

**ANNUAL PROGRESS REPORT
OF
KVK BARGARH**

Apr' 2010 – Mar' 2011

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Instructions for Filling the Format

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Gray colour cells in summary table need not to be filled.**

REPORTING PERIOD – April 2010 to March, 2011

Summary of achievements during the reporting period

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Bargarh	OFTs	17	82	17	82	
Bargarh	FLDs – Oilseeds (activity in ha) 10Ha	2	33	2	33	
Bargarh	FLDs – Pulses (activity in ha) 5Ha	1	15	1	15	
Bargarh	FLDs – Cotton (activity in ha)					
Bargarh	FLDs – Other than Oilseed and pulse crops(activity in ha)9.9Ha	19	102	19	102	
Bargarh	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	24	3	24	
Bargarh	Training-Farmers and farm women	63	1575	57	1430	
Bargarh	Training-Rural youths	8	120	7	105	
Bargarh	Training- Extension functionaries	5	100	4	95	
Bargarh	Extension Activities	22	6000	20	5500	
Bargarh	Seed Production (Number of activity as seeds in quintal)	334.6q		334.6q		
Bargarh	Planting material ((Number of activity as quantity of planting material in quintal)					
Bargarh	Seedling Production (Number of activity as number of seedlings in numbers)	64958		64958		
Bargarh	Sapling Production (Number of activity as number of sapling in numbers)					
Bargarh	Other Bio- products -Vermicompost	7q		6.3q		
Bargarh	Live stock products					
Bargarh	SAC Meeting (Date & no. of core/official members	1(22-2-11)	44	1	44	
Bargarh	Newsletters (no.)	2	420	2	420	
Bargarh	Publication (Research papers, popular article)					
Bargarh	Convergence programmes / Sponsored programmes					
Bargarh	KVK-ATMA Linkage programme (Number of activities)					
Bargarh	Outreach of KVK in the District (No. of blocks, no. of villages)	12	1200	10	1600	
Bargarh	Soil sample tested					
Bargarh	Water sample tested					
Bargarh	KMA (No. of messages & beneficiaries)	20	200	16	154	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Bargarh	Programme Coordinator	Dr. M.K.Tripathy	Entomology	Ph.D	Entomology	37400-63500 AGP-9000		27-10-09	Permanent	Others
Bargarh	Subject Matter Specialist1	Mr. S..K. Pradhan	Horticulture	MSc (Ag)	Horticulture	15600-39100 AGP-6000	15600	1-10-2009	Permanent	Others
Bargarh	Subject Matter Specialist2	Mrs S. Sahu	Home Science	MSc	Food & Nutrition	15600-39100 AGP-6000	15600	22-12-2009	Permanent	Others
Bargarh	Subject Matter Specialist3	Sri S. K. Sahoo	Agronomy	M.Sc.	Agronomy	15600-39100 AGP-6000	15600		Permanent	Others
Bargarh	Subject Matter Specialist4	Sri R. N. Nayak	Soil Sc.	MSc	Soil Sc.	15600-39100 AGP-6000	15600		Permanent	Others
Bargarh	Subject Matter Specialist5	Vacant								
Bargarh	Subject Matter Specialist6	Vacant								
Bargarh	Programme Assistant	Vacant								
Bargarh	Farm Manager	Vacant								
Bargarh	Computer Programmer	Mr. S.K. Behera	Computer	MCA		9300-34800 (GP-4200)	11010	31-01-06	Permanent	Others
Bargarh	Accountant / superintendent	Vacant								
Bargarh	Stenographer	Vacant								
Bargarh	Driver	Mr. A. Chhanda		Under Matric		3050	3050	27-07-08	Contractual	
Bargarh	Driver	Mr. S. Rout		Under Matric		3050	3050	28-07-08	Contractual	
Bargarh	Supporting staff	Mr. S. Devta		Under Matric		2550	2550		Contractual	
Bargarh	Supporting staff	Mr.O.Khamari		Under Matric		2550	2550		Contractual	

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

Geographical Area (in Sq.Kms)	5837
No. of Subdivisions	2 (Bargarh & Padampur)
No. of Tahasils	10 (Attabita, Bargarh, Barpali, Bhatli, Bheden, Padampur, Paikmal, Sohella, Bijepur & Gaisilet)
No. of CD Blocks	12 (Ambabhona, Attabira, Bargarh, Barpali, Bhatli, Bheden, Bijepur, Gaisilet, Jharbandh, Padampur, Paikmal & Sohella)
No. of Municipalities	1 (Bargarh)
No. of N.A.Cs	2 (Barpali & Padampur)
No. of Police Stations	14 (Ambabhona, Attabira, Bargarh, Barpali, Bheden, Bijepur, Buden, Gaisilet, Jharbandh, Melchhamunda, Padampur, Paikmal & Sohella)
No. Fire Stations	2
No. of Grampanchayat (GP)	248
No. of Revenue Villages	1208
No. Assembly Constituencies	5 (123-Padampur, 124-Melchhamunda, 125-Bijepur, 126-Bhatli, 127-Bargarh)

Production of major crops in MT (2008-09)	
Paddy	3097000
Wheat	990
Maize	2220
Green gram	17380
Black gram	5840
Horse gram	570
Sesame	1890
Groundnut	53180
Sunflower	360
Mustard	1440
Potato	2140
Sugarcane	55930

Livestock Population			
Total Livestock	766028	Total Sheep	57915
Total Cattle	486377	Total Goats	175083
Total C.B. Livestock	96388	Total Pigs	8261
Total Female CB Livestock	56937	Total Poultry	449407
Total Buffaloes	38432	Total Ducks	34287

Land utilisation and irrigation status of Bargarh District		
1	Geographical Area (in Ha)	583200
2	Cultivated Area (in Ha)	348747
	a. High Land	183318
	b. Medium Land	89395
	c. Low Land	76034
3	Paddy Area (in Ha)	204247
	a. High Land	40614
	b. Medium Land	87599
	c. Low Land	76034
4	a. Irrigated Area (in Ha) (in Kharif)	145514
	b. Irrigated Area (in Ha.) (in Rabi)	83662
5	Non-irrigated Area (in Ha)	203233
6	Farm families (in nos) 2001 census	203550
	a. Small Farmers	73819
	b. Marginal Farmers	76639
	c. Big Farmers	53092
7	Agriculture Labourers (in nos)	247022

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Bargarh	Jamtikra	2009	Attabira	26	780	130
Bargarh	Kulitatikra	2009	Attabira	16	1540	254
Bargarh	Dablong	2009	Bhatli	65	1264	205
Bargarh	M.Gandpali	2008	Bijepur	67	1410	237
Bargarh	Baipali	2007	Sohela	49	654	114
Bargarh	Padhantikira	2009	Bheden	55	930	168
Bargarh	Banipali	2010	Bheden	16	1150	175

