method, use of spawn, sterilization	2008-09	300 Nos	300 Nos				
	Nutritional gardening	Household food security	Proper layout, crop rotation staggered planting	2008-09	.01	.01		10	10	
12	Mushroom	IPM	Need base pesticide application in pest disease management in mushroom	Summer kharif 2008	200 beds	200 beds	2	8	10	
13	Chilli	IPM	Thrips management by spraying chemical	Rabi 2008	4 ha	4 ha	2	8	10	
14	Brinjal	IPM	Neem base pesticide application	Rabi 2008	2 ha	2 ha	4	6	10	
11	Fish farming	Fishery	Composite fish farming	Kharif & Rabi	1.2	1.24	2	6	8	
12	Fish farming	Fishery	Introduction of Magur culture	Kharif & Rabi	0.08	0.1	-	8	8	
13	Fish farming	Fishery	Poultry-cum-fish farming	Kharif & Rabi	-	-	-	3	3	
14	Fish farming	Fishery	Composite fish farming	Kharif & Rabi	0.94	1.16	1	4	5	
15	Fish farming	Fishery	Desi Magur culture	Kharif & Rabi	0.24	0.25	1	4	5	
16	Fish farming	Fishery	Ornamental fish farming	Rabi	-	-	1	6	7	

Details of farming situation

Crop	Season	Farming situation (Rainfed/ irrigated)	Soil type	Status of soil (kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No of rainy days
				N	P_2O_5	K_2O					
Paddy (1)	Kharif	Irrigated	Alluvial	205	14	180	Pulse	5.7.08 to 10.7.08	25.12.08 to 30.12.08	--	-
Paddy (II)	Kharif	Rainfed & irrigated	Alluvial	222	15	195	Pulse	28.6.08 to 12.07.08	10.12.08 to 15.12.08	--	--
Paddy (III)	Kharif	Rainfed	Alluvial	220	15	195	Pulse	25.06.08 to 05.07.08	1.12.08 to 10.12.08		
Coconut	Kharif	Rainfed	Clay	209	14	180	Fallow	July, 08			
Banana	Kharif	Irrigated	Clay				Pulse	July, 08	March, 09		
Papaya	Kharif	Irrigated	Clay				Pulse	July, 08	March, 09		
Brinjal	Rabi	Irrigated	Clay				Pulse	Sept, 08	Feb, 09		
Cauliflower	Rabi	Irrigated	Sandy loam				Cucurbits	Sept, 08	Dec, 08		
Oyster mushroom	Rabi	Nil	NA								
Vegetables	Rabi	Irrigated									
Mushroom	Summer kharif 2008	House hold situation	-	-	-	-	-	20.5.08			
Chilli	Rabi 2008	Irrigated	Sandy loam	209	14	180	Rice	15.12.08	20.03.08		
Brinjal	Rabi 2008	Irrigated sandy loam	209	14	180	Rice	20.12.08	24.03.08			
Fish farming	Kharif & Rabi	Pond based (Rainfed & irrigated)	Clay-loam	30-50mg/ 100g	6-16mg/ 100g	-	Fish farming	18-09-07 26-09-07	09-04-08, 11-04-08, 23-04-08, 06-05-08	--	-

Fish farming	Kharif & Rabi	Pond based (Rainfed & irrigated)	Clay-loam	30-50mg/ 100g	6-16mg/ 100g	-	Fish farming	08-10-07	08-05-08, 14-05-08, 16-05-08	--	--
Fish farming	Kharif & Rabi	-	-	-	-	-	-	12.10.07	04-04-08	-	-
Fish farming	Kharif & Rabi	Irrigated	Clay-loam	30-50mg / 100g	6-16mg/ 100g	-	Fish farming	11-09-08, 22-10-08, 26-11-08	ON GOING		
Fish farming	Kharif & Rabi	Rainfed & irrigated	Clay-loam	30-50mg / 100g	6-16mg / 100g	-	Fish farming	12-8-08, 15-8-08, 17-8-08	ON GOING		
Fish farming	Rabi	-	Tank based	-	-	-	Used for boiling rice	15-12-08	ON GOING		
Groundnut	Rabi	Irrigated	Alluvial	209	14	180	Rice	8.1.09	-		
Greengram	Rabi	Irrigated	Alluvial	209	14	180	Rice	10.1.09	-		

Performance of FLD

Slno	Crop	Technology	Variety	No of	Area (ha)
1	2	3	4	5	6
1	Paddy (1)	High yielding rice in medium land situation	Pratikshya	10	2
2	Paddy (11)	Package demonstration of scented rice	Ketakijuha	10	2
3	Paddy (III)	Nitrogen management in low land rice	CR-1018	10	4
4	Coconut	Package demonstration	CVD MVD		0.56
5	Banana	Package demonstration	T.C.Banana	5	0.45
6	Papaya	Package demonstration	CO-2	2	0.04
7	Brinjal	Wilt Resistant Variety of Brinjal	Utkal keshari	6	0.13
8	Cauliflower	Borax application in cauliflower	-	10	1
9	Oyster mushroom	Bag method use of spawn, sterilization	Sajar Kaju	10	300 bags
10	Vegetables	Proper crop rotation, staggered planting	High yielding variety	10	.01
11	Mushroom	Disinfective mushroom beds with chemicals to suppress contamination	*V. volvacea*	10	200 beds
12	Chilli	Spraying chemical Thiomethaxone @ 125g ac/ha to manage thrips	Utkal Ava	10	4 ha
13	Brinjal	Soil & foliar application of neem base pesticides	Blue star	10	2 ha
14	Fish farming	Composite fish farming	Rohu,catla,mrigal,C.C.	8	0.24
15	Fish farming	Introduction of Magur culture	Desi magur	8	0.1
16	Fish farming	Poultry-cum-fish farming	Banaraja	3	
17	Fish farming	Composite fish farming	Rohu,catla,mrigal,C.C.	5	1.16
18	Fish farming	Desi Magur culture	Desi magur	5	0.25
19	Fish farming	Ornamental fish farming	Molly,gupy,sword tail	7	-
20	Greengram	Package of practice	Pusa visal	14	5
21	Groundnut	Package of practice	Smruti	12	5

Crop	Demo. Yield q/ha			Yield of local check	Increase in yield (%)	Data on parameter in relation to (grains/panicle)	
	H	L	A			Demo	Local
7	8	9	10	11	12	13	14
Paddy (1)	48.5	38.2	42.7	37.8	12.9	184	165
Paddy (11)	40.3	32.7	35.5	26.5	33.9	165	148
Paddy (I11)	53.2	42.7	45.8	40.5	13.1	298	184
Coconut	ON GOING						
Banana	3231	3010	3093	2887	7.14	-	-
Papaya	572	521	553	411	34.5	-	-
Brinjal	173	147	152	120	26.7	-	-
Cauliflower	129.4	100.3	125.5	110.2	13.8	-	-
Mushroom	1.8 / bed	1.2/bed	1.4/ bed	1.0/bed	40%	-	-
Chilli	20.2	16.1	19.6	15.8	24%	-	-
Brinjal	174	113	149	111	34%	-	-
Oyster mushroom	2.5 kg/bed	500 bed	1.5 kg/bed	-	32%	-	-
Nutritional garden	1.6	0.75	1.5	0.49	100	-	-
Fish farming	39.5	28.92	34.21	22.2	54.09	-	-
Fish farming	32.02	18.06	25.04	-	-	-	-
Fish farming	31q meat + 39.8q/h fish	21 q meat+29.2q/h fish	26 q meat+34.5q/h fish	-	-	-	-
Fish farming	ON GOING						
Fish farming	ON GOING						
Fish farming	ON GOING						
Greengram	9.1	6.4	7.6	4.2	81	-	-
Groundnut	23.8	17.2	18.9	14.1	34.04	-	-

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Paddy (1)	Kharif	Seeds and fertilizers	Medium land	42.7	37.8	12.9
Paddy (11)	Kharif	Seeds and fertilizers	Medium land	35.5	26.5	33.9
Paddy (I11)	Kharif	Seeds and fertilizers	Low land	45.8	40.5	13.1
Coconut	Kharif	Planting material	Upland	-	-	-
Banana	Kharif	Planting material	Upland / irrigated	3093	2887	7.14
Papaya	Kharif	Planting material & fertilizer	Medium land/irrigated	553	411	34.5
Brinjal	Rabi	Planting material	Upland / irrigated	152	120	26.7
Mushroom	Kharif	Chemicals	Homestead	1.4	1.0	40
Brinjal	Rabi	Neem cake oil	Irrigated	152	120	26.7
Chilli	Rabi	Pesticide	Irrigated	19.6	15.8	24
Cauliflower	Rabi	Boron	Upland / irrigated	125.2	110.2	13.8
Nutritional garden (Vegetables)	Rabi	Planting material	Backyard	1.5 Q/ha	Irregular	
Mushroom	Rabi	Spawn	Home stead	1.5 kg /bed	NA	
Greengram	Rabi	Seed fertilizer pesticide	Irrigated	7.6	4.2	81
Groundnut	Rabi	Seed fertilizer pesticide	Irrigated	18.9	14.1	34.04

Economic Impact

Analytical Review of component demonstration (Details of each component for rainfed/irrigated situations to be given separately for each season

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (profit) (Rs./ha)		Benefit cost Ratio (Gross Return/Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
18300	17950	34160	30240	15860	12290	1.87:1
17950	17500	31940	23850	13990	6350	1.78:1
18500	18050	36640	32400	18140	14350	1.91
ON GOING						
131150	117500	219350	199060	88200	81560	1.67:1
30100	29150	101300	79282	71200	50132	3.37:1
40133	31068	85348	67152	45215	36084	2.13:1
34210	32152	62375	52315	28165	20163	1.82:1
30	27	112	80	82	53	3.7:1
32500	31000	39200	31600	6700	600	1.2:1
41000	32000	84000	69600	43000	37000	2.0:1
70000	10550	120000	30000	50000	27200	2.4:1

25/ bag	NA	45/bag	NA	20/ bag	NA	1.8:1
107960	74000	205260	133200	97300	59200	1.9:1
130000	-	250000	-	82500	-	1.9:1
156000	-	361400	-	205400	-	2.3:1
ON GOING						
ON GOING						
ON GOING						
		22800	12600	14950	8060	2.9:1
		56720	38480	40540	32040	3.6:1
17300	15200	34000	27300	16700	12100	1.97:1
17800	15000	35400	26200	17600	11200	2.01:1
18000	16500	37800	29500	19800	13000	1.91:1
ON GOING						
131150	117500	219350	199060	88200	81560	1.67:1
30100	29150	101300	79282	71200	50132	3.37:1
40133	31068	85348	67152	45215	36084	2.13:1
34210	32152	62375	52315	28165	20163	1.82:1
30	27	112	80	82	53	3.7:1
32500	31000	39200	31600	6700	600	1.2:1
41000	32000	84000	69600	43000	37000	2.0:1
70000	10550	120000	30000	50000	27200	2.4:1
25/ bag	NA	45/bag	NA	20/ bag	NA	1.8:1
107960	74000	205260	133200	97300	59200	1.9:1
130000	-	250000	-	82500	-	1.9:1
156000	-	361400	-	205400	-	2.3:1
ON GOING						
ON GOING						
ON GOING						
		22800	12600	14950	8060	2.9:1
		56720	38480	40540	32040	3.6:1

