

**ANNUAL PROGRESS REPORT OF
KVK, BHADRAK, ODISHA
2011-2012
(APRIL, 2011-MARCH, 2012)**

**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751 003
ORISSA**

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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**
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- 12. Gray colour cells in summary table need not to be filled.**

REPORTING PERIOD – April 2011 to March, 2012**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	
Bhadrak	OFTs	21	190	18	155	
Bhadrak	FLDs – Oilseeds (activity in ha)	10	30	10	30	
Bhadrak	FLDs – Pulses (activity in ha)	10	30	5	15	
Bhadrak	FLDs – Cotton (activity in ha)					
Bhadrak	FLDs – Other than Oilseed and pulse crops(activity in ha)- 21nos	21	180	18	163	
Bhadrak	FLDs – Other than Crops (activity in no. of - 5nosUnit/Enterprise)	-	-	-	-	
Bhadrak	Training-Farmers and farm women	57	1600	48	1343	
Bhadrak	Training-Rural youths	16	350	14	309	
Bhadrak	Training- Extension functionaries	10	150	6	100	
Bhadrak	Extension Activities	1100	6200	1140	7370	
Bhadrak	Seed Production (Number of activity as seeds in quintal)	195	300	195	324	
Bhadrak	Planting material ((Number of activity as quantity of planting material in quintal)	30000	250	30450	275	
Bhadrak	Seedling Production (Number of activity as number of seedlings in numbers)					
Bhadrak	Sapling Production (Number of activity as number of sapling in numbers)					
Bhadrak	Other Bio- products					
Bhadrak	Live stock products-Stunted fingerlings	45000	70	48000	72	
Bhadrak	SAC Meeting (Date & no. of core/official members	1	25	1	25	
Bhadrak	Newsletters (no.)	2	1000	2	1000	
Bhadrak	Publication (Research papers, popular article)	24	6000	32	7850	
Bhadrak	Convergence programmes / Sponsored programmes	1	1000	1	1000	
Bhadrak	KVK-ATMA Linkage programme (Number of activities)	2	500	2	500	
Bhadrak	Outreach of KVK in the District (No. of blocks, no. of villages)	3	170	3	196	
Bhadrak	Soil sample tested	1000	500	1010	500	
Bhadrak	Water sample tested	-	-	-	-	
Bhadrak	KMA (No. of messages & beneficiaries)	72	12000	73	13476	

1. GENERAL INFORMATION

1.1. Staff Position (31-03-2012)

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)
Bhadrak	Programme Coordinator	Dr. M.R. Sahoo	Horticulture	Ph.D. (Horticulture.)	Horticulture	15600-39100 & GP-6000	19,050	16.08.10	Permanent	Others
Bhadrak	Subject Matter Specialist1	Sri A.P. Nayak	Fishery Science	M.F Sc	Aquaculture	15600-39100 & GP-6000	19,810	24.03.05	Permanent	OBC
Bhadrak	Subject Matter Specialist2	Sri M.K. Jena	Soil Science	M. Sc (Soil Sc.)	Soil Science	15600-39100 & GP-6000	19,050	13.02.06	Permanent	Others
Bhadrak	Subject Matter Specialist3	Sri U.S.Nayak	Plant Protection	M. Sc (Entomology)	Entomology	15600-39100 & GP-6000	19,810	20.06.11	Permanent	Others
Bhadrak	Subject Matter Specialist4	Sri P.K.Mandal	Agronomy	M. Sc (Agronomy)	Agronomy	8,000-275-13,500	5,556	14.12.09	Permanent	Others
Bhadrak	Subject Matter Specialist5	Miss L. Pradhan	Home Science	M.Sc (Home Sc)	Home Science	15600-39100 & GP-6000	16,920	19.10.09	Permanent	Others
Bhadrak	Subject Matter Specialist6	Vacant	-	-	-	-	-	-	-	-
Bhadrak	Programme Assistant	Vacant	-	-	-	-	-	-	-	-
Bhadrak	Farm Manager	Sri P.K. Choudhury	Bio-technology	M.Sc (Biotechnology)	Bio-technology	9300-34,800 & GP-4200	16,960	04.07.05	Permanent	Others
Bhadrak	Computer Programmer	Sri J.K. Biswal	Computer Application	M.C.A.	Computer Application	9300-34,800 & GP-4200	11,940	19.06.08	Permanent	Others
Bhadrak	Accountant / superintendent	Sri S. Mandal	-	-	-	9300-34,800 & GP-4600	15,810	01.08.09	Permanent	SC
Bhadrak	Stenographer	Smt R. Singh	-	B.A.	-	5200-20200 & GP-2400	6430	11.10.06	Contractual	Others
Bhadrak	Driver	Sri S.K.Nayak	-	-	-	5200-20,200 & GP-1900	5,640	29.12.09	Contractual	Others
Bhadrak	Driver	Sri S.Sahoo	-	-	-	5200-20,200 & GP-1900	6,110	27.01.11	Contractual	Others
Bhadrak	Supporting staff	Sri N.Mahalik	-	-	-	4440-7440 & GP-1300	4800	28.07.08	Contractual	SC
Bhadrak	Supporting staff	Sri P.K. Dalai	-	-	-	4440-7440 & GP-1300	4800	05.08.08	Contractual	OBC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–**A. Block Wise Cultivable area of Bhadrak District(in terms of ha.)**

KVK Name	Name of the Block	No. of Villages	Geographical areas	Cultivable Area			
				High	Medium	Low	Total
Bhadrak	Bhadrak	170	35424	2617	14825	9158	26600
Bhadrak	Tihidi	159	37812	1061	8060	13829	22950
Bhadrak	Basudevpur	204	52923	2535	15371	16494	34400
Bhadrak	Dhamnagar	153	24340	647	6007	11896	18550
Bhadrak	Bhandaripokhari	176	23024	1767	6433	9700	17900
Bhadrak	Chandbali	289	68411	455	4302	31943	36700
Bhadrak	Bonth	205	28230	4535	7662	6703	18900
Bhadrak	Total	1356	270164	13617	62660	99723	176000

B. Land Holding Pattern in Bhadrak District

Name of KVK	Types of Land	Area in Ha.	Size of Holding	No. of Holdings	% Total	Area(ha) under cultivation	% Total
Bhadrak	Cultivable Area	176000	< 1ha	86120	58.5	39057	22.2
Bhadrak	Total Paddy Area	165300	1-2ha	3445	23.4	47850	27.2
Bhadrak	High Land Paddy Area	7307	2-4ha	20850	14.3	55340	31.4
Bhadrak	Med. Land Paddy Area	58270	4-10ha	5431	3.6	29988	17.2
Bhadrak	Low Land Paddy Area	99723	>10ha	249	0.2	3322	2.0

Source: Agricultural Strategy of Bhadrak District, Kharif-2010

C. Population

KVK Name	Block Name	No. of GP	No. of Village	ST	SC	Others	Total
Bhadrak	Basudevpur	33	204	998	50542	174140	225680
Bhadrak	Bhadrak	32	170	11276	43773	225171	280220
Bhadrak	Bhandaripokhari	19	176	2836	26801	87701	117344
Bhadrak	Bonth	22	205	6034	33691	95486	135211
Bhadrak	Chandabali	33	289	1595	44391	171652	217638
Bhadrak	Dhamanagar	30	153	1430	38615	142232	182277
Bhadrak	Tihidi	26	159	972	48910	125497	175379
Bhadrak	Total	195	1356	25141	286723	1021885	1333749

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)
Bhadrak	Gopalpur	2005-06	Bonth	32 km	550	110
Bhadrak	Gandakura	2005-06	Bonth	33 km	523	100
Bhadrak	Jamajodi	2005-06	Tihidi	35 km	490	98
Bhadrak	Madhusudanpur	2007-08	Basudevpur	18 km	528	104
Bhadrak	Sriganga	2008-09	Dhamnagar	34 km	417	78

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

KVK Name	THRUST AREA
Bhadrak	INM and IPDM approach in crop enterprises,
Bhadrak	High value rice production,
Bhadrak	Diversified cropping patterns,
Bhadrak	Integrated fish farming system
Bhadrak	Alternate livelihood options for resource poor farm families
Bhadrak	Empowerment of farm women in all sectors.

