

ANNUAL REPORT

(APRIL : 2012 - MARCH : 2013)



**KRISHI VIGYAN KENDRA
BOLANGIR**



R.E. FARM, LARKIPALLI, BOLANGIR-767002

Orissa University of Agriculture & Technology

Bhubaneswar-751003

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REPORTING PERIOD – April 2012 to March, 2013

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	
Bolangir	OFTs	16	107	14	76	
Bolangir	FLDs – Oilseeds (activity in ha)	5	10	10	28	
Bolangir	FLDs – Pulses (activity in ha)	5	10	19.2	51	
Bolangir	FLDs – Cotton (activity in ha)	-	-	-	-	
Bolangir	FLDs – Other than Oilseed and pulse crops(activity in ha)	15.5	120	10.76	86	
Bolangir	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	6	30	5no & 1.5 ha	23	
Bolangir	Training-Farmers and farm women	70	1750	71	1775	
Bolangir	Training-Rural youths	23	345	17	255	
Bolangir	Training- Extension functionaries	11	110	7	70	
Bolangir	Extension Activities	124	3000	560	4200	
Bolangir	Seed Production (Number of activity as seeds in quintal)	140		270	-	5,00,000 (Approx)
Bolangir	Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	
Bolangir	Seedling Production (Number of activity as number of seedlings in numbers)	150000	-	44,280	60	17,400
Bolangir	Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	
Bolangir	Other Bio- products (Vermiculture)/Compost	5 kg /4 q	-	7.4 kg /4 q	-	15,864
Bolangir	Live stock products (Banaraja chicks)	400 no.	-	400 no.	-	6,000(Approx)
Bolangir	SAC Meeting (Date & no. of core/official members)	2	-	1	17.12.12 / 35	
Bolangir	Newsletters (no.)	4	mass	4	mass	
Bolangir	Publication (Research papers, popular article)	12	mass	20	mass	
Bolangir	Convergence programmes / Sponsored programmes	-	-	2	50	40,000
Bolangir	KVK-ATMA Linkage programme (Number of activities)	-	-	10	90	
Bolangir	Outreach of KVK in the District (No. of blocks, no. of villages)	-	--	10, 60	-	
Bolangir	Soil sample tested	40	-	52	-	-
Bolangir	Water sample tested	-	-	-	-	
Bolangir	KMA (No. of messages & beneficiaries)	250	-	300	900	

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)
Bolangir	Programme Coordinator	Dr. Sushant Ku. Patra	Fishery Science	Ph.D.	Aquaculture	15600-8000-39000	15600-8000-39000	31.08.2012	Permanent	SC
Bolangir	Subject Matter Specialist1	Sri Kamalakanta Behera	Agril. Extension	M.Sc (Ag)	Agril. Extension	15600-6000-39000	16250+6000	19.04.2010	Permanent	Others
Bolangir	Subject Matter Specialist2	Smt. Sasmita Purohit	Home Sc	M.Sc (H.Sc.)	Food & Nutrition	15600-6000-39000	20050+6000	11.06.2010	Permanent	Others
Bolangir	Subject Matter Specialist3	Smt. Swagatika Srichandan	Horticulture	M.Sc (Hort)	Vegetable Science	15600-6000-39000	16250+6000	19.08.2011	Permanent	Others
Bolangir	Subject Matter Specialist4	Sri Ashis Kumar Das	Plant Protection	M.Sc (Ag)	Agril. Entomology	15600-6000-39000	20050+6000	26.12.2011	Permanent	Others
Bolangir	Subject Matter Specialist5	Vacant								
Bolangir	Subject Matter Specialist6	Vacant								
Bolangir	Programme Assistant	Vacant								
Bolangir	Farm Manager	Vacant								
Bolangir	Computer Programmer	Sri Rabi Narayan Satapathy	Computer	MCA	Information technology	9300-4200-34000/-	13540-4200	21.11.2009	Permanent	Others
Bolangir	Accountant / superintendent	Vacant								
Bolangir	Stenographer	Vacant								
Bolangir	Driver	Vacant								
Bolangir	Driver	Sri Upendra Mishra			Matric	5200-1900-2400	5870	01.04.2011	Permanent	Others
Bolangir	Supporting staff	Sri Sagar Chhatria			Under Matric	4440-1300-7440	4990	21.11.2009	Permanent	SC
Bolangir	Supporting staff	Vacant							Permanent	Others

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

Bolangir district lies between 20° 9' N to 21° 5' N latitude and 82° 39' E to 85° 15' E longitude under the west central table land (WCTL) zone. The district spread over 6569 sq. km. accounting for 38.21% of the total geographical area (17,190 sq.km.) of the WCTL zone. It has three physiographic units viz. Plain land, undulating plain land and undulating sub-mountainous tract. The district is surrounded by Sonepur, Bargarh, Nuapada, Kalahandi and Boudh district. The main river of the district is Tel. Besides Tel, there are other rivers like Sonegarh, Lanth, Ong, Suktel, Under and Rahul. The district consists of three Subdivisions, 14 Blocks, 285 Grampanchayats, 1794 villages and 4 local bodies.

01	Agro-climatic zone	West central table land zone	
01	Geographical area in ha		6,57,500
02	Location	Longitude	82° 39' E to 85° 15' E
		Latitude	20° 9' N to 21° 5' N
03	Forest area (ha)		154385
04	Cultivated area (ha)	Highland	1,89,325
		Medium land	70,155
		Low	85,995
		Total	3,45,475
05	Irrigated area (ha)	Kharif	76,770
		Rabi	30,100
06	No. of Sub-division		03
07	No. of Blocks		14
08	No. of G.P.		285
09	No. of D.A.O. circle		03
10	No. of A.A.O. circle		28
11	No. of PACS		160
12	No. seeds sale centre	Govt.	28

13	Population as per 2001 census		13,37,194
		Male	6,73,985
		Female	6,63,209
14	Sex ratio		984
15	SC Population		226300 (17%)
16	ST population		275822 (21%)
17	Literacy rate		55.70%
18	Average holding size in ha		1.43
19.	Average Rain fall		1283mm
20.	Soil type		Mixed Red & black, Red, Laterite & Mixed red and yellow

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)
Bolangir	Fatakara	2009	Puintala	15	1180	473
Bolangir	Lepta	2009	Puintala	18	783	297
Bolangir	Larkipalli	2010	Bolangir	02	649	184
Bolangir	Khujenpali	2010	Bolangir	09	986	343
Bolangir	Kareldhua	2010`	Saintala	28	592	278

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

KVK Name	THRUST AREA
Bolangir	Crop diversification
Bolangir	Reclamation of degraded land
Bolangir	Integrated Nutrient Management practices
Bolangir	Integrated Disease and Pest Management
Bolangir	Quality seeds and seedling production
Bolangir	Income generating activities for rural women/ school dropouts
Bolangir	Value addition to seasonal vegetables
Bolangir	Integrated farming system
Bolangir	Proper health management of domestic animals & birds
Bolangir	Weed management & Soil processing
Bolangir	Substitution of ruling varieties with improved/hybrid varieties
Bolangir	Marketing and production strategies
Bolangir	Recycling of farm wastes for vermicompost
Bolangir	Farm mechanization
Bolangir	Off season vegetable cultivation
Bolangir	Promotional of nutritional garden
Bolangir	Introduction of suitable varieties with improved packages of practices
Bolangir	Effective use of family labour through need based livelihood option

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

KVK Name	Problem identified	Methods of problem identification
Bolangir	Severe soil erosion in sloppy uplands	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Bolangir	Soil acidity - Poor knowledge about soil testing and soil health management	Through District soil map and discuss with line department officers (Soil Chemist) and sample soil testing
Bolangir	Non availability of waste land management techniques	Group discussion, PRA in sample villages
Bolangir	Low and imbalance use of manures and fertilizers in all crops	Farmers meetings, harvest report, sample testing of crop & discuss with line department officers
Bolangir	Severe crop weed competition in Kharif upland crops	Discuss with farmers, crop observation, sample study and PRA
Bolangir	Non availability of enough inputs (seed, fertilizer, pesticides) in timely	Discuss with farmers and fertilizer dealers, discuss with district administration and JQCI of agriculture department
Bolangir	Lack of storage facility for fruits and vegetables	Sample study, discuss with district civil officer, discuss with fruit & vegetable merchant, discuss with farmers and horticulture officer
Bolangir	Poor nutrient status and low water holding capacity of soil	Discuss with soil chemist & soil scientists of Zonal Research Station & ICAR institute and sample testing of soils of different villages
Bolangir	Lack of irrigation facility during Rabi/Summer except Hirakud command area	Discuss with farmers, discuss with irrigation department & district civil administration and personal observation during field visit.
Bolangir	Low availability and adoption of dryland farming technique	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Bolangir	Inadequate knowledge about post harvest technology	Discuss with village leaders and old farmers, discuss with line department, sample observation, personal observation during field visit