Analytical Review of component demonstrations

Technical Feedback on the demonstrated technologies

Technology	Feedback
High yielding rice in medium land situation	Very suitable variety but timely non availability of quality seeds
Package demonstration of scented rice	Very good market yield but the total yield is very much reduced due to aromatic rice
Nitrogen management in low land rice	Non availability of Nimin in local market.
Cultivation of dwarf coconut	Availability & variety selection was unknown
Cultivation of tissue culture banana	Cost of initial investment is high, do not know the method of propagation
Cultivation of high yielding papaya	Acceptable to farming situation
Cultivation of wilt resistant brinjal	Varietal change has prove to be effective
INM in cauliflower	Application of technology increased yield but there was dearth of availability of borax in the market
Disease pest management in mushroom	Satisfied with easy practice as need base use of pesticide, also profitable
Thrips management through spraying Thiomethaxone	The infestation drastically reduce with this new chemical
Non chemical management of Brinjal fruit shoot borer	Soil application and foliar gray of Neembase pesticide is found effective
Cultivation of oyster mushroom	Easy & profitable enterprise
Nutritional garden	Fresh vegetable meet the nutritional requirement of the family& also fetch high value in market
Composite pisciculture	Farmers are convinced regarding yield & profit also compatible with existing farming system
Introduction of Magur culture	May be profitable in “chua”(small pond) based aquaculture

Farmer's reactions on specific technologies

Technology	Feedback
High yielding rice in medium land situation	Very good yielder with less disease and pest incidence compared to Swarna
Package demonstration of scented rice	Very good crop stand but with stem borer attack
Nitrogen management in low land rice	Better crop growth
Cultivation of dwarf coconut	On going
Cultivation of tissue culture banana	Procurement of planting material is a problem
Cultivation of high yielding papaya	Size of fruit & height of plant was appreciated along with its heavy yield attribute
Cultivation of wilt resistant brinjal	Concerned about storage of seed for next season
INM in cauliflower	Quality of the curd improved satisfied with application of boron
Disease pest management in mushroom	Soaking the straw in Bavistin solution keeps the bed free from contaminant
Thrips management through spraying Thiomethaxone	Twice spray of chemical with proper dose i.e. 125g/ha is effective
Non chemical management of brinjal fruit shoot borer	Foliar spray of neem oil just after clipping of affected branches is effective
Composite pisciculture	Catla grew more than others
Introduction of Magur culture	Applied feeds are in animal origin
Poultry -cum -fish farming	Faecal matter of Banaraja used in the pond for more production
Composite pisciculture	Catla grew more than others
Introduction of Magur culture	Applied feeds are in animal origin
Ornamental fish farming	Rearing in separate pot enhances the yield
Oyster mushroom	Supplement family food easy to manage, satisfactory return (Cost benefit ratio)
Nutritional gardening	Fresh vegetable available market expenditure for vegetables reduced family labour & leisure time utilize

Extension and Training activities under FLD

Sl. No.	Activity	No of activities organize	Number of participant	Remarks
1	Field days	9	272	FLD followed by Field Day
2	Farmers training	14	270	Training cum Demo.
3	Media coverage	2	-	Media Coverage (Radio talk)
4	Training for extension functionaries	5	50	Training cum Demo.

C. Details of FLD on Enterprises

(i) Farm implements

Name of the implement	Crop	No.of farmers	Area (ha)	Performance parameters /indicators	*Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon	Local check		
-	-	-	-	-	-	-	-	-

*** Field efficiency, labour saving etc.**

(ii) Livestock Enterprises

Enterprise	Breed	No.of farmers	No.of animals, poultry birds etc.	Performance parameters/indicators	*Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon	Local check		
Poultry rearing	Banraja	08	20 chicks	i. Technical observation ii. Economic indicator iii. Farmers reaction iv. Farmers practice	2.6 kg	1.2 kg	Banaraja grew more than 116% than local variety in 4 months	Performance was better than local variety net return for banaraja was Rs 110/- per bird where as net return in local variety was 60/- per bird

***Milk production, meat production, egg production, reduction in disease incidence etc.**

(iii) Other Enterprises

Enterprise	Variety/breed/ species/others	No.of farmers	No.of units	Performance parameters/ indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon	Local check		
Mushroom	Raising oyster mushroom	20	400 beds	-	1.8 kg /bed	-	43	High acceptability

3.3 Achievements on Training (Including the sponsored and FLD training Programmes):

A) ON Campus

Thematic Area	No.of courses	No.of participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A)Farmers & Farm Women								
I .Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated crop management	4	59	0	59	21	0	21	80
Fodder production								
Production of organic inputs	1	17	0	17	3	0	3	20
II. Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								

Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, shade Net etc.)	1	9	8	17	2	1	3	20
b) Fruits								
Training and pruning								
Training and Management of orchards								
Cultivation of fruit	2	14	19	33	6	1	7	40
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	9	-	9	6	-	6	15
Plant propagation techniques								
c) Ornamental plants								
Nursery management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of ornamental plants								
d) Plantation crops								
Production and management technology								
Processing and value addition								
e) Tuber crops								
Production and management technology								
Processing and value addition								
f) Spices								
Production and management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III. Soil Health and Fertility Management								
Soil fertility management	1	20	-	20	-	-	-	20

Soil and water conservation								
Integrated nutrient management								
Production and use of organic inputs								
Management of problematic soils	1	14	0	14	6	0	6	20
Micro nutrient deficiency in crops								
Nutrient use Efficiency								
Soil and water Testing	2	33	5	38	2	0	2	40
IV. Livestock Production and Management								
Dairy management								
Poultry management								
Piggery management								
Rabbit management								
Disease management								
Feed management								
Production of quality animal products								
V. Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural women								
Location specific drudgery reduction technologies								
Rural crafts								
Women and child care								
VI . Agril. Engineering								

Installation and maintenance of micro irrigation systems								
Use of plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	2	28	4	32	6	2	8	40
Small scale processing and value addition								
Post Harvest technology	1	15	0	15	5	0	5	20
VII. Plant Protection								
Integrated pest management	6	75	21	96	22	7	29	125
Integrated Disease management	2	37	-	37	3	-	3	40
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII. Fisheries								
Integrated fish farming	1	30	-	30	-	-	-	30
Carp breeding and hatchery management								
Carp fry and fingerling rearing	1	18	-	18	2	-	2	20
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes	1	20	-	20	-	-	-	20
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX. Production of inputs at site								
Seed production								
Planting material production	1	8	2	10	-	-	-	10
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								

Vermi -compost production								
Organic manures production	1	14	4	18	1	1	2	20
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of fish feed								
X. Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	7	2	9	1	-	1	10
WTO and IPR issues								
XI. Agro-Forestry								
Production technologies								
Nursery management								
Integrated farming systems								
XII. Others (Pl. Specify)								
Mushroom culture	**2**	**16**	**16**	**32**	**3**	**5**	**8**	**40**
Post harvest management of fruits	1	16	-	16	4	-	4	20
Value addition in horticultural crops	1	15	-	15	5	-	5	20
Vegetable cultivation	1	14	-	14	1	-	1	15
TOTAL	**35**	**488**	**81**	**569**	**99**	**17**	**116**	**685**
(B) RURAL YOUTH								
Mushroom production	1	14	4	18	1	1	2	20
Bee-keeping	2	11	17	28	1	1	2	30
Integrated farming								
Seed production	1	13	0	13	7	0	7	20
Production of organic inputs	1	19	-	19	1	-	1	20
Integrated farming								
Planting material production								
Vermi-culture	1	9	0	9	1	0	1	10
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								

Repair and maintenance of farm machinery and implements	1	15	-	15	5	-	5	20
Nursery management of Horticulture crops								
Training and pruning or orchards								
Value addition	4	48	3	51	7	2	9	60
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and stitching								
Rural crafts								
Agro enterprises	1	-	15	15	-	5	5	20
Agro processing unit								
Commercial floriculture	1	-	10	10	-	5	5	15
Commercial tuber crop	1	18	-	18	2	-	2	20
TOTAL	**14**	**147**	**49**	**196**	**25**	**14**	**39**	**235**
© Extension Personnel								
Productivity enhancement in field crops	1	9	0	9	1	0	1	10
Integrated pest management	1	10	-	10	5	-	5	15
Integrated nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								

Formation and management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Crop Planning and budgeting	1	9	0	9	1	0	1	10
Hybrid Seed Production	1	8	0	8	2	0	2	10
Prospects of medicinal plant cultivation								
IFS model	1	7	2	9	1	-	1	10
Fish culture	1	9	-	9	1	-	1	10
Spawn production								
Leadership development								
Income generating								
PRA exercise								
Management of CPR								
Scenario of horticultural crops	1	7	-	7	3	-	3	10
TOTAL	**7**	**59**	**2**	**61**	**14**	**0**	**14**	**75**

B) OFF Campus

Thematic Area	No.of courses	No.of participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A)Farmers & Farm Women								
I. Crop Production								
Weed Management	1	14	0	14	6	0	6	20

Resource Conservation Technologies								
Cropping Systems	1	14	0	14	6	0	6	20
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated crop management	3	47	0	47	13	0	13	60
Fodder production	1	11	5	16	3	1	4	20
Production of organic inputs								
II. Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	17	-	17	3	-	3	20
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, shade Net etc.)								
b) Fruits								
Training and pruning								
Training and Management of orchards								
Cultivation of fruit	1	11	-	11	9	-	9	20
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental plants								
Nursery management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of ornamental plants								
d) Plantation crops								
Production and management technology								

Processing and value addition								
e) Tuber crops								
Production and management technology	1	12	-	12	8	-	8	20
Processing and value addition								
f) Spices								
Production and management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III. Soil Health and Fertility Management								
Soil fertility management								
Soil and water conservation								
Integrated nutrient management	1	5	7	12	3	5	8	20
Production and use of organic Inputs								
Management of problematic soils								
Micro nutrient deficiency in crops	1	11	0	11	9	0	9	20
Nutrient use Efficiency	1	15	5	20	-	-	-	20
Soil and water Testing								
IV. Livestock Production and Management								
Dairy management								
Poultry management								
Piggery management								
Rabbit management								
Disease management								
Feed management								
Production of quality animal products								
V. Home Science/Women								

empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	-	15	15	-	5	5	20
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural women								
Location specific drudgery reduction technologies								
Rural crafts								
Women and child care								
VI .Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest technology								
VII. Plant Protection								
Integrated pest management	7	120	7	127	18	5	23	150
Integrated Disease management	2	37	-	37	3	-	3	40
Bio-control of pests and diseases	1	20	-	20	-	-	-	20
Production of bio control agents and bio pesticides								
VIII. Fisheries								

Integrated fish farming	1	18	-	18	2	-	2	20
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture	1	-	14	14	-	6	6	20
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming	1	19	-	19	1	-	1	20
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Magur culture	1	16	-	16	4	-	4	20
Fish diseases	1	19	-	19	1	-	1	20
IX. Production of inputs at site								
Seed production	1	7	-	7	3	-	3	10
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi -compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of fish feed								
X. Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and management of SHGs								
Mobilization of social								

capital								
Entrepreneurial development of farmers/youths	1	17	-	17	3	-	3	20
Waste management	1	14	-	14	1	-	1	15
XI. Agro-Forestry								
Production technologies								
Nursery management								
Integrated farming systems								
XII. Others pl.specify								
Use of harvester in fruit crop								
Propagation techniques of fruit plants								
Selection of varieties in vegetable								
Sustainable agriculture								
TOTAL	**31**	**444**	**53**	**497**	**96**	**22**	**118**	**615**
(B) RURAL YOUTH								
Mushroom production								
Bee-keeping								
Integrated farming								
Seed production	1	10	0	10	10	0	10	20
Production of organic inputs								
Integrated farming								
Planting material production	1	19	-	19	1	-	1	20
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Commercial tuber crop production								
Medicinal plant								
Repair and maintenance of farm machinery and implements	2	23	2	25	14	1	15	40
Nursery management of Horticulture crops	1	10	7	17	3	-	3	20
Training and pruning or orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								

Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Magur rearing	1	20	-	20	-	-	-	20
Fry and fingerling rearing	1	18	-	18	2	-	2	20
Small scale processing								
Post Harvest Technology	2	21	8	29	9	2	11	40
Tailoring and stitching								
Rural crafts								
Betelvine cultivation	1	13	5	18	2	-	2	20
Group formation	1	14	-	14	1	-	1	15
TOTAL	**12**	**156**	**24**	**180**	**42**	**3**	**45**	**225**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated pest management	3	20	3	23	5	2	7	30
Integrated nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	1	8	2	10	-	-	-	10
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								

Livestock feed and fodder production								
Household food security								
Women and child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Seed production								
IIFS								
Spawn production								
Leadership development	1	8	2	10	-	-	-	10
Fish farm management	1	10	-	10	-	-	-	10
Income generating								
PRA exercise								
Management of CPR								
Value addition	1	6	-	6	4	-	4	10
Management of horticultural crops	1	9	-	9	1	-	1	10
TOTAL	**8**	**61**	**7**	**68**	**10**	**2**	**12**	**80**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No.of courses	No.of participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A)Farmers & Farm Women								
I .Crop Production								
Weed Management	1	14	-	14	6	-	6	20
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification	1	14	-	14	6	-	6	20
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated crop management	7	106	-	106	34	-	34	140
Fodder production	1	11	5	16	3	1	4	20
Production of organic inputs	1	17	0	17	3	0	3	20

II. Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	17	-	17	3	-	3	20
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, shade Net etc.)	1	9	8	17	2	1	3	20
b) Fruits								
Training and pruning								
Training and Management of orchards								
Cultivation of fruit	3	25	19	44	15	1	16	60
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	9	-	9	6	-	6	15
Plant propagation techniques								
c) Ornamental plants								
Nursery management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of ornamental plants								
d) Plantation crops								
Production and management technology								
Processing and value addition								
e) Tuber crops								
Production and management technology	1	12	-	12	8	-	8	20
Processing and value addition								
f) Spices								
Production and management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management								

technology								
Post harvest technology and value addition								
III. Soil Health and Fertility Management								
Soil fertility management	1	20	-	20	-	-	-	20
Soil and water conservation								
Integrated nutrient management	1	5	7	12	3	5	8	20
Production and use of organic Inputs								
Management of problematic soils	1	14	-	14	6	-	6	20
Micro nutrient deficiency in crops	1	11	-	11	9	-	9	20
Nutrient use Efficiency	1	15	5	20	-	-	-	20
Soil and water Testing	2	33	5	38	2	-	2	40
IV. Livestock Production and Management								
Dairy management								
Poultry management								
Piggery management								
Rabbit management								
Disease management								
Feed management								
Production of quality animal products								
V. Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	-	15	15	-	5	5	20
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural women								
Location specific drudgery reduction technologies								
Rural crafts								
Women and child care								

VI . Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	2	28	4	32	6	2	8	40
Small scale processing and value addition								
Post Harvest technology	1	15	-	15	5	-	5	20
VII. Plant Protection								
Integrated pest management	13	195	28	223	40	12	52	275
Integrated Disease management	4	74	-	74	6	-	6	80
Bio-control of pests and diseases	1	20	-	20	-	-	-	20
Production of bio control agents and bio pesticides								
VIII. Fisheries								
Integrated fish farming	2	48	-	48	2	-	2	50
Carp breeding and hatchery management								
Carp fry and fingerling rearing	1	18	-	18	2	-	2	20
Composite fish culture	1	-	14	14	-	6	6	20
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes	1	20	-	20	-	-	-	20
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming	1	19	-	19	1	-	1	20
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Magur culture	1	16	-	16	4	-	4	20
Fish Disease	1	19	-	19	1	-	1	20
IX. Production of inputs at site								
Seed production	1	7	-	7	3	-	3	10
Planting material production	1	8	2	10	-	-	-	10
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi -compost production								
Organic manures production	1	14	4	18	1	1	2	20
Production of fry and fingerlings								

Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of fish feed								
X. Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	2	24	2	26	4	-	4	30
Mushroom culture	2	16	16	32	3	5	8	40
Waste management	1	14	-	14	1	-	1	15
XI. Agro-Forestry								
Production technologies								
Nursery management								
Integrated farming systems								
XII. Others (Pl. Specify)								
Post harvest management of fruits	1	16	-	16	4	-	4	20
Value addition	1	15	-	15	5	-	5	20
Vegetable cultivation	1	14	-	14	1	-	1	15
TOTAL	**66**	**932**	**134**	**1066**	**195**	**39**	**234**	**1300**
(B) RURAL YOUTH								
Mushroom production	2	22	6	28	1	1	2	30
Bee-keeping	2	11	17	28	1	1	2	30
Integrated farming								
Seed production	2	23	-	23	17	-	17	40
Production of organic inputs	1	19	-	19	1	-	1	20
Integrated farming								
Planting material production	1	19	-	19	1	-	1	20
Vermi-culture	1	9	-	9	1	-	1	10
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Commercial tuber production								
Medicinal plant								
Repair and maintenance of farm machinery and implements	3	38	2	40	19	1	20	60
Nursery management of Horticulture crops	1	10	7	17	3	-	3	20

Training and pruning or orchards								
Value addition	4	48	3	51	7	2	9	60
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing	1	18	-	18	2	-	2	20
Small scale processing								
Post Harvest Technology	2	21	8	29	9	2	11	40
Tailoring and stitching								
Rural crafts								
Agro enterprises	1	-	15	15	-	5	5	20
Agro processing unit								
Commercial floriculture	1	-	10	10	-	5	5	15
Commercial tuber crop	1	18	-	18	2	-	2	20
Betel vine	1	13	5	18	2	-	2	20
Magur rearing	1	20	-	20	-	-	-	20
Group formation	1	14	-	14	1	-	1	15
TOTAL	**26**	**303**	**73**	**376**	**67**	**17**	**84**	**460**
(C) Extension Personnel								
Productivity enhancement in field crops	1	9	-	9	1	-	1	10
Integrated pest management	4	30	3	33	10	2	12	45
Integrated nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and management of SHGs								
Group Dynamics and farmers organization								
Information networking among								

farmers								
Capacity building for ICT application	1	8	2	10	-	-	-	10
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Value addition	1	6	-	6	4	-	4	10
Scenario of horticultural crops	1	7	-	7	3	-	3	10
Management of horticultural crops	1	9	-	9	1	-	1	10
IIFS	1	7	2	9	1	-	1	10
Spawn production								
Leadership development								
Income generating								
PRA exercise								
Management of CPR	1	9	-	9	1	-	1	10
Hybrid seed production	1	8	-	8	2	-	2	10
Fish culture	1	9	-	9	1	-	1	10
Fish farm management	1	10	-	10	-	-	-	10
TOTAL	**15**	**120**	**9**	**129**	**24**	**2**	**26**	**155**

Note: Please furnish the details of training Programme **as Annexure in the proforma** given below

Agronomy

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants		
					Male	Female	Total
21.4.08 &22.4.08	F & FW	Use of improved agricultural implements in paddy	2	On	20	0	20
25.04.09 & 26.4.08	F & FW	Improved cultivation practices of Sugarcane	2	On	20	0	20
29.4.08 &30.4.08	F & FW	Techniques of soil sample collection	2	On	20	0	20
19.5.08 to 24.05.08	RY	Certified seed production technology of paddy	6	On	20	0	20
28.5.08 to 30.5.08	F & FW	Improved package and practice of direct seeded upland paddy	3	On	20	0	20
18.6.08 to20.6.08	F & FW	Package and practices of scented rice	3	On	20	0	20
23.6.08 to 25.6.08	F & FW	Management practices of hybrid rice	3	On	20	0	20
18.8.08 & 19.8.08	F & FW	Use of Organic manure in crop production	2	On	20	0	20
21.8.08 & 22.8.08	F & FW	Use of farm machineries after harvest of paddy	2	On	20	0	20
27.8.08 & 28.8.08	F & FW	Boron management in Sunflower crop	2	Off	20	0	20
10.9.08 & 11.9.08	F & FW	Management of saline soil	2	On	20	0	20
16.9.08	F & FW	Intercropping system in uplands	1	Off	20	0	20
24.9.08	F & FW	Weed management in paddy cultivation	1	Off	20	0	20
23.10.08 & 24.10.08	RY	Drudgery reduction in paddy cultivation	2	Off	20	0	20
8.11.08	F & FW	Use of Biofertilizers in non legume crops	1	Off	8	12	20
15.11.08	F & FW	Fodder oat and berseem cultivation	1	Off	14	6	20
20.11.08	IS	Use of SRI method of paddy cultivation under upland and medium land condition	1	On	10	0	10
24.11.08	IS	Crop planning and budgeting	1	Off	10	0	10
10.12.08 & 11.12.08	F & FW	Integrated water and nutrient management in Toria	2	Off	20	0	20
01.1.09 to 05.1.09	RY	Vermiculture and vermicompost production techniques	5	Off	10	0	10
6.1.09	RY	Operation, maintenance and repair of equipments in crop production	1	Off	17	3	20
5.2.09 & 6.2.09	F & FW	Use of improved agricultural implements in paddy	2	On	14	6	20
1.3.09 & 2.3.09	IS	Hybrid rice cultivation	2	On	4	6	10
3.3.09 to 7.3.09	RY	Paddy seed production	5	Off	20	0	20
9.3.09 & 10.3.09	F & FW	Improved package and practices of sugarcane cultivation	2	Off	20	0	20
23.3.09 & 24.3.09	F & FW	Improved package and practices of direct seeded upland paddy	2	Off	20	0	20

Horticulture

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
6.5.08-7.5.08	F/FW	Post harvest management of fruits	2	ON	20	-	20	4	-	4
17.6.08	F/FW	Tissue culture banana cultivation	1	OFF	20	-	20	9	-	9
6.8.08-7.8.08	F/FW	Package of practices for papaya cultivation	2	ON	-	20	20	-	1	1
8.9.08-9.9.08	F/FW	Selection of varieties for vegetable cultivation with special reference to wilt resistance of brinjal	2	ON	20	-	20	-	-	-
25.9.08	F/FW	Nursery raising of vegetables	1	OFF	20	-	20	3	-	3
30.9.08	F/FW	colocassia production and management	1	OFF	20	-	20	8	-	8
20.10.08-21.10.08	F/FW	Package of practices for papaya cultivation	2	ON	20	-	20	6	-	6
11.11.08-12.11.08	F/FW	Dehydration of fruits and vegetables for value addition	2	ON	20	-	20	5	-	5
27.1.09-30.1.09	F/FW	Hi-tech Horticulture and precision farming	4	ON	11	9	20	2	1	3
10.2.09	F/FW	Water management in fruit crops through micro irrigation	1	ON	15	-	15	6	-	6
7.3.09	F/FW	Improved cultivation of Okra	1	ON	15	-	15	1	-	1

