

# Action Plan 2018 – 19

## KRISHI VIGYAN KENDRA, BOUDH (ODISHA)



1. Name of the KVK : Boudh
2. Name of host organization : OUAT

**Training programmes to be organized (April 2018 to March 2019)**

**(a) Farmers and Farm women**

Thematic Area	Title	No of training	Duration	On / Off campus	No of participants					
					SC	ST	Others	M	F	Total *
<b>I. Crop Production</b>										
CRP	INM in paddy	1	1	OFF	-	-	-	-	-	25
CRP	Weed management in transplanted paddy	1	1	OFF	-	-	-	-	-	25
CRP	Integrated farming system household food security	1	1	OFF	-	-	-	-	-	25
CRP	Weed management techniques in Rabi pulses	1	1	OFF	-	-	-	-	-	25
CRP	Improved package of practice for major oilseed crops	1	1	ON	-	-	-	-	-	25
CRP	Improved package of practice for Groundnut cultivation	1	1	OFF	-	-	-	-	-	25
CRP	Package of practices of maize cultivation	1	1	OFF	-	-	-	-	-	25
CRP	Soil health & importance of soil testing	1	1	ON	-	-	-	-	-	25
CRP	Improved package of practice for Moong & urd cultivation	1	1	OFF	-	-	-	-	-	25
CRP	Soil acidity & its reclamation	1	1	OFF	-	-	-	-	-	25
CRP	Bio fertilizer & its importance	1	1	OFF	-	-	-	-	-	25
CRP	Package & practices of Ragi cultivation	1	1	OFF	-	-	-	-	-	25
<b>II. Horticulture</b>										
HOV	INM in Chilli	1	1	OFF	-	-	-	-	-	25
HOV	Agro techniques of banana cultivation	1	1	OFF	-	-	-	-	-	25
HOV	Off season vegetable cultivation	1	1	OFF	-	-	-	-	-	25
HOV	Package of practices of oilpalm cultivation	1	1	OFF	-	-	-	-	-	25
HOV	Production technology of kharif onion	1	1	ON	-	-	-	-	-	25
HOV	Production technology in okra	1	1	OFF	-	-	-	-	-	25
HOV	INM in solanaceous vegetable	1	1	OFF	-	-	-	-	-	25
HOV	Use of plant growth regulator in vegetable	1	1	ON	-	-	-	-	-	25
HOV	Water management in fruit crops	1	1	OFF	-	-	-	-	-	25
HOV	Package of practices in bitter gourd	1	1	OFF	-	-	-	-	-	25

<b>III. Plant Protection</b>										
PLP	IPM in rice	1	1	OFF	-	-	-	-	-	25
PLP	IDM in rice	1	1	OFF	-	-	-	-	-	25
PLP	IPM in Pulses	1	1	OFF	-	-	-	-	-	25
PLP	IPM in Oilseeds	1	1	OFF	-	-	-	-	-	25
PLP	Cultural practices for management insect pest & disease of crops grown in boudh district	1	1	ON	-	-	-	-	-	25
PLP	Insect & pest disease management in Onion & Garlic	1	1	OFF	-	-	-	-	-	25
PLP	Insect & pest disease management in Mango	1	1	OFF	-	-	-	-	-	25
PLP	Insect & pest disease management in cucurbits	1	1	OFF	-	-	-	-	-	25
PLP	Indigenous technology knowledge in insect pests & disease control	1	1	OFF	-	-	-	-	-	25
PLP	Integrated pest management in Potato	1	1	ON	-	-	-	-	-	25
PLP	Pest survey & surveillance	1	1	OFF	-	-	-	-	-	25
PLP	Integrated pest management in Banana	1	1	OFF	-	-	-	-	-	25
PLP	Wilt management in solanaceous crops & watermelon	1	1	OFF	-	-	-	-	-	25
<b>IV. Agricultural extension</b>										
CBD	Livelihood security for small & marginal farmers	1	1	OFF	-	-	-	-	-	25
CBD	Safety operation & maintenance of low cost farm implements	1	1	OFF	-	-	-	-	-	25
CBD	Byproduct utilization in agriculture for environmental safety	1	1	OFF	-	-	-	-	-	25
CBD	Farming system approach for enhancing productivity sustainability & profitability	1	1	OFF	-	-	-	-	-	25
CBD	Income generation activity through paddy seed production	1	1	On	-	-	-	-	-	25
CBD	Management of farmers club	1	1	OFF	-	-	-	-	-	25
CBD	Management of SHG	1	1	OFF	-	-	-	-	-	25