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	
Bolangir	Kharif-2012	Low yield of paddy due to local & ruling variety	Assessment	Varietal substitution	Paddy	Irrigated medium land	Assessment of paddy Var. Pratikshya	5	Yield- 38 q/ha	45 q/ha	11,800	16,500	May be adopted as a substitute for Lalat/ Swarna
Bolangir	Kharif-2012	Low market & nutritional value of local Maize	Assessment	Varietal substitution	Maize	Irrigated Upland	Assessment of hybrid Sweetcorn variety Sugar -75	5	56,000 cobs/ha	48,000 cobs/ha	82000	206000	May be adopted as a high value crop wrt high return & of nutritive value
Bolangir	Kharif-2012	Low yield of paddy due to incidence of leaf folder	Assessment	Integrated pest management	Paddy	Rainfed upland	Assessment of IPM strategy against leaf folder in paddy	10	Yield- 38.06 q/ha	44.12 q/ha	11,866	16,232	Application of Fipronil @ 20 kg /ha , Release of Tricho-cards & need based application of Monocrotophos @ 2ml/lit
Bolangir	Kharif-2012	Low yield of Maize due to incidence of stem borer	Assessment	Integrated pest management	Maize	Rainfed upland	Assessment of chemical method of management against Maize stem borer	8	Yield- 46,237 cobs/ha	49,700 cobs/ha	46,237	49,700	Application of granular pesticide in whorls followed by spraying of Endosulfan
Bolangir	Kharif-2012	Low yield of seed cotton due to incidence of angular leaf spot disease	Assessment	Integrated disease management	Cotton	Rainfed upland	Assessment of management strategy against angular leaf spot in cotton	5	Yield- 11.22 q/ha	13.02 q/ha	32,640	40,440	Seed treatment by 50ppm streptocycline & need based spraying of (40 ppm strepto+ COC 3gm) per lit

Bolangir	Kharif-2012	Low yield of Cotton due to zinc deficiency	Assessment	INM	Cotton	Rainfed Upland	Assessment of zinc sulphate in cotton crop	5	Yield - 10.2qtl/ha	Yield- 11.8qtl/ha	14440	17560	Application of zinc sulphate 25 kg per ha.
Bolangir	Kharif-2012	Low income from Onion due to cultivation in regular season i.e.in Rabi	Assessment	Varietal substitution	Onion	Upland	Assessment of Kharif Onion Var: N-53	4	357 q/ha	323 q/ha	1,53,710	3,00,280	Kh. Onion is more profitable than rabi due to more cost of produce
Bolangir	Rabi 2012	Low yield due to local var. of Capsicum	Assessment	Varietal substitution	Capsicum	upland	Assessment of hybrid Capsicum var. Indu	4	Yield-203 q	Yield-257 q	1,75,410	2,31,080	Hyb. Capsicum is more profitable than local & at par cost of cultivation
Bolangir	Rabi 2012	Low yield of cauliflower due to incidence of diamond back moth	Assessment	IPM	Cauliflower	Irrigated medium land	Assessment of IPM strategy against Diamond back moth in cauliflower	5	Yield- 231.4 q/ha	273.2 q/ha	1,25,120	1,54,160	Sowing mustard as trap crop with C.flower in 2:25 ratio
Bolangir	Rabi 2012	Low income/yield of pumpkin due to incidence of fruit fly	Assessment	IPM	Pumpkin	Irrigated upland	Assessment of IPM strategy against fruit fly incidence in pumpkin	5	Yield- 266.6 q/ha	287.8 q/ha	91,300	99,400	Frequent raking beneath the vines & baiting with malathion & molasses
Bolangir	Rabi-2012	Low yield of onion due to severe weed infestation in upland situation	Assessment	IWM	Onion	Irrigated upland	Assessment of Weedicide Pendimethalin @ 2.5 lit/ha at 2-3 DAT	4	326 q/ha	367 q/ha	1,30,170	1,62,565	Application of weedicide saves labour , reduces cost of cultivn. & increase yield
Bolangir	Rabi- 2012	Low yield of Tomato due to irrational dose of fertilizer ,soil degradation	Assessment	INM	Tomato	Irrigated medium land	Assessment of INM in Tomato with STB RDF , <i>Rhizobium</i> & micronutrient	4	308 q/ha	395 q/ha	1,31,630	1,71,680	Application of micro-nutrient & ST based RDF
Bolangir	Rabi- 2012	Low spread of oyster mushroom due to unavailability of paddystraw	Assessment	Income generation activities for farm women	Oyster mushroom	Rainfed	Assessment of maize stalk as alternate substrate for Oyster mushroom	5	1.8 kg/bed	1.4 kg/bed	Rs 101/bed	Rs 73/bed	maize stalk and maize stover was found a better substrate for replacement of paddystraw

Bolangir	Kharif-2012	High drudgery & low efficiency of farm women involved in maize shelling manually	Assessment	Drudgery reduction	Maize sheller	Ranfed	Assessment of maize sheller for drudgery reduction of farm women	5	Quantity of Maize shelled 17 kg/hr	Quantity of Maize shelled 27 kg/hr	-	-	Safe operation in sitting posture, less discomfort, less chance of finger injury
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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)
Bolangir	Assessment of paddy Var. Pratikshya	Tillers/hill(no.) , Length of panicle (cm)	21.1 28.4	15.6 23.6	30,000	33,000		41,800	49,500		11,800	16,500		1.39	1.5	
Bolangir	Assessment of hybrid Sweetcorn variety Sugar -75	Cob Weight, gm	250	200	30000	34000		112000	240000		82000	206000		3.73	7.05	
Bolangir	Assessment of IPM strategy against leaf folder in paddy	Infested plants, % ; caterpillars per sq mt., no.	14.6 3.12	26.6 1.90	30,000	32,300		41,866	48,532		11,866	16,232		1.39	1.50	
Bolangir	Assessment of chemical method of management against Maize stem borer	Extent of dead heart, % ; Extent of infested leaves, %	10.5 16	15.12 20.25	28,400	30,000		92,474	99,400		46,237	49,700		3.25	3.31	
Bolangir	Assessment of management strategy against angular leaf spot in cotton	Extent of vein blight, %; Extent of boll blight, %	20.4 8.6	25.6 20.4	20,000	21,500		52,640	61,940		32,640	40,440		2.63	2.88	

Bolangir	Assessment of zinc sulphate in cotton crop	Size of boll, mm	37	33	18200	20200		32640	37760		14440	17560		1.79	1.87	
Bolangir	Assessment of Kharif Onion Var: N-53	Bulb circumference,cm; Duration , months	21 5	16 4	60,490	87,320		214200	387600		153710	300280		3.5	4.4	
Bolangir	Assessment of hybrid Capsicum var. Indu	Skin thickness, Cm	0.9	1.4	68190	77320		243600	308400		175410	231080		3.6	3.9	
Bolangir	Assessment of IPM strategy against Diamond back moth in cauliflower	Extent of leaf infestation, % ; caterpillars /plant, No.	14.0 7.85	30.8 17.3	60,000	64,500		1,85,120	2,18,560		1,25,125	1,54,060		3.08	3.38	
Bolangir	Assessment of IPM strategy against fruit fly incidence in pumpkin	Extent of infection,% ; White flies /plant, No	19.5 17.08	41.5 30.2	42,000	44,500		1,33,300	1,43,900		91,300	94,400		3.18	4	
Bolangir	Assessment of Weed management in upland Onion	Weed biomass at 30DAT,gm ; Weed biomass at 90DAT,gm	120 149	32.5 50.4	65430	57635		195600	220200		130170	162565		3.17	3.23	
Bolangir	Assessment of INM in Tomato	Fruit/plant, kg; Dia. of fruit, cm	2 4.2	3.5 5.0	53170	65320		184800	237000		131630	171680		3.4	3.6	
Bolangir	Assessment of maize stalk as alternate substrate for Oyster mushroom	Yield per bed/kg; Day to first flush, days	1.4 25	1.8 21	25	25		126	98		101	73		5.04	3.92	
Bolangir	Assessment of maize sheller for drudgery reduction of farm women	Shelling capacity (kg/hr) Seed damage (%) Harvest comfort	27 3.03% Nil	17 17.15% 3-4 injury /finger	11600	13500		15900	20200		4300	6700		1.37	1.5	

