REVISED PROFORMA FOR ACTION PLAN 2019-2020

1. Name of the KVK: Boudh

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2.Name of host organization :

Address	Telephone		E mail
	Office	**FAX**	
Orissa University of Agriculture & Technology, Bhubaneswar-751003	0674-2397970	0674-2397780	http://ouat.nic.in

3.Training programme to be organized (April 2019 to March 2020)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production	Nursery Management in rice for production of healthy seedlings	01	01	Isirisinga / Off	26.05.19	-	-	-	-	20	5	20	5	25
	Skill training on line transplanting for management of BPH in paddy	01	01	Badhiagaon/Off	05.06.19	5	-	-	-	20	-	20	5	25
	Method of Nutrient application and importance of Micro-nutrient in paddy	01	01	Khuntiapada/Off	18.06.19	6	5	-	-	10	4	16	9	25
	Chemical weed management in rice with special focus on application methods	01	01	Rampur/ Off	20.06.19	8	-	-	-	17	-	17	-	25
	Weed management practices in maize	01	01	On	26.07.19	7	-	8	-	10	-	25	-	25
	Importance of application of Boron in Maize for increasing the grain filling.	01	01	On	28.07.19	8	-	7	-	10	-	25	-	25

	Weed management of Parasitic Weed (Dodder)	01	01	On	13.08.19	6	0	4	-	15	-	25	-	25
	Package and practices for cultivation of Rabi Green gram	01	01	On	22.09.19	3	3	4	-	15	-	22	3	25
	Importance of Intercropping of sunhemp in Cotton	01	01	On	12.06.19	4	-	8	-	13	-	25	-	25
	Integrated Nutrient Management in Cotton.	01	01	On	30.08.19	8	-	4	-	13	-	25	-	25
	Weed management in rabi groundnut.	01	01	On	04.10.19	14	-	2	-	9	-	25	-	25
	Package and practices for cultivation of short duration pigeon pea.	01	01	On	23.07.19	5	-	12	-	7	-	25	-	25
	Bio-fertilizer application in pulses.	01	01	On	10.09.19	6	3	6	5	5	-	17	8	25
	Soil Health Management	01	01	On	15.11.19	3	2	9	6	4	1	16	9	25
	Millet cultivation for nutritional security	01	01	On	27.06.19	4	6	5	8	2	-	11	14	25
Horticulture	Production technology on Kharif Onion	01	01	Jogendrapur/Off	11.04.18	4	-	-	-	21	-	25	-	25
	Lime application for management of blossom end rot of Tomato.	01	01	Kantamal / Off	14.08.18	9	-	6	-	10	-	25	-	25
	Off-Season vegetable cultivation.	01	01	On	20.09.18	5	-	5	-	15	-	25	-	25
	Integrated weed management in Tomato.	01	01	Khuntiapada/ Off	12.10.18	6	-	-	-	19	-	25	-	25
	Post Harvest Management in Tomato	01	01	On	18.12.18	-	10	-	5	-	10	-	25	25
	Integrated Nutrient Management in Solanaceous	01	01	On	17.01.19	9	-	-	-	16	-	25	-	25

	Vegetables.													
	Production technology in Okra	01	01	On	09.01.19	9	-	-	-	16	-	25	-	25
	Integrated Weed Management In Okra	01	01	Chatania kata/ Off	3.03.19	10	-	-	-	15	-	25	-	25
	Integrated Nutrient Management in Banana	01	01	Khuntaba ndha/ Off	15.12.19	8	-	2	-	15	-	25	-	25
	Use of plant growth regulators in vegetables, Fruit crops.	01	01	On	14.02.19	6	-	5	-	14	-	25	-	25
	Package & Practices in Oil palm cultivation.	01	01	Teleband ha/Off	16.11.19	2	-	5	-	18	-	25	-	25
Plant Protecti on	Validated IPM interventions for Onion & Garlic.	01	01	Jogendra pur/Off	2.01.19	5	-	-	-	20	-	25	-	25
	Flower and Fruit drop management in Mango against disease, hormonal imbalance and insects.	01	01	P.cuttack / Off	03.03.19	3	-	6	-	16	-	25	-	25
	Wilt management in cucurbits.	01	01	Madhupu r/Off	27.03.19	4	-	2	-	19	-	25	-	25
	Indigenous technology knowledge in insect pests &disease control.	01	01	Bhuktapa da/Off	14.07.19	3	3	5	10	-	4	25	-	25
	Nematode management in vegetables.	01	01	Erda/Off	18.08.19	15	-	-	-	10	-	25	-	25
	Pest survey & surveillance	01	01	Jamatang i/ Off	21.08.19	4	-	2	-	19	-	25	-	25
	Rodent pest management in Rice.	01	01	Bamanda / Off	29.06.19	4	-	4	-	17	-	25	-	25
	Wilt management in solanaceous crops & watermelon	01	01	Podagud a/ Off	05.07.19	-	-	-	-	25	-	25	-	25
	Identification of insect pest & bio agent in field	01	01	On	09.01.19	6	-	7	-	12	-	25	-	25