Horticulture

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
23.4.08	RY	Management of betel vine for income generation	1	OFF	15	5	20	2	-	2
19.6.08-20.6.08	RY	Development of entrepreneurship through nursery	2	OFF	20	-	20	1	-	1
14.7.08-167.08	RY	Commercial cultivation of mango	3	ON	7	13	20	2	1	3
12.8.08-13.8.08	RY	Entrepreneurship development through coconut nursery	2	OFF	13	7	20	3	-	3
15.9.08-19.8.08	RY	Cultivation of commercial flowers	5	ON	-	15	15	-	5	5
23.9.08	RY	Value addition in betel vine	1	ON	15	5	20	5	2	7
13.10.08-18.10.08	RY	Commercial cultivation of tuber crops	5	ON	20	-	20	2	-	2
2.12.08-4.12.08	RY	Commercial cultivation of TC banana	3	ON	11	4	15	1	-	1
18.2.09-20.2.09	RY	Packaging and marketing of vegetables for income generation	3	OFF	20	-	20	7	-	7
2.3.09-6.3.09	RY	Value addition in horticultural crops	5	ON	20	-	20	2	-	2

Horticulture

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
24.4.08-25.4.08	IS	Production diversification and value addition in horticultural crops	2	OFF	10	-	10	4	-	4
17.7.08-18.7.08	IS	Management of horticultural crops under water shed	2	OFF	10	-	10	1	-	1
17.11.08-21.11.08	IS	Changing the scenario of production of Horticultural crops in the district	5	ON	10	-	10	3	-	3

Plant Protection

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
28.04.08	F/FW	Borer management in sugarcane	1	OFF	30	-	30	07	-	07
11.06.08-13.06.08	F/FW	IPM in kharif rice-1	3	OFF	20	-	20	-	-	-
5.08.08-6.08.08	F/FW	Use of ITK for pest complex of paddy	2	ON	20	-	20	03	-	03
8.08.08	F/FW	Wilt management in solanaceous vegetables	1	OFF	20	-	20	03	-	03
12.08.08-14.08.08	F/FW	IPM in kharif rice-II	3	OFF	20	-	20	-	-	-
15.09.08-17.09.08	F/FW	IDM in Betelvine	3	OFF	20	-	20	-	-	-
18.09.08-19.09.08	F/FW	Use of neembase pesticide for pest control	2	OFF	20	-	20	-	-	-
22.09.08-24.09.08	F/FW	IPM in kharif rice –III	3	OFF	20	-	20	-	-	--
17.10.08-18.10.08	F/FW	Cultural & mechanical pest control in vegetable	2	OFF	20	-	20	02	-	02
5.11.08-6.11.08	F/FW	Pest & disease management in tomato	2	ON	16	04	20	02	03	05
12.11.08	F/FW	Management of thrips in chilli	1	ON	20	-	20	07	-	07
3.01.09	F/FW	DBM management in cauliflower & cabbage	1	OFF	09	11	20	04	05	09
6.01.09-7.01.09	F/FW	Techniques of safe grain storage	2	OFF	12	08	20	04	02	06
21.01.09-24.01.09	F/FW	Disease & pest management in Rabi pulse crop	4	ON	25	-	25	05	-	05
3.02.09	F/FW	Management of mango hopper	1	OFF	19	01	20	05	-	05
3.3.09-4.3.09	F/FW	Disease pest management in rose & marigold	2	ON	07	13	20	01	02	03

Plant Protection

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
19.5.08-22.5.08	RY	Maintenance & operation principles of plant protection equipments	4	ON	20	-	50	5	-	5
8.7.08-10.7.08	RY	Preparation of Neem base pesticide	3	ON	20	-	20	1	-	1
12.1.09-16.1.09	RY	Rearing of honey bee	5	ON	7	8	15	1	1	2
11.2.09-12.2.09	RY	Post harvest care & maintenance of storage go down	2	OFF	10	10	20	2	2	4
17.3.09-21.3.09	RY	Rearing of honey bee	5	ON	5	10	15	-	-	-
22.4.08-23.4.08	IS	IPM in vegetables	2	ON	15	-	15	5	-	5
23.5.08-24.5.08	IS	IDM in nursery	2	OFF	9	1	10	4	1	5
23.7.08-24.7.08	IS	Non chemical control of binjal fruit & shoot borer	2	OFF	9	1	10	-	1	1
5.12.08-6.12.08	IS	Disease pest management in banana	2	OFF	7	3	10	1	-	1

Fishery Science

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
19.6.08	F/FW	Pond management before & after stocking of fingerlings	1	ON	20	-	20	2	-	2
26-27.6.08	RY	Techniques for production of fingerlings of Indian major carps	2	OFF	20	-	20	2	-	2
10-11.7.08	FW	Techniques in composite fish farming	2	OFF	-	20	20	-	6	6
17-18.7.08	F/FW	Integrated fish farming	2	OFF	20	-	20	2	-	2
22-23.7.08	RY	Breeding and rearing techniques in Magur	2	OFF	20	-	20	-	-	-
4.8.08	F/FW	Supplementary feeding in pisciculture tank	1	ON	30	-	30	-	-	-
6-7.8.08	F/FW	Techniques in Desi Magur culture	2	OFF	20	-	20	4	-	4
12.8.08	IS	Pond and cage culture in fish farming system	1	ON	10	-	10	1	-	1
8-9.8.08	F/FW	Breeding and rearing in ornamental fish	2	ON	20	-	20	-	-	-
10-12.9.08	RY	Preparation methods of different fishery products	3	ON	10	-	10	-	-	-
16-17.9.08	F/FW	Shrimp farming	2	OFF	20	-	20	1	-	1
20.9.08	IS	Construction & design of fresh water fish farm	1	OFF	10	-	10	-	-	-
21-22.8.08	F/FW	Fish diseases and their control	2	OFF	20	-	20	1	-	1
20-22.11.08	RY	Preparation of fishery products	3	ON	10	-	10	-	-	-

Extension Education:

Title	On/off	Type	M	F	T	M	F	T	Total	
Recycling spent mushroom substrate for sustainable agriculture	ON	F/FW	14	04	18	01	01	02	20	June
Motivation techniques for establishment of SHG in rural sector	OFF	F/FW	-	15	15	-	05	05	20	February
Modern techniques of cultivating PSM in commercial scale (2 no.)	ON	F/FW	16	16	32	03	05	08	40	August/ September
Training or utilization of home and agricultural waste	OFF	F/FW	14	-	14	01	-	01	10	July
Mushroom spawn production technique	ON	F/FW	8	2	10	-	-	-	10	August
Entrepreneurship development through Agro Processing Units (APUs) in production catchment	OFF	F/FW	17	-	17	03	-	03	20	May
Self employment through IFS model by adoption of micro enterprises	ON	F/FW	07	02	09	01	-	01	10	October
Mushroom spawn production techniques	OFF	F/FW	07	-	07	03	-	03	10	November

Extension Education

Title	On/off	Type	M	F	T	M	F	T	Total	
Recycling spent mushroom substrate for sustainable agriculture	ON	RY	14	04	18	01	01	02	20	June
Formation & management of service provider group in PPP mode	OFF	RY	14	-	14	01	-	01	10	Dec
Management of Agri entrepreneur skill	ON	RY	-	15	15	-	05	05	20	Jan
Mushroom spawn production technique	OFF	RY	8	2	10	-	-	-	10	Mar
In Service										
Leadership development & decision making	OFF	IS	8	2	10	-	-	-	10	July
Self employment through IFS model by adoption of micro enterprises	ON	IS	07	02	09	01	-	01	10	September
ICT in agriculture	OFF	IS	07	-	07	03	-	03	10	March

Home science

Date	Clientele	Title of the training Programme	Duration in days	Venue (Off/On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
16-20.9.08	IS	Micro level planting through PRA	5	ON		11	11		4	4
23-27.9.08	FW	Applique work	5	OFF		10	10		0	0
3-4.10.08	FW	Nursery management	2	OFF		17	17		3	3
17-18.10.08	FW	Use of hand ridger vegetable cultivation	2	OFF		15	15		5	5
26-27.11.08	FW	Cultivation of oyster mushroom	2	OFF		18	18		2	2
26-27.12.08	FW	Low cost storage techniques	2	OFF		17	17		3	3
3-4.1.09	RY	Value addition to seasonal vegetables	2	ON		16	16		4	4
18-19.2.09	FW	Preparation of low cost recipes	2	OFF		19	19		1	1
27-28.2.09	RY	Preparation of value added milk products	2	ON		10	10			
17-18.3.09	RY	Value addition to low cost fish by salting and drying	2	OFF		11	11		9	9
12-13.01.09	IS	Nutritional care of would be mothers	2	ON		15	15		5	5
22-23.03.09	IS	Livestock feed and fodder production for SHG	2	OFF		10	10		5	5

(D) Sponsored training Programmes

Area	No. of Courses	No.of participants =					
					SC/ST		
		Male	Female	Total	Male	Female	Total
Mushroom culture	01	19	03	22	03	-	25
Fresh water aquaculture	01	05	12	17	04	04	25
Scientific production of major kharif crops	01	10	10	20	03	02	25
TOTAL	**03**	**34**	**25**	**59**	**10**	**6**	**75**

3.4 Extension Activities (Including activities of FLD Programmes) Extension activities

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	12	213	49	262	25	3	28	238	52	290
Kisan Mela	02	182	17	199	08	-	08	190	17	207
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	03	Not recorded								
Film Show	31	605	202	807	12	12	24	617	214	831
Method Demonstrations	18	Not recorded								
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	01	22	01	23	04	-	04	26	01	27
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	As and when needed									
Newspaper coverage	04	MASS MEDIA								
Radio talks	12	MASS MEDIA								
TV talks	04	MASS MEDIA								
Popular articles	3 set	-	-	-	-	-	-	-	-	-
Extension Literature	05	-								
Advisory Services		Routine process (not recorded)								
Scientific visit to farmers field	233	484	46	530	-	-	-	481	46	530
Farmers visit to KVK	-	579	29	608	27	02	29	608	29	637
Diagnostic visits	224	413	22	435	04	01	05	417	23	440
Exposure visits	02	26	10	36	-	-	-	26	10	36
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	02	27	-	27	03	-	03	30	-	30
GD & Meeting	19	352	82	434	04	03	07	356	89	445
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	02	Not recorded								
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-

Self Help Group Conveners meetings	02	Not recorded								
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Farmers fair	03	150	149	299	04	04	08	154	153	307
Celebration of important days (specify)	06	155	67	222	18	12	30	173	79	282
Interface with farmers scientist	09	201	97	298	06	01	07	207	98	305
Total	**594**	**3449**	**771**	**4220**	**119**	**28**	**147**	**3568**	**799**	**4367**

3.5 Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
CEREALS	Paddy	Swarna CR-1018, Pooja, Pratikshya Khandagiri	151.6		Disposed
		Swarna, CR-1018, Pooja, Pratikshya	40.50 60.30 59.40 33.00	2,81,680	Stock in hand
OILSEEDS	-	-	-	-	-
PULSES	-	-	-	-	-
VEGETABLES		-	-	-	-

*** Cash + stock** **NA- Not available (Public sale)**

SUMMARY

Slno	Crop	Quantity (qtl)	Value (Rs)	Provided to No. of Farmers
1	CEREALS	193.2	2,81,680	-
2	OILSEEDS			
3	PULSES			
4.	VEGETABLES			
5.	FLOWER CROPS			
6.	OTHERS			
	TOTAL			

