Action Plan
2018 – 19

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NABARANGPUR

Orissa University of Agriculture and Technology,
Bhubaneswar

1. Name of the KVK : KVK NABARANGPUR
2. Name of host organization : Orissa University of Agriculture and Technology, Bhubaneswar

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 *
I Crop Production										
ICM	**Techniques of raising rice seedling.**	1	1	OFF						25
IWM	**Weed management in transplanted Rice**	1	1	OFF						25
IWM	**Water management in rice**	1	1	OFF						
ICM	**Techniques of seedling treatment in rice.**	1	1	OFF						25
IWM	**Water management in Maize**	1	1	OFF						25
Post-harvest technology	**Storage techniques of pulses**	1	1	OFF						25
IWM	**Weed management in maize**	1	1	OFF						25
ICM	**Post harvest loss management in paddy**	1	1	OFF						25
IFS	**Rice based IFS system**	1	1	ON						25
ICM	**Scientific method of**	1	1	OFF						25

	Blackgram cultivation									
ICM	**Scientific method of Arhar cultivation**	1	1	OFF						25
ICM	**Scientific method of Groundnut cultivation**	1	1	OFF						25
ICM	**Scientific method of Oilseed cultivation**	1	1	OFF						25
ICM	**Scientific method of millets cultivation**	1	1	OFF						25
II Horticulture										
VC	**Scientific cultivation of Tomato**	**1**	**1**	OFF						**25**
VC	**Prduction technology of high vale vegetables**	**1**	**1**	OFF						**25**
Fruit Cultivation	**Canopy management in Mango and Guava**	**1**	**1**	OFF						**25**
VC	**Scientific cultivation of Brinjal**	**1**	**1**	OFF						**25**
VC	**Scientific cultivation of Cauliflower**	**1**	**1**	OFF						**25**
VC	**Scientific cultivation of Cabbage**	**1**	**1**	OFF						**25**
VC	**Scientific cultivation of kharif Onion**	**1**	**1**	OFF						**25**
Floriculture	**Scientific cultivation of Marigold**	**1**	**1**	OFF						**25**
Floriculture	**Scientific cultivation of Marigold**	**1**	**1**	OFF						**25**

Fruit Cultivation	**Improve method of Banana cultivation**	**1**	**1**	OFF						**25**
III Soil Health and Fertility Management										
Soil Fertility Management	**Soil Sample collection technique**	1	1	OFF						25
Soil Fertility Management	**Techniques of Sustainable soil health management**	1	1	OFF						25
INM	**Brown manuring in direct seeded rice**	1	1	OFF						25
INM	**INM in Rice**	1	1	OFF						25
Soil Fertility Management	**Biofertilizer application in vegetables**	1	1	ON						25
Soil Fertility Management	**Gypsum application in Groundnut**	1	1	ON						25
Soil Fertility Management	**Nitrogen management in Paddy through LCC**	1	1	OFF						25
Soil Fertility Management	**INM in groundnut**	1	1	OFF						25
Soil Fertility Management	**Deficiency symptoms of soil micronutrient & their management**	1	1	OFF						25
Soil Fertility Management	**Iron toxicity management in paddy**	1	1	OFF						25
Soil Fertility Management	**Production techniques of Azolla and BGA**	1	1	OFF						25
Soil Fertility Management	**Organic Vegetable cultivation**	1	1	OFF						25
INM	**INM in Maize**	1	1	OFF						25

INM	**INM in cole Crops**	1	1	OFF						25
INM	**INM in Solanaceous vegetables**	1	1	OFF						25
INM	**INM in Onion and Garlic**	1	1	OFF						25
INM	**INM in Mango**	1	1	OFF						25
Soil Fertility Management	**Micronutrient application in cole crops . .**	1	1	OFF						25
IV Plant protection										
IPM	**IPM in paddy**	4	1	OFF						100
IPM	**IPM in pulses**	3	1	OFF						75
IPM	**IPM in vegetables crop**	3	1	OFF						75
V Agricultural Engineering										
VI Home science										
Income generation	**Paddy straw mushroom cultivation**	**1**	**1**	**ON**						**25**
Nutritional security	**Nutritional garden for nutritional security**	**1**	**1**	**ON**						**25**
Nutritional security & income generation	**Backyard poultry of improved breed (vanaraj)**	**1**	**1**	**ON**						**25**
Nutritional security & income generation	**Preparation of *Chhatua***	**1**	**1**	**ON**						**25**
Nutritional	**Preparation of**	**1**	**1**	**ON**						**25**

security	**nutritious food for pregnant women to address malnutrition**									
Value addition	**Value addition of maize**	**1**	**1**	**ON**						**25**
Health security	**Herbal garden for health security**	**1**	**1**	**ON**						**25**
Income generation	**Oyster mushroom cultivation**	**1**	**1**	**ON**						**25**
Value addition	**Value addition of millets**	**1**	**1**	**ON**						**25**
Drudgery reduction	**Drudgery reduction for farm women**	**1**	**1**	**ON**						**25**

