

ANNUAL PROGRESS REPORT

April 2016 to March 2017

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Instructions for Filling the Format

1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.
2. Do not merge columns, rows.
3. Please repeat the name of KVK in each table in the column “Name of KVK”
4. Do not fill the non-numerical values in numeric field
5. Do not repeat the unit while reporting data as it is already mentioned in the heading row
6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit
7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)
8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”
9. Also read the instructions mentioned just below the table
10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format
11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.
12. Grey color cells in summary table need not to be filled.
13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
Fruits :- Mango, Guava, Custard apple, Pear etc.
Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2016 to March 2017
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2016-17

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	14	98	
	On Going OFT	1	7	
	Technologies assessed (Completed OFT)	11	77	
	Technologies refined	-	-	
	On farm trials conducted	12	84	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	12	120	
	On Going Frontline demonstrations	-	-	
	FLDs conducted on crops	11	110	
	Area under crops (ha.)	15	110	
	FLD on farm implement and tools	-	-	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	-	-	
	FLD on Fisheries - Finger lings	-	-	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	-	-	
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	25	25	625
	Farm women	-	-	-
	Rural youth	7	14	105
	Extension personnel/ In service	3	3	45
	Vocational trainings	3	12	45
	Sponsored Training	-	-	-
	Total	38	54	820
		No. of programmes	Participants	
4	Extension Programmes	601	17551	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	8.63	5 + Stock in hand	
	Planting material produced (nos.)	389407	116	
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	350	10	
7	Bio Products	Qty	Beneficiaries (nos.)	
	Bio Agents -Earth worm (Kg.)			

	Trichoderma (kg.)	-	-
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	111	1
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)		
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	1	1
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	9	9000
	KVK News letter	2	1000
	SAC Meetings conducted	1	30
	Soil sample tested	175	475
	Water sample tested	-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-
	KVK-KMA (Message and beneficiaries)	37	29365
	Convergence programmes	-	-
	Sponsored programmes	-	-
	KVK Progressive Farmers interaction	-	-
	No. of Technology Week Celebrations	1	50
	Attended HRD activities organized by ZPD	3	3
	Attended HRD activities organized by DES	3	3
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	-	-
9	Current status of Revolving Funds (Amt. in Rs.)		0
10		No. of blocks	No. of villages
	Outreach of KVK in the District	3	261
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	-	2 2
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	2
13		Application received	Application disposed
	Status of RTI (nos.)	-	-
14		Query received	Query dissolved
	Citizen Charter (nos.)	-	-
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	No	-
16		Filled	Vacant
	Staff Position	12	4
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)		2
18	Publication received from ICAR /other organization (nos.)		-
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	-	-

GENERAL INFORMATION

1.1. Staff Position (as on date :31.3.2017)

Summary of Staff position in KVK

Name of KVK	Sanctioned Posts	PC (1)		Scientist (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KVK, Boudh	16	01	01	6	3	03	02	6	6	16	12

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)
Boudh	Sr. Scientist & Head	S. Satapathy	Horticulture	MSc(Ag)	Horticulture	15600-39100 AGP -6000	18580	01-07-16	Temporary	Others
Boudh	Scientist 1	A.B Das	Agril. Extension	MSc(Ag)	Agril. Extension	15600-39100 AGP -6000	23950	25/06/12	Temporary	SC
Boudh	Scientist 2	B.P Giri	Horticulture	MSc(Ag)	Pomology	15600-39100 AGP -6000	23070	08/10/09	Temporary	Others
Boudh	Scientist 3	Ms J R Mallick	Entomology	MSc(Ag)	Entomology	15600-39100 AGP -6000	16250	05/01/16	Temporary	ST
Boudh	Scientist 4	Vacant	-	-	-	-	-	-	-	-
Boudh	Scientist 5	Vacant	-	-	-	-	-	-	-	-
Boudh	Scientist 6	Vacant	-	-	-	-	-	-	-	-
Boudh	Programme Assistant	Vacant	-	-	-	-	-	-	-	-
Boudh	Farm Manager	Harapriya Sethy	Horticulture	MSc (Ag)	Floriculture & Land Scalping	9300-34800 AGP- 4200	10130	03/02/15	Temporary	SC
Boudh	Computer Programmer	Md. Sadakat Ali	-	MA PGDCA	Computer PGDCA	9300-34800 AGP-4200	13980	28/12/10	Temporary	Others
Boudh	Accountant / superintendent	Trinath Pani	-	-	-	9300-34800 AGP-4600	14560	29/12/10	Temporary	Others

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)
Boudh	Stenographer	B. K. Behera	-	-	Stenography	5200- 20000 AGP -2400	7860	16/01/06	Temporary	SC
Boudh	Driver	T. Sahoo	-	-	-	5200-20200 AGP-1900	6860	07/09/15	Temporary	Others
Boudh	Driver	G.S.Choudhury	-	-	-	5200-20200 AGP-1900	6860	15/11/13	Temporary	Others
Boudh	Supporting staff	B. Baral	-	-	-	4440-14680 AGP-1300	6260	20/12/07	Temporary	Others
Boudh	Supporting staff	K. Samal	-	-	-	4440-14680 AGP-1300	6260	20/12/07	Temporary	Others

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

KVK Name	Agro-climatic zone	No of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Boudh	Western Central Table Land	3	63	441,162	72.51	160298	75922	1.06

Land utilization statistics of district Boudh during 2016

Item	Area in "000" ha
Geographical area	310
Forest	128
Trees and grooves	19
Permanent pastures	17
Cultivable waste	20
Land put to non-agriculture use	21
Barren and uncultivable land	12
Current fallow	4
Other fallow	4
Net area sown	85
Net irrigated area	40.96(K) and 12.69(R)

Gross irrigated area	53.51(K) and 3.55(R)
High land	55
Medium land	21
Low land	13
Population	000 Nos.
Male	221
Female	220
Total	441
SC	104
ST	55

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

S. No	Farming system/enterprise
1	Rice-Pulses
2.	Rice- Oilseeds
3	Rice –rice, rice-vegetables
4	Sugarcane
5	Cotton
6	Goatary, Diary

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

S. No	Agro-climatic Zone	Characteristics
1	Western Central Table Land	This zone spreads over 17190 sq kms accounting for 11.06% of the total geographical area fall between 20°9' to 22°11' N latitude and 82° 39' to 85°15' E longitude. The zone consist of 43 blocks of, Bargarh, Sonapur, Boudh, Bolangir & parts of Sambalpur & Jharsuguda district.

S. No	Agro ecological situation	Characteristics
1	Climate	Hot to sub humid with a mean maximum summer temperature 46° centigrade and mean winter temperature 12.4° centigrade.
2	Rainfall	1683 mm. annual

Soil type/s

S. No	Soil type	Characteristics	Area (ha)
1	Black soil	Clay loam	96100
2	Mixed red & black	Sandy clay loam	164300
3	Red soil	Sandy loam	49600

Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (000 ha)	Production (qt)	Productivity (qt/ha)
1	Paddy	70.98	2073127	27.31
2	Green gram	13.02	3734	4.92
3	Black gram	5.45	3380	4.50
4	Arhar	4.58	3350	7.32
5	Sesamum	4.11	1650	4.01
6	Onion	1.03	14640	142.10
7	Sugarcane	0.12	1744	725.48

Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
April	1623.1	46°C	10°C	19%
		-	-	-

Production and productivity of Livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
<i>Crossbred (No)</i>	13566	-	-
<i>Indigenous(No)</i>	163586	-	-
Buffalo(No)	17411	-	-
Sheep			
<i>Crossbred (No)</i>	183	-	-
<i>Indigenous (No)</i>	83987	-	-
Goats (No)	101660	-	-
Pigs			
<i>Crossbred</i>	0	-	-
<i>Indigenous (No)</i>	283	-	-