*** Cash + stock**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Papaya,	Co -1, FS-1	820	2460	48
VEGETABLES	Chilli	Utkal Ava,	11120		
	Tomato	BT-10			
	Brinjal,	BB-45-C			
FOREST SPECIES					
ORNAMENTAL CROPS	Rose, seasonal				
PLANTATION CROPS					
MEDICINAL PLANT					
Others (specify)					

SUMMARY

Slno	Crop	Quantity (Nos)	Value (Rs)	Provided to No.of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS	Vermicompost		-	135	810	04
BIO PESTICIDES						

SUMMARY						
Slno	Product Name	Species	Quantity		Value (Rs)	Provided to No. of Farmers
			No	(Kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS	Vermicompost	-	135	810	04
3	BIO PESTICIDE	-	-	-	-	-
TOTAL		-	-	135	810	04

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
CATTLE	-	-	-	-	-	-
SHEEP AND GOAT	-	-	-	-	-	-
POULTRY	Colour Bird	Banaraja	124	-	2440	9
FISHERIES	Ornamental	Molly& Guppy	160	-	320	18

SUMMARY						
Slno	**Type**	**Breed**	**Quantity**		**Value (Rs)**	**Provided to No of farmers**
			Nos	**Kgs**		
1	CATTLE	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-
3	POULTRY	Banaraja				
4	FISHERIES	Molly & guppy				
5	OTHERS	A.indica				
	TOTAL					

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

(A) KVK News Letter (Date of start, Periodicity, number of copies distributed etc)

i. 2008 ii. Half yearly iii.1000 copies

(B) Literature developed/published

Item	Title	Authors name	Number	Budget head*from its expenditure incurred
Research papers	1) Efficacy of different chemicals in management of thrips in chilli 2) Effect of VAM on growth and yield of Onion 3) Nutrient management in Okra under coastal alluvial soil of Jagatsinghpur Orissa 4) Varietal performance of rice cultivars grown under coastal saline soils of Orissa 5) Pratikshya –A promising Paddy variety in coastal region 6) Some observations on ETL of pest complex in paddy & Varietal performance 7) Constraints faced by mushroom growers	KVK Source	Mass media	Environment and ecology International journal of Agricultural sciences The Orissa journal of Horticulture International journal of Agricultural sciences Published in Indian Farming (special issue July 07) National symposium on sustainable pest management Journal of extension education OUAT
Technical reports	Annual report (2008-09), Action Plan 2008-0 , PRA Study report , Seasonal FLD report on oilseed pulse 2008-09	-	-	Contingency
News letters	Krishishree	KVK Source	1000	KVK Contingency
Popular articles	1. Mushroom cultivation 2. Care of coconut orchard 3. Summer green gram 4. Self help group formation and activities	KVK Scientists		KVK Contingency
Extension literature	1. Crop management for waterlogged areas 2. Integrated pest management in pulse crops 3. Paddy straw mushroom cultivation 4. Agro environment – keep safe 5. Scope & potential of growing cash crop in coastal orissa 6. Scientific ways of growing arecanut 7. Crop strategy after flood 8. Care of day old chicks of poultries	KVK Scientists		KVK Contingency
Others	How to get more from mushroom	Kvk scientists		Revolving fund & contingency
Total				

Details of Electronic Media Produced

Slno	Type of media (CD/VCD/DVD/ Audio-Cassette)	Title of the Programme	Number
1	CD	Improved PSM cultivation	01
2	-do-	Empowerment of SHGs through Pisciculture	01

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

Success Story (I)

Varshadhan: A Suitable Variety for Medium Deep Waterlogged Ecosystem

Back Ground:

Out of total cultivated area of 1,05,700ha in this district of Jagatsinghpur 91,000ha are under Paddy cultivation and out of this a sizable area of 46,027ha is under lowland wherein people go for direct seeding of low yielding, lodging susceptible local varieties like Chakaakhi, Kalapatri, Barhagali, Kadalagaura, Panidhan, etc. Keeping in view such problems and after detailed survey the KVK, Jagatsinghpur made an attempt to substitute these local varieties in lowland medium deep waterlogged areas of the adopted villages with a newly released promising variety during *kharif* 2006.

Details of Technology:

The High Yielding variety "Varshadhan" (CRLC-899) released from Central Rice Research Institute in 2005-06 as a suitable variety for medium deep waterlogged (0-75cm) ecosystem. It is a tall (150cm) variety having yield potential of more than 40qtls/ha and matures in 165-180days. The grains are long bold and moderately resistant to Neck Blast, Bacterial Leaf Blight and Sheath Rot. It is also tolerant to iron toxicity and suitable for both late planting and direct seeding. The variety exhibited superior and wider range of adaptability and was found promising substituting traditional varieties. Keeping in view its high yielding, greater adaptability, multiple disease pest resistance and quality grains, the variety "Varshadhan" has been recommended for cultivation in Orissa and West Bengal.

Extension Approach:

Various approaches made by the scientists of the KVK for introduction of this newly released variety are as follows.

1. On farm testing
2. Training
3. Frontline demonstration
4. Advisory services to farmers
5. Exposure visit (KVK instructional farm and CRRI, Cuttack)
6. Field days
7. Leaflet and bulletins
8. Radio and TV programmes

Technology Transferred:

For varietal introduction, different extension approaches were made and interested farmers were supplied with truthful label seeds of Varshadhan by KVK, Jagatsinghpur and Central Rice Research Institute, Cuttack. The farmers of the adopted village- Sanimula of Tirtol and Gorada of Kujanga block cultivated this variety in their respective fields during *kharif* 2006. The variety Varshadhan could successfully out yield all other local varieties and recorded eye catching higher yield in lowlands without any sign of lodging. Moreover, the incidence of disease and pest was also less compared to other traditional varieties grown in the near vicinity in the lowland farming situation. By seeing the better performance of the introduced variety in both the villages, the farmers from near by villages approached KVK and the growing farmers for seeds. During *kharif* 2007, the area under Varshadhan expanded horizontally to 28ha from a mere 2ha during first year of introduction. After harvest, the popularity of Varshadhan rose to such an extent that the farmers from Redhua, Batitira, Majurai, Purunabasanta, Balansa village of Raghunathpur block and Baipada and Maindipur village of Biridi block have consulted the scientists of KVK to gather knowledge on the said technology. Due to efforts of KVK, scientists' field visit, interpersonal communication and individual efforts of the farmers, the variety Varshadhan could spread more than 50ha of area in this district. Farmers growing Varshadhan in the current season opined that the crop is found to have tolerance to water logging situation to such an extent that in this *kharif* 2008, it successfully overcame the floodwater submergence for 3-4 days during late tillering to stem elongation stage.

Adoption of Technology:

Out of contact farmers of KVK, five farmers were randomly selected for observation and the level of their adoption is as follows.

Farmers Name & address	Cultivation of Varshadhan			Farmers' reaction
	Total area (ha) in low land	Area under Varshadhan (ha)	Substitution (%)	
Dillip Ku. Biswal (F1) S/O-Late G. Biswal Vill-Gorada, Block- Kujanga	3.2	2.0	62.5	It yields more, Tillers profusely under direct seeding condition, No disease and pest incidence
Bipin Bihari Swain(F2) S/o- Late B. Biswal Vill- Redhua Block-Raghunathpur	1.3	1.0	70.9	It gives higher yield than other local varieties, Straw suitable for mushroom cultivation
Babaji Behara(F3) S/o- Dhuna Vill-Nimakana Block-Tirtol	0.8	0.3	37.5	Tillers profusely in spite of water logging situation
Dhrub Ch. Sahoo(F4) S/O- Late K. Sahoo Vill- Sanimula Block- Tirtol	0.6	0.4	66.7	Good yielder, synchronous flowering without lodging, suppresses weeds
Bijaya Ku Sahoo (F5) S/O- P. Sahoo Vill- Sanimula Block- Tirtol	0.8	0.45	56.3	Very good yield, It lodges when water level decreases in field in maturing stage.

Technological Intervention:

User	**Before**		**After**	
	Variety	**Yield (q/ha)**	**Variety**	**Yield (q/ha)**
F1	Chakaakhi and Panidhan,	28.6	Varshadhan	40.6
F2	Chakaakhi, Panidhan and Kalapatri	26.2		39.4
F3	Chakaakhi	27.3		37.8
F4	Barhagali,	25.9		38.5
F5	Kadaligaura, etc.	25.4		34.3

(Photo-1: Sri Dillip Kumar Biswal of Gorada growing Varshadhan)

(Photo-2: Group members of Batamahapurusa Farmers' club undertaking KVK OFT Programme on Varshadhan at Redhua, Raghunathpur)

(Photo-3:Sri Babaji Behera of Nimakana village happy over his better result of *cv.* Varshadhan compared to *cv.* Chakaakhi)

Conclusion:

An observation shows that the percentage of substitution in the filed of the selected growers is 47.53. The average production of Varshadhan is 38.12q/ha compared to 26.68q/ha in traditional varieties. In the present season, the average yield of Varshadhan may go beyond 45q/ha as the practicing farmers have taken improved package and practice like Integrated Nutrient Management, Integrated Pest and Disease Management strategies. Till now the conversion paddy varieties grown in low land situation with introduction of newly released Varshadhan is confined to the Farmers' Interested Group (FIG) only. However, the line departments and NGO personnel have taken adequate steps for further spread of such promising variety in this district.

Success Story (II)

INNOVATIVENESS MADE HIM PROGRESSIVE

Success story of Sri Nrusingha Charan Behera, growing Vegetable: A profit making enterprise.

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1) **Name of the enterprise/crop/practice:**

   Growing vegetables particularly Brinjal, bitter gourd, cowpea and cole crops

2) **Name of the farmer with address:**

   Name-Sri Nrusinga Charan Behera

   Village- Teramanpur, Kotasahi

   Gp-Sailo

   Po-Rahama

   PS-Tirtol

   Block-Kujanga

   Dist-Jagatsinghpur

3) **Initial Status:**

   Jagatsinghpur district has 94445 Hectare of cultivable land. The main crops grown are rice, green gram, black gram, sugarcane, groundnut, vegetables etc. Vegetables

are grown in 20440 hectare of land. The main vegetables grown in the district are cole crops, cucurbits, beans, peas, solanaceous crops etc.

Teramanpur a village of Kujang block is about 35 km from the district head-quarter, Jagatsinghpur .It is a small village with a population of 30 families, mostly marginal to small farmers. The village is situated on the banks of river Mahanadi. There is always a threat for floods in these areas during the rainy season. About 10 hectare of land in the area is under vegetable cultivation

Mr.N.C.Behera village- Teramanpur was a very sporadic vegetable grower two years back. He had 3 acres of fertile land, suitable for growing vegetables. He was growing only tomato and brinjal in these areas using locally available planting material and traditional methods of cultivation. He was not getting much return due to severe problem of fruit shoot borer in brinjal and bacterial wilting in both the crops. He was depending on a million well (bamphi) for the purpose of irrigation.

4) KVK Intervention:

Since 2005, Mr. Behera came in touch with the KVK scientist through one Farmer-Scientist interaction programme. Keeping in tune to his interest for growing Cole crops , Brinjal,Bittergourd & cowpea, he was intervened with one FLD for testing wilt resistant varieties of brinjal . He was also made aware on different aspect of vegetable cultivation by imparting both on and off campus training programme on topics like : 1. selecting varieties for cultivation of vegetable crops. 2. Cropping pattern in vegetable cultivation. 3. Application of micronutrients in vegetable crops. 4. IPM in vegetable crops.