(b) Rural Youths

Thematic Area	Title	No of courses	Duration	On/ Off campus	No of participants					
					SC	ST	Others	M	F	Total *
I Crop Production										
ICM	**Nursery raising techniques**	1	2	ON						15
INM	**Production techniques of vermicompostin g**	1	2	ON						15

ICM	**Planting material production techniques**	1	2	ON						15
Organic farming	**Organic farming**	1	2	ON						15
II Horticulture										
Protected cultivation	**Protected cultivation of vegetable crops**	**1**	**2**	**ON**						**15**
VC	**Production technology of high value vegetables**	**1**	**2**	**ON**						**15**
Fruit cultivation	**Canopy management in fruit crops**	**1**	**2**	**ON**						**15**
III Plant Protection										
In come generation	**Bee-Keeping for income generation**	2	2	**ON**						30
IV Livestock Production and Management										
V Home Science										
Value addition	**Value addition of lac**	**1**	**2**	**ON**						**15**
Value addition	**Value addition of oyster mushroom**	**1**	**2**	**ON**						**15**
Value addition	**Value addition of tomato**	**1**	**2**	**ON**						**15**
health security	**Herbal garden for health**	**1**	**2**	**ON**						**15**

	security									
Soil Health and Fertility Management										
SFM	**Organic farming**	**1**	**3**	**ON**						**15**
SFM	**Nutrient deficiency and Fertiliser recommendation for Agricultural Crops .**	**1**	**3**	**ON**						**15**
Agrochemicals	**Storage techniques for Fertiliser**	**1**	**2**	**ON**						**15**
SFM	**Cropping system approach for sustainable soil health**	**1**	**2**	**ON**						**15**
CBD	**Formation and Management of FPO**	**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 ***
I Crop Production										
INM	**Vermitechnlogy**	1	1	ON						15
ICM	**Organic Farming**	1	1	ON						15
IFS	**Integrated Farming System**	1	1	ON						15
ICM	**Seed production in rice**	**1**	**1**	**ON**						**15**
SHG	**Leadership development and SHG formation**	**1**	**1**	**ON**						**15**
II Horticulture										
Floriculture	**Cultivation of Marigold**	**1**	**1**	**ON**						**15**

Floriculture	**Cultivation of Gladioli**	**1**	**1**	**ON**						**15**
III Home Science										
Home Stead	**Value addition in Mushrom**	**1**	**1**	**ON**						**15**
Home Stead	**Vaccination of Poultry birds**	**1**	**1**	**ON**						**15**
Home Stead	**Development f Nutritional garden**	**1**	**1**	**ON**						**15**
Soil Health and Fertility Management										
SFM	**Identification of nutrient deficiency and fertilizer reccomendation for agricultural crops**	1	1	ON						15
SFM	**INM techniques for agricultural crops**	1	1	ON						15
SFM	**Site specific nutrient management in Maize based cropping system**	1	1	ON						15
SFM	**Acid soil management**	1	1	ON						15
INM	**Brown manuring in transplanted paddy**	1	1	ON						15

Plant Protection										
IPM	**IPM in oilseed and pulses crop**	1	1	ON						15

(d) Sponsored Training

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

(e) Vocational Training

Thematic Area	Title	courses	Duration	On/ Off	No of participants/trainee days					
					SC	ST	O	M	F	Tot
Total										

3. Frontline Demonstration

Season	Title	Crop and Variety	No. of demonstration	No. of area (ha)
Kharif ,2018	**Demonstration on application of lime with bio-inoculants in Maize**	Maiz,Kaveri	10	4 ha.
Kharif 2018	**Demonstration on application of Boron in Rice**	Rice,MTU 1010	10	4 ha.
Rabi,2018-19	**Demonostration on application of vermicompost with bioinnoculants in Tomato**	Hybrid Tmato	10	4 ha.
Rabi,2018-19	**Demonstration on Integrated Nutrient Management in Brinjal**	Hybrid Brinjal	10	4 ha.
Rabi,2018-19	**Demonstration on Intercropping of Cowpea in Maize**	Maize var.Hycel Cowpea var.Utkal manik	10	1 ha
Kharif,2018	**Demonstration on Weed Management in Maize**	Maize var.Kaveri	10	1 ha.