Category	Population	Production	Productivity
Rabbits		-	-
Poultry (No)	107953	-	-
Milk Production (2014-15) (000 MT)	-	22.13	-
<i>Egg (Mill No)</i>	-	13.59	-
<i>Meat (M.T)</i>	-	2368.65	-
Ducks		-	
Turkey and others		-	
Fish		-	
<i>Fresh water (in MT)</i>		5167.60	
<i>Inland</i>		5167.60	

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)
Boudh	Rampur	2014	Boudh	35	250	50
Boudh	Isirisinga	2010	Boudh	6	446	75
Boudh	Baghada	2011	Kantamal	90	300	49
Boudh	Palaspat	2015	Boudh	40	820	215
Boudh	Lambakani	2008	Harbhanga	10	252	37

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

KVK Name	THRUST AREA
Boudh	Crop diversification and varietal substitution
Boudh	Integrated Nutrient Management practices in crops
Boudh	Acid soil reclamation
Boudh	Integrated Pest & Disease Management
Boudh	Improving productivity of horticultural crops
Boudh	Farm mechanization, post-harvest and soil and water conservation
Boudh	Drudgery reduction
Boudh	Scientific management of Goatery, Apiary, Fishery & Dairy
Boudh	Organic farming
Boudh	Post-Harvest Management and Value Addition
Boudh	Soil and Water Conservation
Boudh	Organic farming-use of vermicompost, Azolla and biofertiliser

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Boudh	Improper Fertilizer Management	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block), Baghada (Kantamal block)
Boudh	High labour intensive crops and less profit	Field visit, PRA Survey and Group Discussion	Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block)
Boudh	Poor Commercial Horticulture	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block),Lambakani (Harbhanga Block), Baghada (Kantamal block)
Boudh	Low Productivity of Diary, Goatery, Poultry, Pisciculture	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga, Badagochapada (Boudh Block),
Boudh	Malnutrition	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block), Baghada (Kantamal block)
Boudh	Low family income	Field visit, PRA Survey and Group Discussion	Amthapada, ishrisinga (Boudh Block), (Harbhanga Block), Baghada (Kantamal block)
Boudh	Deforestation and less availability of fuel wood & fodder, Unscientific harvesting of non-timber forest products	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block)Baghada (Kantamal block)
Boudh	Unemployment and poverty of landless farmers	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block)
Boudh	Low yield of crops due to high incidence of pest & diseases	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block)
Boudh	Unutilized natural resource	Field visit, PRA Survey and Group Discussion	Amthapada, Ishrisinga (Boudh Block), Lambakani (Harbhanga Block), Baghada (Kantamal block)

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	Target (ha)	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)		
										Farmer practice T ₁	Rec. Tech T ₂	T ₃	T ₁	T ₂	T ₃
Boudh	Kharif 2016	Low yield potential of local variety	Assessment	Varietal evaluation	Pigeon pea	Rainfed	0.5	7	Assessment of Arhar varieties for rainfed upland	5.44	6.74	6.9	18280	24700	27050
Boudh	Kharif 2016	Low yield from Khandagiri due to inadequate moisture condition	Assessment	Varietal evaluation	Paddy	Irrigated /Medium land	0.5	7	Assessment of paddy varieties for rainfed upland	22.7	25.46	25.39	10650	13294	13196
Boudh	Rabi-2016-17	Cultivating green gram in Rice fallow without any seed treatment & manuring	Assessment	INM	Greengram	Rainfed	0.5	7	Assessment of INM practices in greengram for crop intensification	4.35	5.63	5.83	6100	15750	17550
Boudh	Kharif 2016	Low yield of paddy due to heavy weed infestation	Assessment	Weed management	Paddy	Irrigated	0.5	7	Assessment of Herbicides in transplanted Paddy	36.78	40.53	40.89	18700	21850	21900
Boudh	Kharif 2016	Low yield & poor bunch quality	Assessment	INM	Banana	Irrigated	0.25	7	Assessment of INM practices in Banana	369.42	472.14	448.71	375865	603434	534445
Boudh	Kharif 2016	Low yield of chili due to improper nutrient management	Assessment	INM	Chilli	Irrigated	0.5	7	Assessment of INM practices in chili	89.44	104.57	102.14	103990	141322	135247
Boudh	Kharif	Low yield due	Assessment	IPM	pigeon pea	Rainfed	0.5	7	Assessment of	6.2	7.6	7.8	14815	21740	23240

	2016	to pod borer infestation								integrated management of gram pod borer in pigeon pea							
Boudh	Rabi-2016-17	Low yield & high cost of manual weeding	Assessment	Weed management	Okra	Medium land	0.5	7	Assessment of weed management module in Okra	85.1	94.2	98.7	69812	88752	98104		
Boudh	Rabi-2016-17	Low yield due to less no. of female flower /plant	Assessment	ICM	Bitter gourd	Irrigated/ Medium land	0.5	7	Assessment of ethrel application in bitter gourd	94.2	109.7	105.4	85514	115674	107074		
Boudh	Rabi-2016-17	Low yield due to YMV	Assessment	IPM	Okra	Irrigated/ Medium land	0.5	7	Assessment of IPM modules for white flies in Okra	79.6	96.7	98.2	58900	90150	93089		
Boudh	Rabi-2016-17	Low yield due to heavy mite infestation	Assessment	Pest management	Brinjal	Medium land	0.5	7	Assessment of acaricide against red spider mite in Brinjal	194.3	246.7	235.2	66700	116300	105850		
Boudh	Rabi-2016-17	Low yield due to heavy infestation of thrips	Assessment	IPM	watermelon	Medium land	1.0	7	Assessment of IPM modules against thrips in watermelon	208.7	254.3	246.4	43880	62284	61269		

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)			
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Boudh	Assessment of Pigeon pea varieties for rain fed upland	Pods/plants	132	205	217	19800	20500	21300	38080	47200	48350	18280	24700	27050	1.92	2.3	2.26

Boudh	Assessment of paddy varieties for rainfed upland	tillers/hil 1 (no)	11	16	15	21150	22350	22350	31800	35644	35546	10650	13294	13196	1.5	1.59	1.59
Boudh	Assessment of INM practices in greengram for crop intensification	Pods/plant (no)	16	23	25	28750	29350	29150	34850	45100	46700	6100	15750	17550	1.21	1.53	1.6
Boudh	Assessment of Herbicides in transplanted Paddy	weed/m ² (no)	42	21	18	32800	30900	31350	51500	52750	53250	18700	21850	21900	1.57	1.7	1.7
Boudh	Assessment of INM practices in Banana	Bunch wt.(kg)	20.28	29.71	25.14	362975	340846	362975	738840	944280	897420	375865	603434	534445	2.03	2.77	2.47
Boudh	Assessment of INM practices in chili	fruits/plant (no.)	98.5	129.7	125.8	119585	120103	120103	223575	261425	255350	103990	141322	135247	1.86	2.17	2.12
Boudh	Assessment of integrated management of gram pod borer in pigeon pea	Infestation (%)	21.3	5.3	4.2	28585	31460	31360	43400	53200	54600	14815	21740	23240	1.51	1.69	1.74
Boudh	Assessment of weed management module in Okra	weeds/m ² (no.)	456.2	93.57	13.42	100388	99648	99296	170200	188400	197400	69812	88752	98104	1.6	1.8	1.9
Boudh	Assessment of ethrel application in bitter gourd	fruits/plant (no.)	229	323	286	102886	103726	103726	188400	219400	210800	85514	115674	107074	18	2.1	2.03
Boudh	Assessment of IPM modules for white flies in Okra	White flies/ leafs (no)	14.2	5.1	3.8	100300	103250	103311	159200	193400	196400	58900	90150	93089	1.58	1.97	1.9

Boudh	Assessment of acaricide against red spider mite in Brinjal	Mites/leaf (no)	26.4	3.8	5.1	127600	130400	129350	194300	246700	235200	66700	116300	105850	1.5	1.9	1.8
Boudh	Assessment of IPM modules against thrips in watermelon	Thrips/ tip of vine	12.3	4.7	5.2	60470	64866	61931	104350	127150	123200	43880	62284	61269	1.7	1.96	1.98