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Bolangir	Development of short duration paddy var. of 100-110 days for large scale cultivation
Bolangir	Development of technology to manage fungal infection in mushroom raised in maize stalk
Bolangir	Sowing of mustard seed 15 days prior to transplanting of cauliflower is not feasible and for small farmer maintaining mustard : cauliflower in 2:25 is not possible, hence a suitable model for trap crop technology for management of DB moth may be developed
Bolangir	Spinosad though working well is too costly to use & also not available in local market

3. Achievements of Frontline Demonstrations

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

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
Bolangir	Crop	Weed management	Application of pretilachlor @ 1.2lit/ha at 3-5DAT, one hand weeding at 30DAT	Field day, Training to extension functionaries, Diagnostic visit	10	105	60
Bolangir	crop	IDM	Seed treatment with Tricyclazole @ 2.5g/kg seed, spraying of Tricyclazole@ 0.6 g/lit	Field day, Training to extension functionaries, FLD Training, publn. Of literature	7	80	100
Bolangir	Crop	Ornamental	Cultivation of marigold var.pusa basanti	Field day, extension functionaries, media coverage	20	220	15
Bolangir	Crop	INM	Application of Borax in cabbage	Field day, extension functionaries, training	40	80	35

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/Tec hnology/En treprizes	Results/ yield (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Bolangir	Integrated weed management	Paddy	Kharif-2012	Application of pretilachlor 50EC@1.2 lt/ha after 3-5 DAT	1	Lalat	46.5	37.8	23	3	-	2	-	5
Bolangir	Varietal substitution	Maize	Kharif-2012	Seed rate @ 20 kg/ha, 60x30 cm spacing, Seed treatment with Azotobacter, Soil test based RDF	1	BIO- 9544	60,000	64,000	- 6.6	-	-	10	-	10
Bolangir	IDM	Paddy	Kharif-2012	Seed treatment with Tricyclazole @2.5 gm/kg of seed and spraying of Tricyclozole @ 0.6 gm /lit when first symptom appears	1	Farmers variety	40.57	35.41	14.57	2	3	5	-	10
Bolangir	IPM	Brinjal	Kharif-2012	Removal of affected shoots, application of Diflubenzuron @ 2.5 gm/lit at initiation of egg laying, need based application of neem oil @ 5ml/lit and Triazophos @ 2ml/lit alternatively at 10-12 days interval	1	Farmers variety	269.1 q	223.8 q	20.24 %	-	4	6	-	10
Bolangir	INM	Cauliflower	Rabi-2012	Application of Molybdenum @ 2 gm/lit at 25DAT & 35 DAT	1	Snowball	340	277	22	-	-	4	-	4

Bolangir	Varietal substitution	Tomato	Rabi- 2012	Package demonstration on tomato var. Utkal Raja, spacing 60x40 cm	1	Utkal Raja	375	323	16	-	3	3	1	7
Bolangir	INM	Cabbage	Rabi-2012	Demonstration of Boron application in Cabbage i.e. application of Borax @ 2.5 gm/ lit. as foliar spray twice i.e. at 25 DAT & 35 DAT.	1	Krisna	420	362	16	-	1	5	-	6
Bolangir	IDM	Tomato	Rabi-2012	Erecting of yellow trap @ 20nos./ha, soot application of neem based application of neem oil @ 5ml/lit and Triazophos @ 2ml/lit alternatively at 10-12 days interval	1	Farmers variety	292.7	265.2	10.36	2	2	6	-	10
Bolangir	IPM	Potato	Rabi-2012	Seed treatment with Mancozeb @ 3gm/lit for 10 min need based application of Metalaxyl + Mancozeb @ 2.5 gm/lit and Carbendazim + Mancozeb @ 1 g./lit alternatively @ 12 days interval	1	Farmers variety	181.1	155.9	16.16	-	3	7	-	10
Bolangir	Varietal substitution	Papaya	Rabi 2012	Seedling treatment with bavistin @ 1.5gm/l lt of water,pit of 45*45*45cm,dis tance 1.2-1.8 mt.	0.4 ha	Tokita	Awaited			0	1	4	0	5

Bolangir	Varietal substitution	Pineapple	Kharif-2012	Intercropping of pineapple, cultivation of pineapple as high density planting at a spacing of 60X60cm	0.4	Queen	17,000	new	-	-	-	-	4	4
Bolangir	Income generating activities for farmwomen	Marigold	Rabi 2012	Package demonstration of cultivation of Marigold	0.2	Pusa Basanti	169.3	123.5		-	-		-	5
Bolangir	Income generation activities for farm women	Paddy straw mushroom	Kharif-2012	Disinfect the paddy bundles in 100 lts of water with 50 ml of formaline and 8 gms of bavistin for 12 hrs,drained absorbing excess water,prepared the bed.	100 beds	Volvarealla volvacea	1.44 kg/bed	New	100%		-	5	-	5
Bolangir	Farm Mechanization	Paddy drum Seeder	Kharif 2012	Use of 8-row drum seeder for sowing of pre-germinated paddy seeds having working capacity 1.0 ha/day with row to row distance being 20 cm	Paddy-1.0	Paddy drum Seeder	41.4	36.0	15.00	1		3	1	5
Bolangir	Farm Mechanization	Power Weeder	Kharif, 2012	Use of 6.5 hp self propelled Power weeder for weeding in cotton, having working capacity 0.13 ha/hr with working width varies from (33-70) cm.	Cotton-1.0	Power Weeder	11.5	9.9	16.16			5		5

Bolangir	Farm Mechanization	Rotavator	Kharif-2012	Width 1.45 mt, and working capacity 0.4 ha/hr takes power from PTO shaft of tractor. Good seed bed preparation with involvement of less labour, time and cost .	Paddy-1.0	Rotavator	42.3	37.8	11.90		1	4		5
Bolangir	Production of inputs at site	Vermi- composting	Rabi-2012	Vermicompost pit preparation by ring method,using better substrate,proced ure of vermicompostin g,quality and time of harvest,NPK content,packing for use	3 unit	E,foetida	1 qtl/unit/2 .5 months	Nil	100%	0	1	0	2	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
Bolangir	Paddy	Application of pretilachlor 50EC@1.2lt/ha after 3-5 DAT	Dry weed mass/sq.mt, gm ; Grains/ panicle, No.	31.39	132.19	31,500	30,000	51,150	41,580	19,650	11,580	1.62	1.38
Bolangir	Maize	Seed (Bio-9544)rate @ 20 kg/ha, 60x30 cm spacing, Seed treatment with Azotobacter, Soil test based RDF	Cob wt, gm : cob length, cm	232.2 365 21.4	211.6 280 18.1	30,000	28,000	1,20,000	99,000	90,000	71,000	4.0	3.5
Bolangir	Paddy	Seed treatment with Tricyclazole @2.5 gm/kg of seed and spraying of Tricyclozole @ 0.6 gm /lit when first symptom appears	Extent of infection, %; Panicles affected, %	19.8 11.4	33.0 16.9	32,000	30,000	44,627	38,951	12,627	8,951	1.39	1.29
Bolangir	Brinjal	Removal of affected shoots, application of Cartap hydrochloride @ 1.5 gm /lit , need based application of neem oil @ 5ml/lit and Triazophos @ 2ml/lit alternatively at 10-12 days interval	Extent of shoot infestation, % ; Fruits affected /plant , %	13.6 1.26	24.5 2.02	60,000	67,500	2,42,190	2,01,420	1,74,690	1,41,420	3.58	3.35
Bolangir	Cauliflower	Spraying of Molybdenum @ 2 gm/lit at 25 DAT & 35 DAT	Curd colour ;compactness	More white, Tight & compact:	Off white; less compact	71050	63317	2,72,000	2,21,600	200950	158283	3.8	3.5
Bolangir	Tomato	Package demonstration on Utkal Raja var. of Tomato, spacing of 60x40 cm	Fruit/plant, kg ; Fruit dia, cm	3.5 5.0	2 4.2	63,700	58,535	2,25,000	1,93,800	1,61,300	1,35,265	3.5	3.3