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

KVK Name	Problem identified	Methods of problem identification
Bhadrak	Low income from Paddy.	PRA, Group discussion, Feedback from line department.
Bhadrak	Low yield and income from pisciculture	PRA, Group discussion, Feedback from line department
Bhadrak	Low yield and income from crops and vegetables	PRA, Group discussion, Feedback from line department
Bhadrak	Low productivity of dairy, goatery and poultry	PRA, Group discussion, Feedback from line department
Bhadrak	Low household income of resource poor farm families	PRA, Group discussion, Feedback from line department
Bhadrak	Poor focus on Agri-enterprise development	PRA, Group discussion, Feedback from line department

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	
Bhadrak	2011-12 (Kharif)	Low yield in local Onion varieties.	Varietal Evaluation	Assessment	Onion	Alluvial, Rainfed, Mid land, Paddy-Vegetable	Assessment of Onion var. Bhima Super in late kharif	10	Yield-116.2 q/ha	161.8	42140	67660	
Bhadrak	2011-12 (Kharif)	Low yield in traditional varieties of Turmeric.	Varietal Evaluation	Assessment	Turmeric	Alluvial, Rainfed, Mid land, Paddy-Vegetable	Assessment of Turmeric var. Rasmi	10	Yield-64.5q/ha	84.6	78600	118500	
Bhadrak	2011-12 (Rabi)	Low yield in traditional Garlic variety.	Varietal Evaluation	Assessment	Garlic	Alluvial, Rainfed, Mid land, Paddy-Vegetable	Assessment of Garlic var. Jamuna Safed	10	Yield-92.4 q/ha	116.2	80100	111900	
Bhadrak	2011-12 (Rabi)	Low yield in traditional varieties.	Varietal Evaluation	Assessment	Papaya	Alluvial, Rainfed, Mid land, Paddy-Vegetable	Assessment of Papaya var. Pusa Nanha	10	Yield-486 q/ha	648	14500	21760	
Bhadrak	2011-12 (Kharif)	Low yield of Paddy due to high infestation of Caseworm	Integrated Pest Management	Assessment	Paddy	Alluvial, Rainfed, Mid land, Paddy -Vegetables	Assessment of Integrated management of Case worm in Paddy.	10	Yield-40.25 q/ha	47.77	16670	24392	
Bhadrak	2011-12 (Kharif)	Low yield of Paddy due to high incidence of brown spot.	Integrated Disease Management	Assessment	Paddy	Alluvial, Rainfed, Mid land, Paddy -Vegetables	Assessment of Integrated management of brown spot in Paddy.	10	Yield-36.8 q/ha	45.43	13944	22764	
Bhadrak	2011-12 (Kharif)	Low yield of Paddy due to poor pollination and fertilization by deficiency of Boron in soil.	Integrated Nutrient Management	Assessment	Paddy	Alluvial, Rainfed, Mid /Low land, Paddy based	Assessment of Boron application in Paddy	10	Yield-44.6q/ha	48.4q/ha	20668	24272	
Bhadrak	2011-12 (Rabi)	Low yield and poor quality of Knolkhol due to Boron deficiency in soil.	Integrated Nutrient Management	Assessment	Knolkhol	Alluvial, Irrigated, Mid land, Paddy -Vegetables	Assessment of Boron application in Knolkhol	10	Yield-175.0q/ha	200.0q/ha	41000	52500	
Bhadrak	2011-12 (Kharif)	Low yield of Paddy due to high incidence of green algae at early	Weed Management	Refinement	Paddy	Alluvial, Rainfed, Mid /Low land, Paddy based	Refinement of CuSO ₄ application for	5	Grain yield-37 q/ha	44.2 q/ha	12460	17736	CuSO ₄ @2.5kg /ha at the time

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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	
		stage of crop growth.					controlling Green algae in Paddy fields.						of transplanting of paddy .
Bhadrak	2011-12 (Rabi)	Low yield and nitrogen fixation in Green gram due to micro nutrient deficiency in soil.	Integrated Nutrient Management	Assessment	Greengram	Alluvial, Irrigated, Mid land	Assessment of Seed treatment with molybdenum & Cobalt in Green gram.	10	Grain yield- 8.36 q/ha	9.12 q/ha	16260	18820	Seed treatment with molybdenum & Cobalt increases nodule numbers and higher N fixation
Bhadrak	2011-12 (Rabi)	Disease outbreak in bottom fishes because of poor decomposition and deposit of sludge in pond bottom during winter, that releases obnoxious gases and exerts environmental stress to fishes.	Integrated Disease Management	Assessment	Fish	Alluvial bottom, Canal fed, Mid land, Composite Pisciculture	Assessment of Geolite application for pond bottom sludge amelioration during winter in carp culture.	5	Yield- 18.8q/ha	20.3	70400	77400	
Bhadrak	2011-12 (Kharif)	The cost of ingredients (oil cake and Paddy bran) in traditional feed is increasing and the FCR is more than 3 in fish seed rearing.	Nutrition Management	Assessment	Fish	Alluvial bottom, Canal fed, Mid land, Pisciculture seed rearing tanks	Assessment of Food conversion rate of slow sinking crumble feed in fish fry to fingerling rearing tanks.	5	Yield- 18.1q/ha	26.9	70300	135700	
Bhadrak	2011-12 (Rabi)	Frequent occurrence of crustacean parasitic disease 'Argulosis' in fish culture tanks causes heavy mortality of fish , lessen the fish yield.	Disease of Management	Assessment	Fish	Alluvial, Canal fed, Mid land/ Low land, Composite pisciculture	Assessment of Synthetic Pyrethroid in controlling Fish lice infestation.	10	Yield- 17.4 q/ha	22.1	69200	86800	
Bhadrak	2011-12	Low dissolve oxygen	Disease of	Assessment	Fish	Alluvial bottom,	Assessment of	10	Yield-	22.0	85600	91000	

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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	
	(Kharif)	condition causes environmental stress on fish, lessens feed intake and growth. But in persistent condition causes mass mortality.	Management			Canal fed, Mid land, Composite Pisciculture	application of Oxidising agent, KMnO4 in mitigating low dissolve oxygen condition in fish ponds.		20.7 q/ha				
Bhadrak	2011-12 (Rabi)	Tedious work done by farm women.	Drudgery reduction	Assessment	Groundnut	Alluvial, Irrigated, Mid land,-	Assessment of groundnut thresher.	5	2kg/hr	20kg/hr	29000	29400	
Bhadrak	2011-12 (Kharif)	Tedious work done by farm women.	Weed Management	Assessment	Vegetable	Alluvial, Rainfed, Up land /Mid land / Low land,-	Assessment of Vegetable weeder (Wheel finger)	5	0.014	0.04	-	-	
Bhadrak	2011-12 (Kharif)	High cost of production because of increasing cost of feeding material.	Mushroom cultivation & Small Scale income generating enterprises	Assessment	Mushroom	Backyard	Assessment of Paddy straw mushroom production with pulse bran (Chuni)	10	1.25	1.20	40/ bed	40/bed	Getting same profit though the cost of cultivation is different
Bhadrak	2011-12 (Kharif)	Un-utilization threshed straw and unavailability of bundled straw .	Mushroom cultivation	Assessment	Mushroom	Backyard	Assessment of Paddy straw mushroom production using threshed straw as substrate.	10	1.25	0.90	40/ bed	46/bed	Threshed straw can be used for production of paddy straw with same procedure

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)
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		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)
Bhadrak	Assessment of Onion var. Bhima Super in late kharif	Yield-q/ha	161.8	116.2	39200	45600		81340	113260		42140	67660		2.07	2.48	
Bhadrak	Assessment of Turmeric var. Rasmi	Yield-q/ha	84.6	64.5	76200	84540		154800	203040		78600	118500		2.03	2.40	
Bhadrak	Assessment of Garlic var. Jamuna Safed	Yield-q/ha	116.2	92.4	58500	62400		138600	174300		80100	111900		2.36	2.79	
Bhadrak	Assessment of Papaya var. Pusa Nanha	Yield-q/ha	648	486	97500	106400		243000	324000		145500	217600		2.49	3.04	
Bhadrak	Assessment of Integrated management of Case worm in Paddy.	Yield-q/ha	47.77	40.25	26800	27200		43470	51592		16670	24392		1.62	1.89	
Bhadrak	Assessment of Integrated management of brown spot in Paddy.	Yield-q/ha	45.43	36.8	25800	26300		39744	49064		13944	22764		1.54	1.86	
Bhadrak	Assessment of Boron application in Paddy	Yield-q/ha	48.4	44.6	27500	28000	-	48168	52272	-	20668	24272	-	1.75	1.87	-
Bhadrak	Assessment of Boron application in Knolkhol	Yield-q/ha	200	175	46500	47500	-	87500	100000	-	41000	52500	-	1.88	2.11	
Bhadrak	Refinement of CuSO ₄ application for controlling Green algae in Paddy fields.	Yield-q/ha	44.2	37.0	27500	30000	-	39960	47736	-	12460	17736	-	1.45	1.59	
Bhadrak	Assessment of Seed treatment with molybdenum & Cobalt in Green gram.	Yield -q/ha	9.12	8.36	13000	13100	-	29260	31920	-	16260	18820		2.25	2.44	
Bhadrak	Assessment of Geolite application for pond bottom sluge amelioration	Yield-q/ha	20.3	18.8	80000	85000		150400	162400		70400	77400		1.8	1.9	