5) Innovative Extension Approach:

Krishi Vigyan Kendra, Jagatsinghpur has exposed the farmers to extension approaches like Personal contact, interactive lecturate, interactive demonstration, CD show and field days. Necessary leaflets on the concern matter were provided to the farmers. Linkage was facilitated with NGO's and grass root extension workers for immediate help.

6) Details of the technology:

I. LAND PRERATATION

Summer ploughing was done to expose the land to sun to destroy all the pathogen in the field.

II. MANURING & FERTILISER APPLICATION

Basal dose of fertiliser for different crops was applied in the field.

III. SELECTION OF VARIETIES

Varieties were selected taking into consideration different aspect for cultivation like marketability, disease pest infestation and yield.

The varieties selected for different crops are:

Cauliflower-contessa , white cashmere

Cabbage-Konark

Cowpea-Navratna

Bittergourd-Coimbatore-long

Brinjal-Hazari, BB45-C, local black purple

Okra-BO-2, Mahyco Hybrids

IV. PLANTING WEEDING AND INTERCULTURE

These operations was carried out as per routine schedule

V. SPRAYING OF MICRONUTRIENTS

Tracel-1 was sprayed @5 g per liter for flower retention and fruiting. For cauliflower and cabbage Tracel-2 was sprayed to avoid boron and molybdenum deficiency.

VI. DISEASE PROPHYLAXIS

A prophylactic spray of Monocrotophos and Endosulphan was given separately at 15 days interval to control pest infestation. Bavistin was also sprayed to check any fungal attack.

7) Adoption of technology and benefit to the farmer:

He picked up the idea of the scientists for growing F-1 hybrids of different vegetables. IPM measures in vegetable crops as well as micronutrient application were two major additions to his knowledge and practice of farming. Mr.Nrusinga Charan Behera became very sound in his socio economic status after getting remarkable return from his farm produce. Some physical achievements he has within these three years of time are as follows.

	2004	2007
Vegetable area	3.0 acre	5.5 acres
Irrigation source		
Million well	1 no	2 nos
LI Point with-		
Pump house.	Nil	2 nos
Sprinkler irrigation set	Nil	1 Set

He has also achieved as regards to his financial status by getting very alluring price for his produce as the choice of crops, grown by him are very remunerative. His expenditure and gross annual return is placed as follows.

Expenditure and out come strategy of Sri N.Behera in the year 2006

Total area under vegetables = 5.5 acres

Slno	Crop	Area taken	Expenditure made during the year	Gross return
1	Cauliflower & Cabbage	1.5	25,000	85,000
2	Bitter gourd	0.5	5,000	17,500
3	Brinjal	1.0	12,000	50,000
4	Cowpea	1.0	10,000	26,000
5	Okra	1.5	18,000	56,000
Total		**5.5**	**70,000**	**2,34,500**

Sri Behera got gross return of Rs 2,34,000/- out of his cost of cultivation of Rs 70,000/- ultimately giving him a net profit of Rs 1,64,500/- per year.

8) Farmer's reaction and feedback:

a) Assured irrigation through his 2 nos of L1 points could make it possible to grow vegetable extensively in his field.

b) Regular growing tomato in same field reduces yield.

c) Brinjal variety BB45C has no market demand. This variety is susceptible to powdery mildew, which is not found in Hazari and local black purple variety.

d) White Kasmere variety of cauliflower gives better yield.

e) Cauliflower gives higher return then any other vegetable.

f) Little leaf and leaf blight creates problem for cultivation of bittergourd and reduces yield.

g) Bacterial wilt and fruit shoot borer is the major problem in growing brinjal.

h) Okra variety BO-2 is tolerant to YMV than Mahyco varieties.

i) IPM measures reduces pest and disease load in vegetables

10) Extent of diffusion effect of the newly adopted technology:

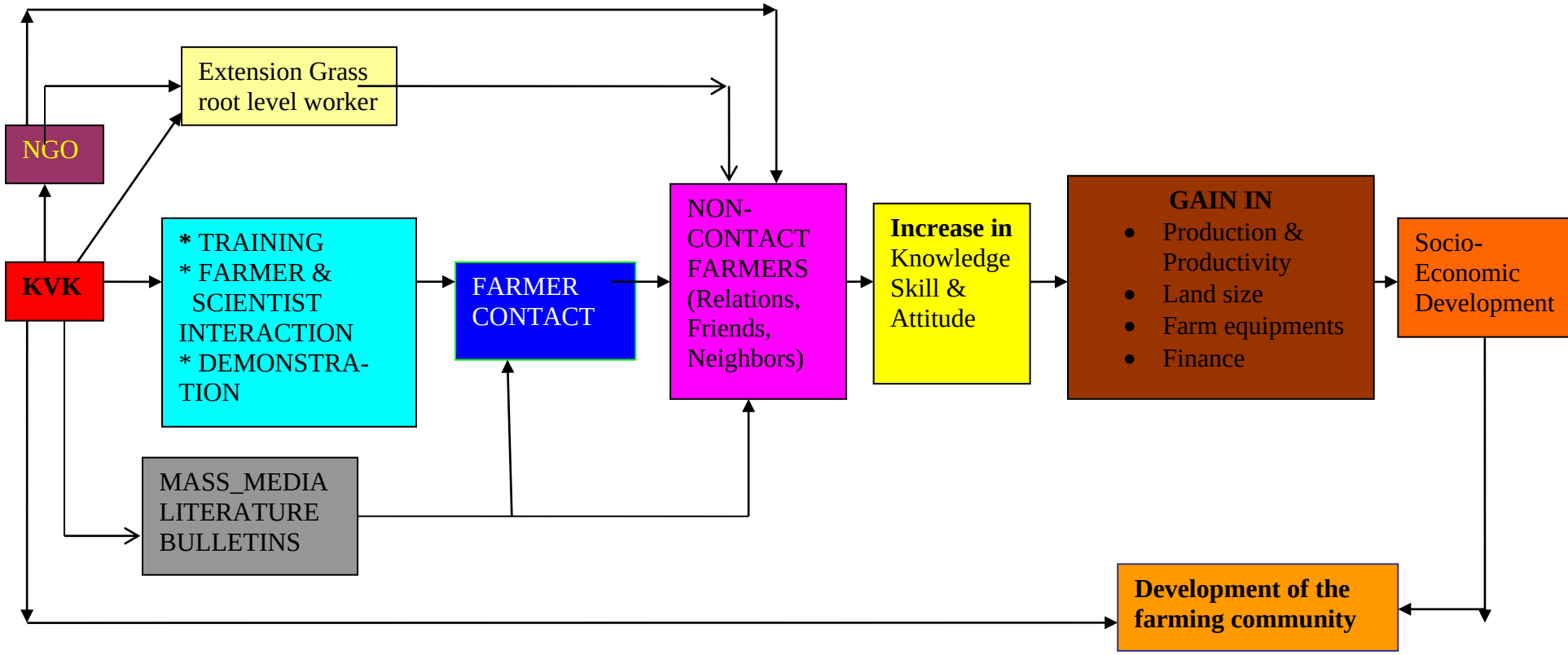
i) One field day programme organized by KVK at Teramanpur, with a gathering of the vegetable growers of kotasahi and Baliapada of Sailo panchayat was a turning point in the process of diffusion. Sri N.Behera also tried motivating in his personal level to the growers of near by villages to raise FI hybrids on commercial basis, which will be helpful in easy marketing. The newly adopted technologies which are in the process of diffusion are like.

1) Use of F1 hybrids of cauliflower and cabbage and C-long variety of bitter gourd.
2) IPM measures in vegetables.
3) Soil application of neem oil cake in brinjal against fruit shoot borer.
4) Sprinkler system of irrigation.
5) Micronutrient application to cauliflower & cabbage

11) Follow up action:

1) Scientists of KVK now taking steps for varietal replacement and imposing the growers to go for university released varieties of vegetables for both yield and disease pest resistance.
2) Crop rotation with legumes as well as change of plots for solanaceous vegetables from season to season.
3) IPM measures particularly use of pheromone traps, neem-cake and neem oil spray are being emphasized.
4) Group approach in growing vegetables for smooth commercialization.
5) Reducing chemical fertilisers and addition of sufficient organic manures, biofertilisers as well as use of micronutrients are taken care of for the succeeding seasons.

MODELS OF TECHNOLOGY DISSEMINATION:



3.8. Give details of innovative methodology or innovative technology of transfer of technology developed and used during the year.

1. Transfer of technology through progressive farmers in a particular vegetable as a trainer among other vegetable grower.
   Purpose:
   a. Increase motivation ability
   b. Exchange idea among farmers
   c. Collect information regarding inputs and techno
   d. Confidence built- up.

2. Published magazine "Krishishree"-a half yearly magazine in a simple and lucid language with up to date information purpose-easy to read and accept.
3. Acted role-play with one youth club in agriculture and allied sector during Hon'ble DDG's visit to KVK Jagatsinghpur.
   Purpose- Create awareness and collect information.
4. Conducted PRA, GD, individual contact and other meetings during off time lean period of farmers. Purpose- More participatory/involvement.
5. Development photo gallery in KVK.
   Purpose- Clear concept about KVK mandatory activities built up confidence among them regarding feasibility of technology in his/her farming situation.

3.9. Give details of indigenous technology practiced by the farmers in the KVK operational area, which can be considered for technology development (in detail with suitable photographs)

1. Preparation of Panchagabya and spraying in pointed gourd for promoting growth, flowering and reducing disease incidence.
2. Preparation of garlic & dry chilli paste solution for spraying in cereals & vegetables for controlling borer paste.

3.10. Indicate the specific training need analysis tools / methodology followed for

- Identification of courses for farmers/farm women- On the basis of PRA
- Rural youth - On the basis of PRA
- Inservice personnel - On the basis of need assessment & PRA

3.11. Field activities

i. Number of village adopted - 04
ii. No of farm families selected -302
iii. No of survey/PRA conducted –PRA conducted & report submitted.