**(b) Rural youths**

Thematic Area	Title	No of courses	Duration	On/Off campus	No of participants					
					SC	ST	Others	M	F	Total*
<b>I. Crop Production</b>										
CRP	Organic farming for better soil & crop management	1	2	ON	-	-	-	-	-	15
CRP	Integrated Nutrient Management	1	2	ON	-	-	-	-	-	15
<b>II. Horticulture</b>										
HOV	Protected cultivation of vegetables	1	2	ON	-	-	-	-	-	15
HOV	Post harvest management of vegetables	1	2	ON	-	-	-	-	-	15
HOV	Nursery management in vegetables crop	1	2	ON						15

<b>III. Plant Protection</b>										
PLP	Method of sowing & preparation of pesticide formulation	1	1	ON	-	-	-	-	-	15
PLP	Use of different traps for insect pest management	1	2	ON	-	-	-	-	-	15
PLP	Identification of insect pest & bio agent in field conditions	1	2	ON	-	-	-	-	-	15
<b>IV Agricultural Extension</b>										
CBD	Entrepreneurship development among rural youth through mushroom spawn production	1	2	ON	-	-	-	-	-	15
CBD	Income generation through income generating activities for rural youth	1	2	ON	-	-	-	-	-	15

**(c) Extension Functionaries**

Thematic Area	Title	No of courses	Duration	On/Off	No of participants					
					SC	ST	Others	M	F	Total *
<b>I. Crop Production</b>										
CRP	Conservation agriculture	1	1	ON	-	-	-	-	-	15
CRP	Precision Agriculture	1	1	OFF	-	-	-	-	-	15
<b>II. Horticulture</b>										
HOV	Physiological disorder in fruits crops	1	1	ON	-	-	-	-	-	15
HOV	Production of low volume and high value crops	1	1	ON	-	-	-	-	-	15
<b>III. Plant Protection</b>										
PLP	Climatic change & its effect on insect pest & pest risk analysis	1	1	OFF	-	-	-	-	-	15
PLP	Biological control of Insect pest management	1	1	OFF	-	-	-	-	-	15
<b>IV. Agricultural Extension</b>										
CBD	Climate change effects on agriculture and allied activities and climate resilient technologies for better crop management and land husbandry	1	1	OFF	-	-	-	-	-	15
CBD	New Dimension of Extension Approach and Technology Transfer to Farmers field	1	1	OFF	-	-	-	-	-	15

**(d) Sponsored Training: NA**

Thematic Area	Title	Courses	Duration	On/Off	No of participants					
					SC	ST	O	M	F	Tot
<b>Total</b>										

**(e) Vocational Training**

Thematic Area	Title	courses	Duration	On/Off	No of participants/trainee days					
					SC	ST	O	M	F	Tot
CRP	Vermin composting & vermin culture	1	5	ON	-	-	-	-	-	15
HOV	Production sapling for fruit crops	1	5	ON	-	-	-	-	-	15
PLP	Bee Keeping	1	5	ON	-	-	-	-	-	15
<b>Total</b>		<b>3</b>	<b>15</b>	-	-	-	-	-	-	<b>45</b>

**III. Frontline Demonstration**

Crop	Season	Title	Technology	No. of demonstration	Area (ha)
Paddy	Kharif - 2018	Demonstration on drought tolerant paddy variety Sahabgadhian	Drought tolerant variety Sahabgadhian (Application of NPK (60:30:30) alongwith Azotobacter 5kg/ha and ZnSo <sub>4</sub> @ 10-12 kg/ha with need based pesticide)	1	1.0
Paddy	Kharif - 2018	Demonstration on HYV of paddy Jogesh	Variety: Jogesh, seed rate @ 75 kg/ha with (Application of NPK (60:30:30) alongwith Azotobacter 5kg/ha and ZnSo <sub>4</sub> @ 10-12 kg/ha with need based pesticide)	1	2.0
Paddy	Kharif - 2018	Demonstration of IWM in transplanted Paddy	Nursery management, Time based application of pre-emergence(Oxadiazyl 80% wp@100gm/ha or Pyrazosulfuron @200gm/ha ,post-emergence of herbicide(1. Metasulfuron methyl 10% EC 200ml/ha + Etheosulfuron 15% WP@100gm/ha, 8-10DAT 2. Fenox a prop-p-ethyle 6.9E.C @500ml/ha 13-15DAT	1	2.0
Maize	Kharif - 2018	Demonstration of Cowpea as Intercropping in Maize	Intercropping of one row of cowpea with spacing 15cm	1	1.0
Banana	Kharif - 2018	Demonstration on INM practices in Banana	Application of Azotobacter & PSB each @ 20 gm/plant, 75% of RDF at 3,5,7 month of planting, foliar application of NPK (13:0:45) & NPK (19:19:19) each for 5 times alternately at 15 days interval	1	1.0
Chilli	Kharif - 2018	Demonstration on INM practices in Chilli	Soil application of Azospirillum & PSB each @ 5kg/ha incubated with FYM + 75 % of RDF (120:60:80 kg NPK/ha)	1	1.0
Onion	Kharif - 2018	Demonstration on weed management in Onion	Pre-emergence application of pendimethalin @ 2.5 lit/ha	1	1.0
Okra	Kharif - 2018	Demonstration on weed management in Okra	Pre-emergence application of pendimethalin @ 2.5 lit/ha and post emergence application quizalofop ethyl 5EC @ 1 lit/ha 20 DAS	1	1.0