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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)
	during winter in carp culture.															
Bhadrak	Assessment of Food conversion rate of slow sinking crumble feed in fish fry to fingerling rearing tanks.	Yield-q/ha	26.9	18.1	110700	133300	-	181000	269000	-	70300	135700	-	1.64	2.02	
Bhadrak	Assessment of Synthetic Pyrethroid in controlling Fish lice infestation.	Yield-q/ha	22.1	17.4	70000	85000	-	139200	176800	-	69200	86800	-	1.99	2.08	-
Bhadrak	Assessment of application of Oxidising agent, KMnO ₄ in mitigating low dissolve oxygen condition in fish ponds.	Yield-q/ha	22.0	20.7	80000	85000	-	165600	176000	-	85600	91000	-	2.0	2.0	
Bhadrak	Assessment of groundnut thresher.	Threshing - Kg/hr	2.0	20	25000	24600		54000	54400		29000	29400		2.16	2.19	
Bhadrak	Assessment of Vegetable weeder (Wheel finger)	Weeding rate-ha /day	0.014	0.04	-	-	-	-	-	-	-	-	-	-	-	
Bhadrak	Assessment of Paddy straw mushroom production with pulse bran (Chuni)	Yield-Kg/bed	1.25	1.20	40	36		100	96		60	60		1.5	1.66	
Bhadrak	Assessment of Paddy straw mushroom production using threshed straw as substrate.	Yield-Kg/bed	1.25	0.90	40	34		100	81		60	57		1.5	1.67	

2.3 Feedback from KVK to Research System

Name of KVK	Feedback
Bhadrak	Alternate mulching technology for Turmeric
Bhadrak	Finding of most appropriate sowing time for Kharif Onion
Bhadrak	Management of Papaya Mealybug
Bhadrak	Foliar application of Boron may be tested for Knlkhhol
Bhadrak	Residual effect of continuous use of KMnO ₄ has to be assessed in mitigating low dissolve oxygen condition in fish ponds.
Bhadrak	Finding of most suitable pulse bran for Paddy straw mushroom production

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
Bhadrak	Jute	INM	INM in Jute	Field day, Training	10	50	25
Bhadrak	Coconut	IPM	Application of FYM, Neem oil cake, Chemical fertilizer, Micronutrient & application of Neemazol / Econeemplus.	Field day, Training	60	1200	6000
Bhadrak	Brinjal	IDM	Seed & seedling treatment with Carbendazim & Streptocycline, Soil treatment & foliar application with bio-agents	Field day, Training	25	58	13
Bhadrak	Rice	IPM	Nursery treatment with Furadon, application of Cartap hydrochloride with release of Trichogramma japonicum.	Field day, Training	80	2000	800
Bhadrak	Marigold	Production and management	Staggered planting of marigold round the year	Cultivation of marigold (cuttings) var. Bengal Yellow	5	12	4.0

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				and Bengal Orange during winter and Ceracol (Seedlings) during summer			
Bhadrak	Elephant foot yam	Varietal evaluation	Corm treatment with Carbendazim (30gm)+ Monocrotophous (15ml)+10kg Cow dung., Nutrient management , High yielding variety.	Training, Booklets	37	255	14
Bhadrak	Fish	Disease of Management	Management of EUS in fish by application of CIFAX	Field day, Training. Booklets, Media coverage	209	2310	360
Bhadrak	Grass carps	Weed Management	Biological weed control by using grass carps	Field day, Training. Booklets, Media coverage	120	360	247
Bhadrak	Magur	Small Scale income generating enterprises	Magur culture in small shallow shady tanks	Field day, Training. Booklets, Media coverage	03	16	0.43
Bhadrak	Duckery	Production and Management	Introduction of duckery in pond based farming system	Field day, Training. Booklets, Media coverage	32	158	36.2
Bhadrak	Prawn	Production and Management	Fresh water prawn poly culture with carps	Field day, Training. Booklets, Media coverage	28	142	82
Bhadrak	Rice	Integrated Nutrient Management	Organic nutrition for aromatic rice	Awareness programme, Large scale demonstration.	10	25	10
Bhadrak	Vermicompost	Small Scale income generating enterprises	Vermicomposting	Awareness programme, Large scale demonstration.	20	80	80 units
Bhadrak	Mushroom	Small Scale income generating enterprises	Production and Management of mushroom bed throughout the year.	Field day, Training, Book lets, Media coverage	357	1000	250000 0
Bhadrak	Vegetable	Nutritional security	Selection of variety, Proper layout, balance fertilizer application.	Training, Book lets, Media coverage	13	141	5
Bhadrak	Backyard poultry	Small Scale income generating enterprises	Improved breed with brooding and rearing technology	Leaflet, Mass media	450	9000	45000
Bhadrak	Pond based farming system	Integrated crop management	Enterprise combination and proper utilization of pond bund	Popular article, mass media	12	18	15

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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/Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Bhadrak	Integrated Nutrient Management	Coconut	Kharif ,2011-12	In-situ decomposition of legume crops (Blackgram/Greengram) + Application of NPK@ 750:1000:750 g/plant/year + Boron @ 100g/plant	100 plants	Integrated nutrient management to check button shedding in coconut	8680	7160	21.22	2	-		8	10
Bhadrak	Varietal Evaluation	Banana	Rabi ,2011-12	Planting of tissue culture banana var. Bantala	0.2	Cultivation of tissue culture banana var. Bantala	1910	1960	2.61	3	-		7	10
Bhadrak	Integrated Farming System	Bitter gourd	Rabi ,2011-12	Cultivation of cucurbits on fence type upright bowers in the inner slope of pond bund.	0.2	Use of upright fence type bowering system for cucurbits.	148	126	17.46	1	-		4	5
Bhadrak	Integrated Nutrient Management	Pumpkin	Rabi ,2011-12	Application of ethrel @ 200 ppm twice at 2 and 4 leave stages	0.4	Application of Plant growth regulators in pumpkin	218	192	13.54	3	-		7	10
Bhadrak	Integrated Pest Management	Paddy	Kharif ,2011	Application of Carbofuron 3G@120gm /10 decimal nursery release T.chilonis @20000/acre 6times. Application of Fipronil/monocrotophous @2ml/liter of water	2	Integrated Pest Management of Leaf folder in Paddy	49.49	39.3	23.38	-	-		-	10
Bhadrak	Integrated Pest Management	Tomato	Rabi ,2011-12	Installation of pheromone trap@20trap/ha+application of Multineem 5ml/liter of water +spraying of B.T. @2gm/liter of water+spraying of Triazophous @2ml/liter of water.	1	Integrated Pest Management of Fruit Borer in Tomato.	309.9	254.6	21.72	-	-		-	10

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KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Bhadrak	Integrated Pest Management	Coconut	Rabi ,2011-12	Use of bucket trap (5traps /acre). Spraying of Carbaryl @ 1gm/liter of water on the compost pit & innermost 2-3 leaf axils of coconut palm is treated with 20gm Phorate +200gm Sand per palm twice a year.	2	Integrated Pest Management of Rhinoceros beetle of Coconut.	8400 nuts/ha	7350 nuts/ha	14.28	-	-		-	10
Bhadrak	Integrated Disease Management	Banana	Rabi ,2011-12	Sucker treatment with Trichoderma viridae 10gm/liter of water & soil drenching & spraying with Carbendazim + Mancozeb 2gm/liter of water + Plantomycin 1gm/liter of water 3times at 15days interval.	2	Integrated Disease Management of Panama wilt in Banana.	1930	1670	15.57	-	-		-	10
Bhadrak	Integrated Nutrient Management	Paddy	Rabi ,2011-12	Sulphur application @30kg S/ha in Paddy.	2	Sulphur application in Paddy.	46.6	40.2	15.9	2	-	8	-	10
Bhadrak	Nutrition Management	Composite pisciculture	Rabi ,2011-12	Feeding with floating pelleted feed @2-1%of total biomass.	1.2	Application of floating pelleted fish feed in fish grow out tanks	30.8	20.1	53.2	-	-		-	3
Bhadrak	Production and Management	Composite pisciculture	Kharif ,2011-12	Composite pisciculture with stocking ratio@catla:rohu:medium carp:mirgal::3:2:3:2	2.0	Introduction of high value medium carp, <i>Labeo fimbriatus</i> in composite pisciculture.	17.8	17.4	0.02	1	-	4	-	5
Bhadrak	Production and Management	Composite pisciculture	Rabi ,2011-12	Stocking of stunted yearlings @3000/acre in seasonal ponds.	1.0	Culture of IMCs in seasonal ponds by using stunted yearlings.	24.8	8.9	178	-	-		-	5

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KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety/Technology/ Enterprises	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Bhadrak	Integrated Pest Management	Composite pisciculture	Kharif ,2011-12	Application of High-Cis-Cypermethrin-10% W/V @100ml/ha-m 12hours before stocking of spawns.	4.0	Chemical control of aquatic insects by using synthetic pyrethroid (High-Cis-Cypermethrin-10% W/V) in increasing spawn survival in nursery tanks.	23.6 lakhs	19.25 lakhs	22.6	8	-	2	-	10
Bhadrak	Nutrition Management	Vegetable	Rabi ,2011-12	Planting of Papaya, banana, Drumstick and lemon at the periphery of nutritional garden.	0.4	Planting of Papaya, Drumsticks, banana & Lemon in Nutritional garden	Continuing			3	-		7	10
Bhadrak	Nutrition Management	Pulses	Rabi ,2011-12	Storing a 25kg bag of pulses (Greengram & Blackgram) inside 75kg paddy bag which protect the pulses from pest attack	20nos	Storage of Pulses (Greengram & Blackgram) inside paddy bag	Continuing		67.85	5	-		15	20
Bhadrak	Drugery Reduction	Groundnut	Kharif-2011	Use of Groundnut decoarticator for decrtication of nuts	-	-	20kg/hr	2kg/hr				5		5
Bhadrak	Small Scale Income generating activities.	Mushroom	-	Paddy straw Mushroom production with threshed straw	10	Volvarielle volvaceae,	0.9kg/bed	0.4kg/bed		2		5	4	10
Bhadrak	Small Scale income generating enterprises	Vermiculture	-	Practices of production of vermi in substrate (Cow dung and garden waste in 9:1) with proper water management	10 Units								10	10