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

KVK Name	THRUST AREA
Bargarh	Crop Diversification
Bargarh	Reclamation of degraded land
Bargarh	Integrated Nutrient Management practices
Bargarh	Integrated Disease and Pest Management Practices
Bargarh	Quality seeds and seedlings production
Bargarh	Income generating activities for rural women/ School dropouts
Bargarh	Value addition in seasonal vegetables
Bargarh	Composite Pisciculture
Bargarh	Integrated fish farming
Bargarh	Proper health management of domestic animals & birds
Bargarh	Market and production strategies
Bargarh	Recycling of farm wastes for vermicompost
Bargarh	Farm mechanization
Bargarh	Off season vegetable cultivation
Bargarh	Promotional of nutritional garden
Bargarh	Introduction of suitable varieties with improved packages of practices
Bargarh	Effective use of family labour through need based livelihood option
Bargarh	Command Area Development with proper Irrigation management
Bargarh	Agro forestry in waste land, Soil & water conservation

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

KVK Name	Problem identified	Methods of problem identification
Bargarh	Low yield of oil seed and pulses due to soil acidity	Soil Analysis
Bargarh	Low family income due to mono cropping in rain fed areas	PRA
Bargarh	Imbalance use of manures and fertilizers in vegetables leading to low productivity	Soil Analysis, PRA
Bargarh	Distress sale of fruits and vegetables due to lack of storage facility	PRA
Bargarh	Severe infestation of insect pest and disease of vegetables	Field Visit, Diagnostic survey
Bargarh	Underutilization and low productivity of fish ponds	PRA
Bargarh	Drudgery of farm women	PRA
Bargarh	Low productivity of country birds	PRA
Bargarh	Low yield of rulling paddy var. Swarna(MTU-7029) due to susceptibility to diseases and pest	PRA, Diagnostic Visit
Bargarh	Low productivity of animal resources	PRA
Bargarh	Collar rot in groundnut	FLD, Diagnostic Visit, Farmer Meeting
Bargarh	Underutilization of paddy straw	PRA

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
Bargarh	2010 Kharif	Ginger is being taken as a cash crop which is affected by severe infestation of Rhizome rot till 90 days of planting	Assessment	IPM	Crop	Ginger-Vegatable	Assessment of Bio-fungicide with Ridomil for control of Rhizome rot in Ginger	5	120 q/ha	160 q/ha	60000	120000	Rhizome treatment with T. viridae @ 20gm/kg of rhizome followed by ridomil treatment after 4 days
Bargarh	2010 Kharif	Severe wilting in seedling stage of groundnut causes reduction in plant population	Assessment	IPM	Crop	Groundnut-Fallow	Assessment of fungicide with Vitavex power for control of groundnut wilt	5	13.25 q/ha	16.5 q/ha	11000	15000	Groundnut seed treatment with Vitavex power @ 2gm/kg with T. viridae @ 10gm/kg of seed
Bargarh	2010 Kharif	Poor yield due to BPH infestation	Assessment	IPM	Crop	Paddy-Paddy	Assessment of Buprofezin for control of BPH in paddy	5	15.5 q/ha	32 q/ha	2600	11300	Buprofezin successfully controlled BPH when sprayed @ 320ml/acre at ETL.
Bargarh	2010 Kharif	Poor yield and economics of local scented variety over years	Assessment	Production Management	Crop	Paddy-Paddy	Assessment of scented rice "Ketakijuha" in Hirakud command area	5	21 q/ha	32q/ha	2450	8000	Ketakijoha was preferred well against the local scented variety "Gahamphula" in Kharif season and yield was increased to 42%.
Bargarh	2010 Kharif	Poor yield and incidence of disease and	Assessment	Production Management	Crop	Paddy-Paddy	Assessment of "Chandan" variety of rice in irrigated	5	36 q/ha	37.2 q/ha	9500	10200	

		pest in local variety					command area						
Bargarh	2010 Kharif	Poor yield and incidence of disease and pest in local variety	Assessment	Production Management	Crop	Paddy-Paddy	Assessment of "Navin" variety of rice in irrigated command area	5	37.2 q/ha	39	11200	12500	The newly introduced variety "Naveen" performed well in irrigated condition and moderately resistant to blast, sheath blight and green leaf hopper
Bargarh	2010 Kharif	Low yield of Radish due to use of local cultivars	Assessment	Varietal Evaluation	Crop	Paddy-Vegetables	Assessment of Radish variety "Pusa Chetki"	5	124 q	166 q	52000	77000	
Bargarh	2010 Kharif	Low yield of Brinjal due to use of wilt susceptible variety	Assessment	Varietal Evaluation	Crop	Paddy-Vegetable	Assessment of wilt resistant Brinjal variety "Utkal Anushree"	5	272 q	305 q	11200	13200	
Bargarh	2010 Kharif	Low yield of Coriander due to use of local variety	Assessment	Varietal Evaluation	Crop	Paddy – Vegetable	Assessment of Coriander variety "Karishma"	5	57.5 q	70 q	37000	47000	
Bargarh	2010-11Rabi	Low yield of cauliflower due to insufficient application of nutrient	Assessment	INM	Crop	Sandyloam, Rainfed medium upland, Paddy – Vegetable	Assessment of Boron in Cauliflower	5	170 q	216 q	42000	60000	The foliar application of micronutrient "Boron" @ 1g/l at vegetative stage and bud initiation stage proved better result in term of less fruit cracking as well as high yield
Bargarh	2010-11Rabi	Low yield of pointed gourd due to use of local variety which are susceptible to	Assessment	Varietal Evaluation	Crop	Sandyloam, Irrigated medium upland, Paddy – Vegetable	Assessment of pointed gourd variety swarna alaukik	5	Result awaited				