Bolangir	Cabbage	Demonstration of Boron application in Cabbage Twice application of Borax @ 2.5 gm/ lit. as foliar spray at 30 DAT & 50 DAT	Size of fruit, gm; Fruit cracking,%	650 4	610 13	61,320	56,470	2,73,000	2,35,300	2,11,680	1,78,830	3.5	3.2
Bolangir	Pineapple	Intercropping of pineapple in Mango orchard, cultivation at density planting at a spacing of 60X60 cm	Weight of fruit, gm	910 gm	-	250000	170000	10,40,000	7,00,000	7,90,000	5,30,000	4.2	4.1
Bolangir	Tomato	Erecting of yellow trap @ 20nos./ha, soot application of neem based application of neem oil @ 5ml/lit and Triazophos @ 2ml/lit alternatively at 10-12 days interval	Extent of infection, %; No. of white flies / plant	19.5 17.08	41.5 30.02	53,400	56,500	1,75,620	1,59,120	1,19,120	1,05,720	3.1	2.97
Bolangir	Potato	Seed treatment with Mancozeb @ 3gm/lit for 10 min need based application of Metalaxyl + Mancozeb @ 2.5 gm/lit and Carbendazim + Mancozeb @ 1 g./lit alternatively @ 12 days interval	Extent of infection, %;	16.1	26.3	59,000	54,000	1,44,880	1,24,720	85,880	70,720	2.45	2.30
Bolangir	Papaya	Seedling treatment with bavistin @ 1.5gm/l of water,pit of 45X45X45cm,distance 1.2-1.8 mt.	No. of fruits/ plant	At waist height stage	Continuing								
Bolangir	Marigold	Seedling treatment with bavistin @ 1.5 gm/lit of water,spacing 60*45 cm,apply 50 gm of DAP,Potash each twice in 30 days interval	No. of flowers/ plant	38	35	50200	48200	135440	98800	85240	50600	2.7	2.05
Bolangir	Paddy straw mush-room	Disinfect the paddy bundles in 100 lts of water with 50 ml of formaline and 8 gms of bavistin for 12 hrs,drained absorbing excess water,prepared the bed.	Yield : kg/bed	1.44	New	50/bed	New	144	-	94	-	2.88	

Bolangir	Paddy Drum Seeder	Use of 8-row drum seeder for sowing of pre-germinated paddy seeds having working capacity 1.0 ha/day with row to row distance being 20 cm	Working capacity- ha/hr Labour efficiency- MD/ha Cost of operation – Rs/ha	0.12 1.04 310	0.004 31 3910	20700	24300	51750	45000	31050	20700	2.5	1.85
Bolangir	Power Weeder	Use of 6.5 hp self propelled Power weeder for weeding in cotton, having working capacity 0.13 ha/hr with working width varies from (33-70) cm.	Working capacity- ha/hr Labour efficiency- MD/ha Cost of operation – Rs/ha	0.13 0.96 2800	0.0035 35 4200	21200	22600	36800	31680	15600	9080	1.73	1.40
Bolangir	Rotavator	Width 1.45 mt, and working capacity 0.4 ha/hr takes power from PTO shaft of tractor. Good seed bed preparation with involvement of less labour, time and cost .	Working capacity- ha/hr Labour efficiency- MD/ha Cost of operation – Rs/ha	0.4 0.3 1250	0.125 1.0 2800	21600	23150	52875	47250	31275	29725	2.44	2.04
Bolangir	Vermi-compost	Vermicompost pit preparation by ring method, using better substrate, procedure of vermicomposting, quality and time of harvest, NPK content, packing for use	Fresh vermi wt. NPK content	0.85 gm N-1.47% P-0.27%, K-0.76%	- - -	2000/yr	-	4500/yr	-	2500	-	2.25	-

Feedback of the Farmers

Name of KVK	Feedback
Bolangir	1. Utkal raja tomato is wilt tolerant ,more yielding variety but the variety can be grown only during pre rabi and rabi season &it needs staking which is cost effective
Bolangir	2. Application of Azotobacter @ 10 kg/ha along with vermin compost in brinjal there was more no.of feeder roots
	3. Swarna alaukik variety bears fruits @2-3/node. Size of fruit is approx. 12 cm as compared to local 9 cm in length. Leaf size is larger and the plant is robust.
Bolangir	4. Due to application of Nitro benzene in Water melon, there was enhancement in plant canopy & profuse flowering.
Bolangir	5. Farmwomen are getting good quality compost by utilising farm waste product.
Bolangir	6. Egg laying capacity of Banaraja breed may be increased
Bolangir	7. Yield of V.Volvacea is better than V.Diplasia
Bolangir	8. Farmers are happy as the drudgery reduction tool can strip the leaves on both sides of cane
Bolangir	9. Initial cost of drip irrigation is very high
Bolangir	10. Landless ladies are more interested about banaraja chicks and egg laying
Bolangir	11. Yield of V.volvacea is better than the variety v.diplasia & the farmwomen demanding easily availabilities of spawn due to additional income for the farm women
Bolangir	12. Farmers are verymuch satisfied with the use of drum seeder as it saves seed requirement 15 Kg per acre and at the same time reduces high labour cost & time involved due to manual transplanting
Bolangir	13. Farmers are interested about this power operated weeder as it saves cost of weeding and also pulverizing the soil but they want that it should clear the weeds close to the root zone of plant.
Bolangir	14. Farmers are satisfied with rotavator as it is able to churn and level the soil simultaneously but it requires to be driven by higher hp tractor

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bolangir	Sunflower	Field days	1	35	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries	1	10	
Bolangir	Tomato	Field days	2	80	
Bolangir		Farmers Training	2	50	
Bolangir		Media coverage			
Bolangir		Training for extension functionaries	1	10	
Bolangir	Cauliflower	Field days	1	40	
Bolangir		Farmers Training	1	25	
Bolangir		Media coverage			
Bolangir		Training for extension functionaries			
Bolangir	Brinjal	Field days	1	30	
Bolangir		Farmers Training	2	50	
Bolangir		Media coverage			
Bolangir		Training for extension functionaries	1	10	
Bolangir	Greengram	Field Day	1	50	
Bolangir		Farmers Training	1	25	
Bolangir		Media coverage			
Bolangir		Training for extension functionaries			
Bolangir	Marigold	Field days	1	40	
Bolangir		Farmers Training	1	25	
Bolangir		Media coverage			
Bolangir		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
Bolangir	FW	Group discussion, Survey	30.04.12/ Lefta	20
Bolangir	FW	Group discussion, survey	21.05.12/ Salepali	43
Bolangir	RY	Group discussion, survey	6.7.12/ Larkipali	28
Bolangir	FW	Group discussion	10.9.12/ Kareldhua	25
Bolangir	FW	Group discussion	27.11.12/ Magurbeda	30
Bolangir	IS	Meeting, Discussion	28.05.13/ DDA office	12
Bolangir	FW	Group discussion, survey	12.01.13 Tamiyan	40

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							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	15	16
Bolangir	FW	OFC	CP	Intercropping in Maize based farming system	1	1	5	-	6	-	4	-	10	-
Bolangir	FW	OFC	CP	Production technology in SRI	1	1	4	-	12	4	-	-	4	1
Bolangir	FW	OFC	CP	Scientific method of cultivation of Cotton	1	1	4	-	10		8	-	3	-
Bolangir	FW	OFC	CP	Weed management in Paddy	1	1	3	-	12	-	3	-	7	-
Bolangir	FW	OFC	CP	Crop diversification	1	1	3	-	16	-	-	-	6	
Bolangir	FW	ONC	CP	Integrated farming for rainfed area	1	2	5	-	2	-	-	-	18	-
Bolangir	FW	ONC	CP	Management practices of Arhar	1	1			6		6		13	
Bolangir	FW	ONC	CP	Integrated nutrient management in Oilseed crops	1	1	5	-	3	-	2	-	15	-
Bolangir	FW	OFC	CP	Production technology in Blackgram	1	1	7	-	6	-	-	-	12	-
Bolangir	RY	ONC	CP	Seed production technology in paddy	1	2	-	-	11	-	4	-	-	-
Bolangir	RY	ONC	CP	Crop diversification	1	1	-	-	2	10	1	1	1	-
Bolangir	FW	OFC	CP	Prodn. Technology in Greengram	1	1	7	-	4	-	3	-	11	-
Bolangir	FW	OFC	CP	Prodn. Technology in Sunflower	1	1	2	-	6	-	4	-	13	-
Bolangir	FW	OFC	SFM	Soil sampling & interpretation of result	1	1	1	-	3	-	-	-	21	-
Bolangir	FW	OFC	SFM	Role of micronutrients & application in oilseed crops	2	2	-	10	9	2	4	2	12	11
Bolangir	FW	ONC	SFM	Methods of Soil conservation techniques	1	1	2	-	3	1	6	5	4	4
Bolangir	FW	OFC	SFM	Management of acidic soil	1	1	8	-	2	-	-	-	15	-
Bolangir	FW	ONC	SFM	Production & use of organic inputs	1	1	2	3	2	1	1	3	5	8
Bolangir	RY	ONC	SFM	Commercial grade Chemical fertilizers & bio-fertilizers and its use	1	2	4	-	2	-	1	-	8	-
Bolangir	FW	ONC	HOV	Importance of Bio-fertilizer in horticultural crops	1	1								
Bolangir	FW	OFC	HOV	Method and time of fertilizer application in vegetable crops	1	1	5		5		5		10	
Bolangir	FW	ONC	HOO	Cultivation of commercial floriculture	1	1	6	-	2	-	3	-	14	-
Bolangir	FW	OFC	HOV	Seed production in vegetable crops	1	1	3	-	-	-	-	-	22	