	conditions.													
	IPM in Mite management in cereals and vegetables.	01	01	On	23.01.19	4	-	4	-	17	-	25	-	25
	Cultural practices for management insect pest & disease of crops grown in Boudh district	01	01	On	28.09.19	3	-	6	-	16	-	25	-	25
Agril. Extension	Development of Integrated farming system for small & marginal farmers	01	01	On	27.11.19	5	-	5	-	15	-	25	-	25
	Care and maintenance of farm machinery and implements.	01	01	On	5.03.19	4	-	6	-	15	-	25	-	25
	Stress management & enhancing work efficiency in agriculture	01	01	On	30.08.19	2	2	1	1	10	9	13	12	25
	Farm planning for profit maximization	01	01	On	22.07.19	2	-	2	-	21	-	25	-	25
	Safe handling & use of plant protection equipments	01	01	On	18.11.19	5	-	5	-	15	-	25	-	25
	Formation & management of SHGs.	01	01	On	20.08.19	-	5	-	5	-	15	25	-	25
	Soil sampling methods & nutrient management	01	01	On	22.10.19	6	-	4	-	15	-	25	-	25
	Training on Marketing linkage on Rabi Onion	01	01	Jogendra pur/Off	21.02.19	5	-	5	-	15	-	25	-	25
	Vermi-compost making & its application	01	01	Badhigaon/Off	17.06.19	5	-	-	-	20	-	25	-	25
	Training on unsustainable backward poultry farming	01	01	Baghiapada/Off	26.11.19	3	2	2	3	7	8	12	13	25

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production	Preparation of different organic inputs for crop management	01	02	On	13.12.19	2	2	1	2	2	6	5	10	15
Horticulture	Protected cultivation of vegetables	01	02	On	24.01.20	4	-	3	-	8	-	15	-	15
	Post harvest management of vegetables	01	02	On	31.01.19	-	4	-	3	-	8	-	15	15
Plant Protection	Use of different traps for insect pest management	01	02	On	26.10.19	3	-	4	-	8	-	15	-	15
	Method of spraying & preparation of pesticide formulation.	01	02	On	6.12.19	6	-	2	-	7	-	15	-	15
Agril. Extension	Potential entrepreneurial opportunity in livestock system	01	02	On	6.12.19	2	-	2	-	11	-	15	-	15
	Potential entrepreneurial opportunity in Agri-horti system	01	02	On	8.01.19	2	-	2	-	11	-	15	-	15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production	Integrated Nutrient Management in Oilseeds with emphasis on groundnut	01	01	Off	12.08.19	-	-	-	-	-	-	-	-	15
Horticulture	Physiological disorder in fruits crops	01	01	Off	19.11.19	-	-	-	-	-	-	-	-	15
Plant Protection	Climatic change & its effect on insect pest & pest risk analysis	01	01	Off	2.12.19	-	-	-	-	-	-	-	-	15
Agril. Extension	Application of new media in extension	01	01	Off	28.01.19	-	-	-	-	-	-	-	-	15
	Motivational and communication skills for extension personnel	01	01	Off	16.08.19	-	-	-	-	-	-	-	-	15