Chilli	Kharif - 2018	Demonstration on Management of leaf curl in Chilli	Spraying of Diafenthurion @ 600 gram/ha. & acetamiprid @ 150 gram/ha. Alternatively at 15 days interval	1	1.0
Okra	Rabi 2018-19	Demonstration on IPM for white flies in Okra	Installation of Yellow sticky trap 50/ha and application Neem based pesticide 2.5 lit/ha of water & Use of Spinosad @ 150ml/ha.	1	1.0
Watermelon	Rabi 2018-19	Demonstration IPM against thrips in watermelon	Installation of Yellow sticky trap 50/ha and application Neem based pesticide 2.5 lit/ha of water , Spinosad 45 SC @ @ 3.2 ml/10 lit water.	1	1.0
Bitter gourd	Rabi 2018-19	Demonstration on IPM modules for fruit fly in bitter gourd	Installation of Cuelure trap @ 20 traps /ha+ alternate spray of neem oil 0.15% @ 1lit/ha and spinosad 45 SC @ 150 ml/ha+ hoeing/raking the soil periodically at 15 days interval.	1	1.0
			<b>Total</b>	<b>12</b>	<b>14.0</b>

**Enterprise: NA**

Enterprise	Season	Title	Technology	No. of demonstration	No. of animal/ area (ha)
-	-	-	-	-	-

**IV. Seed and planting material production**

Seed		Planting material	
Crop	Area	Crop	Area/No
Pigeonpea (Asha)	1.5	Brinjal	0.004
Dhanicha	1.0	Colocassia	0.008
Greengram	0.5	Elephant foot yam	0.004
		Chilli	0.004
		Onion	0.004
		Tomato	0.004
		Okra	0.004
		Banana	0.008
		Papaya	0.004
		Tomato	0.004
		Onion	0.004
		Pumpkin	0.16

## V. Extension Activities

Activities	No.	Participants
Field Day	11	550
Kisan Mela	2	500
Extension Literature	4	2000
Scientists visit	250	2000
Group Meeting	6	80
CD Show	36	3000
Radio talk	8	-
Popular Article	8	-
Special Day Celebration	3	-
Ex Trainees Meeting	2	-
News letter	4	-

## VI. Revolving Fund

Open balance as on 1 <sup>st</sup> april 2018 (Rs. in lakh)	Amount to be invested (Rs.)	Return (Rs.)
Nil	1,50,000	2,50,000