3.12. Activities of Soil and water Testing Laboratory

Status of establishment of Lab : **NOT YET ESTABLISHED**

4.0 IMPACT

4.1. Impact of KVK activities

Name of specific technology/skill transferred	No of participants	% Of adoption	Change in income (Rs)	
			Before (Rs./Unit)	After (Rs./Unit)
IWC in upland paddy	40	80	12000	15500
Balance fertilizer in green gram	25	76	6000	9500
Gypsum application in G.Nut	26	100	43000	45200
Introduction of PU 30 variety in Black gram	12	83.33	7500	8900
Tuber treatment in potato	20	95	92500	105000
Composite fish farming	28	50	-	-
Mushroom cultivation	50	70	40 / beg	55 / bed
Application of Bordeaux mixture in bevel vine	20	90	304000	320000
Entrepreneurship development throug nursery	20	40	-	4000
Appliqué work for women	20	60	1500	4500
Use of hand operated straw cutter	10	100	-	Drudgery reduction & labour saving
Rearing of bonaraja, Poultry in backyard	6	100	-	5000
Propagation in mango	10	70	-	Earn rupees 6000 per year as a skill person in horticulture & private nursery sector
Management of collar rot disease in groundnut	41	87.8	51000	58000

4.2. Cases of large-scale adoption
(Please furnish detailed information for each case)

A) Adoption & spread of paddy variety – Pratikshya

Pratikshya a newly released OUAT paddy variety of 142 days duration was taken in On Farm Testing Programme at KVK, Jagatsinghpur during 2005. Profuse tillering, multiple resistance to disease and pest and good yield in medium to low land condition not only attracted the farmers but also drew the attention of agricultural line department and extension workers, as a result of which the variety was taken in demonstration under farmers field school Programme in 8 blocks of the district under ATMA Programme in 2006-07. The variety was also grown in the instructional

farm of KVK as well as OFT programmes by KVK. During kharif 2006, the seeds were supplied to Jajpur, Kendrapara, Banki, Athagarh and Cuttack and was successfully demonstrated which proved it potentiality of dissemination. During kharif 2007 & 2008, the variety is grown in more than 80 hac & 140 hac respectively particularly in Tirtol, Ershama, Kujanga and Raghunathpur, Jagatsinghpur blocks of the district. Besides farmers of KVK adopted villages also have grown the variety very successfully. The horizontal spread of the technology / variety is going on extension network such as ATMA, Dist Agriculture Office & NGO. Mass media & contact persons

Popularization of mushroom cultivation

During 2005-06, the year of inception of KVK, scientists of KVK, Jagatsinghpur identified only one mushroom grower namely Kabita Das of Kantia, in Ershama block of the district who has been growing mushroom commercially since 2003. Ninety numbers of interested youth and farmers from four blocks viz. Ershama, Tirtol, Jagatsinghpur, Raghunathpur & Kujanga were trained by the KVK for growing both paddy straw and oyster mushroom. Group discussion, exposure visit, interface with scientists, supply of necessary literatures and interactive demonstrations were the extension methods imparted to the trainees by October, 2008 with an assured information on technical support and availability of inputs, out of this Ninety, 14 youth and farmer member & two SGHs have taken up the enterprise on commercial basis within 3 years. More than 120 farmers are growing mushroom for their home consumption with technical advice of KVK and from dissemination of the said technology.

Side by side, two spawn production units are developed in Tirtol block due to the farmers demand on spawn, one of which is developed by the technical support of the KVK scientists Sanra, Tirtol.

KVK, Jagatsinghpur also has submitted a proposal for construction of spawn cum mushroom demonstration unit during the 11th plan.

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Technology / skill transferred	No of participants	% Of adoption
1. INM in low land paddy	20	80
2. Improved package & practice of upland paddy	20	70
3. Cultivation of scented rice	20	40
4. Gypsum application in G.Nut	13	100
5. Maintenance of coconut orchard	20	70
6. Use of biopesticide	20	40

7. IDM in Betelvine	20	80
8. Control of stem borer in rice	20	100
9. Paddy straw mushroom cultivation	20	70
10. Composite fish farming	20	50
11. Nutritional gardening	20	70
12. Vermicompost	20	30
13. Seed treatment in vegetable	20	70
14. Rhizobium inoculation in blackgram	12	80
15. Storage of grain by use of ITK	20	80
16. Micronutrient application in cauliflowe	20	70
17. Need based pest control in brinjal	12	75
18. Introduction of Varshadhan	25	80

5.0 LINKAGES

5.1. Functional linkage with different organizations

Sl No	Name of the organization	Linkage for	Activities conducted
1	State Govt Departments (Agril, Hort, soil conservation, Forestry, pisciculture & Animal Husbandry	* Sponsored training programme. * Training of extension functionaries. * Farmers – Scientists interaction. * Inputs sale of procurement.	* Training on Isopom, Farmers field school, seed village programme, etc. * Training on pisciculture, preservation of fruits & vegetables, orchard development, management of soil, entrepreneurship development. * FLD on crop science, horticulture & pisciculture. * Other activities like farmer's fair, exhibition, group discussion, action plan formulation, diagnostic visit, field day, farmers- Scientists interaction.
2	DDA, Cuttack	* Training programme. * Procurement of seeds	* Training on seed production technology. * Preparation of programmes for kharif & rabi. * Procurement of seeds
3	ATMA (Agricultural Technology Management Agency Jagatsinghpur)	* Preparation of SREP * Other extension activities	* Conducted & training programme of crop Sci, horticulture, Plant Protection, Extension, Fishery Sci * Capacity building etc. * Interactive demonstration on paddy, mushroom & vermicompost. * Conducted OFT on Magur culture * Conducted PRA exercise * Conducted & participated other activities like exhibition, farmers fair, field day,

			workshop. * Participated preparation of programme planning
4	RPRC, (Regional Plant Resource Centre), Bhubaneswar	* Training	* Attained different training programmes & procured seedling & saplings
5	CIFA, Bhubaneswar	* HRD * Inputs procurement	* Collected information & innovative technology * Purchase fingerlings.
6	CRRI, Cuttack	* Training, workshop * Inputs procurement	* Attend training programme, workshop conducted by CRRI, Cuttack * Collected information & purchased paddy seeds.
7	DRDA, Jagatsinghpur	* Training	* Conducted different training programmes & prepared projects like spawn production centre, vermicompost.
8	All India Radio (AIR), Cuttack	* Distribution of information and technologies * Member of SAC	* Broadcasted different agricultural & allied technologies.
9	Mahila Mandal (SHGs)	* Training * Demonstration	* Conducted training * Interactive demonstration group discussion & awareness camp
10	Farmers youth clubs	* Training and demonstrations.	* Development group dynamics. * Developed entrepreneurship through training & FLD.
11	NGOs viz, MANAV, NOW,	* HRD * Inputs supply	* Conducted HRD for NGO functionaries.
12	Media of news papers	* Publication	* Published latest technologies.
13	Seed certification office (SCO), Cuttack.	* Training * Certification of seeds	* Participatory approached in training & seed production programmes.
14	NABARD, Jagatsinghpur	* Training * Awareness camp	* Jointly conducted training programmes collaborative awareness
15	CTCRI, Bhubaneswar	* Planting Material procurement * Training	* Scientist attained a training programme at CTCRI, BBSR & collect information for conducting FLD & OFT
16	IIHR, Aiginia, BBSR	* Procurement of planting materials & information	* Collection of planting material for OFT
17	CDB, Pitapali, BBSR	* Procurement of seedling & information	* Exchange of idea's on coconut cultivation & feedback

5.2. List special Programmes undertaken by the KVK, which have been financed by state Govt/Other Agencies

Name of the scheme	Date/month of initiation	Funding agency	Amount (Rs)
-	-	-	-

5.3. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Slno	Programme	Nature of linkage	Remarks
1	Development of technological Package in Desi magur cultur	-Implementation of the project -Technical guidance -Conducting training Programme	-Conduct & implement the ATMA programme according to Agro-ecological situation
2	Farmers & Scientists interaction programme	- Sponsored programme	- All the programme conducted for farmers/ Beneficiary of ATMA by participatory method as per ATMA Guideline

5.5. Nature of linkage with National Fisheries Development Board

Slno	Programme	Nature of linkage	Remarks
1	Training, workshop	-Implementation of the Project -Technical guidance for Forward activities	The project has been submitted to Hon'ble DDG fisheries for sanction of amount necessary for conducting the training Programme.

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Slno	Demo Unit	Year of Estt	Area	Details of production			Amount (Rs)		Remarks
				Variety	Produce	Qty	Cost of Inputs	Gross Income	
	Not sanctioned								

6.2. Performance of instructional farm (Crops) including seed production

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	
Cereals									
Paddy	7.8.08 21.7.08 22.7.08 8.08.08 4.08.08	19.12.08 9.12.08 24.12.08 28.12.08 22.12.08	1.5 0.5 1.5 0.5 1.0	Pooja Swarna CR-1018 Swarna Pratiskhya	FS FS FS CS FS	59.4 20.4 60.30 20.10 33.00	2,81,680	Stock in hand	Stock in han

6.3. Performance of production Units (bio-agents/bio pesticides/bio fertilizers etc.)

Slno	Name of the product	Qty	Amount (Rs)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	135 kg	160	810	-

6.4. Performance of instructional farm (livestock and fisheries production)

Slno	Name of the animal/bird/aquatics	Details of production			Amount (Rs)		Remarks
		Breed	Type of Produce	Qty	Cost of Inputs	Gross Income	
1	Colour bird (Poultry)	Banaraja	Egg or Meat	124	2500	4400	-
2	Ornamental fish	Guppymolly	Fish	160 nos	-	360	-
3	Honey bee	A.indica	Colony	3	-	600	-

6.5. Utilization of hostel facilities: - Non-utilization of hostel facilities due to non availability of power & water supply (only civil part is finished)

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank account

Bank account	**Name of the bank**	**Location**	**Account Number**
With host Institute	SBI, OUAT	Bhubaneswar	-
With KVK	SBI, Jagatsinghpur	Jagatsinghpur	11297400655

7.2 Utilization of funds under FLD on Oilseed (Rs)

Item	Released by ICAR		Expenditure		Unspent balanc as on 1st April 2009
	Kharif 2008-09	Rabi 2008-09	Kharif 2008-09	Rabi 2008-09	
Inputs	-	-	-	12250	-
Extension activities	-	-	-	1750	-
TA/DA/POL etc	-	-	-	1700	-
TOTAL	-	-	-	**15700**	-
Expenditure is made from RC KVK, Jagatsinghpur					

7.3 Utilization of funds under FLD on Pulses (Rs)

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2009
	Kharif 2008-09	Rabi 2008-09	Kharif 2008-09	Rabi 2008-09	
Inputs	-	-	-	9190	-
Extension activities	-	-	-	1315	-
TA/DA/POL etc	-	-	-	1965	-
TOTAL	-	-	-	**12470**	-
Expenditure is made from RC KVK, Jagatsinghpur					

7.4 Utilization of funds under FLD on cotton (Rs in Lakhs) NOT SANCTIONED

7.5 (I) Utilization of KVK funds during the year 2007-08 and 2008-09 (up to Mar.2009) (year wise separately) (current year and previous year)

Sl no	Particulars	Sanctioned	Released (2007-08)	Expenditure
A. Recurring Contingencies				
1	**Pay & allowances**	**22,00,000**	**Pay through Comptroller OUAT**	**22,000,00**
2	**Traveling allowances**	**93,000**	**93,000**	**92,126**
3	**Contingencies**	**6,00,000**	**5,87,385**	**5,86,972**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News paper & Magazines)			
B	POL, repair of vehicles, tractor and Equipment s			
C	Meals/refreshment for trainees (ceiling up to Rs.40/ day/trainee by maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc required for conducting the training)		**5,87,385**	**5,86,972**

E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of soil, plant & water testing laboratory			
J	Library			
TOTAL (A)		**2893000**	**2880383**	**2880383**

B. Non-Recurring Contingencies				
1	Works	29,00,000	Expenditure made through DPP, OUAT,BBSR	
2	Equipments including **SWTL & Furniture**			
3	Vehicle (four wheeler/Two wheeler, please specify)			
4	Library (purchase of assets like books & Journals)			
TOTAL (B)		**29,00,000**		
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**5793000**	**2880383**	-

B. Non-Recurring Contingencies				
1	Works	29,00,000	Expenditure made through DPP, OUAT, Bhubaneswar	
2	Equipments including **SWTL & Furniture**	-		
3	Vehicle (four wheeler/Two wheeler, Please specify)	-	-	-
4	Library (purchase of assets like books & Journals)	-	-	-
TOTAL (B)		29,00,000	-	-
C. REVOLVING FUND		-		
GRAND TOTAL (A+B+C)		**57,53,000**	**3,20,300**	-

7.5 (II) Utilization of KVK funds during the year 2007-08 and 2008-09 (up to Mar.2009) (year wise separately) (current year and previous year)