		meet pest incidence											
Bargarh	2010-11Rabi	Low yield of onion due to use of local variety	Assessment	Varietal Evaluation	Crop	Sandyloam, Rainfed upland, Paddy – Vegetable	Assessment of onion variety Agrifound light red	5	174q/ha	210q/ha	82700	106000	
Bargarh	2010 Rabi	Less income from local breed	Assessment	Small scale income generating enterprises	Enterprise		Assessment of Sirohi as small scale income generating enterprise	2	7.5 kg Kids live weight (kg/6month)	11	5500 per 10 kid	9000 per 10 kid	The cross bred off spring of Sirohi buck and local doe have better growth and disease resistant than pure desi kids. They are well acclimatized to the local environment
Bargarh	2010 Kharif	High labour and more physical stress	Assessment	Location specific drudgery reduction technology	Enterprise	Paddy – Paddy	Assessment of Mandua weeder in SRI method of rice cultivation	5	120 Work output (m ² /hr)	130			
Bargarh	2010 Kharif	Celosia arvensis is a problematic weed infesting groundnut and manual weeding is expensive as well as labour consuming	Assessment	Weed Management	Crop	Groundnut – Fallow	Assessment of Herbicide application in Groundnut for weed control	5	14 q/ha	16.5 q/ha	10500	14500	Oxyflurofen 23.5 EC(Zargon) @ 80 ml/ acre sand mixed just after seed sowing controlled the weed flora in groundnut to the extent of 72%.
Bargarh	2010 Pre Rabi	Poor yield from local varieties	Assessment	Varietal Evaluation	Crop	Fallow – Sesamum – Kulthi	Assessment of Amrit variety of Sesamum	5	5 q/ha	8 q/ha	2600	8800	
Bargarh	2010 Pre Rabi	Poor yield from local varieties	Assessment	Varietal Evaluation	Crop	Maize – Kulthi – Faloow	Assessment of Urmi variety of Horsegram	5	6 q/ha	15 q/ha	2700	11400	

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Demo	Check	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP(T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Bargarh	Assessment of Bio-fungicide with Ridomil for control of Rhizome rot in Ginger	Yield q/ha	160	120	18000	200000		240000	320000		60000	120000		1.33	1.6	
Bargarh	Assessment of fungicide with Vitavax power for control of groundnut wilt	Wilting at 14 DAS (%) Yield (q/ha)	1.8 16.5	5.3 13.25	15000	20000		26000	35000		11000	15000		1.73	1.75	
Bargarh	Assessment of Buprofezin for control of BPH in paddy	Yield (q/ha)	32	15.5	12900	20700		15500	32000		2600	11300		1.2	1.54	
Bargarh	Assessment of scented rice "Ketakijuha" in Hirakud command area	q/ha	21	32	17500	24000		19950	32000		2450	8000		1.14	1.33	
Bargarh	Assessment of "Chandan" variety of rice in irrigated command area	q/ha	36	37.2	26500	27000		36000	37200		9500	10200		1.35	1.38	
Bargarh	Assessment of "Navin" variety of rice in irrigated command area	q/ha	37.2	39	26000	26500		37200	39000		11200	12500		1.43	1.47	
Bargarh	Assessment of Radish variety "Pusa Chetki"	Weight of fruit (gm)	170	150	47000	55000		99000	132000		52000	77000		2.1	2.4	
Bargarh	Assessment of wilt resistant Brinjal variety "Utkal Anushree"	Wilt affected plant (%)	3%	9%	78000	81000		190000	213000		112000	132000		2.44	2.62	
Bargarh	Assessment of Coriander	Yield (q)	0.9 kg	0.8 kg	43000	48000		85000	108000		42000	60000		1.97	2.25	

	variety "Karishma"														
Bargarh	Assessment of pointed gourf "Swarna Alaukik"	Result awaited													
Bargarh	Assessment of onion Agrifound light Red	Yield (q/ha)	174	210	56500	62000		139200	168000		82700	106000		2.46	2.70
Bargarh	Assessment of Sirohi as small scale income generating enterprise	Kids Body weight (Kg/after 6 month)	7.5	11	3500 per 10 kid	4000/10 kid		9000/10kid	13000/10 kid		5500/ per 10 kid	9000/10 kid		2.57	3.25
Bargarh	Assessment of Mandua weeder in SRI method of rice cultivation	i) Work output(m ² /hr) ii) Pulse rate (beats/min)	i) 120 ii)119	i)130 ii)110											
Bargarh	Assessment of Herbicide application in Groundnut for weed control	Yield (q/ha)	16.5	14.0	15800	20500		26300	35000		10500	14500		1.66	1.7
Bargarh	Assessment of Amrit variety of Sesamum	Yield (q/ha)	8	5	12400	15200		15000	24000		2600	8800		1.2	1.57
Bargarh	Assessment of Urmi variety of Horsegram	Yield (q/ha)	15	6	9300	18600		12000	30000		2700	11400		1.29	1.61

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Bargarh	<ol style="list-style-type: none"> 1. Successful control schedule of tungro virus infesting paddy in hirakud command area. 2. Best suitable gynocious variety of Papaya for the locality. 3. Suitable off season coriander variety for the district. 4. Suitability of any other herbicides for Kharif groundnut weed control.

3. Achievements of Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Bargarh	Paddy	Integrated Pest Management	Alley planting, alternate wetting and drying, reduced nitrogen application & spraying of imida clopid 50g/ac twice at 15 days interval	Training & demonstrations, radio talk, TV talk	12	60	35
Bargarh	Paddy	Integrated Disease Management	Seed treatment with captan 3g/kg, water management, reduced application of nitrogen & application of propiconazole 400ml/ac twice at tillering & PI stage	Training & demonstrations, radio talk, TV talk	8	34	21
Bargarh	Chilli	Integrated Nutrient Management	Application of 0.3g carbofuran/m ² nursery area & 500kg neem cake/ha in the main field during final land preparation	Training & demonstrations, radio talk, TV talk	4	32	7
Bargarh	Paddy	Varietal Evaluation	Crop management & yield attributing characters	Training, Interactive demonstration	1	5	0.4
Bargarh	Sweet potato	Production and Management	Production management technology	Training, Interactive demonstration	1	5	0.2
Bargarh	Gladiolus	Small Scale income generating enterprises	Cultivation practices	Training & Demonstration	2	5	0.1
Bargarh	Poultry	Evaluation of Breeds	Feeding, rearing & vaccination practices of Banaraja chick	Training & Demonstration	2	5	250 ft ²
Bargarh	Mushroom (Oyster)	Mushroom cultivation	Scientific guideline of mushroom cultivation	Training & Demonstration	2	10	150 bottles
Bargarh	Mushroom (paddystraw)	Mushroom cultivation	Scientific guideline of mushroom cultivation	Training & Demonstration	2	10	150 bottles
Bargarh	Fisheries	Production and Management	Intervention of IMC with exotic carps with proper stocking density & ratio	Training, Interactive demonstration, field day	2	4	2.0
Bargarh	Fisheries	Production and Management	Rearing of fish fry to fingerlings	Training, Interactive demonstration, field day	2	3	1.5