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	04	42	-	42	22	-	22	11	-	11	75	-	75
Resource Conservation Technologies	02	9	1	10	9	5	14	15	11	26	33	17	50
Cropping Systems	01	13	-	13	4	-	4	8	-	8	25	-	25
Crop Diversification	01	2	-	2	4	6	10	5	8	13	11	14	25
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	01	20	5	25	-	-	-	-	-	-	20	5	25
Integrated Crop Management	01	13	-	13	8	-	8	4	-	4	25	-	25
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, (cultivation of crops)	05	62	4	66	30	5	35	23	-	23	151	9	160
TOTAL	15	161	10	171	77	16	93	66	19	85	204	45	545
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	01	16	-	16	9	-	9	-	-	-	25	-	25
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	03	57	-	51	19	-	19	5	-	5	75	-	75
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	01	15	-	15	5	-	5	5	-	5	25	-	25
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Cultivation of Vegetable)	04	44	-	44	25	-	25	6	-	6	75	-	75
TOTAL	09	132	-	126	58	-	58	16	-	16	200	-	200
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	01	15	-	15	8	-	8	2	-	2	25	-	25
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any(INM)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	01	15	-	15	8	-	8	2	-	2	25	-	25
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management	01	18	-	18	5	-	5	2	-	2	2	25	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technology													
Processing and value addition													
Others, if any													
TOTAL	01	18	-	18	5	-	5	2	-	2	2	25	-
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	01	20	-	20	5	-	5	-	-	-	25	-	25
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	01	15	-	15	6	-	6	4	-	4	25	-	25
Others, if any													
TOTAL	02	35	-	35	11	-	11	4	-	4	50	-	50
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	01	7	8	15	2	3	5	3	2	5	25	-	25
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL	01	7	8	15	2	3	5	3	2	5	25	-	25
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	01	-	15	15	-	5	5	-	-	5	25	-	25
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	01	10	9	19	2	2	4	1	1	2	13	12	25
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	02	10	24	34	2	7	9	1	1	7	38	12	50
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	01	15	-	15	4	-	4	6	-	6	25	-	25
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL	01	15	-	15	4	-	4	6	-	6	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
VII. Plant Protection													
Integrated Pest Management	02	37	-	37	9	-	9	4	-	4	50	-	50
Integrated Disease Management	01	44	-	44	4	-	4	2	-	2	50	-	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	06	90	-	90	35	-	35	18	-	18	143	-	143
TOTAL	9	171	-	171	48	-	48	24	-	24	243	-	243
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	01	15	-	15	5	-	5	5	-	5	25	-	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths	01	21	-	21	2	-	2	3	-	3	25	-	25
WTO and IPR issues													
Others, if any													
TOTAL	02	36	-	36	7	-	7	8	-	8	50	-	50
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems	01	15	-	15	5	-	5	5	-	5	25	-	25
TOTAL	01	15	-	15	5	-	5	5	-	5	25	-	25
XII. Others (Pl. Specify)													
TOTAL													

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs	01	2	6	8	2	2	4	1	2	3	5	10	15
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	01	8	-	8	4	-	4	3	-	3	15	-	15
Commercial fruit production													
Repair and maintenance of farm machinery	01	7	-	7	2	-	2	6	-	6	15	-	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology	01	-	8	8	-	4	4	-	3	3	-	15	15
Tailoring and Stitching													
Rural Crafts													
Enterprise	02	22	-	22	2	-	2	2	-	2	30	-	30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
development													
Others if any (ICT application in agriculture)	01	8	-	8	3	-	3	4	-	4	15	-	15
TOTAL	07	47	14	61	13	6	19	16	5	21	80	25	105

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	01	-	-	-	-	-	-	-	-	-	15	-	15
Integrated Nutrient management	01	-	-	-	-	-	-	-	-	-	15	-	15
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	01	-	-	-	-	-	-	-	-	-	15	-	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient													

efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	01	-	-	-	-	-	-	-	-	-	11	4	15
TOTAL	03	-	-	-	-	-	-	-	-	-	56	4	60