2.3 Information about Home Science OFT: NA

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Boudh	-	-	-	-	-	-	-	-	-	-	-

2.4 Economic Performance Home Science OFT: NA

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m ² /h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Boudh	Soil application of Azotobacter and Azospirillum in chilli resulted yield at par so reserch shoudh be carried out to appropriate biofertilizer combination in chilli
	Application of pendimethaline and quizolofop ethrel in okra control most of the weeds except cyperus rotundus so research is needed for control of such weeds in okra
	Application of ethrel in bitter gourd @ 200 & 250 PPM resulted at par yield so research is needed to find out the appropriate dose of ethrel in bitter gourd

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
Boudh	Groundnut	ICM	Demonstration of improved Groundnut cultivation	Kissanmela, FLD, Field day, Meeting, Extension bulletin	14	48	17
Boudh	Pigeonpea	ICM	Demonstration of improved Pigeonpea cultivation	Kissanmela, FLD, Field day, Meeting, Extension bulletin	26	76	45
Boudh	Wilt management in Brinjal	IDM	Seedling root dip treatment (Carbendazim 20 gm + Streptocyclin 1 gm in 10 lit) + soil application of <i>T. viridae</i> and <i>P. fluroscence</i> each @ 5 kg/ ha with FYM at 21 days of transplanting	Kissanmela, FLD, Field day, Meeting, Extension bulletin	17	56	24
Boudh	Watermelon	INM	FYM = 20 ton /ha, soil application of Borax @ 10 kg /ha along with RDF NPK @200:100:100 kg /ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	6	32	21
Boudh	Paddy	Varietal evaluation	Variety: Sahabhazi dhan ,seed @ 75 kg/ha , NPK 60:30:30 kg/ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	15	54	55
Boudh	Spodoptera management in Watermelon	IPM	Use of pheromone trap @ 20 trap/ha and alternate spraying of BT 1 kg/ha and Cypermethrin 25 EC 500 ml/ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	7	34	26
Boudh	IMC	Production management	Demonstration of grow out culture of yearlings of IMC	Kissanmela, FLD, Field day, Meeting, Extension bulletin	6	10	4
Boudh	IMC, Exotic carps	Production management	Demonstration of exotic carps with IMC in poly culture	Kissanmela, FLD, Field day, Meeting, Extension bulletin	5	5	1.5
Boudh	Mustard	ICM	M-27 + NPK @ 30:20:15kg/ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	6	16	5
Boudh	Greengram	ICM	TARM-1 + NPK @ 20:40:20kg/ha & need based plant protection measures	Kissanmela, FLD, Field day, Meeting, Extension bulletin	41	410	205
Boudh	Chickpea	ICM	JAKI -9218 + NPK @ 10:25:0 kg/ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	13	46	23
Boudh	Tomato	INM	Soil application of Azotobacter & PSB each @ 5 kg/ha,75 % of RDF & foliar application of multi micronutrient @2 ml/lt.	Kissanmela, FLD, Field day, Meeting, Extension bulletin	8	36	15
Boudh	Onion	INM	Application of 110:40:60:40 kg NPKS + Azospirillum & PSB each @ 5 kg/ha	Kissanmela, FLD, Field day, Meeting, Extension bulletin	15	80	21

Note-

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

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

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

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

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 Enterprises	Results (q/ha)		% change	No. of farmers				
							Demon s	Check		SC	ST	OBC	Other s	Total
Boudh	Varietal evaluation	Paddy	Kharif-2016	Variety: Sahabhagi dhan ,seed @ 75 kg/ha , NPK 60:30:30 kg/ha	2.0	Sahabhagi dhan	32.8	26.5	23.77			10		10
Boudh	INM	Paddy	Kharif-2016	Green manuring of Dhaincha @ 25 kg / ha, application of Azospirillum, PSB & 75 % N, P ₂ O ₅ & full K ₂ O	2.0	Pooja	29.5	22.6	28.5			10		10
Boudh	Varietal evaluation	Paddy	Kharif-2016	Hybrid paddy Rajalaxmi, Seed rate 15 kg/ha NPK 120:60:60 kg/ha, 130 days duration ave. Yield 50-58 qt/ha	2.0	Rajalaxmi	48.6	33.5	47.6			10		10
Boudh	Varietal evaluation	Onion	Kharif-2016	Cultivation of Onion var.- Bhima Super A red onion variety, average yield of 20 - 22 t/ha in <i>kharif</i> and 25- 27 t/ha in late <i>kharif</i> . Bulbs attain maturity within 100-105 days after transplanting (DAT) in <i>kharif</i> and 110-120 DAT in late <i>kharif</i> .	1.0	Bhima super	209.7	184.3	13.7			10		10
Boudh	IPM	Brinjal	Kharif-2016	Seed treatment with Vitavax power @ 1gm/kg, spraying of Thiophenate methyl @ 1.5gm/lit.	2.0	Utkal Anushree	259.8	213.7	21.57			10		10

Boudh	IPM	Cauliflower	Rabi-2016-17	Use of Pheromone traps Alternate Application of Bt @ 1 kg/ha & Cypermethrin @ 1 lit/ha	1.0	Megha	209.6	178.2	17.62			10		10
Boudh	IPM	Brinjal	Rabi-2016-17	Soil application of Neem cake @ 250 kg/ha, release of T. chilonis @ 50000/ha 6 times & alternate spray of neem oil @ 2.5 lit/ha & Emamectin benzoate 5 SG @ 0.4 gm/lit of water.	1.0	JK-8031	261.7	212.4	23.21			10		10
Boudh	Weed management	Onion	Rabi-2016-17	Demonstration on application of herbicide in onion	1.0	N-53	238.8	207.9	14.86			10		10
Boudh	ICM	Watermelon	Rabi-2016-17	Demonstration on transplanting technique in watermelon	2.0	Sugar baby	244.6	213.8	14.4			10		10
Boudh	IPM	Onion	Rabi-2016-17	Demonstration on management of thrips in onion	1.0	N-53	246.3	190.6	29.22			10		10
Boudh	IPM	Paddy	Rabi-2016-17	Demonstration on management of stem borer in paddy	2.0	Lalata	40.3	34.6	16.47			10		10
Boudh	ICM	Greengram	Rabi-2016-17	Var.TARM-1 with recommended package of practices	56.0	TARM-1	6.7	5.3	26.41			140		140
Boudh	ICM	Mustard	Rabi-2016-17	Var. M-27 with recommended package of practices	8.0	M-27	6.2	5.2	19.23			20		20
Boudh	ICM	Sesamum	Rabi-2016-17	Var. Uma with recommended package of practices	17.0	Uma	6.12	4.9	25			42		42

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Boudh	Variety: Sahabhazi dhan, seed @ 75 kg/ha, NPK 60:30:30 kg/ha	Paddy	grains/panicle (no)	207	244	19500	21850	28900	35600	9400	13450	1.48	1.62

Boudh	Green manuring of Dhaincha @ 25 kg / ha, application of Azospirillum, PSB & 75 % N, P ₂ O ₅ & full K ₂ O	Paddy	no of tiller/hill	7	10	18750	20800	27500	34500	8750	13700	1.46	1.65
Boudh	Hybrid paddy Rajalaxmi, Seed rate 15 kg/ha NPK 120:60:60 kg/ha, 130 days duration ave. Yield 50-58 qt/ha	Paddy	grains/panicle (no)	254	302	25500	29350	39850	53250	14350	23900	1.56	1.81
Boudh	Cultivation of Onion var.- Bhima Super A red onion variety, average yield of 20 - 22 t/ha in <i>kharif</i> and 25- 27 t/ha in late <i>kharif</i> . Bulbs attain maturity within 100-105 days after transplanting (DAT) in <i>kharif</i> and 110-120 DAT in late <i>kharif</i> .	Onion	bulb wt.(gm)	143.8	176.1	104500	106500	276450	314550	171950	208050	2.6	2.95
Boudh	Seed treatment with Vitavax power @ 1gm/kg, spraying of Thiophenate methyl @ 1.5gm/lit.	Brinjal	Inflection (%)	28.3	5.1	127600	132310	213700	259800	86100	127490	1.67	1.96