Slno	Particulars	Sanctioned	Released (2008-09)	Expenditure
A. Recurring Contingencies				
1	**Pay & allowances**	3,00,000	**Pay through Comptroller OUAT**	3,00,000
2	**Traveling allowances**	1,00,000	1,00,00	99,244
3	**Contingencies**	6,50,000	6,50,000	6,49,244
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News paper & Magazines)		6,50,000	6,49,244
B	POL, repair of vehicles, tractor and Equipment s			
C	Meals/refreshment for trainees (ceiling up to Rs.40/ day/trainee by maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and new generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of soil, plant & water testing laboratory			
J	Library			
TOTAL (A)		**37,50,000**	**37,50,000**	**10,48,488**

B. Non-Recurring Contingencies				
1	Works (Administrative building, staff quarter, electrification, farmers hostel & godown	60,40,000	Expenditure made through DPP, OUAT, BBSR	
2	Equipments including **SWTL & Furniture**	6,50,000	6,50,000	6,49,061
3	Vehicle (four wheeler/Two wheeler, please specify)			
4	Library (purchase of assets like books & Journals)			
TOTAL (B)		**66,90,000**		
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**104,40,000**	**104,40,000**	-

7.5 Status of revolving fund parenthesis (Rs in Lakhs) for the three years

Year	Opening Balance as on 1st April	Income during the year	Expenditure during the Year	Net balanced in hand as on 1st April of each Year
April 2005 to March 2006	**1,00,000**	**-**	**1,05,632**	**43,400**
April 2006 to March 2007	**-**	**1,60,000**	**65,000**	**95,000**
April 2007 to March 2008	**72,401**	**35,553**	**99000**	**1,80,000 (Cash + Stock)**
April 2008 to March 2009	**119258**	**281261 (Approx. i.e. Stock in hand)**	**124060**	**83104**

*** Stock in hand and credit bill**

8.0 Please include information which has not been reflected above (write in detail)

8.1 Constraints

a) Administrative:

- Construction of demonstration unit
- Causes of requirement of technical staffs like field man, VAWs etc for smooth mandatory works should be put forth in ICAR policy and Govt policy.

b) Financial:

-Additional funds may be sanctioned for purchase of paddy reaper, power operated thresher and publication of magazine KVK news letter

c) Technical:

-Proposal for- i) Installation of soil testing laboratory
ii) Purchase of Motorcycle for smooth and easy conduct of field visit, fieldwork and other tours related to our extension activities

(Signature of Programme Coordinator)

Proceedings of the 2nd Scientific Advisory Committee Meeting of the Krishi Vigyan Kendra, Jagatsinghpur

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The 2nd meeting of the Scientific Advisory Committee was held on 20th August 2008 at Krishi Vigyan Kendra, Jagatsinghpur under the Chairmanship of Dr Sarat Ch. Mishra, Dean Extension Education, OUAT, Bhubaneswar. The members present in the meeting are annexed herewith.

After warm welcome to the esteemed members by Mr.A.Dhal, SMS, Plant Protection, the Dean, Extension Education and chairman inaugurated the meeting by lighting of candle. After brief introduction by the chairman's the Programme coordinator, KVK, Jagatsinghpur Mr.S.P.Sangramsingh briefed on the achievements made during 2007-08, all the subject matter specialists presented the mandatory activities of 2007-07 particularly in the discipline of Agronomy, Plant Protection, Fishery, Horticulture and women in Agriculture have also presented their action plan formulated in2008-09. The chairman requested the members for interaction and discussion. The suggestion of the members are as follows.

The DA, Jagatsinghpur suggested for mushroom spawn production unit, involvement of scientists for vocational activities for the SHGs, demonstration of saline tolerant mile variety in coastal blocks and joint field visit for assisting the developmental problems in Moti and Biridi block. He also suggested to cooperate with KVK in seed village Programme and encome for good coordination with all line departments.

AGM, NABARD Suggested for training on value addition in the betel vine growing areas, setting Agro-climates involving KVK, NABARD as NGO's and increated the seed replacements vation through seed village Programme. He also suggested for a Krishak Bazar for marketing of produce in association with Bhanjaprava. Junior Horticulture officer, Tirtol has suggested for integrated pest and disease management in betel vine, cashew plantation in washe land by motivating SHGs.

Plant Protection officer, Tirtol Suggested for training activities in all the blocks, and organizing krishak mela in villages. He also suggested for varietal replacement of cashew and conducting OFT on CR1001 for assessing the irregularities in different farming situations. For assessing the Asst.Agril. Engineer, Tirtol suggested for field demonstration of paddy transplanted for labour scarcity. Fishery extension officer, Tirtol suggested for the introduction paddy cum Pisciculture and give emphasis for fresh water prawn in inland bodies.

Sri N.C.Behera, Farmer representative has suggested for coordinated action on follow up Programme of various activities of agriculture and allied departments including bio-fertilizers demonstration and production Programme. He also suggested for giving stress on vocational training on mushroom, poultry, piggery and apiary for the land less families. Mr. Amar Prasad Rout another farmer member has suggested for the demonstration of organic mile without fertilizer and plant protection chemicals. Ms Jayalaxmi Mohanty, Secretary NGO, MANAV has suggested for collaborative action of both KVK and NGO for successful implementation of all the KVK activities.

The chairman in the presidential address suggested for spawn production unit with the assistance of NABARD and trained the interested farmers for their own unit. He also suggested for SRI method of rice, health Programme for animals and birds in the adopted village, demonstration of bund cutting machine in rice field, intercropping and mixed cropping, and requested the line departments and NGOs to cooperate and coordinate in all KVK activities. He has instructed the farmers for updating statistical date base in their disciplines.

The meeting was ended with the vote of thanks by Sri.S.Mishra followed by the visit of the members to the instructional farm, seed production unit and other demonstration unit of KVK.

Members present in the meeting

1) Professor. Sarat Chandra Mishra, Dean, Extension Education, OUAT, Bhubaneswar.
2) Mr.R.N.Das, DAO & PD, ATMA, Jagatsinghpur
3) Mr.Sitaram Jena, AGM, NABARD, Jagatsinghpur
4) Mr. Gaurahari Biswal- ADAO, Tirtol
5) Er.N.C.Behera- AAE, Tirtol
6) Mr.K.C.Ojha-PPO, Tirtol
7) Dr.N.C.Sahoo-Addl, VAS, Tirtol
8) Mr. Braja Bandhu Sahoo- JAO, Kujanga, Jagatsinghpur
9) Mr.R.S.Mishra- Dy.Supt. of Fisheries, Jagatsinghpur
10) Mr. Shishir Kumar Behera-F.S. Horticulture officer, Tirtol
11) Mr. Niranjan Nayak- F.T. Horticulture Officer, Tirtol
12) Mr. Amar Kumar Rout- Farmers representative
13) Mr.Mahindra Das- Secretary, MANAV, NGO, Jagatsinghpur
14) Ms Jayalaxmi Mohanty-Secretary, ROSHNEE, NGO, Jagatsinghpur
15) Mr. Nrusingh Ch. Behera- Progressive Farmer, G.B. Member-ATMA, Jagatsinghpur
16) Mr. Ashok Ku Das- Farmers representative
17) Mr. Akshya Kumar Parija- Office of the ASCO, Jagatsinghpur
18) Mr.J.N.Mohapatra- Horticulture officer, Tirtol
19) Mr. Jadumani Sahoo-Secretary, PVSO, Jagatsinghpur
20) Ms.Sibani Mishra-Member, CARD, Jagatsinghpur
21) Mr. Ranjan Kumar Das- Secretary, ISUN, Tirtol
22) Mr. Bijay Kumar Sahoo- Farmers Representative
23) Mr. Balunkeswar Sahoo- Farmers Representative
24) Ms. Mianti Mohanty- Farmers Representative
25) Ms. Lopamudra Sahoo-Farmers Representative
26) Prof. A.P.Kanungo, P.C, KVK, Jajpur- Invitee
27) Sri S.P.Sangramshing, P.C,KVK, Jagatsinghpur

Views of the visitors

Dt-03.04.08
Sri Golak Bihari Naik
Minister,
Fisheries & Animal Resources Development,
Textiles & Handloom, Orissa

Today I visited the KVK, Jagatsinghpur on my way to Bodhei Panchayat, I observed the Scientists, working in team spirit and have taken adequate steps in Agriculture, Fishery and Animal Science for the betterment of the farming community of Jagatsinghpur district. New technologies viz the paddy variety Pratikshya, Varsadhan, Ketakijuha, rearing of turkey and backward poultry bird and organic farming specially use of biopesticides is well spread by the effort of scientists of this KVK.

Lastly I wish the Programme Coordinator, for his leadership and effort.

Dt-28.11.08

Amelia D.Cmeno,
IRRI-Philippines

Activity here at KVK is very successful. We are very thankful to KVK staff for all the support and efforts. Farmers are very cooperative and me get good response from them. Good luck and more power to all of us.

Dt-28.11.08

Donald B. Villanneva
IRRI-Philippines

This organization has very nice people. We have a very successful activity here. Hope to come back someday. Thank you very much.

Dt-28.11.08

Dr. Sanjay Saha
CRRI, Cuttack

The KVK, OUAT conducting experiments for demonstrating difficult technology. Everything is well organized. The staff members are also very cooperative and everything maintained nicely.

Dt-28.11.08

Dr. K. Chattopadhyay
Sr. Scientist, CRRI

Well maintained used organized impressed lay heartly welcome I wish every success of this KVK.

Dt-5.12.08

Dr.B.K.Sahoo
Sr. Agronomist , OUAT

Visited KVK, discussed with pc and other scientist well maintained and updated KVK, even last 10 days activities are flashed in computer. Wish very success to the KVK.

Dt- 5.12.08

Mr. B.K.Dash
AFDO, Directorate of A.H & V.S
Orissa, Cuttack

Visited KVK and inter acted with the PC & scientist for holistic approach on Agricultural Programme and timely field approach for resolving farmers field Programme.

Dt-5.12.08

S.S.Mohapatra
Pathologist, AOCRP on forage crops
OUAT, Bhubaneswar

Discussed with all the scientists & PC and visited the Research field & office. The teams of Scientists are putting tremendous efforts under the dynamic leadership of the PC Mr. Sangramsingh to make this KVK the No.1 in the state in full filling the objecting.

Dt-11.12.08

Dr.S.Ghosh
Scientist (SS) WTCER (ICAR)
Chandrasekharpur, Bhubaneswar

Discussed with Programme Coordinator and all the SMS regarding the activities of KVK. It is really an impressive environment in this KVK and lots of activities including demonstrations are visible. The participation of faculty of this KVK in SWPA training Programme at Ersama is ensured and it would be of immense benefits for the farmers.

Dt-11.12.08

S.Raychoudhury
Principal Scientist, WTCER

Visited KVK Jagatsinghpur on the occasion to organize the formers training Programme at Ersama. Discussed with Programme Coordinator & his other colleagues. Who also explained various activities of the KVK, while taking us around the campus.

It was heartening to see the good work being done at the center. It was also an satisfying experience to observe success of team work led by Programme Coordinator in such a remote difficult place. I wish success of the center in future.

Dt-24.1.09

Dr.S.S.Nanda
Dean, Extension Education
OUAT, BBSR

Interacted with PC and SMS on the ongoing Programmes of the KVK, I am happy with talents of the scientists & the Programme Coordinator. All attempts are taken on the farmers oriented Programmes. I wish that the technology developed in Agriculture & allied sectors should go to the farmers door.