Kharif,2018	**Demonstration on Intercropping of Blackgram in Maize**	Hybrid maize	10	1 ha.
Kharif 2018	**Demonstration on Weed Management in transplanted Rice**	MTU 1010	10	1 ha.
Kharif,2018	**Demonstration on Papaya variety Red Lady**	**Papaya variety Red Lady**	10	1 ha
Kharif ,2018	**Demonstration of off-season cultivation of triple resistant tomato variety Arka rakshak**	**Tomato variety Arka rakshak**	10	1 ha
Rabi, 2018-19	**Demonstration on Marigold variety BM2**	Marigold,BM2	10	0.4 ha
Kharif, 2018	**Demonstration on value addition of maize**	Maize	4 adopted villages and 1 DFI village (Bhamini) 13 SHGs	--
Rabi, 2018-19	**Demonstration on value addition of mushroom**	Mushroom	4 adopted villages & 1 DFI village 13 SHGs	-
Kharif 2018 ,Rabi 2018-19	**Demonstration of nutritional garden for Improving Nutritional Security of farm families**	Vegetables	4 adopted villages and 1 DFI village(Bhamini) 13 farmers	0.4 ha
Rabi, 2018-19	**Demonstration on IDM module for rotting complex and tikka disease in groundnut**	**Groundnut**	**10**	**1ha**
Kharif, 2018	**Demonstration on Management of rhizome rot in banana**	**Banana**	**10**	**1ha**
		Total	**169**	**24.80**

4. Seed and planting material production

Seed		Planting material	
Crop	**Area (ha.)**	**Crop**	**Area/No**
Paddy(Sahabhagi)FS	1.5	Brinjal	15,000
Arhar (PRG 176) Certified	3.0	Drum stick	1000
		Tomato	15,000
		Marigold	3000
		Chilli	5000
		Papaya	1000

5. Extension Activities

Activities	No.	Participants
Field Day	20	1000
Kisan Mela	1	500
Mahila kisan diwas	1	100
Kisan Ghosthi	10	240
Exhibition	4	1000
Film Show	20	1000
Method Demonstrations	25	375
Farmers Seminar	5	100
Workshop	5	95
Group meetings	25	350
Lectures delivered as resource persons	50	2500
Newspaper coverage	5	-
Radio talks	15	-
TV Talks	4	-
Popular Articles	20	
Extension Literature	4	2000
Farm Advisory Services	300	5000
Scientific visit to farmers field	250	5000
Farmers Visit to KVK	300	5000
Diagnostic Visits	60	3000
Exposure Visits	2	100
Ex-trainees Sammelan	2	100
Soil Health Camp	5	1000
Agriculture Education Day	1	100
Animal Health Camp	2	200
Technological week celebration	1	175
Soil Test Campaigns	50	2500
Farm Science Club conveners meet	5	125
Self Help Group conveners meetings	5	150

6. **Revolving Fund**

Open balance as on 1st april 2018 (Rs. in lakh)	Amount to be invested (Rs.)	Return (Rs.)
3,09,659/-	Rs. 2,00000/-	Rs. 3,00000/-