Name of KVK	Cate-gory	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	15	16
Bolangir	FW	ONC	HOV	Cultivation aspect of pointed gourd	1	1	4	2	-	-	-	-	5	14
Bolangir	FW	ONC	HOV	Cultivation of chilli for year round production	1	1	3	-	5	-	5	-	12	
Bolangir	FW	ONC	HOV	Importance of bio-fertiliser in Hort. crops	1	1	1	-	4	-	2	-	18	-
Bolangir	FW	OFC	HOF	Intercropping of pineapple in Horticultural crops	1	1	3	-	14	-	1	-	7	-
Bolangir	FW	OFC	HOV	Cultivation of Solanaceous veg	1	1	-	-	5	-	2	-	18	-
Bolangir	FW	OFC	HOF	Role of hormone to increase production of vegetables	1	1		-	3	19	-	-	3	-
Bolangir	FW	ONC	HOF	Tissue culture banana as a profitable crop	1	1	4	-	-	1	1	1	15	3
Bolangir	FW	ONC	HOF	Offseason Cultivation of Pumpkin	1	1		-	15	1	1	1	7	-
Bolangir	FW	OFC	HOF	Intercropping system in mango orchard	1	1	7	-	-	-	-	-	-	18
Bolangir	FW	OFC	HOV	Vegetable based intercropping system	1	1	-	-	-	--	-	-	5	20
Bolangir	RY	ONC	HOV	Production of low volume and high value crops	1	1	6	-	-	-	-	-	9	-
Bolangir	RY	OFC	HOF	Post harvest technology of fruits	1	1	4	-	-	-	-	-	11	-
Bolangir	FW	OFC	HOO	Propagation of Ornamental crops	1	1	4	4	1	2	-	2	6	6
Bolangir	IS	OFC	HOF	Rejuvenation of old orchard	1	1	--	-	-	-	-	-	10	-
Bolangir	FW	OFC	WOE	Developing nutritional garden in backyard for nutritional security	1	1	-		-	4	-	19	-	2
Bolangir	FW	OFC	WOE	Preparation of value added products from mango	1	1	-	6	-	3	-	1	-	15
Bolangir	FW	ONC	WOE	Paddy straw mushroom production throughout the year	2	2	-	-	-	2	-	30	-	18
Bolangir	FW	OFC	WOE	Preparation of low cost diet for farm family	1	1	-	-	-	-	-	5	-	20
Bolangir	FW	OFC	WOE	Home hygiene & child care	1	1	-	12	-	-	-	1	-	12
Bolangir	FW	OFC	LPM	Clean milk production	1	1	10	-	4	-	6	-	4	-
Bolangir	FW	OFC	LPM	Management of livestock during rainy season	1	1	-		6		6		13	
Bolangir	FW	OFC	WOE	Storage loss minimization techniques for farm family	1	1	-		-	7	-	3	-	15
Bolangir	RY	OFC	LPM	Production technology of feed & fodder	1	1	2	-	6	-	2	-	5	-
	RY	OFC	LPM	Scientific method of poultry rearing & management	1	1	-	-	8	-	3	2	2	-
Bolangir	FW	OFC	WOE	Formation of SHG & entrepreneurship development among themselves	1	1	-		-	-	-	-	-	-

Name of KVK	Cate-gory	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	15	16
Bolangir	RY	ONC	WOE	Preparation of value added products from tomato	1	3	-	6	-	1	-	1	-	7
Bolangir	RY	ONC	OTH	Dhingri mushroom cultivation	1	3		4	-	-	-	-	-	11
Bolangir	RY	OFC	OTH	Lac cultivation	1	2								
Bolangir	RY	ONC	WOE	Drudgery reduction implements used for rural youth	1	1	-	5	-	3	-	-	-	7
Bolangir	RY	OFC	WOE	Gender mainstreaming through SHG	1	1	-	4	-	4	-	2	-	15
Bolangir	IS	OFC	WOE	Household food security	1	1	-	1	-	2	-	3	-	4
Bolangir	FW	ONC	AEG	Use of Drudgery reduction implements	1	1	-	-	16	9	-	-	-	-
Bolangir	FW	ONC	AEG	Repair & Maintenance of Tractor & Power Tiller	1	1	2		1		1		21	
Bolangir	FW	ONC	AEG	Use of Farm Implements during intercultural operation in Cotton	1	1			2		16		7	
Bolangir	FW	OFC	AEG	Role of Mulching and its utility in Vegetable crops	1	1	-	-	2	-	5	-	18	-
Bolangir	FW	ONC	AEG	Water Management in Groundnut Crop	1	1				1	5	1	13	5
Bolangir	FW	OFC	AEG	Installation and maintenance of sprinkler irrigation in Solanaceous crops	1	1	5	-	3	-	2	-	15	-
Bolangir	FW	ONC	AEG	Technology of Roof top water harvesting	1	1	3	-	8	-	6	-	8	-
Bolangir	FW	OFC	AEG	Use & operation of Axial Flow Thresher	1	1	4		3		1		17	
Bolangir	FW	OFC	AEG	Construction & maintenance of low cost storage structure	1	1	1	-	1	1	4	3	11	4
Bolangir	RY	ONC	AEG	Construction & management of water harvesting structure in rainfed areas	1	2	1	-	1	-	-	-	13	-
Bolangir	RY	ONC	AEG	Production of small tools for different crops	1	2	-	-	-	-	1	-	14	-
Bolangir	RY	ONC	AEG	Use of Green house & poly house for high value crop production	1	3	-	-	6	-	-	-	9	-
Bolangir	IS	OFC	AEG	Micro-irrigation system in Agriculture- Utility, maintenance & efficiency										
Bolangir	FW	OFC	CBD	Formation & management of SHG	1	1			6	19				
Bolangir	FW	ONC	CBD	Group approach to Rural Development	1	2	-		14				11	
Bolangir	FW	ONC	CBD	Modern ICT tools for effective transfer of technology	1	1		-	2	-	4	-	19	-
	FW	OFC	CBD	Alternate livelihood option for resource poor families	1	1			14	10			1	

Name of KVK	Cate-gory	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	15	16
Bolangir	FW	ONC	CBD	Formation & management of farmers club	1	2	-	-	5	--	-	-	20	-
Bolangir	FW	ONC	CBD	Entrepreneurship development for farmers	1	1								
Bolangir	FW	OFC	CBD	Farming system approach	1	1	3	-	5	-	3	-	14	-
Bolangir	FW	OFC	CBD	Management skill of the farmers in disaster management	1	1	4		8		2		11	
Bolangir	FW	ONC	CBD	Leadership development for community work	1	1								
Bolangir	FW	OFC	CBD	Markenting of agricultural products	1	1								
Bolangir	RY	ONC	CBD	Use of ITKs in agriculture	1	1	2		4				9	
Bolangir	RY	OFC	OTH	Use of ITK in pulse	1	1								
Bolangir	RY	OFC	CBD	Production of Vermicompost & its management	1	1	4	-	5	-	-	-	6	-
Bolangir	IS	ONC	CBD	Market-led extension	1	1	2	-	3	-	1	-	4	-
Bolangir	IS	ONC	CBD	SWOT analysis	1	1	3	-	2	-	-	-	5	-
Bolangir	IS	OFC	CBD	PRA methodology	1	1	3	--	3	-	-	-	4	-
Bolangir	FW	OFC	PLP	Plant protection measures during nursery raising in paddy	1	1			9		7		9	
Bolangir	FW	OFC	PLP	Non-chemical method of pest management in Pulse crops	1	1	5		6		8		6	
Bolangir	FW	OFC	PLP	Integrated disease management in cotton	1	1	6	-	8	1	2	1	6	1
Bolangir	FW	OFC	PLP	Integrated pest management in paddy	1	1			10		6		9	
Bolangir	FW	OFC	PLP	Integrated pest management in solanaceous vegetable	1	2	8		8		4		5	
Bolangir	FW	OFC	PLP	Management of sugarcane borer	1	1	7	-	6	-	6	-	6	
Bolangir	FW	OFC	PLP	Insect pest management in Maize	2	2	5	-	11	-	-	-	9	-
Bolangir	FW	OFC	PLP	Biological control of Insect Pest in vegetable	1	1	5	-	7	-	8	-	5	-
Bolangir	FW	ONC	PLP	Stored grain insect pest management	1	2	4		8		3		10	
Bolangir	FW	ONC	PLP	Rodent management in field crops	1	1	-	-	9	-	8	-	8	-
Bolangir	FW	ONC	PLP	IPM in cruciferous vegetables	1	2	-	-	2	5	2	4	6	6
Bolangir	FW	ONC	PLP	Manipulation of cultural practices for pest management	1	1	-	-	3	4	10	7	1	-
Bolangir	RY	ONC	PLP	Preparation & application of botanical pesticides	1	3	7	-	4	-	4	-	-	-
Bolangir	RY	ONC	PLP	Plant protection chemicals for effective pest management	1	2	-	-	5	-	2	-	8	-