Boudh	Use of Pheromone traps , Alternate Application of Bt @ 1 kg/ha & Cypermethrin @ 1 lit/ha	Cauliflower	Infestation (%)	32.9	4.8	69965	72985	178200	209600	108235	136615	2.54	2.87
Boudh	Soil application of Neem cake @ 250 kg/ha, release of T. chilonis @ 50000/ha 6 times & alternate spray of neem oil @ 2.5 lit/ha & Emamectin benzoate 5 SG @ 0.4 gm/lit of water.	Brinjal	Infestation (%)	22.4	5.1	127600	137005	212400	261700	84800	124695	1.66	1.91
Boudh	Demonstration on application of herbicide in onion	Onion	weeds m2 (no)	501.3	94.6	96690	89879	207900	238800	111210	148921	2.15	2.65
Boudh	Demonstration on transplanting technique in watermelon	Watermelon	Plant mortality (%)	20.1	6.3	60470	62370	117590	134530	57120	72160	1.9	2.15
Boudh	Demonstration on management of thrips in onion	Onion	Thrips/plant (no)	28.4	5.8	96690	106415	197600	246300	100910	139885	2.04	2.31
Boudh	Demonstration on management of stem borer in paddy	Paddy	Dead heart (%)	10.4	3.2	33612	35452	47040	56420	13428	20968	1.39	1.59
Boudh	Var.TARM-1 with recommended package of practices	Greengram				27650	20220	37100	46900	9450	17700	1.34	1.6

Boudh	Var. M-27 with recommended package of practices	Mustard					12500	13600	23050	29450	10550	15850	1.84	2.16
Boudh	Var. Uma with recommended package of practices	Sesamum					12500	13600	22050	27450	9550	13850	1.76	2.01

3.4 Information about Home Science FLDs: NA

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Boudh	-	-	-	-	-	-	-	-	-	-

3.5 Economic Performance Home Science FLDs: NA

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2				
Boudh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Boudh	Groundnut	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			

Boudh		Training for extension functionaries			
Boudh	Pigeon pea	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Brinjal	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Watermelon	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Paddy	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	IPM Watermelom	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Fishery	Field days			
Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Mustard	Field days	1	50	
Boudh		Farmers Training			
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Green gram	Field days	2	100	
Boudh		Farmers Training			
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Chickpea	Field days	1	50	
Boudh		Farmers Training			
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Tomato	Field days			

Boudh		Farmers Training	1	25	
Boudh		Media coverage			
Boudh		Training for extension functionaries			
Boudh	Onion	Field days			-
Boudh		Farmers Training	1	25	-
Boudh		Media coverage	-	-	-
Boudh		Training for extension functionaries	-	-	-

3.7 Details of FLD on crop hybrids. NA

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Boudh	Cultivation of Sahavagi dhan in rainfed upland witnessed more drought tolerance resulting higher yield than farmers varieties	Farmers discussion, experience sharing	Benefited and appreciated	Accepted for future adoption
Boudh	Green manuring in paddy resulted better growth & higher yield in paddy	Farmers discussion, experience sharing	Benefited and appreciated	Accepted for future adoption
Boudh	Cultivation of hybrid paddy Rajalaxmi resulted more yield than commercial hybrid	Farmers discussion, experience sharing	Benefited and appreciated	Accepted for future adoption

Boudh	Cultivation of Onion var. Bhima Super in kharif season ensured higher income to farmer from upland	Farmers discussion, experience sharing	Benefited and appreciated	Accepted for future adoption
Boudh	Pre emergence application of pendimethaline in Onion control most of the weeds resulting better initial plant growth & reducing cost of cultivation	Farmers discussion, experience sharing	Benefited and appreciated	Accepted for future adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Boudh	Kharif onion var. Bhima Super has vary low keeping quality so research attention needs to be drawn for increasing keeping quality of kharif onin
Boudh	Pre emergence of application of pendimethaline in onion unable to control cyperus rotundus so research attention needs to be given to control such weeds

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
Boudh	F/FW	Group Discussion, Experience Sharing	24.05.16/ Palaspat	25
Boudh	F/FW	Group Discussion, Experience Sharing	28.06.16/ Rampur	25
Boudh	F/FW	Group Discussion, Experience Sharing	25.07.16/ Dapala	25
Boudh	F/FW	Group Discussion, Experience Sharing	29.08.16/ Khandahota	25
Boudh	F/FW	Group Discussion, Experience Sharing	24.9.16/ Erda	25
Boudh	F/FW	Group Discussion, Experience Sharing	7.10.16/ Rampur	25
Boudh	F/FW	Group Discussion, Experience Sharing	6.12.16/ Isirisinga	25
Boudh	F/FW	Group Discussion, Experience Sharing	27.2.16/ Brahmachari	25
Boudh	RY	Group Discussion, Experience Sharing	14.03.17/Erda	15
Boudh	Vocational	Group Discussion, Experience Sharing	18.03.17/Kanakpura	15

Boudh	F/FW	Group Discussion, Experience Sharing	17.03.17/Polam	25
Boudh	RY	Group Discussion, Experience Sharing	18.03.17/Chataniakata	15
Boudh	F/FW	Group Discussion, Experience Sharing	29.03.17/Badhigaon	25
Boudh	F/FW	Group Discussion, Experience Sharing	20.05.16/Palaspal	25
Boudh	F/FW	Group Discussion, Experience Sharing	16.06.16/ Rampur	25
Boudh	F/FW	Group Discussion, Experience Sharing	04.07.16/ Dapalla	25
Boudh	F/FW	Group Discussion, Experience Sharing	09.08.16/Khandahota	25
Boudh	F/FW	Group Discussion, Experience Sharing	07.10.16/Rampur	25
Boudh	RY	Group Discussion, Experience Sharing	18.12.16/KVK campus	15
Boudh	RY	Group Discussion, Experience Sharing	08.01.17/KVK campus	15
Boudh	F/FW	Group Discussion, Experience Sharing	21.02.17/ Brahmchari	25
Boudh	F/FW	Group Discussion, Experience Sharing	24.03.17/Baghiapada	25
Boudh	Vocational	Group Discussion, Experience Sharing	25.03.17/KVK campus	15

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants

HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Boudh	F/FW	OFC	CRP	Research conservation technology in rice	1	1	1	0	2	0	0	0	22	0
Boudh	F/FW	OFC	CRP	Indicative crop management practices for soil fertility and crop productivity	1	1	0	0	4	0	0	0	21	0
Boudh	F/FW	OFC	CBD	Safety operation and maintenance of low cost farm implements	1	1	0	0	2	0	7	0	16	0