3.2 Details of FLDs implemented

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Technolo gy/Entre prizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Bargarh	Production Management	Paddy	Kharif 2010	Popularisation of Manaswini variety of rice	1.0	Manaswini	42.5	38	11.84	1		4		5
Bargarh	Production Management	Paddy	Kharif 2010	Popularisation of MTU-1001 as seed crop	2.0	MTU- 1001	40	38.5	3.9	1		4		5
Bargarh	IPM	Paddy	Kharif 2010	Integrated Pest Management of BPH in paddy	1.0	Manage ment of BPH in paddy	32	26	23	1		4		5
Bargarh	IPM	Paddy	Kharif 2010	Integrated management of Blast and Sheath Blight attack	1.0	manage ment of Blast and Sheath Blight attack	38	31.5	20	1		4		5
Bargarh	CRP	Maize	Kharif 2010	Growing of hybrid maize along with all plant protection measures	1.0	30R77	40	-	-			5		5
Bargarh	CRP	Paddy, Tomato, Okra	Rabi 2010-11	Sequence cropping	0.4	Swarna/Ut kal Raja/S- 152	Continue					2		2
Bargarh	IPM	Cabbage	Rabi 2010-11	IPM in cabbage	0.4	Pusa Drumhead	260	198	31			5		5
Bargarh	HOV	Cow Pea	Kharif 2010	Introduction of new Cow Pea variety	0.8	Utkal Manika	67.5	55	22.7			5		5
Bargarh	HOS	Chilli	Kharif 2010	Introduction of new wilt tolerant Chilli variety	0.4	Utkal Ava	102.4	87	17		1	4		5

Bargarh	HOV	Tomato	Rabi 2011	Introduction of wilt tolerant tomato variety	0.4	Utkal Pragyan	290	248	17	1		4		5
Bargarh	HOF	Papaya	Kharif 2010	Introduction of new Papaya variety	0.2	Coorg Honey Dew	Continuing			1	1	3		5
Bargarh	HOV	Pumpkin	Rabi 2010-11	Popularisation of pumpkin variety	0.4	Guamal	Continuing			1	1	3		5
Bargarh	INM	Okra	Rabi 2010-11	Application of zinc EDTA in Okra	0.4	S-152	Continuing			1	4			5
Bargarh	Small scale income generating	Elephant Foot Yam	Kharif 2010	Use of var. Gajendra	0.1	Gajendra	180	-new	-		1	4		5
Bargarh	Income generating activities	Mushroom	Kharif 2010	Paddy straw mushroom cultivation	100 no	V. volvacea	1.25kg/bed	new	-			10		10
Bargarh	Small scale income generating activities	Papaya	Kharif 2010	Cultivation of Papaya in backyard	0.2	Coorg Honey Dew	Continuing				1	4		5
Bargarh	Small scale income generating activities	Mushroom	Rabi 2010-11	Scientific methods of bed preparation plucking, watering	100no	P.sajarca ju	2.2kg/bed	new	-		3	5	2	10
Bargarh	Income generating activities	Marigold	Rabi 2010-11	Seedling treatment, standard packages practices	0.2	Inca Yellow	150	135	11			5		5
Bargarh	Income generating activities	Vermicompost	Rabi 2010-11	Preparation of vermicomposting, harvesting techniques & packaging	1.5 m3/tank	E.foetida	Continuing					4		4

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Bargarh	Paddy	Seed-60kg per ha, Fertiliser (NPK) 60:30:30, Need based plant protection	Yield,q	42.5	38	27500	26000	42500	38000	15000	8000	1.54	1.46
Bargarh	Paddy	Seed-75kg per ha, Fertiliser (NPK) 60:30:30, Need based plant protection	Yield,q	40	38.5	32800	28500	60000	38500	27200	10000	1.83	1.36
Bargarh	Paddy	Alley planting, alternate wetting and drying, reduced Nitrogen application & spraying of multineem (300 ppm)@ 5ml/lit followed by Imidachoprid @3ml/10 lit of water at 15 days interval	Yield,q	32	26	22000	21000	34000	27000	12000	6000	1.54	1.28
Bargarh	Paddy	Seed treatment with Tricyclazole 2.5g/kg of seed & spraying with Tricyclazole 0.6 gm/lit. followed by Validamycine 2ml/lit	Yield,q	38	31.5	25000	23000	40000	33500	15000	10500	1.6	1.45
Bargarh	Maize	Resistance to water logging, spraying of fungicides at tasseling stage	Yield,q	40	new	25000		80000		55000		2.2	
Bargarh	Paddy, Tomato, Okra	Sequence cropping	Continue										
Bargarh	Cabbage	IPM practices in cabbage	Cabbage head weight (Kg), Yield (q/ha)	1.2 kg 260 q/ha	1.0 kg 198 q/ha	52600	46300	130000	99000	77400	52700	2.47	2.13
Bargarh	Cow Pea	Application of Bio-fertiliser (Rhizobium), YMV resistant seeds	Yield,q	67.5	55	24000	19000	54000	37000	30000	18000	2.25	1.94
Bargarh	Chilli	Application of micronutrient, Bio fertilizer and use of improved seeds	Yield,q	102.4	87	80000	75000	205800	174000	125800	99000	2.56	2.32

Bargarh	Tomato	Application of micronutrient, growth regulator and improved seed	Yield,q	290	248	62000	58000	174000	148800	112000	90800	2.80	2.56
Bargarh	Papaya	Application of bio fertilizer and use of improved seeds	continuing										
Bargarh	Elephant Foot Yam	Cv. Gajendra, Seed treatment, Use of fertiliser at recommended doses	Yield,q	180	new	130000		270000		140000		2.07	
Bargarh	Mushroom	Scientific method of bed preparation	Yield,kg	1.25kg/bed	new	7000 per 100 beds	New introduction	15000		8000		2.1	
Bargarh	Papaya	Seed treatment, seedling raising, papaya cultivation	Yield,q	Result awaited									
Bargarh	Pumpkin	Application of bio-fertiliser, growth regulator and use of improved seed	Yield,q	Result awaited									
Bargarh	Okra	Application of zinc EDTA @ 1gm per lit.	Yield,q	Result awaited									
Bargarh	Mushroom	Scientific methods of bed preparation plucking, watering	Yield,kg	2.2kg/bed	new	3000/100bed	New introduction	8800		5800		2.9	
Bargarh	Marigold	Seedling treatment, standard packages practices	Yield,q	150	135	120000	115000	225000	202500	105000	87500	1.87	1.76
Bargarh	Vermicompost	Preparation of vermicomposting, harvesting techniques & packaging	Yield,q	Result awaited									

3.4 Feedback of the Farmers

Name of KVK	Feedback
Bargarh	<ol style="list-style-type: none"> 1. The variety of maize 30R-77 is high yielder with bigger size seed and good marketability. Application of fungicide during cob formation is more beneficial in providing good yield 2. Sri Shyamlal Bhoi shown a great interest in Utkal Manika variety. He has collected the seeds and planning to try this variety in coming Rabi as well as next Kharif 3. Paddy straw mushroom cultivation is a profitable enterprise for housewives. However, good quality spawn should be made available by Govt. agency at the time of peak requirement.