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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
Bhadrak	Coconut	In-situ decomposition of legume crops (Blackgram/Greengram) + Application of NPK@ 750:1000:750 g/plant/year + Boron @ 100g/plant	Yield – q/ha	8680	7160	21500	20300	52080	42960	30580	22660	2.42	2.12
Bhadrak	Banana	Planting of tissue culture banana var. Bantala	Yield – q/ha	1910	1960	10400	92000	245000	191000	141000	99000	2.36	2.07
Bhadrak	Bitter gourd	Cultivation of cucurbits on fence type upright bowers in the inner slope of pond bund.	Yield – q/ha	148	126	45600	43500	118400	100800	72800	57300	2.60	2.32
Bhadrak	Pumpkin	Application of ethrel @ 200 ppm twice at 2 and 4 leave stages	Yield – q/ha	218	192	30200	28600	87200	76800	57000	48200	2.89	2.68
Bhadrak	Paddy	Application of Carbofuron 3G@120gm /10 decimal nursery release T.chilonis @20000/acre 6times. Application of Fipronil/monocrtophous @2ml/liter of water	Yield – q/ha	49.49	39.3	27600	26700	52369	42444	24769	15744	1.89	1.59
Bhadrak	Tomato	Installation of pheromone trap@20trap/ha+application of Multineem 5ml/liter of water +spraying of B.T. @2gm/liter of water+spraying of Triazophous @2ml/liter of water.	Yield – q/ha	309.9	254.6	51200	47800	154950	127300	103750	79500	3.02	2.66
Bhadrak	Coconut	Use of bucket trap (5traps /acre). Spraying of Carbaryl @ 1gm/liter of water on the compost pit & innermost 2-3 leaf axils of coconut palm is treated with 20gm Phorate +200gm Sand per palm twice a year.	Yield – q/ha	8400 nuts/ha	7350 nuts/ha	22100	20600	50400	44100	28300	23500	2.28	2.14

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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
Bhadrak	Banana	Sucker treatment with Trichoderma viridae 10gm/liter of water & soil drenching & spraying with Carbendazim + Mancozeb 2gm/liter of water + Plantomycin 1gm/liter of water 3times at 15days interval.	Yield – q/ha	1930	1670	94500	92700	193000	167000	98500	74300	2.04	1.80
Bhadrak	Paddy	Sulphur application @30kg S/ha in Paddy.	Yield – q/ha	46.6	40.2	29040	27500	50328	43416	21288	15916	1.73	1.58
Bhadrak	Composite pisciculture	Feeding with floating pelleted feed @2-1%of total biomass.	Yield – q/ha	30.8	20.1					105400	52800	1.74	1.48
Bhadrak	Composite pisciculture	Composite pisciculture with stocking ratio@catla:rohu:medium carp:mirgal::3:2:3:2	Yield-q/ha	17.8	17.4	70000	70000	160200	139200	90200	69200	2.3	2.0
Bhadrak	Composite pisciculture	Stocking of stunted yearlings @3000/acre in seasonal ponds.	Yield-q/ha	Continuing									
Bhadrak	Composite pisciculture	Application of High-Cis-Cypermethrin-10% W/V@100ml/ha-m 12hours before stocking of spawns.	Yield(L akhs/ha)	23.6	19.25	125350	125000	295000	240625	169650	115625	2.3	1.9
Bhadrak	Vegetable	Planting of Papaya, banana, Drumstick and lemon at the periphery of nutritional garden.	Yield BC ratio	Continuing									
Bhadrak	Pulses	Storing a 25kg bag of pulses (Greengram & Blackgram) inside 75kg paddy bag which protect the pulses from pest attack	% of damage	Continuing									
Bhadrak	Groundnut	Use of Groundnut decoarticator	Efficiency -Kg/hr	20 kg/hr	2 kg/hr	25000	24718	54000	54282	29000	29282	2.16	2.19
Bhadrak	Mushroom	Mushroom cultivation with threshed straw	Yield-Kg/be	0.9 kg/bed	0.4 kg/bed	33/bed	27/bed	72/kg	32/kg	39/bed	5/bed	2.18	1.18

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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
Bhadrak	Vermiculture	Vermicultue	Vermi kg/tank , compost vkg/tank yield, Kg	Continuing									

3.4 Feedback of the Farmers

Name of KVK	Feedback
Bhadrak	In-situ decomposition and Boron application are new techniques and highly effective in Coconut
Bhadrak	Tissue culture banana has higher yield and more fingers/bunch
Bhadrak	Higher yield with less investment in Bittergourds
Bhadrak	Convinced with the effectiveness of the recommended IPM strategy for Fruit Borer in Tomato
Bhadrak	Rope dragging is a very simple and low cost technology in Paddy.
Bhadrak	More number of female flower and less incidence of fruit drying in Pumpkin
Bhadrak	Pesticide application in manure is a new technology. Application of sand mixed granules at the canopy will be difficult in old plantations in Coconut.
Bhadrak	Effective than the conventional practice for Banana
Bhadrak	Consumers 'preference is more for medium carps, but its seed availability is less.
Bhadrak	The technology is low cost and quite effective in controlling of aquatic insects

3.5 Training and Extension activities under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bhadrak	Coconut	Field days	1	30	
Bhadrak		Farmers Training	1	25	
Bhadrak		Media coverage	1	-	
Bhadrak		Training for extension functionaries	-		
Bhadrak	Banana	Field days	1	40	
Bhadrak		Farmers Training	1	20	
Bhadrak		Media coverage	1	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Bitter gourd	Field days	1	40	
Bhadrak		Farmers Training	1	25	

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KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Pumpkin	Field day	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	1	-	
Bhadrak		Training for extension functionaries	1	20	
Bhadrak	Paddy	Field days	1	50	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	1	15	
Bhadrak	Tomato	Field days	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Coconut	Field days	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Banana	Field days	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Paddy	Field days	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	1	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Composite pisciculture	Field days	1	30	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	1	-	TV Programme
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Composite pisciculture	Field days	1	30	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	1	-	-
Bhadrak		Training for extension functionaries	-	-	

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KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bhadrak	Composite pisciculture	Field days	2	50	
Bhadrak		Farmers Training	1	25	
Bhadrak		Media coverage	-	-	
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Composite pisciculture	Field days	2	50	
Bhadrak		Farmers Training	1	25	
Bhadrak		Media coverage	1		TV Programme
Bhadrak		Training for extension functionaries	-	-	
Bhadrak	Vegetable	Field days	1	40	
Bhadrak		Farmers Training	1	30	
Bhadrak		Media coverage	1	-	
Bhadrak		Training for extension functionaries	-		
Bhadrak	Pulses	Field days	1	40	
Bhadrak		Farmers Training	-	-	
Bhadrak		Media coverage	-	-	
Bhadrak		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
BHADRAK	Farmers	PRA tools, Group discussion- Seeing that the farmers are not applying lime, chemical fertilizers in balanced manner. During pond preparation	23.04.11 Jamojodi	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that farmers are not aware about post-stocking management practices .	17.05.11 Gopinathpur	30
BHADRAK	Rural Youth	PRA Tools, Group Discussion, Personal contact: Seeing that farmers are not aware about fish –cum- Horticulture integration	19.07.11 KVK Campus	25
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that Integrated farming system is not developed in these areas	26.07.11, KVK campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that farmers are not able to produce quality fish seeds	28.08.11 KVK camus	30