Name of KVK	Cate-gory	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	15	16
Bolangir	IS	OFC	PLP	Latest plant protection chemicals & their effectiveness	1	1	-	-	4	-	2	-	4	-
Bolangir	IS	OFC	PLP	Integrated pest management in pulse crops	1	1	-	1	-	2	-	2	-	5

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Bolangir	Preparation of value added product from mushroom, seasonal fruit & vegetable	Enterprise	Value addition	5	-	1	-	4	-	5
Bolangir	Seed Production technique in paddy	Crop	Seed production	2	11		4	-	-	-
Bolangir	Vermicomposting	Enterprise	Prod. Of inputs	2	4	-	5	-	6	-
Bolangir	Crop Diversification	Crop	Crop diversification	1	2	10	1	1	1	-
Bolangir	Prod. of feed & Fodder	Crop	Fodder cultivation	1	4	-	-	-	11	-
Bolangir	Management of water harvesting structure	Enterprise	Soil/water conservation	3	1	-	-	-	14	-
Bolangir	Use of grrn house/poluhouse for high value crop production	Enterprise	Protected cultivation	3	6	-	-	-	9	-
Bolangir	PP chemicals for effective pest management	Crop	IPM	2	5	-	2	-	8	-

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	
Bolangir	Preparation of value added product from mushroom, seasonal fruit & vegetable	Domestic	5	10	5
Bolangir	Seed Production technique in paddy	Group	10	30	40
Bolangir	Use of grrn house/poluhouse for high value crop production	Single	12	12	11
Bolangir	Prod. of feed & Fodder	Single	8	12	7
Bolangir	Vermicomposting	Single	27	18	25

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Bolangir	Farmer Scientist interaction	CP	Production technology	FW /RY	4	2	30	-	12	-	8	-	ATMA, Bolangir	40,000

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)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Bolangir	NOT	CONDUCTED												

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	
Bolangir	Intercropping in Maize based farming system	25	2	6	270	350	1,35,000	1,75,000	20, 15, 33
Bolangir	Production technology in SRI	25	3	8	289	383	2,89,000	3,83,000	% change in Income -33%
Bolangir	Scientific method of cultivation of Cotton	25	5	8	280	370	1,40,000	1,85,000	% change in Income -32%
Bolangir	Weed management in Paddy	25	1	7	0.7	1.2	70,000	1,20,000	% change in Income -71%
Bolangir	Crop diversification	25	4	9	280	370	1,40,000	1,85,000	% change in Income -32%
Bolangir	Integrated farming for rainfed area	25	2	8	203	276	81,200	1,10,400	% change in Income -36%
Bolangir	Management practices of Arhar	25	4	8	121	140	96,800	1,12,000	% change in Income -16%
Bolangir	Soil sampling & interpretation of result	25	2	6	60	110	-	-	-
Bolangir	Role of micronutrients & application in oilseed crops	25	4	9	234	301	1,87,200	2,40,800	% change in Income -29%

Bolangir	Methods of Soil conservation techniques	25	3	8	160	240	1,44,000	2,16,000	% change in Income -50%
Bolangir	Management of acidic soil	15	5	8	109	195	65,400	1,17,000	% change in Income -44%
Bolangir	Production & use of organic inputs	25	1	7	145	236	2,17,500	3,54,000	% change in Income -63%
Bolangir	Method and time of fertilizer application in vegetable crops	25	4	9	85	165	1,70,000	3,30,000	% change in Income -82%
Bolangir	Cultivation of commercial floriculture	15	2	8	157	242	62,800	98,000	% change in Income -56%
Bolangir	Seed production in vegetable crops	25	4	8	156	239	1,40,400	2,15,100	% change in Income -53%
Bolangir	Cultivation aspect of pointed gourd	25	3	8	180	271	72,000	1,08,400	% change in Income -51%
Bolangir	Cultivation of chilli for year round production	25	5	8	135	197	81,000	1,37,900	% change in Income -70%
Bolangir	Importance of bio-fertiliser in Hort. crops	25	1	7	275	369	1,92,500	2,58,300	% change in Income -34%
Bolangir	Intercropping of pineapple in Horticultural crops	25	4	9	-	-	8210	14672	25 nos. of trainee adopted,66.67,78.7
Bolangir	Cultivation of Solanaceous veg	25	2	8	-	-	-	-	15 nos. of trainee adopted, 90%
Bolangir	Offseason Cultivation of Pumpkin	25	4	8	29	34	6105	12505	19 nos. of trainee adopted, 166.67, 17.24
Bolangir	Intercropping system in mango orchard	25	1	10	28	36	7190	13800	6 nos. of trainee adopted, 90, 28.5,91.9
Bolangir	Vegetable based intercropping system	25	4	10	11.2	13.1	16100	20500	18 nos. of trainee adopted, 150,16.96,27.32
Bolangir	Production of low volume and high value crops	15	2	8	-	-	-	-	9 nos. of trainee adopted,300
Bolangir	Post harvest technology of fruits	25	4	9	12.8	16.7	20200	28350	18 nos. of trainee adopted, 125, 30.46, 40.34
Bolangir	Propagation of Ornamental crops	25	2	9	490	650	140100	190000	5 nos. of trainee adopted, 350, 32.65, 35.61
Bolangir	Developing nutritional garden in backyard for nutritional security	25	6	10	-	-	-	1745/ha	11 nos. of trainee adopted, 66.67
Bolangir	Preparation of value added products from mango	15	3	8	33	42	8250	15600	2 nos. of trainee adopted, 166.67, 27.27, 89
Bolangir	Paddy straw mushroom production throughout the year	15	6	10	-	-	-	15000/month	1 no of trainee adopted, 66.67
Bolangir	Preparation of low cost diet for farm family	25	5	10	-	-	7250	15210	18 nos. of trainee adopted, 100, 109

Bolangir	Home hygiene & child care	20	4	9	-	-	-	-	20 nos. of trainees adopted, 125
Bolangir	Formation of SHG & entrepreneurship development among themselves	25	1	6	220	269	4400	5380	5,15,500%
Bolangir	Preparation of value added products from tomato	25	2	8	-	-	1000	3000	16 villages,20 nos. of trainees adopted,300
Bolangir	Dhingri mushroom cultivation	50	2	8	-	1.5 kg/bed		70/bed	30 nos. of trainee adopted
Bolangir	Drudgery reduction implements used for rural youth	25	3	7	1 kg/bird	3-3.5 kg/bird	180	420	15 nos. of trainee adopted
Bolangir	Gender mainstreaming through SHG	25	3	7	25 kg/buck	80 kg/buck	5000	16000	10 nos. of trainee adopted
Bolangir	Household food security	25	2	8	20 kg/plant	40 kg/plant	38000	64800	15 nos. of trainee adopted
Bolangir	Use of Drudgery reduction implements	25	4	8	-	-	-	-	10 nos. of trainee adopted
Bolangir	Repair & Maintenance of Tractor & Power Tiller	25	0	3	-	1 kg/bed	-	90/bed	7 nos. of trainee adopted
Bolangir	Use of Farm Implements during intercultural operation in Cotton	50	2	7	-	2 kg/bed	-	90/bed	20 nos. of trainee adopted
Bolangir	Role of Mulching and its utility in Vegetable crops	25	-	4	-	0.8 q/tank	-	2400/tank	12 nos. of trainee adopted
Bolangir	Water Management in Groundnut Crop	15	3	8	20 q/ha	80 q/ha	9600	37200	10 nos. of trainee adopted
Bolangir	Installation and maintenance of sprinkler irrigation in Solanaceous crops	25	3	8	-	-	-	-	% change in Income -32%
Bolangir	Technology of Roof top water harvesting	25	5	8	-	-	-	-	% change in Income -71%
Bolangir	Use & operation of Axial Flow Thresher	25	1	7	-	-	--	-	% change in Income -32%
Bolangir	Entrepreneurship development for farmers	25	4	9	-	-	-	-	% change in Income -36%
Bolangir	Farming system approach		2	8	-	-	-	-	% change in Income -16%
Bolangir	Management skill of the farmers in disaster management	25	4	8	-	-	-	-	10 nos. of trainee adopted
Bolangir	Leadership development for community work	15	5	8	-	-	-	-	7 nos. of trainee adopted