	<p>4. Performance of Manawini variety of paddy was good giving good yield over MTU-1001 and less disease and pest occurrence.</p> <p>5. The newly introduced Chilli variety “Utkal Ava” is highly pungent, oblong fruiting behavior and bacterial wilt resistant.</p> <p>6. The marigold variety Inca yellow having power of good size, more no. of flower in a plant than local, good keeping quality and readily accepted by the customer.</p>
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3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bargarh	Paddy	Field days			
		Farmers Training	1	25	
		Media coverage	2	Mass	
		Training for extension functionaries			
Bargarh	Cowpea	Field days			
Bargarh		Farmers Training	1	25	
Bargarh		Media coverage	1	Mass	
Bargarh		Training for extension functionaries			
Bargarh	Mushroom	Field days	1	40	
Bargarh		Farmers Training	1	25	
Bargarh		Media coverage	1	Mass	
Bargarh		Training for extension functionaries			
Bargarh	Elephant foot yam	Field days			
Bargarh		Farmers Training	1	25	
Bargarh		Media coverage			
Bargarh		Training for extension functionaries			
Bargarh	Papaya	Field days			
Bargarh		Farmers Training	1	25	
Bargarh		Media coverage			
Bargarh		Training for extension functionaries			

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants involved
Bargarh	Vocational training for farmer & farm women	Group discussion. Feedback as received from line department officials.PRA survey.	03-07-2010,Baipali	25
Bargarh	Training for farmer & farm women	Group discussion. Feedback as received from line department officials.PRA survey.	21-06-2010,M.Gandpali	25
Bargarh	PRA Survey	Through participatory mode	20-12-2010.Jamtikra	25
Bargarh	Bench mark survey	Through participatory mode	14-01-2011.Kulitatukura	20

Abbreviation Used

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

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
Bargarh	FW	OFC	HOV	Cultivation technique of Cowpea	1	1	0	0	0	0	0	0	25	0
Bargarh	FW	OFC	HOT	Cultivation technique of sweet potato	1	1	1	0		0	2	0	22	0
Bargarh	FW	OFC	HOV	Off season vegetable cultivation technique	1	1	1	0		0	3	0	21	0
Bargarh	FW	OFC	HOV	Use of plant growth regulator in vegetable crops	1	1	4	0	4	0	2	0	15	0
Bargarh	FW	OFC	HOV	Cultivation technique of pointed gourd.	1	1		0		0		0	25	0
Bargarh	FW	OFC	HOV	Nutrient Management in Solanaceous vegetables	1	1		0		0		0	25	0
Bargarh	FW	OFC	HOF	Improved cultivation techniques of Banana	1	1	1	0	9	0	2	0	13	0
Bargarh	FW	OFC	HOF	Planning & layout of orchards	1	1		0	1	0		0	24	0
Bargarh	FW	OFC	HOS	Cultivation techniques of Onion	1	1		0		0	3	0	22	0
Bargarh	FW	OFC	HOV	INM in cole crops	1	1	1	0		0	1	0	23	0
Bargarh	FW	OFC	HOV	Cultivation technique of Summer Okra	1	1		0	6	0		0	19	0
Bargarh	FW	OFC	HOV	Cultivation technique of pumpkin	1	1		0	3	0	2	0	20	0
Bargarh	FW	OFC	HOF	Cultivation technique of Papaya	1	1	3	0	2	0		0	20	0
Bargarh	FW	OFC	HOV	Cultivation technique of Tomato	1	1		0	5	0		0	20	0
Bargarh	FW	OFC	SFM	Method of collection of sol sample & testing	1	1		0	3	12	0	1	1	8
Bargarh	FW	OFC	SFM	Integrated nutrient management in rice	1	1	0	0	0	0	0	0	25	0
Bargarh	FW	OFC	SFM	Use of biofertilisers in agriculture	1	1	0	0	1	0	0	0	24	0
Bargarh	FW	OFC	SFM	Integrated nutrient management in greengram	1	1	6	0	5	0	1	0	13	0
Bargarh	FW	ONC	CRP	Care during seed production in rice	1	1	0	0	7	0	0	0	18	0
Bargarh	FW	ONC	CRP	Use of quality seeds in field crops	1	1	0	0	6	0	0	0	19	0
Bargarh	FW	ONC	CRP	Cultivation practices of hybrid rice	1	1	1	0	6	6	0	0	12	5
Bargarh	FW	OFC	CRP	Seed production procedure in rice	1	1	0	0	5	6	0	0	11	8
Bargarh	FW	OFC	CRP	SRI method of rice cultivation	1	1	0	0	2	0	0	0	23	0
Bargarh	FW	OFC	CRP	Cultivation practices of mustard	1	1	0	0	2	0	0	0	23	0
Bargarh	FW	OFC	CRP	Nursery management in rice	1	1	0	0	6	0	0	0	19	6
Bargarh	FW	OFC	CRP	Cultivation practices of tissue culture banana	1	1	0	0	0	4	0	4	4	13
Bargarh	FW	OFC	CRP	Weed management in Rice	1	1	6	0	3	0	0	0	16	0
Bargarh	FW	OFC	CRP	Crop diversification in irrigated situation	1	1	0	0	2	0	0	0	23	0

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
Bargarh	FW	OFC	CRP	Integrated weed management in groundnut	1	1	1	0	0	0	3	0	21	0
Bargarh	FW	OFC	CRP	SRI method of rice cultivation	1	1	0	0	0	0	3	0	22	0
Bargarh	FW	OFC	IPM	Management of pests and diseases in Groundnut	1	1	0	0	0	0	0	0	30	0
Bargarh	FW	OFC	IDM	Integrated management of rhizome rot in ginger	1	1	0	0	2	0	1	0	22	0
Bargarh	RY	ONC	CRP	Seed production procedure in Brinjal	1	2	0	0	0	4	0	4	4	13
Bargarh	RY	ONC	HOV	Nursery raising technique of vegetables	1	2			1				14	
Bargarh	RY	ONC	HOO	Commercial cultivation of Gladiolus for income generation	1	2			2				13	
Bargarh														
Bargarh	FW	OFC	IDM	Integrated management of red rot in sugarcane	1	1		0	0	0	0	0	25	0
Bargarh	FW	OFC	IPM	Use of ITK for pest control	1	1				2		2	9	12
Bargarh	FW	OFC	IPM	Integrated pest and disease management in rice	1	1	2				5		18	
Bargarh	FW	OFC	IPM	Integrated pest and disease management in maize	1	1			1				23	
Bargarh	FW	OFC	IPM	Integrated pest and disease management in Blackgram	1	1			9				16	
Bargarh	FW	OFC	IPM	Important pest and disease of pumpkin and their management	1	1			2		1		27	
Bargarh	FW	OFC	IPM	Organic pest control methods	1	1	1				4		20	
Bargarh	FW	OFC	IPM	IPM in cole crops	1	1			1		1		23	
Bargarh	FW	OFC	IPM	Biological control of paddy stem borer	1	1					1		24	
Bargarh	FW	OFC	IPM	Biological control of pests of vegetables	1	1	4		5		1		15	
Bargarh	FW	OFC	IPM	Alternative pest control methods	1	1			2		3		20	
Bargarh	RY	ONC	IPM	Critical issues in biocides and bioagents productions	1	2			1				14	
Bargarh	RY	ONC	IPM	Integrated pest and disease management in Seed paddy crops	1	2			3				22	
Bargarh	IS	OFC	IPM	Integrated pest and disease management in pulses	1	1	7		2				16	
Bargarh	IS	OFC	IPM	Integrated pest and disease management in vegetables	1	1	3		3		1		18	
Bargarh	IS	OFC	IPM	Recent advancement in implementable pest management technology	1	1	5		2		3		20	
Bargarh	FW	OFC	WOE	Cultivation of elephant foot yam	1	1	-	-	-	2	-	5	-	18
Bargarh	FW	OFC	WOE	Storage of cereal & pulses by ITKs	1	1	-	-	-	-	-	10	-	15
Bargarh	FW	OFC	WOE	Raising of vegetable seedlings in nursery	1	1	-	2	-	-	-	10	-	13
Bargarh	FW	OFC	WOE	Paddy straw mushroom cultivation	1	1	-	5	-	-	-	3	-	17