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Boudh	F/FW	OFC	CBD	Livelihood security for small and marginal farmers	1	1	0	0	0	0	25	0	0	0
Boudh	F/FW	OFC	CBD	Production technology of minor millets	1	1	1	0	22	0	0	0	2	0
Boudh	F/FW	OFC	CBD	Safe use of insecticide	1	1	0	0	1	0	0	0	24	0
Boudh	RY	ONC	CBD	Sustenance of rural youth through livelihood practices	1	2	0	0	7	0	1	0	7	0
Boudh	RY	ONC	CBD	Income generating activity	1	2	0	2	3	1	0	0	7	2
Boudh	RY	ONC	CBD	Entrepreneurship development	1	2	1	0	4	1	0	0	9	0
Boudh	F/FW	OFC	HOV	soil solarization & nursery bed preparation	1	1	0	0	0	0	0	0	25	0
Boudh	F/FW	OFC	HOF	INM in Banana	1	1	0	0	1	0	0	0	24	0
Boudh	F/FW	OFC	HOV	Offseason vegetable cultivation	1	1	2	2	2	0	1	0	20	0
Boudh	F/FW	OFC	HOF	Intercropping in fruit orchard	1	1	1	0	1	0	1	0	22	0
Boudh	F/FW	ONC	HOV	Production technology of Kharif onion	1	1	0	0	1	0	0	0	24	0
Boudh	F/FW	OFC	HOV	INM practices in solanaceous vegetable	1	1	0	0	0	0	0	0	25	0
Boudh	F/FW	OFC	HOV	INM practices in cole crops	1	1	2	0	1	0	0	0	22	0
Boudh	F/FW	ONC	HOV	use of plant growth regulator in vegetable	1	1	0	0	4	0	1	0	20	0
Boudh	F/FW	OFC	HOV	Production technology of annual cucurbits	1	1	2	0	5	0	0	0	18	0
Boudh	F/FW	OFC	HOF	Water management in fruit crops	1	1	0	0	11	0	14	0	0	0
Boudh	RY	ONC	HOV	Nursery raising of vegetable crops	1	2	2	0	1	0	1	0	11	0
Boudh	RY	ONC	HOV	Production of off season vegetable	1	2	0	0	0	0	0	0	15	0
Boudh	IS	OFC	HOV	Physiological disorder of vegetable.	1	1	2	0	1	1	1	0	10	0
Boudh	F/FW	OFC	PLP	Cultural practices in pest and diseases management	1	1	2	0	3	0	0	0	20	0
Boudh	F/FW	OFC	PLP	Insect pest management in brinjal.	1	1	1	0	0	0	0	0	24	0
Boudh	F/FW	OFC	PLP	Disease management in vegetable nursery	1	1	0	0	0	0	2	0	23	0
Boudh	F/FW	ONC	PLP	Insect pest management in rice.	1	1	0	0	0	0	2	0	23	0
Boudh	F/FW	OFC	PLP	Soil borne diseases in vegetables.	1	1	2	0	0	0	0	0	23	0
Boudh	F/FW	OFC	PLP	IPM in cucurbits.	1	1	0	0	2	0	0	0	23	0
Boudh	F/FW	OFC	PLP	Soil and seed treatment for healthy nursery	1	1	2	0	0	0	0	0	23	0

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Boudh	F/FW	OFC	PLP	IDM in Summer vegetables	1	1	0	0	2	0	0	0	23	0
Boudh	RY	ONC	PLP	Preparation of spray solution and spraying method.	1	2	0	0	0	0	0	0	15	0
Boudh	RY	ONC	PLP	Repairing and maintenance of sprayers and spraying equipments	1	2	0	0	0	0	0	0	15	0
Boudh	IS	OFC	PLP	Biological control measure of pest & disease	1	1	2	1	3	0	2	0	7	0

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Boudh	Vermicompost making and business prospects	Vermi composting	Resource management	4	0	1	1	1	0	0	9	3
Boudh	Quality planting material production in fruit crops	Planting material production	Commercial horticulture	4	2	0	1	0	0	0	12	0
Boudh	Bee keeping	Bee keeping	Scientific management of apiary	4	2	1	3	0	2	0	7	0

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

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

Table 5.4. Sponsored Training Programmes: NA

Name of KVK	Title	Thematic area (as given in	Sub-theme (as per	Client (FW/	Duration	No. of courses	No. of Participants			Sponsoring Agency	Fund received for training (Rs.)
							Others	SC	ST		

		abbreviation table)	column no 5 of Table T1)	RY/IS)	(days)		M	F	M	F	M	F		
Boudh	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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/R Y/IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Boudh	Research conservation technology in rice	25	30	50	0	0	0	0	1. Area expanded (ha) =12 2. No. of farmers adopted (no.) =19 3. % change in knowledge = 66 production & Income
Boudh	Integrated crop management practices for soil fertility and crop productivity	25	20	35	0	0	0	0	1. Area expanded (ha) = 5 2. No. of farmers adopted (no.) = 12 3. % change in knowledge = 75 production & Income
Boudh	Safety operation and maintenance of low cost farm implements	25	15	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) =8 3. % change in knowledge = 76 production & Income
Boudh	Livelihood security for small and marginal farmers	25	20	45	0	0	0	0	1. Area expanded (ha) = 5 2. No. of farmers adopted (no.) =12 3. % change in knowledge =80 production & Income

Boudh	Production technology of minor millets	25	20	30	0	0	0	0	1. Area expanded (ha) = 2 2. No. of farmers adopted (no.) = 8 3. % change in knowledge = 50 production & Income
Boudh	Safe use of insecticide	25	15	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 18 3. % change in knowledge = 75 production & Income
Boudh	Sustenance of rural youth through livelihood practices	15	15	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 13 3. % change in knowledge = 75 production & Income
Boudh	Income generating activity	15	30	45	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 9 3. % change in knowledge = 50 production & Income
Boudh	Entrepreneurship development	15	20	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 6 3. % change in knowledge = 75 production & Income
Boudh	Vermicompost making and business prospects	15	10	25	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 2 3. % change in knowledge = 66 production & Income
Boudh	soil solarization & nursery bed preparation	25	20	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 14 3. % change in knowledge = 75 production & Income
Boudh	INM in Banana	25	30	50	0	0	0	0	1. Area expanded (ha) = 1 2. No. of farmers adopted (no.) = 8 3. % change in knowledge = 66.66 production & Income

Boudh	Offseason vegetable cultivation	25	15	40	0	0	0	0	1. Area expanded (ha) = 0.5 2. No. of farmers adopted (no.) = 6 3. % change in knowledge = 60 production & Income
Boudh	Intercropping in fruit orchard	25	20	35	0	0	0	0	1. Area expanded (ha) = 1 2. No. of farmers adopted (no.) = 8 3. % change in knowledge = 75 production & Income
Boudh	Production technology of Kharif onion	25	15	25	0	0	0	0	1. Area expanded (ha) = 0.5 2. No. of farmers adopted (no.) = 4 3. % change in knowledge = 66.66 production & Income
Boudh	INM practices in solanaceous vegetable	25	35	60	0	0	0	0	1. Area expanded (ha) = 4 2. No. of farmers adopted (no.) = 15 3. % change in knowledge = 71.4 production & Income
Boudh	INM practices in cole crops	25	25	40	0	0	0	0	1. Area expanded (ha) = 2 2. No. of farmers adopted (no.) = 6 3. % change in knowledge = 60 production & Income
Boudh	Use of plant growth regulator in vegetable	25	20	35	0	0	0	0	1. Area expanded (ha) = 4 2. No. of farmers adopted (no.) = 15 3. % change in knowledge = 75 production & Income
Boudh	Production technology of annual cucurbits	25	40	65	0	0	0	0	1. Area expanded (ha) = 9 2. No. of farmers adopted (no.) = 18 3. % change in knowledge = 62.5 production & Income
Boudh	Water management in fruit crops	25	25	40	0	0	0	0	1. Area expanded (ha) = 1 2. No. of farmers adopted (no.) = 2 3. % change in knowledge = 60 production & Income

Boudh	Nursery raising of vegetable crops	15	20	35	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 7 3. % change in knowledge = 75 production & Income
Boudh	Production of off season vegetable	15	15	25	0	0	0	0	1. Area expanded (ha) = 0.5 2. No. of farmers adopted (no.) = 4 3. % change in knowledge = 66.66 production & Income
Boudh	Quality planting material production in fruit crops	15	25	45	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 4 3. % change in knowledge = 80 production & Income
Boudh	Physiological disorder of vegetable.	15	25	45	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge = 60 production & Income
Boudh	Cultural practices in pest and diseases management	25	35	60	0	0	0	0	1. Area expanded (ha) = 12 2. No. of farmers adopted (no.) = 17 3. % change in knowledge = 71.42 production & Income
Boudh	Insect pest management in brinjal.	25	40	65	0	0	0	0	1. Area expanded (ha) = 5 2. No. of farmers adopted (no.) = 16 3. % change in knowledge = 62.5 production & Income
Boudh	Disease management in vegetable nursery	25	25	45	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 9 3. % change in knowledge = 80 production & Income
Boudh	Insect pest management in rice.	25	45	70	0	0	0	0	1. Area expanded (ha) = 13 2. No. of farmers adopted (no.) = 23 3. % change in knowledge = 55.55 production & Income