Bolangir	Markenting of agricultural products	25	1	7	-	-	-	-	20 nos. of trainee adopted
Bolangir	Use of ITKs in agriculture	15	4	9	-	-	-	-	12 nos. of trainee adopted
Bolangir	Integrated disease management in cotton	25	2	6	9	11	50000	62000	54, 30, 22.2% change in prodn.
Bolangir	Integrated pest management in paddy	25	2	7	28	34	18000	25000	84, 60, 21.4 % change in prodn.
Bolangir	Integrated pest management in solanaceous vegetable	25	3	8	240	285	120000	160000	10, 50, 18.3% change in prodn.
Bolangir	Management of sugarcane borer	25	2	7	450	560	150000	180000	30, 40, 24.4 % change in prodn.
Bolangir	Insect pest management in Maize	25	4	8	55000 cob	60000 cob	60000	85000	24, 60, 9.0 % change in prodn.
Bolangir	Biological control of Insect Pest in vegetable	25	1	6	240	270	-	-	05, 12, 12.5 % change in prodn.
Bolangir	Stored grain insect pest management	25	2	6	-	-	-	-	-, 50, 22.2% change in prodn.
Bolangir	Rodent management in field crops	25	2	7	21	25	40000	55000	20, 60, 19.04 % change in prodn.
Bolangir	IPM in cruciferous vegetables	25	3	7	265	290	140000	180000	18, 45, 9.4 % change in prodn.
Bolangir	Manipulation of cultural practices for pest management	25	2	8	-	-	-	-	90, 200,
Bolangir	Preparation & application of botanical pesticides	15	1	7	230	245	-	-	24, 30, 6.5 % change in prodn.
Bolangir	Plant protection chemicals for effective pest management	15	4	8	280	320	-	-	110, 240, 14.28 % change in prodn.

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			
Bolangir	Field Day	23	9	66	19	211	59	12	2	On the principle of Seeing is Believing	1-Potato,2- Sunflower, 3-Tomato, 4-Cauliflower,5-Greengram.6-Pumpkin,7-Brinjal,8-Marigold	Growth Flowering Harvesting
Bolangir	Kisan Mela	2	2	49	21	175	55	12	3	Farmer-scientist interaction & disply , awareness of technology	Paddy, Pulses, Value addition, Mushroom, Poultry etc	-
Bolangir	Kisan Ghosthi	5	6	34	21	98	42	8	3	Strengthening and capacity building of Farmers groups	-	-
Bolangir	Exhibition	2	4	40	25	150	35	40	26	Demonstration of technological models	Demonstration of technological models	-
Bolangir	Film Show	32	5	24	16	59	15	1	-	Information dissemination	1- IPM in Pulses, 2- SRI method of cultivation3- Pesticide poisoning 4- Cotton cultivation	Sowing to harvesting
Bolangir	Method Demonstrations	15	22	40	10	55	23	-	-	Skill & Knowledge developement	Seed treatment, spray formulation, Mushroom, Line sowing	Sowing to harvesting
Bolangir	Farmers Seminar	4	2	9	-	21	-	-	-	Capacity building	SRI, Cotton Cultivation	-
Bolangir	Workshop	3	0									
Bolangir	Group meetings	10	1	4	-	11	-	-	-	Identification, prioritization of problems and problem analysis		
Bolangir	Lectures delivered as resource persons	As per need	28	450	100	780	220	42	16	Information dissemination		
Bolangir	Newspaper coverage	As per need	03	MA SS						Popularization of new technologies and highlightining the activities of KVK		
Bolangir	Radio talks	As per need	06	MA SS						Information dissemination and popularization of new technologies	IPM Paddy, Seed storage, management of swarming caterpillar,Avocation for fearm women, Agl. Implements, Cotton cultivation	
Bolangir	TV talks	As per need	1	MA SS						Information dissemination and popularization of new technologies	Pest mgt. in Potato	
Bolangir	Popular articles	10	2	MA SS								
Bolangir	Extension Literature	10	8	MA SS	-	-	-	-	-	Knowledge development of farmers	Case study,Herbal garden, Rainfed Agl.,Weed mgt. in Vegetable, Papaya cultivation, sweet corn, Fishery	-

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			
Bolangir	Farm advisory Services	-										
Bolangir	Scientific visit to farmers field	35	96	225	140	650	285	33	6	Identification, prioritization of problems and problem analysis	Site selection for conducting OFT & FLD, pest and disease identification on Application of herbicide, Fruit and shoot borer in heliothis, bollworm management in cotton.	
Bolangir	Farmers visit to KVK	800	700	190	10	405	95	-	-	Information on new technologies, problem identification		
Bolangir	Diagnostic visits	30	68	110	20	290	70	16	4	Identification, prioritization of problems and problem analysis	Plant protection problems, Prodn. Technology, PHT, Value addition	
Bolangir	Exposure visits	1	-									
Bolangir	Ex-trainees Sammelan	As per need	1	7	-	18	2	-	-	Sharing of experiences among peer groups and information		
Bolangir	Soil health Camp	6	-									
Bolangir	Animal Health Camp	2	1							Prophylactic prevention of disease outbreak	130 large animals	
Bolangir	Agri mobile clinic	2	-									
Bolangir	Soil test campaigns	0	2	16	-	34	-	-	-	Awareness regarding soil health	Soil sampling	
Bolangir	Farm Science Club conveners meet	2	-									
Bolangir	Self Help Group conveners meetings	-	1		34		16					
Bolangir	Mahila Mandals conveners meetings	-										
Bolangir	Celebration of important days	2	2	9	10	16	40	5	2	Importance of occasssion to introspect new thought, empowerment	Womens Day, Akhi Tritiya	

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
Bolangir	April-June 2012	1 st quarter	500	475
Bolangir	July-Sept-2012	2 nd quarter	500	475
Bolangir	October-December-2012	3 rd quarter	500	475
Bolangir	Jan. 13 – March 13	4 th quarter	500	475

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Bolangir	Folder	Case study of a successful farmer	Ashis Das, SMS(PP), K.K. Behera, SMS(Extn.)	500
Bolangir	Folder	Herbal garden & its utility	Smt Sasmita Purohit, SMS(H.Sc)	500
Bolangir	Folder	Rainfed Agriculture	Smt Sasmita Purohit, SMS(H.Sc) Mrs. Dipsika Paramjita, SMS(Ag. Engg.)	500
Bolangir	Folder	Weed mgt. in Vegetable,	Ashis Das, SMS(PP),	500
Bolangir	Folder	Papaya cultivation,	Smt Swagatika Srichandan, SMS(Hort)	500
Bolangir	Folder	Cultivation of Sweet Corn	Smt Sasmita Purohit, SMS(H.Sc)	500
Bolangir	Folder	Vermicomposting	Smt Sasmita Purohit, SMS(H.Sc)	500
Bolangir	Folder	Fishery Development & Govt. Schemes	Dr. S.K.Patra, P.C.	500

7.3 Details of Electronic Media Produced

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type hear SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.) (appro)	Provided to No. of Farmers
Bolangir	Cereals	Paddy	Lalat	SD	128	qtl	2,30,400	To be supplied to OSSC
Bolangir	Cereals	Paddy	Pooja	SD	142	qtl	2,55,600	To be supplied to OSSC

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	
Bolangir	Vegetable	Papaya	July 2012	October 2012	-	Tokito	Seedlings	280	6,604/-	17,400/-	Sold to farmers
Bolangir	Vegetable	Onion	Sept. 2012	Nov. 2012	-	AFDR	Seedlings	15000	(Total)	(Total)	Sold to farmers
Bolangir	Vegetable	Tomato	Sept. 2012	Nov. 2012	-	Utkal Raja	Seedlings	15000			Sold to farmers
Bolangir	Vegetable	Capsicum	October 2012	Dec. 2012	-	Indu	Seedlings	14000			Sold to farmers