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14		
Bargarh	FW	OFC	WOE	Gender sensitization through WSHG	1	1	-	2	-	2	-	1	-	20
Bargarh	FW	OFC	WOE	Cultivation of papaya	1	1	-	2	-	3	-	5	-	15
Bargarh	FW	OFC	WOE	Value addition to mushroom	1	1	-	-	-	1	-	3	-	21
Bargarh	FW	OFC	WOE	Use of different weeders for drudgery reduction	1	1	-	-	-	17	-	1	-	7
Bargarh	FW	OFC	WOE	Preparation & uses of vermicompost	1	1	-	-	-	-	-	3	-	22
Bargarh	FW	OFC	WOE	Use of different threshers for drudgery reduction	1	1	-	2	-	-	-	6	-	17
Bargarh	FW	OFC	WOE	Cultivation of marigold	1	1	-	1	-	1	-	-	-	23
Bargarh	FW	OFC	WOE	Oyster mushroom cultivation	1	1	-	2	-	-	-	10	-	13
Bargarh	FW	OFC	WOE	Value addition totomato	1	1	-	-	-	5	-	-	-	20
Bargarh	FW	OFC	WOE	Value addition to lemon	1	1	-	-	-	4	-	-	-	21
Bargarh	RY	ONC	WOE	Paddy straw mushroom cultivation for gainful employment	1	2	-	-	-	-	-	4	-	11
Bargarh	RY	ONC	WOE	Oyster mushroom cultivation for gainful employment	1	2	-	-	-	-	-	8	-	7
Bargarh	IS	OFC	WOE	Balanced diet for pregnant & lactating mothers	1	1	-	3	-	3	-	-	-	6
Bargarh	FW	OFC	WOE	Planning, layout & crop rotation in kitchen garden	1	1	-	-	-	2	-	2	-	21

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Bargarh	Commercial propagation method of fruit plants	crop	Non availability of good planting material	5	0	0	0	0	10	0
Bargarh	Value addition to fruits & vegetables	enterprise	Value addition	5	0	0	0	0	0	10

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Bargarh	e-pest surveillance	IPM	IPM	IS	1	1	32		5		8		Deputy Director plant protection, Bhubaneswar	

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Bargarh	Training on Integrated management of Swarming Caterpillar of Paddy	25	34	66	28	35	22400	28000	1. 54ha 2. Out of 25 trainees, 14 farmers adopted the practice of chemical control of Swarming caterpillar 3. (i) Knowledge:.56% (After- Before)/Before *100 (ii) Production:40% (ii) Income: 25%
Bargarh	Integrated disease management of paddy	25	39	69	32	38	25600	30400	1 . Area expanded 66ha 2 Out of 25 farmer 17 adopted the Technology of IDM 3. Knowledge68%, Production19%. Income 18.75%

Bargarh	Insect pest Management in groundnut	25	23	49	7	9	17500	22500	1 Area expanded 22 ha 2. Out of 25 farmers 14 farmers adpted the technology 3. Knowledge 56%, Production change 29%, Income change 28%
Bargarh	Mgt. of phomopsis fruit rot in brinjal	25	12	37	200	220	1,00,000	110000	1. Area Expanded 14 Ha 2. Out of 25 farmers 13 farmer adopted the technology 3. Knowledge 52%, Production change 10%,. Income 10%
Bargarh	Mgt. of stem borer in paddy	25	43	74	32	36	25600	28800	1. Area expanded 48 ha 2.Out of 25 farmers 18 farmer adopted the technology. 3. knowledge 72%, Production change 12.5%, Change in income 12.5%
Bargarh	Poultry management	25	45	78	100	100	12000	30000	1. Area expanded 35 farm families 2. Out of 25 farmer 17 adopted the technology. .3. Change in income 150%
Bargarh	Paddy straw/Dhingri	50	24	56	New	1.5Kg Per bed (90 Bed		10800	1. Area Expanded 60 farm families 2. Out of 50 farmers 30 adopted the practice. 3. Change in knowledge60%

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Bargarh	Field Day	4	4	80	64	10	20	2	2			
Bargarh	Kisan Mela	1	1	65	10	20	5					
Bargarh	Kisan Ghosthi	12	9	75	15	20	10	20	15	1Controlling collar rot in G.nut, 2seed treatment in blackgram,3protection from tungro virus in paddy,4 marketing in mushroom,5 vegetable nursery raising	1Disease management in G.nut 2 ,seed treatment methodology3 ,vector control methodology,4 preservation methodology5nursery raising techniques	1Seedling.2Seed sowing.3 Vegetative stage.4Harvesting . 5 Sowing
Bargarh	Exhibition	1	1	Mass								
Bargarh	Film Show											
Bargarh	Method Demonstrations	10	6	60	20	10	5					
Bargarh	Farmers Seminar	1	1	16	7	9	4	3	1			
Bargarh	Workshop											
Bargarh	Group meetings	15	12	60	34	14	8	4				
Bargarh	Lectures delivered as resource persons	12	10	90	20	32	18	8	3			
Bargarh	Newspaper coverage	5	3	mass								
Bargarh	Radio talks	7	6	mass								
Bargarh	TV talks	6	6	mass								
Bargarh	Popular articles											
Bargarh	Extension Literature											
Bargarh	Farm advisory Services											
Bargarh	Scientific visit to farmers field	100	90	145	70	35	25					
Bargarh	Farmers visit to KVK	700	700	498	102	52	48					
Bargarh	Diagnostic visits	58	58	350	50	30	8					
Bargarh	Exposure visits	5	5	5								
Bargarh	Ex-trainees Sammelan	4	3	20	15	25	15					