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BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that availability of quality fish seeds like SYLs &SFLs are not there	26.08.11, KVK campus	30
BHADRAK	Rural Youth	PRA Tools, Group Discussion, Personal contact: Seeing that low income from fish is due to non-adoption of multiple cropping pattern of pisciculture	28.08.11,KVK campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that poor management practices for fish diseases and its control.	22.09.11, KVK Campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that farmers to-farmers extension is virtually nil	23.09.11 and 25.09.11 KVK Campus	25
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that farmers are unaware about value addition of fish	24.01.12, KVK,campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that scientific cultivation of freshwater prawn is not existed in these areas	25.02..12 at Thaila	30
BHADRAK	Rural Youth	PRA Tools, Group Discussion, Personal contact: Seeing that fish-cum-duckery integration is not available in these areas.	26.02.12 at Kshirasahi	25
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that farmers are not adopting ornamental fish farming as a backyard vocation..	09.03.12 at Patuli	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that manual weeding of rice is practiced in these areas.	30.07.11, Sriganga	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that high cost inputs are used in rice in these areas.	06.08.11, Gopalpur	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that fodder availability is a problem in these areas.	07.08.11, Jamjodi	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that pest and disease is a major problem of jute in these areas.	09.06.11 and 10.06.11, Gopalpur	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that pest and disease is a major problem of brinjal in these areas.	17.07.11 and 18.07.11, Sriganga	30
BHADRAK	Rural Youth	PRA Tools, Group Discussion, Personal contact: Seeing that the farmers are not aware of safe and judicious use of pesticides.	19.07.11, KVK Campus	20
BHADRAK	Rural Youth	PRA Tools, Group Discussion, Personal contact: Seeing that the farmers are not aware of ITKs for pest control.	20.07.11, KVK Campus	20
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that the farmers are not aware of proper spraying techniques.	28.07.11, Kantia	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that BPH is a major pest in these areas.	27.08.11 and 28.08.11, Gopali	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on Pond preparation & Pre-stocking management for scientific pisciculture.	31.05.11, Baulapal	30

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BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on Post-stocking management for scientific pisciculture.	24.06.11 and 25.06.11 , Sendhatira	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on Integrated fish farming.	22.07.11 and 23.07.11, Patuli	25
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on Integration of horticulture with fish farming.	29.07.11,, KVK Campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on multiple cropping pattern of fish farming.	30.07.11 and 31.07.11, KVK Campus	30
BHADRAK	Farmers	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on air breathing fish-magur in small shallow and shady tanks.	30.08.11 and 31.08.11, Parasinga	25
BHADRAK	Rural youth	PRA Tools, Group Discussion, Personal contact: Seeing that IMC hatchery operation and fish production is an IGA for unemployed rural youth.	28.09.11to 02.10.11 KVK Campus	10
BHADRAK	Farmwoman	PRA tools,Group discussion---- Seeing that the Paddy straw mushroom cultivation is an important IGA for the farmwoman in these areas.	26.4.11 to 27.4.11, Sriganga	25
BHADRAK	Farmwoman	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge regarding scientific preservation of fruits.	26.5.11to 27.5.11,Bonth	25
BHADRAK	Farmwoman	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on kitchen garden & its utility for family's nutritional security.	29.7.2011 & 30.7.11,Sriganga	25
BHADRAK	Farmwoman	PRA Tools, Group Discussion, Personal contact: Seeing that lack of knowledge on nutrient loss while cooking of fruits & vegetable.	15.9.2011,Bonth	25
BHADRAK	Farmwoman	PRA tools,Group discussion---- Seeing that the commercial mushroom production is an important IGA for the farmwoman.	21.9.11 to 25.9.11, KVK Campus	25

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

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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	Theme code	Title of the Training	No. of Course	Duration in Days	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bhadrak	FW	OFC	CRP	Weed Management in direct sown rice	1	1	30							
Bhadrak	IS	ONC	EXP	Contingent Crop Planning	1	2								
Bhadrak	FW	OFC	CRP	Management of direct sown Kharif Rice	1	1								
Bhadrak	FW	OFC	CRP	Nutrient Management in transplanted rice.	1	1								
Bhadrak	FW	OFC	CRP	Production technology for lowland rice	1	1								
Bhadrak	FW	OFC	CRP	Production technology for Sugarcane	1	2								
Bhadrak	FW	OFC	CRP	Production technology for Mustard	1	2	30							
Bhadrak	FW	OFC	CRP	Production technology for Hybrid maize	1	2	30							
Bhadrak	FW	OFC	CRP	Production technology for Sunflower	1	2								
Bhadrak	IS	ONC	EXP	Farming System approach	1	2								
Bhadrak	RY	ONC	RYH	Seed Production techniques in rice.	1	2								
Bhadrak	RY	ONC	RYH	Seed Production techniques in Green gram & Black gram	1	2								
Bhadrak	IS	ONC	EXP	Fertilizer Management in Field Crops	1	2	10		4		1			
Bhadrak	FW	OFC	SFM	Use of Creek water for crop production	1	1	23						7	
Bhadrak	FW	OFC	SFM	Micro & Secondary nutrient application in Rice.	1	1	14		6				10	
Bhadrak	RY	ONC	RYH	Techniques of Vermiculture & Vermicompost Production	1	5	2		4				18	1
Bhadrak	FW	OFC	SFM	Nitrogen management in Flooded low land rice.	1	1	2		4				24	

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Name of KVK	Category	Training Type	Theme code	Title of the Training	No. of Course	Duration in Days	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bhadrak	FW	OFC	SFM	Use of Biofertilizers in Vegetable crops	1	1	7	1	6				14	2
Bhadrak	FW	OFC	SFM	Use of Micronutrients in vegetable crops.	1	1	14	2					9	5
Bhadrak	IS	ONC	EXP	Management of Salt affected Soils	1	2		7	3	1	2		2	
Bhadrak	RY	ONC	RYH	Round the year Azolla Production Technology	1	2	5	1	2				16	1
Bhadrak	FW	OFC	PLP	Integrated Pest Management of Jute stem girdler & weevil	1	1	10		5				15	
Bhadrak	RY	ONC	RYH	Beekeeping; An off farm agro enterprise.	1	3					1	1	11	2
Bhadrak	FW	ONC	OTH	Integrated Pest & Disease Management in Tuber Crops	1	2	9	1	4	2			12	2
Bhadrak	FW	OFC	PLP	Integrated Pest Management for Stem-borer , BPH, Leaf folder & Caseworm in Rice.	1	1	15		3				12	
Bhadrak	FW	OFC	PLP	Integrated Disease Management for Blast, Brown spot & Sheath blight in Rice.	1	1	5	5	3	2			10	5
Bhadrak	RY	ONC	RYH	Integrated Pest & Disease Management in Banana	1	1	7						12	1
Bhadrak	FW	OFC	OTH	Integrated Pest & Disease Management of Rhinoceros beetle & stem bleeding in Coconut.	1	1	14		1				15	
Bhadrak	FW	ONC	OTH	Integrated Pest & Disease Management on Solanaceous vegetables	1	2	12						18	
Bhadrak	FW	OFC	PLP	Integrated Pest Management in Cole crops	1	1	5		3				12	
Bhadrak	FW	ONC	PLP	Integrated Pest Management of Fruit fly in Cucurbits	1	1	10		4				16	
Bhadrak	IS	ONC	EXP	Use of Bio-agents in Horticultural crops	1	2								
Bhadrak	FW	OFC	OTH	Integrated Pest & Disease Management of Aphid & Club root of Toria.	1	1	9	3	1				12	5
Bhadrak	IS	ONC	EXP	Integrated Pest Management of Field crops.	1	2			3	1			10	1
Bhadrak	FW	OFC	OTH	Integrated Pest & Disease Management of YMV & pod borer complex in Pulse crops	1	1	6		5	1			18	
Bhadrak	FW	OFC	OTH	Integrated Pest & Disease Management of Helicoverpa & wilt in Sunflower.	1	1	9						21	
Bhadrak	FW	OFC	HOV	Cultivation practices of leafy vegetables	1	1			10				20	
Bhadrak	FW	ONC	HOS	Cultivation practices of Onion in Kharif	1	2			5				20	
Bhadrak	FW	OFC	HOS	Package of practices for turmeric production	1	1	10	4	7	1			8	
Bhadrak	FW	OFC	HOF	Management of Coconut orchard	1	1			1				29	
Bhadrak	IS	ONC	EXP	Horticultural integration in pond based farming system	1	3	5		2				8	
Bhadrak	FW	OFC	HOF	Cultivation practices of Papaya	1	1	4	2	2				19	2
Bhadrak	FW	OFC	HOF	Agro techniques of tissue culture banana cultivation	1	1	8		1				21	
Bhadrak	FW	OFC	HOV	Management of relay cropping system	1	1	7		4				14	5
Bhadrak	FW	OFC	HOV	Package of practices for cucurbits (Cucumber, Pumpkin, Bitter gourd and Pointed gourd) cultivation	1	2								
Bhadrak	FW	ONC	HOV	Package of practices for solanaceous vegetables (Tomato, Brinjal and	1	2	2						23	