2. 1. Frontline demonstration to be conducted

Crop: Paddy
Thrust Area: Low yield due to moisture stress
Thematic Area: Integrated Crop Management
Season: Kharif-2019
Farming Situation: Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy	0.5	Swarna Shreya is suitable for rainfed upland area with duration 120-125 days. It has capacity to with stand drought and also tolerant to many disease and insect . Average productivity is 4.5 to 5.0 t/ha	Effective panicles/ m^2 , No of field grains / panicle 1000 grain weight	Swarna Shreya	21612	20962	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Nursery Management in rice for production of healthy seedlings	1	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 2. Frontline demonstration to be conducted

Crop: Paddy
Thrust Area: Yield loss due to weeds
Thematic Area: Weed Management
Season: Kharif-2019
Farming Situation: Medium Land & Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy	1.0	Pendimethalin is a pre emergence herbicide which gives wide spectrum of weed control like grasses, sedges and broadleaf weeds. The mode of action of herbicide is inhibition of root and shoot growth resulting in inhibition of emergence. Bispyribac sodium is a post emergence herbicide which also gives wide spectrum of weed control with ALS inhibitions mode of action restricting production of essential amino acids.	Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight	Pendimethalin @ 750 g/ha as pre-emergence & Bispyribac sodium @ 25 g/ha	21612	20962	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Chemical weed management in rice with special focus on application methods	1	F/FW	01	OFF	-	-	-	-	-	-	-	-	-

2. 3. Frontline demonstration to be conducted

Crop: Paddy
Thrust Area: More Weeds
Thematic Area: Integrated Weed Management
Season: Kharif-2019
Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Cotton	1.0	Pendimethalin is a pre emergence herbicide which gives wide spectrum of weed control like grasses, sedges and broadleaf weeds. post emergence application of Quizalop p-ethyl helps in controlling grassy Weeds. It also helps in reducing no of Weeds /m2	Yield qt/ha, Plant height, Fiber length, fiber strength, Fiber Finess, Boll weight,No. of Bolls per plant	Pendimethalin @ 1.0 kg ai/ha & Quizalop p-ethyl@50 g ai/ha	21612	20962	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Integrated Nutrient Management in Cotton	1	F/FW	01	OFF	-	-	-	-	-	-	-	-	-

2. 4. Frontline demonstration to be conducted*

Crop: Paddy
Thrust Area: Sweetcorn
Thematic Area: Crop diversification
Season: Rabi-2019-20
Farming Situation: Upland irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	HYV Sweet Corn	1.0	Plant height 5-6 ft, maturity :78-85 days.50% Silking : 53-55 days.Population/ha:55000 -60000.& seed treated with bio-fertilizers before sowing and application of chemical fertilizers@120:60:60kg N:P:K/ha	No. of Cobs per plant,grain weight /plant	Growing of Hybrid Sweet corn Var- Sugar 75	11362	10412	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Importance of application of Boron in Maize for increasing the grain filling	1	F/FW	01	OFF	-	-	-	-	-	-	-	-	-

2. 5. Frontline demonstration to be conducted

Crop: Chilli
Thrust Area: Improper fertilizer application
Thematic Area: Integrated Nutrient Management
Season: Kharif, 2019
Farming Situation: Rainfed Vegetable-Vegetable

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Chilli Var. Krishna	1.0 ha 10 Nos	Application of 75% recommended dose of N (100 kg/ha) along with full P & K (60 kg/ha) and Azospirillum (10 kg/ha) recorded highest Green Chilli Yield.	Number of Fruits/Plant, Avg Yield/Plant, Yield.	N:P:K & Azospirillum	28286	27336	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	INM in chilli	1	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 6. Frontline demonstration to be conducted

Crop: Banana
Thrust Area: Imbalanced dose of Fertilizer application
Thematic Area: Integrated Nutrient Management
Season: Kharif, 2019
Farming Situation: Medium and Irrigated Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
2	Banana	1.0 ha 10 Nos	Application of 75% of RDF (300:100:300 gm NPK/Plant)+ 125 gm each of Azotobactor, Azospirillum & PSB incubated in FYM /Plant resulted higher Yield	Avg. no . of Hand /Bunch, Avg. Bunch wt.,Total Yield	N:P:K Azotobactor, Azospirillum & PSB	65465	55346	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Agro techniques of banana cultivation	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 7. Frontline demonstration to be conducted