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Bargarh	Soil health Camp											
Bargarh	Animal Health Camp	2	2	42	8	16	4					
Bargarh	Agri mobile clinic											
Bargarh	Soil test campaigns											
Bargarh	Farm Science Club conveners meet	4	3	30		15						
Bargarh	Self Help Group conveners meetings	12	10		60		30		20			
Bargarh	Mahila Mandals conveners meetings											
Bargarh	Celebration of important days	3	2	24	16	22	8					

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Bargarh		Sept-dec-2010	220	185
Bargarh		Jan-mar-2011	200	35

7.2 Literature developed/published

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
KVK Name	Type	Title	Author's name	Number of copies
Bargarh				
Bargarh				
Bargarh				
Bargarh				

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Bargarh	CD	Major insect, pest of rice	1
Bargarh	CD	Management of Tungro virus in paddy	1

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity(Qt)	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Bargarh	Cereals	Paddy	MTU-7029,MTU-1001,Pratikshya,Naveen	SD	326.1	36.23q/ha	629337	Sold to OSSCL
Bargarh	Pulses	Arhar	Asha	SD	2.4	12q/ha	16800	
Bargarh	oilseed	Groundnut	Smruti	SD	2.2	11q/ha	9167	
Bargarh	Fruits	mango	Amrapali,Nilam,Banganpali,Langra		27		27000	
Bargarh	Spices	Turmeric	Roma	SD	3.9		15000	
Bargarh	Tubers	Elephantfoot yam	Gajendra		1		1500	

8.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Bargarh	Seedlings	Tamato, Brinjal, Chilli, Onion, Papaya						64958 no		14950	

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Bargarh	BIOAGENTS(Earth worm)	1000 no.	100	500	
Bargarh	BIOFERTILIZERS(vermi compost)	633 k.g	500	4105	
	BIO PESTICIDES				

8.4 Livestock and fisheries production

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

9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then-YES, but Spectrophotometer, Flame photometre & nitrogen auto analyser need to be repaired for which manufacturing company has been contacted.

Year of establishment : -2006

9.1 Details of soil & water samples analyzed so far :

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) :

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Bargarh	Aug	2010	Paddy straw mushroom cultivation for gainful employment	2	15	30	
Bargarh	Sep	2010	Nursery raising technique of vegetables	2	15	30	
Bargarh	Sep	2010	Critical issues in biocides and bioagents productions	2	15	30	
Bargarh	Jan – Feb	2011	Commercial propagation method of fruit plants	5	10	50	
Bargarh	Mar	2011	Value addition to fruits & vegetables	5	10	50	
Bargarh	Jan	2011	Integrated pest and disease management in Seed paddy crops	2	15	30	
Bargarh	Jan	2011	Commercial cultivation of Gladiolus for income generation	2	15	30	
Bargarh	Feb	2011	Seed production procedure in Brinjal	2	15	30	

12. Utilization of Staff Quarters facilities

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

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bargarh	22-2-2011	44	Floriculture, organic farming of vegetables, production of button mushroom, popularisation of Gir breed of cattle, Jamunapari of goat, azolla as animal feed, popularization of seed village; formation of krishak club, adopting IPM through participatory mode, preservation & popularization of good quality high yielding local varieties.

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Bargarh	16	137	17	Fertilizer management in paddy, Hormone application in vegetables, Timely pest & disease management, Varietal recommendation etc.

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Bargarh	ATMA		-			
	MNREGA					
	NHM					
	RKVY					
	DRDA					
	Zila Panchyat					
	Seed village					
	NAIP					
	Climate Change					
	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Bargarh	30163765041	51993	107578	Continuing

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Bargarh	Chakradhara pradhan	Innovator farmers meet	ICAR	Memento & Certificate

18. Case study and Success Story – Two best only in the following format

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

Success Story-1

Title: A new spawn production unit – boon for mushroom growers

Introduction: Mushroom production is now popularised among the peoples of Bargarh district. The demand for mushroom production is rising day by day due to its taste & fetching more price in the market. So both the consumers & growers are satisfied with mushroom production. But obtaining the good quality of spawn in the local market was a major hindrance factor for the mushroom growers. The growers were mainly depend on spawn production centres of Bhubaneswar for good quality spawn.

In Jamtikra village out of 200 nos of household, 152 nos are normally raising paddy straw mushroom in commercial basis. Each family was getting an avg. of Rs 50,000/- from paddy straw mushroom within 3 months (July to September). They were very much satisfied with the income from mushroom but worried for getting good quality of spawn. They were not getting the chance of selecting spawn as per their requirement number & stages of spawn in time because they ordered / booked in advance with the spawn production centres of Bhubaneswar. They were also faced a lot of problems in transaction of spawn bottles by bus.

KVK Intervention: Keeping the above aspects in view, KVK, Bargarh persuaded the local growers to take initiative for opening a spawn production unit. After a lot of efforts a rural youth named Sri Bharat Padhan convinced & came forwarded to open & run a spawn unit. Under KVK guidance he went to CTMRI, OUAT, Bhubaneswar for training to produce spawn in the production unit. After one month training he opened a new spawn production unit in June, 2010.

Output: Sri Padhan is able to produce an average of 250 spawn bottles/day. He produced nearly 20,000 no. of spawn bottles @ Rs 7/-. He got an average of Rs 2,60,000/- by selling it @ Rs 13/- per spawn bottle. He told that he got a net profit of Rs 1,10,1000/- during these 3 months as he kept Rs 10,000/- for infected & destructive bottles.

Outcome: The new spawn production is now able to provide the requisite no. of good quality spawn bottles to the local mushroom growers in time. The mushroom growers are happy as they are getting the chance of selecting good quality spawn & also according to their required number & stages of spawn. Their money is also saved in transaction process. The new unit is not only helpful for the growers but also for the producer. As for this new unit Sri Padhan is now self-employed & considered as a ideal entrepreneur for others.

Impact: The new spawn production unit is occupying a special / unique place for itself among the local mushroom growers. Including Jamtikra the other nearby villagers are also depending on this centre for collection of spawn. By observing this successful achievement of this spawn production centre 15 – 20 more people of the nearby villages came forward and rushed to KVK for getting proper guidance to open new spawn production unit in their local areas.