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Name of KVK	Category	Training Type	Theme code	Title of the Training	No. of Course	Duration in Days	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				Chilli)										
Bhadrak	FW	ONC	HOV	Package of practices for cultivation of Cole crops (Cabbage, cauliflower and knol khol)	1	2	6		8				10	1
Bhadrak	FW	ONC	HOO	Staggered planting of marigold	1	2								
Bhadrak	FW	ONC	HOV	Production technology of tropical tuber crops (Taro, Yam and Elephant foot yam)	1	2								
Bhadrak	RY	ONC	RYH	Commercial Floriculture	1	3	3		3				9	
Bhadrak	RY	ONC	RYH	Production technology of exotic vegetables for higher profitability	1	3							9	6
Bhadrak	IS	ONC	EXP	Use of Plant Growth Regulators (PGRs) in fruits and vegetables	1	3								
Bhadrak	RY	ONC	RYH	Nursery raising techniques in fruits and vegetables	1	5	2		1				12	
Bhadrak	RY	ONC	RYH	Post harvest management of fruits and vegetables	1	5			2				10	3
Bhadrak	FW	OFC	FIS	Pond preparation and pre-stocking management in pisciculture tanks	1	1	30							
Bhadrak	FW	ONC	FIS	Integrated fish farming	2	4	4	1	8	1			28	8
Bhadrak	FW	OFC	FIS	Post Stocking Liming, manuring, fertilization and supplementary feeding in pisciculture tanks.	1	1	3		3				24	
Bhadrak	FW	ONC	FIS	Package of practices for fish-cum-horticulture integration	1	2	2		5				18	
Bhadrak	FW	ONC	FIS	Repeated stocking and repeated harvesting method of pisciculture	1	2	2		11				17	
Bhadrak	RY	ONC	RYH	Quality Seed Production (Fry , Fingerlings, Stunted Fingerlings /yearlings) of Indian Major carps	1	3	2		6				17	
Bhadrak	RY	ONC	RYH	Year round sustainable yearlings/Stunted fingerlings production techniques	1	2			8				17	
Bhadrak	FW	OFC	FIS	Backyard ornamental Fish farming	1	1								
Bhadrak	FW	ONC	FIS	Management of Farmer to Farmer extension by Fish Farmer promoters	1	3	1		4				15	
Bhadrak	FW	ONC	FIS	Prophylaxis and Fish disease control in Pisciculture tanks	1	2	2		16				12	
Bhadrak	FW	OFC	FIS	Fish-cum-duck farming in small backyard tanks	1	1			10	1			18	1
Bhadrak	FW	OFC	FIS	Pond water, feed and disease management in fresh water prawn culture	1	1			15	8			6	1
Bhadrak	FW	ONC	FIS	Preparation of Pickles from low cost small penaeid prawns.	1	1							20	
Bhadrak	IS	ONC	EXP	Scientific yearling culture & multiple cropping pattern of pisciculture	1	2								
Bhadrak	IS	ONC	EXP	Sustainable brackish water aqua farming	1	2								
Bhadrak	FW	OFC	WOE	Production technology of Paddy straw Mushroom	1	2		10		4				11
Bhadrak	FW	ONC	WOE	Value addition of Seasonal Fruits	1	2		10		2				13
Bhadrak	FW	OFC	WOE	Management of stored grain pest.	1	1		2						28
Bhadrak	RY	ONC	RYH	Sorting , Grading, Packaging of Mushroom	1	1	5		15				4	1
Bhadrak	FW	ONC	WOE	Value addition of Seasonal Vegetables	1	2				4				21
Bhadrak	FW	ONC	WOE	Value addition of Mushroom	1	2	2		3	1			22	1

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Name of KVK	Category	Training Type	Theme code	Title of the Training	No. of Course	Duration in Days	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bhadrak	FW	OFC	WOE	Production technology of Oyster Mushroom	1	2		4		5				16
Bhadrak	IS	ONC	EXP	Income generating activities for women SHGs	1	4		4		2				14
Bhadrak	FW	OFC	WOE	Nursery raising for backyard nutritional garden.	1	2		1		5				19
Bhadrak	FW	OFC	WOE	Use of drudgery reduction technology in home management.	1	2		2		6				17
Bhadrak	FW	OFC	WOE	Use of Drudgery reduction implements by farmwomen	1	1				7				18
Bhadrak	FW	OFC	WOE	Seed storage techniques	1	1								
Bhadrak	RY	ONC	RYH	Paddy craft	1	2		2		3		3		22
Bhadrak	RY	ONC	RYH	Production of Paddy straw mushroom under low cost poly house in winter.	1	2	9		2				12	2
Bhadrak	RY	ONC	RYH	Commercial Mushroom production	1	5	15	1	3				14	1
Bhadrak	IS	ONC	EXP	Formation and Management of Women SHGs	1	2		2		2				16
Bhadrak	IS	ONC	EXP	Management of Farmers Organization	1	3								
Bhadrak	IS	ONC	EXP	Micro Planning	1	4								

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	
Bhadrak	Commercial Mushroom Production	Mushroom	Alternate livelihood option	05	3					29	2
Bhadrak	Quality Seed Production (Fry , Fingerlings, Stunted Fingerlings /yearlings) of Indian Major carps	IMC	Alternate livelihood option	03	6					19	
Bhadrak	Year round sustainable yearlings/Stunted fingerlings production techniques	IMC	Alternate livelihood option	02	8					17	

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	
Bhadrak	Mushroom cultivation for Farm women & Rural youth	Backyard	35	70	
Bhadrak	Seed production of IMC	Fish seed rearing unit	38	92	
Bhadrak	Seed production of IMC	Hatchery unit	04	16	
Bhadrak	Ornamental fish farming	Breeding unit for live bearers	02	05	
Bhadrak	Winter seed production of common carp	Breeding unit	02	06	
Bhadrak	Techniques of vermiculture & vermicomposting	Backyard	10	10	

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)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Bhadrak	Scaling-up of water productivity in Agriculture for livelihood	CRP	Water management	FW	7	1	43	-	7	-	-	-	AICRP on Water management Chiplima, Sambalpur	-

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		
Bhadrak														

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
			Before	After	Before	After	Before	After	
			1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income						
Bhadrak	Integrated Pest and Disease Management in solanaceous vegetables (Brinjal)	30	25	75	261	290	130500	145000	1. Area expanded (ha)-50ha 2. No. of farmers adopted (no.)- 20 3. % change in knowledge =200 %, Production= 28.9 & Income= 28.9
Bhadrak	Integrated Pest Management for stem-borer, BPH,Leaffolder & Caseworm in Rice	30	35	75	36.89	42.29	36890	42290	1. Area expanded (ha)-100ha 2. No. of farmers adopted (no.)- 25 % change in knowledge = 114.2 %,Production= 14.8 & Income = 14.8
Bhadrak	Management of Blast , sheath blight & Brownspot disease in Rice.	30	35	80	36.2	41.09	36200	41090	1. Area expanded (ha)-50ha 2. No. of farmers adopted (no.)- 26 3. % change in knowledge = 128.5 %, Production= 13.5 & Income=13.5
Bhadrak	Use of Pheromone Trap & Biopesticides in IPM practices	30	25	70	34.49	40.98	34490	40980	1. Area expanded (ha)-25ha 2. No. of farmers adopted (no.)- 15 3. % change in knowledge = 180 %, Production= 16.8 & Income= 18.8

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Bhadrak	Importance of Soil Testing and Balanced fertilizer application in crops	30	35	70	40	48	40000	48000	1. Area expanded (ha)-120ha 2. No. of farmers adopted (no.)- 25 3. % change in knowledge = 100 %, Production= 25 % & Income = 25
Bhadrak	Nitrogen Management in Flooded Low Land rice	30	40	75	38	47	38000	47000	1. Area expanded (ha)- 2. No. of farmers adopted (no.) 3. % change in knowledge, Production & Income
Bhadrak	Algal Bio-fertilizer Production Technology	25	30	85	42	48	42000	48000	1. Area expanded (ha)-70ha 2. No. of farmers adopted (no.)- 26 3. % change in knowledge = 87.5% ,Production= 23.5 & Income = 23.7
Bhadrak	Integrated Nutrient Management in Rice	30	25	75	40	48	40000	48000	1. Area expanded (ha)-100ha 2.No. of farmers adopted (no.)- 26 3. % change in knowledge = 200 % ,Production= 20 & Income =20
Bhadrak	Efficient use of Fertilizers and manures	30	35	75	42	50	42000	50000	1. Area expanded (ha)- 2. No. of farmers adopted (no.) 3. % change in knowledge = 114.3 %, Production= 19 % & Income = 19 %
Bhadrak	Deficiency Symptoms of essential plant nutrients and their remedies.	15	40	80	40	46	40000	46000	1. Area expanded (ha)-50ha 2. No. of farmers adopted (no.)- 15 3. % change in knowledge = 100 %, Production= 13 & Income = 13
Bhadrak	Use of Bio-fertilizers in vegetable crops	30	20	65	180	220	90000	110000	1. Area expanded (ha)-40ha 2. No. of farmers adopted (no.)- 24 3. % change in knowledge = 225 %, Production= 22.2 & Income= 22.2
Bhadrak	Techniques of Vermicomposting	25	25	75	60	70	30000	35000	1. Area expanded (ha)-5ha 2. No. of farmers adopted (no.)- 22 3. % change in knowledge = 200 %, Production= 16.7 & Income= 288.9
Bhadrak	Management of Saline soils	30	30	70	15	20	36000	48000	1. Area expanded (ha)- 2. No. of farmers adopted (no.)- 3. % change in knowledge = 133.3 % ,Production= 33.3 & Income= 33.3
	Soil and Water testing for Pisciculture	30	30	65	15	30	105000	210000	1. Area expanded (ha)- 2. No. of farmers adopted (no.)- 3. % change in knowledge = 116.7 %, Production= 100 & Income= 100
Bhadrak	Water management in fruit crops	30	3	7	480	650	160000	200000	1. Area expanded (ha): 3 ha 2. No. of farmers adopted (no.): 40 3. % change in knowledge=133.3, production=35.4 & Income= 25