## VII.Expected fund utilization: NA

Project	Source	Amount to be received (Rs. in lakh)
-	-	-

## VIII. On-Farm Trials to be conducted (10 nos)

Thematic area	Title	Treatments	No. of farmers
IWM	Assessment of herbicide in Green gram	FP = Cultivation of Greengram with manual weeding TO1 = Application of propoquizalop 2.5% + Imazethapyr 3.75% @ 250 ml/acre withn 21 DAS TO2= Application of Imazythyper 10% @200ml/acre withen 21 DAS	07
Varietal evaluation	Assessment of BPH tolerant Rice varieties	FP = Swarna TO1 = Hasanta-Small bold grains,white kernel, straw colour hull.Moderately resistance to leaf folder,leaf blast,sheath blight & bacterial leaf blast Avg.yield-55-60qt,duration-145days TO2= Pratikshya medium slender,tolerant to complete submergence ecology :Flood prone shallow lowlands	07
Varietal evaluation	Assessment of aromatic rice varieties in medium land	FP = Cultivation of traditional scented variety TO1 = Cultivation of Aromatic paddy Nua Kalajira TO2 = Cultivation of Aromatic paddy Geetanjali	07
Varietal evaluation	Assessment of Onion varieties in Kharif Season	FP = Agri found dark red TO1 = Bhima super TO2 = Bhima super dark red	07
Varietal evaluation	Assessment of triple disease resistant tomato hybrid “Arka Rakshak and “Arka Samrat”	FP = Use of HYVs Laxmi TO1 = Arka Rakshak TO2 = Arka Samrat	07
IWM	Assessment of effect of Herbicide application yield of kharif Tomato	FP = Manual weeding TO1 = Pre-emergence application of pendimethaline @2.5 lit/ha TO2 = Pre-emergence application of Pendimethaline @2.5	07

		lit/ha + Post emergence application of quizalfopethyle @ 1 lit/ha	
IPM	Assessment of IPM modules for Shoot and fruit borer in Brinjal	FP = Indiscriminate use of pesticides. (Triazaphos) TO1 = Pheromone trap @ 25 traps/ha+ alternate spray of neem oil 0.15 % @ 1lit/ha and Flubendamide 39.35 SC @ 200 ml/ha TO2 = Regular clipping of wilted twigs+ pheromone trap (20 traps/ha)+ alternate spray of neem oil 0.15 % @ 1 lit/ha and spinosad 45 @ 150ml/ ha.	07
IPM	Assessment of Pesticides against Sesamum pod borer	FP = Use of Imidacloprid@300ml/ha. TO1 = Cartap Hydrochloride or Fipronil @ 150ml/ha. TO2 = Profenophs @ 1lt./ha.	07
IPM	Assessment of Integrated management of WBPH and BPH in paddy	FP = Indiscriminate spraying of Chloropyriphos/imidachlorpid TO1 = Making alleys at a distance of 2 m in paddy field.use of spider trap @ 25/ha, need based Alternate Spraying of flonicamid 50 WG @ 60 gm /acre and neem based pesticide 3000 ppm @ 600 ml/acre @ 10 days interval. TO2 = TO 1 repeated with Spraying of pymetrozene 50 WG @ 120 gm/acre	07
Marketing management	Study of existing marketing approach of rabi onion	FP = Marketing through Private Traders TO1 = Cooperative Society TO2 = Direct- Farmer to end user(Consumer)	07

#### IX. List of Projects to be implemented: NA

Name of the project	Fund expected (Rs.)
-	-

#### X. No. of success stories to be developed: 02 (Two)

#### XI. Scientific Advisory Committee

Date of SAC meeting held during 2017-18	Proposed date
29.12.2017	19.12.2018

#### XII. Soil and water testing

Sample	No. of samples to be analysed
Soil	200
Plant	-
Water	50

#### XIII. Staff position

Sanctioned	In position	If vacant, since when
Programme Coordinator / Sr. Scientist	1	-
SMS (Agril.) / T-7/8	1	
SMS (Hort.) // T-7/8		
SMS (A.H. & V.S.) // T-7/8		
SMS (PP) // T-7/8	1	
SMS (Agril. Extn)/ T-6	1	
SMS (Home Sc.) / T-6		
Programme Assistant (Computer)/ T-5	1	



Programme Assistant/ T-5		
Farm Manager/T-5	1	
Assistant		
Stenographer, Grade – III	1	
Driver/ T-2	1	
Driver / T-2	1	
Skilled Supporting Staff	1	
Skilled Supporting Staff (Cook)	1	
<b>Total</b>		

**XIV. Status of infrastructure**

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	✓			
Trainees' hostel	✓			
Staff quarter	✓			
i) IFS	✓			
ii) Portable Carp Hatchery	NA			
iii) Goatary	NA			

**XV. Fund requirement and expenditure (Rs.)**

**Total Fund Requirement:**

	Expenditure (last year) (Rs. in lakh)	Expected requirement (Rs. in lakh)
<b><u>Recurring</u></b>		
i. Pay & allowance	5345651	7055491
ii. Contingency	1400000	
iii. TA	97563	150000
iv. HRD	-	-
<b><u>Non-recurring (specify)</u></b>		
i. Works (Road, threshing floor, drying yard, vehicle and implement shed, irrigation system etc.)		800000
iv. Furniture & Equipment	300000	
v. Vehicle and tractor	-	800000
<b>TOTAL</b>		

Sd/-  
Sr. Scientist & Head