Crop: Onion
Thrust Area: Low Yield due to Weed Infestation
Thematic Area: Weed Management
Season:Rabi-2019-20
Farming Situation: Irrigated Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Onion Agrifound Light Red	1.0 ha 10 Nos	Pre – emergence application of Pendimethalin 750gm/ha followed by application of quizalofop-p-ethyl @50gm/ha at 20 DAS is most effective in controlling Weed complex in Onion	Weed count at 20DAT, 30DAT, Avg.Bulb Weight,Total Yield	Pendimethalin & quizalofop-p-ethyl	31273	30000	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Production technology of kharif onion	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 8. Frontline demonstration to be conducted

Crop: Tomato
Thrust Area: Low Yield due to Blossom end rot
Thematic Area: Integrated Crop Management
Season: Rabi-2019-20
Farming Situation: Irrigated Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato Arka Rakhyak	1.0 ha 10 Nos	Arka Vegetable special for micro-nutrient supplement (IIHR, Bengaluru) 12.5kg/ha innoculated with FYM	% of Fruits affected with blossom end rot, Avg. Fruit wt., Yield	Lime inoculated with FYM	29665	28500	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Post harvest management of vegetables	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 9. Frontline demonstration to be conducted

Crop: Pumpkin
Thrust Area: Severe infestation of fruit flies & indiscriminate insecticide use
Thematic Area: Insect Management
Season: Rabi 2019-20
Farming Situation: Irrigated Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Pumpkin	2.0 ha 10 Nos	Soil application of chlorpyriphos dust around the plant at 30 DAG, placement & Application of jaggery (100g), dichlorvos (2ml) & water (1 lit) poison bait (BAT) , Installation of cue lure @ 20/ha (MAT) & Periodic removal and destructions of damaged fruits effectively reduced the fruit damaged.	No. of fruits damaged/plant	chlorpyriphos dust & jaggery (100g), dichlorvos (2ml) & water (1 lit) poison bait (BAT) , Installation of cue lure @ 20/ha (MAT)	17994	15800	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Use of different traps for insect pest management	01	RY	02 days	ON	-	-	-	-	-	-	-	-	-

2. 10. Frontline demonstration to be conducted*

Crop: Chilli
Thrust Area: Severe infestation of chilli thrips
Thematic Area: Insect Management
Season: Rabi 2019-20
Farming Situation: Irrigated Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chilli	1.0 ha 10 Nos	Spray of Acephate @ 1.5 g/L + Neem oil @ 2 ml/L followed by spray of Cyazypy @ 1.5 Ml/L at weekly interval till fruit formation	No. of sucking pest in three leaves	Acephate @ 1.5 g/L + Neem oil @ 2 ml/L & Cyazypy @ 1.5 Ml/L	28286	27000	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Wilt management in solanaceous crops	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 11. Frontline demonstration to be conducted

Crop: Mango
Thrust Area: Severe fruits & flowers drops before maturity due to happers
Thematic Area: Insect Pest Management
Season: Rabi 2019-20
Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Mango	1.0 ha 10 Nos	Four sprays of Metarhizium anisopliae oil formulation @ 0.5 ml/L at weekly interval	Presence of hoppers in cracks and crevices of truns, presence of honey dew	Metarhizium anisopliae oil formulation @ 0.5 ml/L	85000	79000	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Flower & fruit drop management in Mango	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

3. 12. Frontline demonstration to be conducted

Crop: Watermelon
Thrust Area: Severe wilt
Thematic Area: Insect Pest Management
Season: Rabi 2019-20
Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Watermelon	1.0 ha 10 Nos	Seed treatment with Talc based formulation bioagent Trichoderma or Pseudomanas @ 30-50 gms/kg of seeds formings slerre + Seedling dranch near root zone @ 25 gm/lit of water as suspension after 15-20 DAS (2-4 leaf stage)	Primary symptom is a discoloration of Vascular system as cross section of roots or stem. A brown colour necrotic streak is observed externally on lower stem extending vine.	Trichoderma or Pseudomanas @ 30-50 gms/kg of seeds formings slerre + Seedling dranch near root zone @ 25 gm/lit	85000	79000	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1	Wilt management in cucurbits	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

2. 13. Frontline demonstration to be conducted

Crop: Tomato

Thrust Area: Farmers are getting text messages and advisories from various organization