7. **Expected fund utilization:-NA**

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

8. **On-Farm Trials to be conducted (8 nos)**

Thematic area	Title	Treatments	No. of farmer
Varietal evaluation	**Assessment of Rice variety "HASANTA" for BPH management**	FP--Pooja TO1- Pratiksha TO2-Hasanta	7
IWM	**Assessment of herbicide (Pretilachlor (6%) + Bensulfuron methyl 0.6%) for weed management in transplanted rice**	FP-- **Manual weeding** TO1- **Application of Pyrazosulfuron Ethyl 10% WP @ 200 g /ha at 3 DAT.** TO2- **Application of Pretilachlor (6%)+ Bensulfuron methyl (0.6%) (Londex power) @ 10kg/ha at 3 DAT**	7
INM	**Assessment of split application of Nitrogen in Maize**	FP— 2split (1/3rd basal +2/3rd at 30 DAS) TO1- 3 splits (1/4th basal + 2/4th at 21 DAS + 1/4th at 35 DAS) TO2- Nitrogen application based on LCC reading	7
INM	**Assessment of foliar application of Boron and Molybdenum in cauliflower**	FP-- No application of B and Mo TO1- STBFA TO2- Foliar application of 100 ppm B and 50 ppm Mo (once at 30 DAP) + STBFA TO3- Foliar application of 100 ppm B and 50 ppm of Mo (twice at 30 DAP and 45 DAP) +STBFA	7
Crop substitution	**Assessment of kharif onion to substitute maize in upland**	FP-- Maize cultivation in upland rainfed during kharif season TO1- Cultivation of onion variety Bhima Super	7

		TO2- Cultivation of onion variety Agrifound Dark Red	
Varietal evaluation	**Assessment of tissue culture banana**	FP- Conventional local indigenous variety of banana TO1- Cultivation of banana cv. Grand naine (G9) TO2- Cultivation of banana cv. Amritpani	7
Oyster mushroom yield potential	**Assessment of yield potential of Oyster mushroom from different substrates**	FP- Cultivation of oyster mushroom with uncrumpled paddy straw TO1- Cultivation of oyster mushroom with crumpled paddy straw TO2- Cultivation of oyster mushroom with dried maize stems	7
Poultry bird rearing	**Assessment of strains of chicken for backyard rearing .**	FP- Rearing of Desi chicken TO1- Vanaraj TO2- Kadaknath	7
[PM	**Assessment of IPM module for management of thrips in Onion**	FP- Spraying with Dimethoate 2 ml/lit. T1: Seedling root dip (bottom 1/3rd) with Carbosulphan @ 2ml/lit. for 2hrs before transplanting, spraying with Profenophos @ 1lt/ha, neem pesticide @ 2.5 lt/lha and then with Carbosulphan @ 1 lt/lha at 10-15 days interval T2: Seedling root dip (bottom 1/3rd) with Carbosulphan @ 2ml/lit. for 2hrs before transplanting, alternate spraying with neem pesticide @ 2.5 lt/ha, Thiomithoxam @ 125gm/ha and Acetamiprid @ 125gm/ha at 10-15 days interval	7

9. List of Projects to be implemented:-

Name of the project	Fund expected (Rs.)
CFLD on Oil Seeds & Pulses	Rs.5,50000/-

10. No. of success stories to be developed: 2

11. Scientific Advisory Committee

Date of SAC meeting held during 2017-18	Proposed date
18.12.2017	20.12.2018

12. Soil and water testing

Sample	No. of samples to be analysed
Soil	**1000**
Plant	**_**
Water	**100**

13. Staff position

Sanctioned	In position	If vacant, since when
Sr. Scientist and Head	1	0
Scientist (Agro)	1	0
Scientist (Soil Science)	1	0
Scientist (Agril Engg)	0	1
Scientist (Fishery Sc.)	0	1
Scientist (Agril. Extn)	0	1
Scientist (Home Sc.)	0	1
Programme Assistant (Computer)	0	1
Programme Assistant	1	0
Farm Manager	1	0
Assistant	0	1
Stenographer, Grade – III	0	1
Driver	1	0
Driver	1	0
Skilled Supporting Staff	1	0
Skilled Supporting Staff	1	0
Total	**9**	**7**

14. Status of infrastructure

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	Yes, damaged condition	-	-	-
Trainees' hostel	No	-	-	--
Staff quarter	Yes, damaged condition	-	-	--
i) IFS	No	-	-	-

ii) Portable Carp Hatchery	No	-	-	-
iii) Goatary	No	-	-	-

15. Fund requirement and expenditure (Rs.)

Total Fund Requirement:

	Expenditure (last year) (Rs. in lakh)	**Expected requirement (Rs. in lakh)**
Recurring		
i. Pay & allowance		85.00
ii. Contingency	13.488	19.00
iii. Repair and renovation	5.00	5.00
iii. TA	1.20	2.00
iv. HRD		--
Non-recurring (specify)		
i. Works (Road, threshing floor, drying yard, vehicle and implement shed, irrigation system etc.)		10.00
iv. Furniture & Equipment	4.57699	6.5
v. Vehicle and tractor		0
TOTAL		**52,00000**

Sr. Scientist & Head
KVK,Nabarangpur