Culturing spawn in the inoculation chamber



Guidance for pressure maintenance in autoclave



Supervising the mushroom growth

Success Story – 2

Title: A successful Kharif Groundnut Seed Producer

- Introduction:** Sri Subash Ch. Padhan (52years) is considered as a progressive farmer of village M. Gandapali. His five member family consists of his wife, one daughter and two sons. He is the owner of 7 acres of land in which he is cultivating paddy on 6 acres, vegetables like pumpkin & chilli on 2 acres and groundnut on 3 acres of land. At the age of 15 years he helped his father in rice cultivation. Gradually he showed interest in crop diversification like groundnut cultivation & vegetable farming for more profit. Since 30 years he has practical groundnut cultivation in Rabi season.
- Intervention:** This year he was set up his mind for Kharif groundnut seed production under the guidance of KVK. After getting technical intervention from KVK scientist he selected shorter duration variety *Smruti* instead of conventional variety AK 12-24 for its boldness, red colour, higher oil content, well resistance to bud necrosis and stem rot with higher yield. For this he had used 50 kg of foundation seeds/acre @ Rs 46/kg & done seed treatment with *Vitavex Power* @ 3gm/kg of seed. He applied 10 carts of compost/acre with balanced dose of fertilisers & micronutrients like Boron & Sulphur. Timely irrigation with need based spraying of pesticide & insecticides was also done.
- Output:** He totally spent a sum of Rs 8200/- for one acre of groundnut cultivation. In return he produced 8 quintal/acre. He was able to earn Rs 25,000/- by selling the produce as certified seed @ Rs 35/ kg to Orissa State Seed Corporation in which processing loss was counted as 10-12 %. In this way he got Rs 75,000 from 3 acres of groundnut seed production.
- Outcome:** The farmers of nearby areas mainly the two block of Bargarh district i.e. Sohela and Bijepur also shown their interest to produce groundnut seed in next Kharif after observing the yield and income of Mr. Pradhan. The local farmers are also not forget to appreciate the effort of KVK for popularising *Smruti* variety in context to its quality and quantity in terms of yield compared to their traditional variety.
- Impact:** He is able to earn Rs 2.5 lakh in this year from Khaif groundnut seed production along with mixed farming i.e. Groundnut – Pumpkin & Chilli – Paddy. With this income he enabled to do his daughter's marriage for which he feels himself vary proud. He is also promised to produce more Kharif Groundnut seed from additional two acres of land for the coming year.
- Summary:** Generally the groundnut seed production in Rabi is an profitable agricultural enterprise. The farmer also be more benefitted by producing the groundnut seed during Kharif through utilising their suitable land i.e. sandy soil for it. Now even if more farmers have not adopted the practice, still than they have aware of it through KVK and promised to produce this in a large scale for the next season.



Scientist recommendation in farmers field



An ideology for other groundnut growers

19. Details of KVK Agro-technological Park

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

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bargarh	Prof. D. P. Ray, Hon'ble Vice Chancellor	17.04.2010	
Bargarh	Prof. S.N. Nanda, DEE	23.07.2010	
Bargarh	Sj. A. Patel, DAO, Bhatli	06.10.2010	
Bargarh	Sj. N. Behera, DDA, Bargarh	23.09.2010	
Bargarh	Dr. K. K. Rout, ADR(RRTTS), Chiplima	17.04.2010	
Bargarh	Dr. Panda, VAS , Bhatli	17.04.2010	

Bargarh	Dr. B. Mishra, PPO, Bhatli	06.10.2010	
Bargarh	Sj. P. Mohanty, Agronomist, Bhatli	06.10.2010	
Bargarh	Dr. S. Tripathy, FS, Gambharipali	12.10.2010	
Bargarh	Mr. John Kernstock, USA	12.10.2010	
Bargarh	Prof. R. K. Raj, JDEE, OUAT		
Bargarh	Prof. S. S. Nanda, DEE, OUAT	22.02.2011	

21. Status of KVK Website: Available/Not Available Available

www.kvkbargarhzipdvii.org

22. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Bargarh	21/4/2010	4		1			
Bargarh	28/5/2010						Not attended due to unavailability of electricity
Bargarh	6/6/2010	2					
Bargarh	17/6/2010	1					
Bargarh	21/6/2010	2					Farmers are very much impressed
Bargarh	22/6/2010	1					
Bargarh	29/6/2010	2					Topic is very much useful.
Bargarh	7/7/2010	2					

Bargarh	14/7/2010	2					Topic is very much useful.
Bargarh	19/7/2010	2					Topic is very much useful.
Bargarh	26/7/2010						
Bargarh	30/7/2010 31/7/2010	2		1			
Bargarh	23/09/2010						Internet was not working due to cloudy weather

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings (No)			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

24. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
	Oilseeds	202.20	630
	Pulses		
	Cereals		
	Vegetable crops		
	Tuber crops		
	Fruits		
	Spices		
	Cotton		
	Total		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
	Dairy Management	5	119
	Disease management		
	Feed and fodder technology		
	Poultry management		

Animal health camps organised

Name of KVK	Number of camps	No. of animals	No. of farmers
	13	3646	882

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

(e) Bio-Fertilizer

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

(f) Vermes Produced

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

(g) Large scale adoption of resource conservation technologies

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

(h) Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

25. **Status of KVK Website:** Already having website/under construction
If available, please provide the address of website:

www.kvkbargarhdpdvi.org

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



FLD on Oilseed (Groundnut)



FLD on Pulse (Arhar)



FLD on Pulse NFSM (Blackgram)



Assessment of Bio-fungicide with Ridomil for control of Rhizome rot in Ginger



Assessment of fungicide with Vitavax power for control of groundnut wilt



Assessment of Herbicide application in Groundnut for weed control



Assessment of Amrit variety of Sesamum



Assessment of Urmi variety of Horsegram



Integrated management of Blast & Sheath Blight in paddy



Improved cultivation practices of hybrid Maize



FLD on Pulse NFSM (Greengram)



OFT on Cucumber var. Juhi



OFT on Radish variety "Pusa Chetki"



OFT on wilt tolerant Brinjal var. Utkal Anushree



OFT on coriander var. Karishma



OFT on Onion var. Agrifound light red



Assessment of Boron in Cauliflower



FLD on YMV tolerant Okra



FLD on HYV of Cow Pea "Utkal Manika"



FLD on Chilli var. "Utkal Ava"



FLD on HYV of papaya var. Coorg Honey Dew



FLD on wilt tolerant var. of tomato "Utkal Pragyan"



OFT on Ketakijuha



OFT on paddy var. "Chandan"



OFT on paddy var. "Naveen"



FLD on paddy var. "Manaswini"



FLD on paddy var. "MTU-1001"



OFT on Sirohi buck



OFT on Mandwa weeder



FLD on paddy straw mushroom cultivation



FLD on Marigold cultivation



FLD on Oyster mushroom cultivation



FLD on Elephant foot yam var. Gajendra



Training to rural youth