Boudh	Soil borne diseases in vegetables.	25	30	50	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 7 3. % change in knowledge = 66.66 production & Income
Boudh	IPM in cucurbits.	25	35	60	0	0	0	0	1. Area expanded (ha) = 12 2. No. of farmers adopted (no.) = 18 3. % change in knowledge = 71.42 production & Income
Boudh	Soil and seed treatment for healthy nursery	25	30	50	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 15 3. % change in knowledge = 66.66 production & Income
Boudh	IDM in Summer vegetables	25	25	45	0	0	0	0	1. Area expanded (ha) = 3 2. No. of farmers adopted (no.) = 10 3. % change in knowledge = 80 production & Income
Boudh	Preparation of spray solution and spraying method.	15	30	50	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 5 3. % change in knowledge = 66.66 production & Income
Boudh	Repairing and maintenance of sprayers and spraying equipments	15	15	25	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 3 3. % change in knowledge = 66.66 production & Income
Boudh	Bee keeping	15	10	25	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) = 2 3. % change in knowledge = 66.66 production & Income
Boudh	Biological control measure of pest & disease	15	25	40	0	0	0	0	1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge = 60 production & Income

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	Topics	Crop Stages
				M	F	M	F	M	F			
Boudh	Field Day	14	6	1880	120	75	25	17	8	Transfer of technology	Deworming of kids, Mushroom, Herbicide application, kharif onion etc.	Harvesting
Boudh	Kisan Mela	2	2	565	45	54	36	12	2	Transfer of technology	Bee keeping	
Boudh	Kisan Ghosthi	2	0									
Boudh	Exhibition	5	5	4805	285	480	130	27	13	Transfer of technology	Value addition, Hitech horticulture	
Boudh	Film Show	36	27	565	25	12	3	6	2	Transfer of technology	-	
Boudh	Method Demonstrations	14	1	59		6		4	1			
Boudh	Farmers Seminar	2	0									
Boudh	Workshop	2	0									
Boudh	Group meetings	40	8	167		23				Need assessment of training	-	-
Boudh	Lectures delivered as resource persons	10	17	192	19	13	6	17	4			
Boudh	Newspaper coverage	5	13							Mass diffusion of technology		
Boudh	Radio talks	4	0									
Boudh	TV talks	2	0									
Boudh	Popular Articles	8	0									
Boudh	Extension Literature	6	7	6493	275	213	19	16	3			
Boudh	Farm Advisory Services	12	0									

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			
Boudh	Scientific visit to farmers field	180	146	340		17		9	2	Transfer of technology		Showing , flowering, fruiting, harvesting stage
Boudh	Farmers Visit to KVK	350	365	342		36				Control measure for disease pest incidence		
Boudh	Diagnostic Visits	15								Pest disease incidence		
Boudh	Exposure Visits	1	3	25						To expose with recent advancement in Agril. technology		
Boudh	Ex-trainees Sammelan	2										
Boudh	Soil Health Camp	2										
Boudh	Animal Health Camp	1									Deworming of kids	
Boudh	Agri Mobile Clinic	0										
Boudh	Soil Testing Campaign	1								Celebration of international soil day		
Boudh	Farm Science Club conveners meet	4										
Boudh	Self Help Group conveners meetings	4										
Boudh	Special day celebration	3	1	38		12		7	1	Creation of awareness	Akshya trutiya, women in agriculture day	

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

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Boudh	22.4.2016	Quarterly	500	500
Boudh	28.10.2016	Quarterly	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Boudh	Booklet	Agrotechniques of Bnanan & Papaya cultivation	S. Satpathy & B.Giri	1000
Boudh	Booklet	Pests & diseases management in some fruit & vegetable crops	S. Satpathy, B.Giri & J. R. Mallick	1000
Boudh	Booklet	Important diseases of rice & their management	S. Satpathy & J. R. Mallick	1000
Boudh	Booklet	Agrotechniques of Green gram & Black gram cultivation	S. Satpathy & A.B. Das	2000
Boudh	Booklet	Soil testing & acid soil management	S. Satpathy & B.Giri	1000
Boudh	Booklet	Integrated pest & disease management in Oilseeds	S. Satpathy J. R. Mallick & A.B. Das	1000
Boudh	Booklet	Agrotechniques of Sesamum cultivation	S. Satpathy & A.B. Das	1000

7.3 Details of Electronic Media Produced: NA

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

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Boudh	Pulses	Pigeon pea	Asha	7.7(unprocessed)	83, 720	stock in hand	51
Boudh	Pulses	Green gram	TARM-1	0.53	3,710	5	2
Boudh	Green manuring	Dhanicha	local	0.4	1,600	stock in hand	0.6

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.)
Boudh	vegetable seedlings	Brinjal	JK-8031	1,900	3,800	12	0.05
Boudh		Chilli	Pusa jwala	1,325	2,650	8	0.01
Boudh		Tomato	Laxmi	600	1,200	5	0.01
Boudh		Drumstick	PKM-1	52	780	10	0.02
Boudh		Cauliflower	Megha	2,000	4,000	13	0.04
Boudh		Cabbage	Harekrishna	1,500	3,000	11	0.03
Boudh	Corm	Colocasia	Muktakeshi	120 kg	3,600	stock in hand	0.06
Boudh		Elephant foot yam	Gajendra	60 kg	1,800	3	0.03
Boudh		Onion	Bhima super	3,82,000	19,100	20	0.57
Boudh	Fruit saplings	Papaya	Red lady	130	2,600	14	0.05
Boudh		Mango	Amrapali	80	2,800	20	0.8

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

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Boudh	Bio Agents	-	-	-	-	-	-
Boudh	Bio Agents	-	-	-	-	-	-
Boudh	Bio Fertilizer	Vermicompost	111		1,110	1	0.5
Boudh	Bio Fertilizer	-	-	-	-	-	-

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Boudh	Poultry chicks	Rain booster	chicks	350 nos.	21,000	10
Boudh	Mushroom	paddy straw	mushroom	10 kg	1000	10

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Boudh	Mridaparikshaka	2016		175	475	19		475

9.2 Details of water samples analyzed so far : NA

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
	-	-	-	-	--	-	-	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: NA

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
Boudh	-	-	-		-	-	-	-	-	-
Boudh	-	-								

11. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)
Boudh	March	2017	Vermicompost making and business prospects	4	15	4		16
Boudh	March	2017	Quality planting material production in fruit crops	4	15	4		16

Boudh	March	2017	Bee keeping	4	15	4		16
Boudh	Dec	2017	Nursery raising of vegetable crops	2	15	2		16
Boudh	Jan	2017	Production of off season vegetable	2	15	2		16
Boudh	March	2017	Preparation of spray solution and spraying method.	2	15	2		16
Boudh	March	2017	Repairing and maintenance of sprayers and spraying equipments	2	15	2		16

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
Boudh	2011-12	2012	6	Nil	-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Boudh	07.12.2016	30	<ul style="list-style-type: none"> ➤ Popularization of variety released by OUAT & ICAR institute in odisha. ➤ Assessment of recently released (not more than 10 years) variety of crop. ➤ Conducting more no of scientist visit to farmers field and diagnostic visit. ➤ Extending KVK activities to all blocks. ➤ Linkage & convergence among all line dept. ➤ Demonstration on Technologies for banana & oil palm cultivation. ➤ Demonstration on hybrid vegetable cultivation ➤ Providing technical support to farmers club ➤ Facilitation for formation of farmers club

			<ul style="list-style-type: none"> ➤ Developing suitable cropping system for targeting rice fallow in Boudh district. ➤ Evaluation of cold resistant of greengram ➤ KVK-ATMA Convergence. ➤ Evaluation of drought resistant paddy variety ➤ Popularization of alternate crop in drought prone area. ➤ Crop diversification in rainfed upland. ➤ Popularization of use of bio fertilizer, vermicopost & neem cake. ➤ Creation of awareness among farmers for INM. ➤ Conducting vocational training for unemployed rural youth. ➤ Encouragement for participation of women in agriculture. ➤ Vaccination & supply of chicks to farmers ➤ Conservation of local germoplasom of green gram & black gram. ➤ Documentation of success stories of awardees farmer.
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14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Boudh	37	29365	345	Farmers Portal	ICM, IPM, IDM, value addition, Farm forestry, farm mechanization, availability of seedling & sapling, drudgery reduction, improving knowledge & skill of farm women, secondary agriculture