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Bhadrak	Package of practices for banana cultivation	30	4	8	420	500	140000	180000	1. Area expanded (ha): 4 ha 2. No. of farmers adopted (no.): 50 3. % change in knowledge=100, production =19 & Income= 28.6
Bhadrak	Vegetative propagation of commercial flowers	25	2	6	280	340	125000	175000	1. Area expanded (ha): 2 ha 2. No. of farmers adopted (no.): 30 3. % change in knowledge=200, production =21.4 & Income = 40
Bhadrak	Management of coconut garden	30	3	7	250	330	85000	120000	1. Area expanded (ha): 3 ha 2. No. of farmers adopted (no.): 40 3. % change in knowledge=133.3 ,Production =32 & Income=41.2
Bhadrak	Agrotechniques of papaya cultivation	30	5	8	350	550	180000	280000	1. Area expanded (ha): 5 ha 2. No. of farmers adopted (no.): 45 3. % change in knowledge=60, production =57.1 & Income=55.6
Bhadrak	Cultivation of leafy vegetables	30	5	8	120	180	70000	110000	1. Area expanded (ha): 4 ha 2. No. of farmers adopted (no.): 60 3. % change in knowledge=60, Production=50 & Income=57.1
Bhadrak	Agrotechniques of cucurbits	30	6	9	220	260	80000	120000	1. Area expanded (ha): 10 ha 2. No. of farmers adopted (no.): 80 3. % change in knowledge=50,Production=18.2 & Income= 50
Bhadrak	Production technology of exotic vegetable like broccoli	30	2	7	106	125	110000	140000	1. Area expanded (ha): 2 ha 2. No. of farmers adopted (no.): 15 3. % change in knowledge= 250, Production =17.9 & Income= 27.3
Bhadrak	Intercropping in coconut orchard	30	3	6	250	330	85000	120000	1. Area expanded (ha): 3 ha 2. No. of farmers adopted (no.): 40 3. % change in knowledge=100, Production=32 & Income=41.2
Bhadrak	Management of betelvine for better income generation	30	2	5	100	130	120000	150000	1. Area expanded (ha): 2 ha 2. No. of farmers adopted (no.): 10 3. % change in knowledge=150, Production=30 & Income=25
Bhadrak	Nursery raising of vegetable crops	15	3	8	220	300	120000	160000	1. Area expanded (ha): 4 ha 2. No. of farmers adopted (no.): 30 3. % change in knowledge=166.7, Production=36.4 & Income=33.3
Bhadrak	Commercial nursery management	25	2	8	100	180	120000	200000	1. Area expanded (ha): 2 ha 2. No. of farmers adopted (no.): 30 3. % change in knowledge=300, Production=80 & Income=66.7
Bhadrak	Yearling rearing for multiple cropping pattern of pisciculture	30	30	70	13	30	104000	240000	1. Area expanded (ha): 400 ha 2. No. of farmers adopted (no.): 302 3. % change in knowledge=133, Production=131 & Income=131
Bhadrak	Paddy straw mushroom cultivation	25	25	70	7.8	16.4	468000	984000	1. Area expanded (ha): 12.96 ha with 1,70,100bed 2. No. of farmers adopted (no.): 20 farm women 3. % change in knowledge=180, Production=150 & Income=150

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		Crop Stages
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	
				M	F	M	F	M	F			
Bhadrak	Field Day	25	11	375	80	65	18	10	0	Use of Clinar to control aquatic insects , Use of floating feed in grow out tank, use of yearlings in seasonal pond.		Pre stocking, Grow out stage, Harvesting
Bhadrak	Kisan Mela	2	2	248	30	25	40	30	5	Golden jubilee Regional farmers' fair, Technology dissemination , Developing farmers awarness		
Bhadrak	Kisan Ghosthi	4	2	20	32	6	4	6	2	Discussing about their problems & solution		
Bhadrak	Exhibition	2	2	190	40	35	17	10	3			
Bhadrak	Film Show	30	32	390	40	30	0	5	0	Training, Developing awareness	Agro techniques of papaya cultivation, Management of betelvine for better income generation, Nursery raising of vegetable crops, Commercial nursery management, Intercropping in coconut orchard, Water management in fruit crops, Package of practices for banana cultivation, Vegetative propagation of commercial flowers, Management of coconut garden, , Cultivation of	Before cultivation

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Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		Crop Stages
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	
				M	F	M	F	M	F			
											leafy vegetables, Agro techniques of cucurbits, Production technology of exotic vegetable like broccoli ,	
Bhadrak	Method Demonstrations	35	30	400	25	60	35	5	2	Training/OFT/FLDFLD & Demo on Training programme	Application of KMnO ₄ , Application floating fish feed in fish ponds. Cultivation of leafy vegetables, Agro techniques of cucurbits, Production technology of exotic vegetable like broccoli ,Mushroom cultivation(Paddy straw, Oyster mushroom), Value addition mushroom & Tomato, Poly house technology for paddy straw mushroom production, Nursery raising	Before cultivation
Bhadrak	Farmers Seminar	1	1	73	12	15	2	2	0			
Bhadrak	Workshop	1										
Bhadrak	Group meetings	8	26	302	40	20	20					
Bhadrak	Lectures delivered as resource persons	-	48	1052	308	273	132	70	1	Training In farmers &farmwomen training programme.	Management of Oil palm Mushroom cultivation for livelihood	
Bhadrak	Newspaper coverage	5	17									
Bhadrak	Radio talks	-	10	0	0	0	0	0	0		Application of hormone in vegetables, Question answer sessions(Palli Manch).	

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Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		Crop Stages
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	
				M	F	M	F	M	F			
Bhadrak	TV talks	-	22	0	0	0	0	0	0		Relay cropping in vegetables, IPDM in ginger cultivation, Crop Seminar-1, Pangas culture, commercial fish feeds, Alternatives to Organic manures, Summer fish seed rearing, Chemical control of Argulosis.	
Bhadrak	Popular articles	15	10	0	0	0	0	0	0	Empowerment of women.	Fish as Food, Argulosis and its control , Success story of a women SHG in pisciculture	
Bhadrak	Extension Literature	10	8	0	0	0	0	0	0		Relay cropping in vegetables. A farmers innovation, Summer rearing fish seed ,BIPM in vegetables, New generation pesticides, Booklet on rural aquaculture, Commercial mushroom cultivation	
Bhadrak	Advisory Services	-	12	90	12	28	5	0	0		Cultivation of fruits and vegetables	
Bhadrak	Scientific visit to farmers field	200	208	323	28	83	6	0	0	Fish disease problems, Pest and Disease Problem, Field visit, Mushroom cultivation, SHGs group meetings	Pest and Disease Management practices of rice fruits and vegetables	Fish rearing and grow out stage Tillering stage Bearing
Bhadrak	Farmers visit to KVK	2400	580	370	28	98	3	7	1	Soil and Water Testing, Vermicomposting Pest and Disease Problem Training, Mushroom cultivation &	Package of practices for banana cultivation, Vegetative propagation of commercial flowers, Nursery raising of vegetable crops	Tillering stage, P.I. Stage-, Fish rearing & grow out stages

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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			
										problems, Spawn purchasing & for other agro-advice.		
Bhadrak	Diagnostic visits	40	60	232	104	26	0	0	0		Scientific cultivation of fruits and vegetables	
Bhadrak	Exposure visits	2	1	20	5	7	5	4	1	Visit a commercial mushroom farm	Commercial mushroom cultivation	
Bhadrak	Ex-trainees Sammelan	2	2	30	4	6	14					
Bhadrak	Soil health Camp	3										
Bhadrak	Animal Health Camp	2										
Bhadrak	Agri mobile clinic	-										
Bhadrak	Soil test campaigns	4	12	440	88	104	20	0	0	Awareness about Soil testing	Soil Testing	
Bhadrak	Farm Science Club Conveners meet	1	1	52	5	7	1	0	0			
Bhadrak	Self Help Group Conveners meetings	2	1		30		2					
Bhadrak	Mahila Mandals Conveners meetings	1	1		28		7					
Bhadrak	Celebration of important days (World Food Day)	1	1	82	19	12	16					
Bhadrak	Celebration of important days (Women in Agriculture Day)	1	1	80	18	22	13	0	0			
Bhadrak	Celebration of important days (Akshaya Trutia)	1	1		170		5		4			

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

7.1 KVK Newsletters (SALANDI)

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Bhadrak	October 2007	Half yearly	500	500
Bhadrak	7 th Issue	Half yearly	500	450
Bhadrak	8 th Issue	Half yearly	500	400
Bhadrak	9 th Issue	Half yearly	500	400
Bhadrak	10 th Issue	Half yearly	500	500
Bhadrak	11 th Issue	Half yearly	500	500