Thematic Area: Information networking among farmers

Season: Kharif -2019

Farming Situation: Irrigated Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Tomato	10 Nos	Production package will be divided into different segments and short videos will be produced and disseminated through whatsapp	1.Understanding the method and process depicted in the video. 2. Retention of the message	short videos will be produced and disseminated through whatsapp.	65000	50000	-	-	-	-	-	-	-	-	-

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Motivational and communication skills for extension personnel	01	F/FW	01 day	OFF	-	-	-	-	-	-	-	-	-

3. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Brinjal	JK-8031	June- March	0.008	Bulk	2.0 qt	1040	2000	960
Tomato	Laxmi, Arka Samarat	June- March	0.008	Bulk	2.5 qt	1080	2500	1420
Chilli	Pusa Jwala	Oct-Mar	0.004	Bulk	60 kg	480	1500	1020
Cabbage	Harekrushna	Oct-Mar	0.004	Bulk	80 kg	320	1600	1280
Cauliflower	Megha	Oct-Mar	0.004	Bulk	90 kg	360	1800	1440
Onion	Bhima super, Bhima super dark red	Sep-Feb	0.008	Bulk	3.0 qt	800	3000	2200
Drumstick	PKM-1	Jul-Oct	-	Bulk	1000 Nos	1000	10,000	9,000
Mango	Amarapali	Jul-Mar	-	Bulk	100 Nos	1000	3500	2,500
Papaya	Red lady	Jul-Nov	-	Bulk	1000 Nos	4000	20,000	16,000
Other materials	Vermi-compost	Year Round	-	Bulk	25 qts	10,000	25,000	15,000
Poultry Chicks	Rain Booster	Oct-Feb	-	Bulk	600 Nos	17,000	30,000	13,000
Mushroom	Paddy Straw & Oyster	Jun-Feb	-	Bulk	2.0 qt	10,000	20,000	10,000

b) Village Seed Production Programme: NA

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

4. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day											
2.	KisanMela	1										
3.	KisanGhosthi	1										
4.	Exhibition	3										
5.	Film Show	12										
6.	Method Demonstrations											
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings											
10.	Lectures delivered as resource persons											
11.	Advisory Services KMAS	42										
12.	Scientific visit to farmers field	180										
13.	Farmers visit to KVK	200										

14.	Diagnostic visits	80										
15.	Exposure visits	2										
16.	Ex-trainees Sammelan											
17.	Soil health Camp											
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns	7										
21.	Farm Science Club Conveners meet	3										
22.	Self Help Group Conveners meetings	5										
23.	MahilaMandals Conveners meetings											
24.	Celebration of important days (specify)	15										
25.	Sankalp Se Siddhi	01										
26.	Swatchta Hi Sewa											
27.	Mahila Kisan Diwas	01										
28.	Any Other (Specify)											
	Total	**553**										

5. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return

6. Expected fund from other sources and its proposed utilization

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

7. 1. On-farm trials to be conducted

i. **Season: Kharif- 2019(Year II)**
ii. **Title of the OFT:** Assessment of rice varieties tolerant to BPH during Kharif
iii. **Thematic Area:** Varietal evaluation
iv. **Problem diagnosed:** Low yield due to high BPH/WBPH infestation
v. **Important Cause:** No knowledge about tolerant variety
vi. **Production system:** line transplanting
vii. **Micro farming system:** Rainfed Low land area
viii. **Technology for Testing:** Hasanta (OR-2328-5) suitable for rainfed /irrigated shallow low land, 145 days duration, Avg.yield: 3.9 t/ha tolerant to BPH, WBPH, Blast, Leaf folder
ix. **Existing Practice:** Cultivation of swarna paddy variety (140-145 days duration) Medium Bold Grain
x. **Hypothesis:** Tolerant variety reduces BPH/WBPH attack at early stage and reduces production risks
xi. **Objective(s):**Reduce cost of chemicals used against BPH/WBPH
xii. **Treatments:**
Farmers Practice (FP): Cultivation of swarna paddy variety (140-145 days duration) Medium Bold Grain
Technology option-I (TO-I): Cultivation of tolerant variety Hasant
Technology option-II (TO-II): Cultivation of tolerant variety Pooja
xiii. **Critical Inputs:** Seed var. Hasanta
xiv. **Unit Size:** 0.5 ha
xv. **No of Replications:** 07 Nos
xvi. **Unit Cost:** 2600
xvii. **Total Cost:** 2600
xviii. **Monitoring Indicator:** BPH count/$m^{2,}$ Effective panicles/ $m^{2,}$ No of filled grains/Panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Rice, Chiplima, Odisha-2005