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	
Bolangir	BIOAGENTS (Vermicompost)	7.4 kg culture /400 kg compost	10,164	-	Under Progress
Bolangir	BIOFERTILIZERS				
Bolangir	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	
Bolangir	Cattle						
Bolangir	Buffalo						
Bolangir	Sheep and Goat						
Bolangir	Poultry	Banaraja	Chicks	800 no.	4,186	-	Under Progress
Bolangir	Fisheries						
Bolangir	Others (Specify) Mushroom	Paddy straw	Mushroom Spawn	200 bottles	1,800	2,400	

9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : NOT AVAILABLE

Year of establishment : -

9.1 Details of soil & water samples analyzed so far :(during 2012-13)

KVK Name	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Bolangir	Soil sample analysis	52	52	6	The samples have been tested in OUAT & dist. headquarter

10. Rainwater Harvesting : NOT AVAILABLE

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) : NOT AVAILABLE

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)
-	-	-		-	-	-	-

12. Utilization of Staff Quarters facilities : NOT AVAILABLE

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
Bolangir	17-12-2012	35	<ol style="list-style-type: none"> 1. Promotion of drip irrigation in Vegetables 2. Promotion of Pusa Narangi var. of Marigold 3. Demonstration on cultivation of Pomogranate, Pineapple 4. Application of Nitrobenzene & weedicide in Watermelon 5. Trial on SRI at 20x20 cm spacing 6. Development of suitable Integrated Farming System 7. Promotion of mulching in vegetables 8. Demonstration of Hybrid var. after on farm testing 9. Demonstration on farm mechanisation 10. Promotion of yearling production in stead of fingerling/fryling 11. Promotion on low cost storage structure

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Bolangir	300	900	32	Crop production, Livestock, Awareness, Marketing, Weather.

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
Bolangir	ATMA	Central through District agency	20,000	Farmer-Scientist interaction	Cotton, Pulses	50 farmers interacted with Scientists of KVK, RRTTS & officials of Line deptt.
Bolangir	ATMA	Central through District agency	20,000	BGREI monitoring	Bolangir, Gudvela, Patnagarh, Khaprakhol, Agalpur & Belpara	5000 ha. of Paddy in 6 blocks monitored
Bolangir	ATMA	Central through District agency	7,40,000	Assessment of technology	Farmers field	To be conducted from Kharif 2013
Bolangir	MNREGA					
Bolangir	NHM					
Bolangir	RKVY					
Bolangir	DRDA					
Bolangir	Zila Panchyat					
Bolangir	Seed village					
Bolangir	NAIP					
Bolangir	Climate Change					
Bolangir	Others					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.) as on 01.04.2012	Closing balance (Rs.) as on 31.03.2013	Current status (Rs.)
Bolangir	31149194881	6,37,782	99,278*	Rs. 3,00,000 deposited at DEE, OUAT

* Including bank interest of Rs 29,258

17. Awards & Recognitions : NIL

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
-	-	-	-	-

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

Success Story –I **Successful Farmer**

Name of the KVK : KVK-Bolangir, OUAT, Bhubaneswar, Orissa

TITLE : **Vegetable grower through drip irrigation**

Introduction : Mr. Pradymna Teji, S/o of Sri Sanyasi Teji, an Young man aged 28 of village Magurbeda in Loisingha Block of Bolangir District was growing vegetables like Potato, brinjal, Cucurbits etc. in 2 ha land. Besides he had a mango orchard of 1 ha which hardly yields Rs 25,000/ annum due to poor management. In total his average profit was in range of Rs 80,000/- p.a. from 3 ha land.

KVK intervention : At this juncture KVK, Bolangir intervened in the year 2011 and imparted Awareness, training, demonstration, diagnostic visits & field monitoring with linking him to NHM operating in the district on production of fruits & vegetables

Output : Teji redesigned his Orchard with intercropping of vegetables in the inter-rows , took commercial floriculture & grew cucurbits in trellis system.

Outcome : His economic condition improved as : with a cost of cultivation of Rs 1,32,000 in cultivation of fruits, vegetables Flowers(Marigold & Gladiolus) he got a net income of Rs .3,23,000 p.a.

Impact : Owing to his success within 1.5-2 yrs of KVK intervention the Dist. Agl Deptt. acknowledged his labour & during last Kharif he got order to supply 22 lakhs marigold seedling worth Rs 7 lakhs from Dy. Dir. Agril. for planting with Cotton as trap crop.



Success Story –II

Successful Farmer

Name of the KVK : KVK-Bolangir, OUAT, Bhubaneswar, Orissa

TITLE : Vegetable farming (Okra)

Introduction : Sri. Narahari Rout is a graduate farmer of Larkipalli village in Bolangir District. After completion of his graduation he started farming with his parental land of 2.4 ha adjacent to Bolangir Municipal area. Till the year 2009 he was continuing rice-pulse based farming system with less income of Rs. 60,000/- per annum.



KVK intervention : After the inception of KVK, Bolangir, scientists of KVK constantly guided him and insisted him to go for vegetable farming (Okra Var : Mahyco 10) In the year 2011 and imparted training to him on Okra cultivation and demonstration. He cultivated 0.2 ha of Okra in Kharif- 2011

Output : He then went for cultivation of 1ha Okra during rabi season 2011. He harvested 108 q of fruit /ha. Which was double than the earlier varieties.



Outcome : Sri Rout harvested about 108q/ha and earned Rs. 1,29,600 /- a net profit of Rs.81,135/- per ha was obtained against expenditure of Rs. 48,465

19. Details of KVK Agro-technological Park : NOT ESTABLISHED

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

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bolangir	Prof.(Dr.) D.P.Ray, V.C., OUAT	22.04.12	Monitoring of KVK work & progress of infrastructure developement
Bolangir	Prof.(Dr.) S.S. Nanda, DEE, OUAT	24.04.12	Monitoring of KVK activities
Bolangir	Dr. Prem Chand, Scientist, ZPD	08.09.12	Monitoring of KVK activities
Bolangir	Prof(Dr).R.K.Raj, Joint Director, Extension Education, OUAT	17.12.12	To attend SAC meeting as Chairman
Bolangir	Dr. SRK Singh ,Scientist, ZPD Dr. Dwivedi, Scientist, ZPD	07.01.13	On the way back to Jabalpur via Nuapara; Monitored KVK activities
Bolangir	Prof.(Dr.) S.S. Nanda, DEE, OUAT	13.01.13	Monitoring of KVK activities

21. Status of KVK Website: AVAILABLE (kvkbolangirzpdvii.org)

22. E-CONNECTIVITY : NOT AVAILABLE

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			
-	-	-	-	-	-	-	-

23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop /livestock technology
Bolangir	Gosthies	1	25	SHG meet
Bolangir	Lectures organized	3	100	Onion cultivation, Judicious use of PP chemicals, Prospects of aquaculture
Bolangir	Exhibition	1	100	Value addition & Post harvest technology
Bolangir	Film show			
Bolangir	Fair			
Bolangir	Farm Visit	1	25	Soil test campaign
Bolangir	Diagnostic Practical's			
Bolangir	Distribution of Literature (No.)			
Bolangir	Distribution of Seed (q)			
Bolangir	Distribution of Planting materials (No.)			
Bolangir	Bio Product distribution (Kg)			
Bolangir	Bio Fertilizers (q)			
Bolangir	Distribution of fingerlings (No)			
Bolangir	Distribution of Livestock specimen (No.)	1	130 large animals	Animal health camp
Bolangir	Total number of farmers visited the technology week			

24. INTERVENTIONS ON DROUGHT MITIGATION (Not applicable in 2012-13)

a) Introduction of alternate crops/varieties

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

b)Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
BOLANGIR	Oilseeds		
	Pulses		
	Cereals		
	Vegetable crops		
	Tuber crops		
	Fruits		
	Spices		
	Cotton		
	Total		

c)Farmers-scientists interaction on livestock management

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

d)Animal health camps organised

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

e)Seed distribution in drought hit states

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

f)Seedlings and Saplings distributed

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

g)Bio-control Agents

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

h)Bio-Fertilizer

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

(i) Vermes Produced

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

(j) Large scale adoption of resource conservation technologies

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

(k) 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
Bolangir												

25. **Status of KVK Website:** Already having website

If available, please provide the address of website: **kvkbolangirzpdvii.org**

26. **Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy)**

Attached in separate folder as photographs(JPEG format)