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
Boudh	-	-	-		-	-

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Boudh	30586643554	230472	0	0

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Boudh	Pradeep Bhanja	Ind	OUAT	0

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Boudh	Yes	ZPD

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Boudh	Crop Cafeteria	Demonstration of technology in different theme
Boudh	Technology Desk	Yet to be established
Boudh	Visitors Gallery	Yet to be established
Boudh	Technology Exhibition	Display of different implements, Extension literature, Flex banner
Boudh	Technology Gate-Valve	Yet to be established

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Weed management	1
2	Cropping system	1
3	Varietal evaluation	2
4	Tuber crops	2
5	ICM	2

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
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1	Boudh	Manoj Kumar Pradhan	Transplanting techniques in watermelon	At/Po-Badhigaon, Block-Boudh Dist-Boudh (Mobile- 9937110582)
2	Boudh	Umesh Ch. bhoi	Planting of onion setts	At/Po-Menda, Block-Harbhangha Dist-Boudh (Mobile- 8658107440)
3	Boudh	Gadhadhar Mahakul	Pruning method in pointed gourd	At/Po-Polam, Block-Boudh Dist-Boudh (Mobile- 8658408109)
4	Boudh	Rabindra Kalta	Planting method in Banana	At/Po-Polam, Block-Boudh Dist-Boudh (Mobile- 7894264581)
5	Boudh	Jharia Sahoo	Off season tomato cultivation	At/ - Kanakpur, Po/- Salunki, Dist-Boudh (Mobile- 9777633429)
6	Boudh	Sangram Pradhan	Intercropping in mango orchard	At /Po- Balanda, Purunakatak Dist-Boudh (Mobile- 9437060835)
7	Boudh	Sushil karna	Fish breeding and rearing	At/po- Balakira, Block- boudh (Mobile- 9937796055)
8	Boudh	Pratima Mahapatra	Value addition Amla (Amla churna)	At/ Po: Durgaprasad , Block- boudh (Mobile- 8456021765)
9	Boudh	Dwaru Matia	Off season tomato cultivation	At/ - Kanakpur, Po/- Salunki, Dist-Boudh (Mobile- 9178273101)
10	Boudh	Upendra Bhanja	Forcing Mango to flower in off year	At/Po - Girasinga Dist-Boudh (Mobile- 9938566044)

20. KVK interaction with progressive farmers

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

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Boudh	3	3	32	229

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

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

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	KVK Sonepur	Soil testing, Planting Material, Technical suggestion	-
2	KVK Anugul	Man power, Technical Support, Planting Material Technical suggestion	-

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Boudh	Prof. P.N. Jagdev , DDE ,OUAT ,BBSR	7.12.16	-	SAU	-	-
Boudh	Prof. S.N. Pasupalak , VC ,OUAT ,BBSR-	3.01.17	-	SAU	-	-
Boudh	Sj. Madhusudan Mishra, IAS Collector & District Magistrate , Boudh	30.3.17	-	-	Others	-
Boudh	Prof. P.C.Lenka, State consultatnt NHB	5.12.2016	-	-	other	-

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Boudh	12-04-2012	3	56

26. E-CONNECTIVITY:- NA

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

27. Status of RTI : NA

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

-	-	-	-	-
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28. Status of Citizen Charter: NA

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
-		-	-	-

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Boudh	Dr. S. Satpathy	Sr. Scientist & Head	1	Zonal Workshop
Boudh	Mrs. Jyoti Rekha Mallick	Scientist, PP	1	Ware Housing and Storage Management
Boudh	B.P.Giri	Scientist, Horti	1	Zonal Workshop

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Boudh	3	2

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Boudh	Dr. Sutanu Satapathy	Senior Scientist & Head	2	Protected cultivation of Anthurium & Liliun , SLEC
Boudh	Bishnupada Giri	Scientist, Hort.	3	Protected cultivation of Anthurium & Liliun, Community Radio Station, Training of trainers for gardner & nursery worker
Boudh	Miss Harapriya Sethy	Farm Manager	2	Protected cultivation of Anthurium & Liliun, Training of trainers for gardner & nursery worker

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Boudh	3	4

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.): NA

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
-	-	-	-	-

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

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

Name of KVK	Alert observed	Particulars	Reported to organization
-	-	-	-

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS: NA

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Boudh	Awareness programme	1	50	Jai Kissan Jai Bigyan

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Boudh	Kharif onion (Bhima Super)	0.5	10
2	Boudh	Paddy (Jogesh ,Sidhanta	0.5	10

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Boudh	Pigeon pea	0.5	7
2	Boudh	Paddy	2	10

Farmers-scientists interaction on livestock management: NA

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	Boudh	Dairy Management	-	-
2	Boudh	Disease management	-	-
3	Boudh	Feed and fodder technology	-	-
4	Boudh	Poultry management	-	-

Animal health camps to be organized : NA

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

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Boudh	Paddy	1.5	2	10
Boudh	Pigeon pea	0.1	0.5	7

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (Nos)	Coverage of area (ha)	Number of farmers
Seedlings				
Boudh	Onion	3,82,000	0.25	10

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Boudh	T. chilonis	40 Cards	0.5	7

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Boudh	Azospirillum, Azotobactor, PSB	5	1	7

Verns Produced: NA

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

Large scale adoption of resource conservation technologies : NA

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

Awareness Campaign : NA

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Boudh	02	50	-	-	2	50	01	200	-	-	5	125

35. Proposal of NICRA:- NA

1. Technologies to be Demonstrated

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

2. Proposed Extension Activities in NICRA Village

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

3. Proposed Training Activities in NICRA Village

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

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

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

7. Feedback of Farmers for future improvement, if any.**36. Proposed works under NAIP (in NAIP monitoring format)****37. Case study / Success Story to be developed – Two best only in the following format**

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Boudh	1	1

Title: watermelon: A profitable rabi crop.**Background:**

In Boudh District Paddy Greengram is a major cropping sequences. Sri Manoj Pradhan, Village: Lambakani, GP: Bandhpathar, Bl: Harbhanga was cultivating paddy in 6 ha area in kharif and Greengram in 2 ha area in Rabi. The profit earned by him was insufficient to meet his livelihood. He was in search of some alternate crop for cultivation of Rabi season.

Site characterization:

The farm area is located between longitude 84^o 15. 942” and Latitude 20^o 48. 962”. The area comes under Western Central Table Land. Agroclimatic Zone and plain land irrigated AES situation with sandy loam soil.

Technology Description:

After being trained by KVK he started watermelon cultivation in Rabi season. The technology includes use of hybrid seeds, sowing of seeds in polybag (Rs.3888/ ha) and transplanting them in main field after 15 days, foliar application and ethrel (Rs. 110/ha) at 2 to 4 leaf stage. Post

emergence application of quizalopopethyle (Rs 2000/ha) to control weeds, foliar application of Boron, (Rs. 450/ha). The operational cost of the technology would be Rs. 6448/ha. The production of watermelon in expected to increase to 256 q/ha as against 237q/ha in farmers practice. There will be reduction of labour charges to take care newly germinated seed in main field Rs.1600 /ha. Besides there will be less mortality of plant and thus less seed rate per ha and saving costly hybrid seeds, Rs. 600 /ha. Besides, due to chemical weed management the cost of labour for intercultural operation is also reduced by Rs. 4000/ha. The technology is easy cost efficient and can be made available at the door step of farmers so it is sustainable. Even marginal, small farmer can adopt the technology as it is economic and easy to adopt besides large farmer.