2. On-farm trials to be conducted

i. **Season:** Rabi-2019-20
ii. **Title of the OFT:** Assessment of different Herbicides for weed management in green gram
iii. **Thematic Area:** Integrated Crop Management
iv. **Problem diagnosed:** Lower yield due to high weed infestation
v. **Important Cause:** High incidence of Chenopodium album
vi. **Production system:** Line sowing
vii. **Micro farming system:** Irrigated upland
viii. **Technology for Testing:** The application of pre-emergence & post-emergence herbicides
ix. **Existing Practice:** Cultivation of Green gram without any weed management practices
x. **Hypothesis:** Pre-emergence of application of herbicides reduces the weed
xi. **Objective(s):** Reduced the labour cost through chemical weeding
xii. **Treatments:**

Farmers Practice (FP): Cultivation of Green gram without any weed management practices

Technology option-I (TO-I): The application of Pendimethalin @ 1 kg/ha as pre emergence

Technology option-II (TO-II): The application of Imazethapyr @ 75 g/ha as post emergence at 20 DAS

Technology option-III (TO-III): The application of Pendimethalin @ 1 kg/ha as pre emergence fb Imazethapyr @ 75 g/ha as post emergence at 20 DAS

xiii. **Critical Inputs:** Pendimethalin @ 1 kg/ha as pre emergence & Imazethapyr @ 75 g/ha as post emergence at 20 DAS
xiv. **Unit Size:** 0.5 ha
xv. **No of Replications:** 07 Nos
xvi. **Unit Cost:** Rs. 625/-
xvii. **Total Cost:** Rs. 625/-
xviii. **Monitoring Indicator:** Weed density,Weed control efficiency, Grain yield, No. of pods/plant, No. of grains /pod
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SLREC proceedings 2014 (Aicrp on mullarp)

3. On-farm trials to be conducted

i. **Season:** Kharif-2019
ii. **Title of the OFT:** Assessment of Onion Varieties of Kharif Season
iii. **Thematic Area:** Varietal trial
iv. **Problem diagnosed:** Low yield due to Unavailabiliy of Suitable variety
v. **Important Cause:** Unavailability of Suitable variety in Kharif season
vi. **Production system:** Line sowing
vii. **Micro farming system:** Irrigated upland
viii. **Technology for Testing:** BHIMA SUPER-Bulbs are pink light colour,globular in shape,matured in 100-110 DAT. Recommended for growing on Kharif season to all over the country & Yield 20-22 t/ha. & Bhima Dark Red -Bulbs are dark Red in colour, globular in shape, matured in 100-110 DAT. Recommended for growing on Kharif season to all over the country & Yield 20-22 t/ha.
ix. **Existing Practice:** AFDR
x. **Hypothesis:** Improved Storage ability of Kharif Onion
xi. **Objective(s):** Good market price during Rabi harvesting
xii. **Treatments:**

Farmers Practice (FP): AFDR

Technology option-I (TO-I): BHIMA SUPER

Technology option-II (TO-II): BHIMA DARK RED

xiii. **Critical Inputs:** Seed variety Bhima Super, Bhima Dark Red
xiv. **Unit Size:** 0.5 ha
xv. **No of Replications:** 07 Nos
xvi. **Unit Cost:** Rs.6000/-
xvii. **Total Cost:** Rs.6000/-
xviii. **Monitoring Indicator:**
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AINRP on Onion & Garlic SLREC-2015