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
Bhadrak				
Bhadrak				

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Bhadrak	DVD	Innovative Pisciculture	100
Bhadrak	DVD	Relay cropping in vegetables	100
Bhadrak	DVD	Mushroom Cultivation	100

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.)	Provided to No. of Farmers
Bhadrak	Cereals	Paddy	MTU-7029	SD	168.0	qtl	346080	
Bhadrak	Cereals	Paddy	Ranidhan	SD	30.00	qtl	57900	

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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.)	Provided to No. of Farmers
Bhadrak	Pulses							
Bhadrak	Fruits							
Bhadrak	Others	Mushroom Spawn	V. volvácea, V. diplasia, P.sajorcaju, P.eoas,P.eryngii, P.ostreous,P.flabellatus, Blue oyster, P.ptylus etc	PM	1341	Nos	14750	200
Bhadrak	Others	Mushroom	V. volvácea, V. diplasia, P.sajorcaju, P.eoas,P.eryngii, P.ostreous,P.flabellatus, Blue oyster, P.ptylus etc	SD	0.80	qtl.	4000	50

N.B.-Paddy Var. MTU-7029 & Ranidhan Stock in hand

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	
Bhadrak	Seedlings	Tomato				U.Kumari, U.Raja		6050		3050	
Bhadrak	Seedlings	Brinjal				U.Jyoti, Blue star, Tarini		4000		2000	
Bhadrak	Seedlings	Chilli				Utkal Ava, Agnirekha		11000		4400	
Bhadrak	Seedlings	Cabbage				Real ball, Rare ball		3500		1750	
Bhadrak	Seedlings	Cauliflower				Snow white		3200		1600	
Bhadrak	Seedlings	Knol-khol				Winner		2400		1200	
Bhadrak	Seedlings	Papaya				Red lady, CO-2		300		1500	

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	
Bhadrak	BIOAGENTS				
Bhadrak	BIOFERTILIZERS				
Bhadrak	BIO PESTICIDES				

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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	
Bhadrak	Cattle						
Bhadrak	Buffalo						
Bhadrak	Sheep and Goat						
Bhadrak	Poultry						
Bhadrak	Fisheries	IMC	Fish Seed (yearlings)	48000	38468.00	60000.00	Net Profit- Rs. 21532.00
Bhadrak	Others (Specify)						

9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO- Yes, If yes, then

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
Bhadrak	Soil Samples	850	400	40	2000
Bhadrak	Water Samples	160	100	15	500

*Out of 850 samples 450 nos are from FLD & OFT

10. Rainwater Harvesting- Not Applicable

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
Bhadrak										

11. Utilization of Farmers Hostel facilities- Not Applicable

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)
Bhadrak							

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
Bhadrak		2005	3 nos.	2 nos. since September-2010	Not in habitable condition

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bhadrak	07.07.2011	25	<ul style="list-style-type: none"> ➤ Organize more numbers of vocational trainings to cater the need of the farming community. ➤ Suitable technological modules for Crops like toria, sunflower and hybrid maize in the district ➤ Regularly organize inter-departmental meeting to discuss on the emerging problems the farmers of the district are confronting with by involving departments of agriculture and allied sector, irrigation, co-operatives etc.. ➤ The technical assistance for successful implementation of block demonstration on rice under RKVY/Second Green Revolution. ➤ Seed production programme of Elephant foot yam var. Gajendra should be carried out. ➤ Educate the farmers on the judicious use of rain water, water conservation and develop suitable crop plan. ➤ Develop a year round nutrient management module by incorporating various locally available materials. ➤ Emphasized on the promotion of hygienic dry fish preparation and packaging should be popularized an enterprising mode. ➤ Value addition of tomato and other seasonal vegetables during the surplus season. ➤ To promote mushroom spawn production through farmers club, introduce button mushroom production under semi-controlled condition ➤ Fodder production programme should be included ➤ Area and technology expansion of cucurbitaceous vegetables in districts should be made. ➤ Produce quality planting materials of fruits and ornamental crops. ➤ Emphasized to promote export value fresh water prawn. ➤ Spread the success stories of the flourishing farmers. ➤ Ensure large scale adoption of their endeavours, a special Agri-preneurs issue should be published

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

KVK Name	No. of messages sent	No. of beneficiary		Major recommendations
		Farmers	Ext. Pers.	
Bhadrak	73	13416	-	<ul style="list-style-type: none"> ➤ e-KrishiSandesh,KVK,Bhadrak:- Machha mananku "Kshata roga" kimba "Gha" hoithile Acre-metre pain 400ml CIFAX ausodha ku anyuna 40 balti pani re mishai plastic balti O mug dwara prayoga karantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Dhana phasalare thoda asiba samayare acre prati 20kg Urea sara ebong 12.5kg Potash sara pryaoga karantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Kharatia dhana roiba samaya re acre prati 35kg DAP, 13.5kg MOP ebong 10kg Zinc Sulphate sara prayoga karantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Bhendi ra sahebi roga pain 4litre panire 1ml Imidachlopid misai spray karantu. Mathia upre haladia ranga lagai ta upare greece lagai Eka Ekarare 8ta basantu. Matire ekara prati 2q Neem kimba Karanja pidai pakantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Dhana phasala re jibanu janita patra poda roga ra pratikara paini 1 liter pani prati 3g Cupper Oxy Chloride (Blitox 50) 'O' 1g Plantomycin ku misai patra sinchan karantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Dhana phasala re mula sadha roga ra nirakarana paini 1liter pani prati 2ml Contaf plus ba 2ml tilt ku spray karantu. ➤ e-KrishiSandesh,KVK,Bhadrak:- Polyhouse re palachhatu pakaiba banda karidiantu. Ghara kimba gachha chai tale pakiaba arambha karidiyantu.Pakaiba sthan ti ku bisodhana kari(Bleaching powder/gamaxine/formalin) bed prastuta karantu.

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
Bhadrak	ATMA	State	50000	Biloligcal control of Mustard Aphid	25ha	ATMA, Balasore
Bhadrak	ATMA,Bhadrak	State	50000	Printing of books on 'Rural aquaculture'and 'Commercial mushroom cultivation'	Bhadrak district	ATMA, Bhadrak
Bhadrak	NHM					
Bhadrak	RKVY	State	150000	Monitoring BGREI Programme	5000 ha	Bhadrak & Balasore District.
Bhadrak	DRDA					
Bhadrak	Zila Panchyat					
Bhadrak	Seed village					
Bhadrak	NAIP					
Bhadrak	Climate Change					
Bhadrak	Others (Plz. Specify)					

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Bhadrak	30530545584	189635.00	117844.00	117844.00

N.B.- OB as on 1.4.2011-Rs 1, 89,635/-, Sale Proceed for 2011-12 -Rs. 2, 29,976/-, Bank Interest- Rs. 4274/-, Total Income -Rs. 4,2319,611/-, Total Expenditure (1/4/11 to 31/3/12)= Rs. 3, 060,41/-, Net Balance as on 31.03.2012-Rs. 1,17,844/-

17. Awards & Recognitions

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

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

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

19. Details of KVK Agro-technological Park

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

20. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bhadrak	Prof. S.S.Nanda, Dean, Extension Education, OUAT	07.07.2011	6 th SAC Meeting
Bhadrak	R.L.Jamuda, Principal Secretary, Dept. of Agriculture, Govt. of Odisha	27.11.2011	Field visit on BGREI
Bhadrak	Prof. D.P.Ray, Hon'ble Vice-Chancellor,OUAT	07.01.2012	Golden Jubilee farmers' fair

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

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
Bhadrak	Gosthies			
Bhadrak	Lectures organized			
Bhadrak	Exhibition			
Bhadrak	Film show			
Bhadrak	Fair			
Bhadrak	Farm Visit			
Bhadrak	Diagnostic Practical's			
Bhadrak	Distribution of Literature (No.)			
Bhadrak	Distribution of Seed (q)			
Bhadrak	Distribution of Planting materials (No.)			
Bhadrak	Bio Product distribution (Kg)			
Bhadrak	Bio Fertilizers (q)			
Bhadrak	Distribution of fingerlings (No)			
Bhadrak	Distribution of Livestock specimen (No.)			
Bhadrak	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
Bhadrak	-	-	-
Bhadrak	-	-	-

Major area coverage under alternate crops/varieties

Mane of KVK	Crops	Area (ha)	Number of beneficiaries
Bhadrak	Oilseeds	-	-

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Bhadrak	Pulses	-	-
Bhadrak	Cereals	-	-
Bhadrak	Vegetable crops	-	-
Bhadrak	Tuber crops	-	-
Bhadrak	Fruits	-	-
Bhadrak	Spices	-	-
Bhadrak	Cotton	-	-
	Total	-	-

Farmers-scientists interaction on livestock management

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

Animal health camps organised

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

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

(e) Bio-Fertilizer

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

(f) Verms Produced

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Name of KVK	Verns Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Bhadrak	-	-	-	-

(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
Bhadrak	SRI	25.0	42

(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
Bhadrak	6	240	3	90	4	200	-	-	1	50	6	150

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

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) -**