Methodology for technology dissemination:

KVK conducted training on improved package of practices in watermelons. He was also included as beneficiaries for FLD on transplanting techniques in watermelon, ethrel application in watermelon. Besides regular field visit was conducted and agro advisory services were given as and when required. He was also linked to Dept. of horticulture for availing subsidy on micronutrient and pesticide. Besides he was also linked Jai Matadi Farmers Production Company for marketing of produce. In shortage and polybag the farmers started to sow seeds in used water pouch or thula made up of sal leaves.

Field performance (Results):

The yield and net return obtained by him from watermelon cultivation is given below

Year	Cost of cultivation	Yield qt/ha	Gross Return Rs./ha	Net Return Rs./ha	BC ratio
2010-11	61350	237	1,18,500	57,150	1.93
2011-12	59870	234	1,17,000	57,130	1.95
2012-13	61200	247	1,23,500	62,300	2.01

Sowing seeds in polybag require around 250 gm of seeds/acre as against 300gm/ha, thus saving 50 gm of hybrid seed/Ac. Fruit cracking was problem in watermelon due to deficiency of Boron. Application of Boron check cracking of fruit and increases marketable fruit yield. An additional employment of 4 mandays/ha was obtained in filling polybag & after care of seedling upto 15 days. The cropping time of watermelon in main field was reduced to around one month due to raising of seedling in backyard. Around 10 nos. of farmers have been demonstrated on transplanting technology in watermelon. Besides demonstration has been made on application of ethrel for more flowering and fruiting involving 10 farmers. Besides 2 ha demonstration on INM practices in watermelon has been conducted involving 10 farmers. Problem like fruit cracking, heavy mortality of plant in main field is reduced by the adoption of technology.

Refinement of Technology:

The technology is fit to prevailing production system and thus no refinement was needed for the technology.

Outcome:

A net income of Rs. 62300/ha was obtained by cultivating watermelon from 1 ha area. An additional 8 mandays was found to be engaged for 2 ha of watermelon cultivation. With the success of Sri ManojPradhan other farmers of his village and neighboring village has started watermelon cultivation in Rabi after harvest of paddy thus shifting cropping pattern from Rice-Greengram to Rice- Watermelon.

Impact:

Initially the demonstration was given to 5 farmers and in next year the beneficiaries nos. was increased to ten. In scarcity of polybag the farmers started to sow seeds in water pouch and Thula made up of sal leaves. In year 2012-13 watermelon was cultivated in 300 ha with a production of 5682 MT and productivity of 189.4 qt/ha. In last year the area under watermelon cultivation has been increased to 385 with a production of 7600 MT and productivity of 197.4 qt/ha. There is a lot of time gap available for field preparation from harvesting of paddy to transplanting of watermelon than conventional method. As a result enough time is available for decomposition of stubble of paddy there by improving soil health. There is increasing in additional labour requirement @ 4 MD per ha in raising watermelon seeds in poly bag. His standard of living has been improved. He has changed his kaccha house to pucca. His economic condition has been improved. He has bought a motor cycle for him. He is able to provide better education and health care for his children. His social standard has been increased. He set himself as an example of

progressive farmer in his locality. Farmers of his village and neighbouring village are seeking information and advice from him on transplanting techniques in watermelons. He has been awarded as progressive farmer in OUAT foundation day.

Future prospects/Area of Up-scaling:

The technology is applicable for cultivation by all watermelon growers irrespective of block, district, Agro-climatic zone. The transplanting techniques in watermelon can also be tested in other district of our state Odisha and also in other state where watermelons is cultivated in large scale.



Title: Mushroom Production.

Background:

Smt Pratima Mohapatra village: Durgaprasa, Gp: Baghiapada, Dist- Boudh was a landless farmwoman. The income from her backyard kitchen gardening was insufficient for her livelihood support. She was in search of some income generating enterprises which require less land.

Site characterization:

The farm area is located between longitude 84° 14.361” and Latitude 20° 43. 452”. The area come under Western Central Table Land. Agro climatic Zone.

Technology Description:

One day she attended an on campus training on mushroom production organized by KVK in year 2011-12. Since then she was inspired for mushroom cultivation. The technology includes soaking of straw with lime @ 10 gm/ litre in hot water (Rs. 20 per bed), use of Bavistin @ 7 gm per 100 litre water for straw disinfection (Rs. 5/ bed), preparation of mushroom bed with spawn and gram powder (Rs. 15/ bed) as substrate. The operational cost per bed was Rs. 50/- and the expected production would be 1 kg per bed in paddy straw and 2 kg per bed in oyster mushroom. The technology is very much cost efficient with a chance of earning gross income by 2 fold than the cost in short span of time in home stead area. The technology is very much sustainable for landless farmer/farmwomen also marginal and small farmer/farmwomen can adopt the technology to supplement their annual incomes.

Methodology for technology dissemination:

Training and demonstration on mushroom cultivation are conducted by KVK in every year. Spawn produced in KVK spawn production unit are also distributed to farmers and farmwomen. SHG are also trained a mushroom production. Besides KVK has published extension literature on mushroom production which is distributed to interested farmers, SHG round the year. She was linked to Dept. of Horticulture, Boudh and SBI, Baghiapada for availing subsidy for establishment of mushroom production unit.

Field performance (Results):

The yield and net return obtained by him from mushroom production is given below

Type of mushroom	No. of beds	Cost of production (Rs.)	Production	Gross Return (Rs.)	Net Return (Rs.)	BC ratio
Paddy	100	5,000	80 kg	12,000	7,000	2.4

straw						
Oyster mushroom	50	2,000	100 kg	8,000	6,000	4.0

Mushroom production round the year can generate 300 man days per year. Besides it is an avenue for proper utilization of leisure time of house wives. In subsequent year 50 no. of farmwomen have been trained on mushroom production and 20 nos.of farmers have been demonstrated on mushroom production. Disinfection of straw by Bavistin prevent growth of other fungus in mushroom bed.

Refinement of Technology:

As the technology is a non land based agriculture enterprises so it can be fitted to any production situation. It is an accepted mainly by landless and marginal farmer.

Outcome:

Initially she earned Rs. 1600 from 10 beds. Now she is able to earn a gross income of Rs. 12,000 from 100 nos. of Paddy straw mushroom bed and Rs. 8,000 from Oyster mushroom. It provided an opportunity of generating employment for 75 days per year which can be increased to 300 days/year for commercial mushroom production round the year. Her economic condition has been improved. She is able to engage herself for some hours in everyday in mushroom bed preparation.

Impact:

In subsequent years 20 nos. of farmwomen has been demonstrated on paddy straw and Oyster mushroom cultivation and 50 nos. have been trained on mushroom cultivation. Mostly landless and marginal farmers have adopted the technology to supplement their annual income. The technology has been spread to farmer of this village and neighboring village through SHG. But the overall production statistics of Boudh district is not available at Govt. Dept. For year round mushroom production the technology have potential to employ 300 man days/year leaving 2 hot months in a year. Her standard of living has been increased. She has made a semipucca house from Kachha type. She is able to provide better education and health facilities to her two sons. Farmwomen of his village and neighboring village SHG are seeking advice from her for mushroom cultivation. She

has become a master trainer in her locality and trained members of 18 SHGs on mushroom production. She was a member in SAC meeting of KVK for last 3 years.

Future prospects/Area of Up-scaling:

The technology is applicable for any Block of Boudh district and also the Western Central Table Land Agro Climatic Zone. Since it is a non-land agriculture activities it has applicability irrespective of any climate, state



38. Well labeled photographs for each activity of the KVK



Assessment of IPM for gram pod borer in pigeon pea



Assessment of Arhar varieties for rainfed upland



Assessment of paddy varieties for rainfed upland



Assessment of Herbicides in transplanted Paddy



Assessment of INM practices in Banana



Assessment of INM practices in Chilli



Assessment of INM practices in green gram for crop intensification



Assessment of weed management module in Okra



Assessment of ethrel application in bitter melon

**Sd/-
Sd-
Sr. Scientist & Head
KVK,Boudh**