4. On-farm trials to be conducted

i. **Season:** Rabi-2019-20
ii. **Title of the OFT:** Assessment of Triple disease resistant tomato hybrid Arka Rakshak & Arka Samrat during Rabi Season
iii. **Thematic Area:** Varietal Evaluation
iv. **Problem diagnosed:** Unavailability of Wilt Resistant Variety
v. **Important Cause:** Unavailability of resistant variety
vi. **Production system:** Line sowing
vii. **Micro farming system:** Irrigated Upland
viii. **Technology for Testing:** Arka Rakshak First F1 hybrid with triple disease resistant to ToLCV, BW and early blight. Fruits square round, large(90-100g),deep red coloured and firm.Suitable for fresh market and processing.Yield: 75-80 t0ha. in 140 days. Seed 100g/ha**.** & Arka Samrat First F1 hybrid with triple disease resistant to ToLCV, BW and early blight. Fruits obtale to high round, large(90-100g),deep red and firm. Suitable for fresh market.Yield: 80-85 t/ha in 140 days.
ix. **Existing Practice:** Use of HYV Laxmi
x. **Hypothesis:** It reduces the production cost
xi. **Objective(s):** Popularization of Triple disease resistant tomato hybrid Arka Rakshak & Arka Samrat
xii. **Treatments:**

Farmers Practice (FP): Use of HYV Laxmi

Technology option-I (TO-I): Arka Rakshak

Technology option-II (TO-II): Arka Samrat

xiii. **Critical Inputs:** Hybrid Seed Arka Rakshak & Arka Samrat
xiv. **Unit Size:** 0.5 ha
xv. **No of Replications:** 07 Nos
xvi. **Unit Cost:** Rs.10000/-
xvii. **Total Cost:** Rs.10000/-
xviii. **Monitoring Indicator:**
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-IIHR,BENGALURU,2016

5. On-farm trials to be conducted

i. **Season:** Kharif-2019
ii. **Title of the OFT:** Assessment of IPM modules for fruit & shoot bore in Kharif Brinjal
iii. **Thematic Area:** Integrated Pest Management
iv. **Problem diagnosed:** High incidence of fruit & shoot boror
v. **Important Cause:** Indiscriminate use of pesticides
vi. **Production system:** Line Transplanting
vii. **Micro farming system:** Irrigated upland
viii. **Technology for Testing:** Collection and destruction of damaged shoots & fruits, installation of pheromone traps for Lorbonalis @ 25 nos. /ha & release of Trichogramma chilonis @ 50000/ha 10 days interval 6 times followed by spraying of Neem oil 1500 ppm @ 5ml/lit at weekly intervals & Application of Spinosad 4 Ml/ 10 lit at weekly intervals
ix. **Existing Practice:** Repeated sprays of one type of insecticide (Cypermethirin & Thimet)
x. **Hypothesis:** To control the population of male shoot & fruit borer
xi. **Objective(s):** To minimize pesticides use and health hazards
xii. **Treatments:**

Farmers Practice (FP): Repeated sprays of one type of insecticide (Cypermethirin & Thimet)

Technology option-I (TO-I): Collection and destruction of damaged shoots & fruits, installation of pheromone traps for Lorbonalis @ 25 nos. /ha & release of Trichogramma chilonis @ 50000/ha 10 days interval 6 times followed by spraying of Neem oil 1500 ppm @ 5ml/lit at weekly intervals

Technology option-II (TO-II): TO 1 + Application of Spinosad 4 Ml/ 10 lit at weekly intervals

xiii. **Critical Inputs:** Pheromone traps for Lorbonalis @ 25 nos. /ha & release of Trichogramma chilonis @ 50000/ha 10 days interval 6 times ,Neem oil 1500 ppm @ 5ml/lit at weekly intervals
xiv. **Unit Size:** 0.5 ha
xv. **No of Replications:** 07 Nos
xvi. **Unit Cost:** Rs. 6660/-
xvii. **Total Cost:** Rs. 6660/-
xviii. **Monitoring Indicator:** No of infested twig, moth catches/trap, no of infested fruits
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NRRI, Cuttack, Odisha-2002

6. On-farm trials to be conducted

i. **Season:** Kharif-2019
ii. **Title of the OFT:** Assessment of fungicide against Banana wilt in Kharif season
iii. **Thematic Area:** Integrated Disease Management
iv. **Problem diagnosed:** Paname Wilt
v. **Important Cause:** Severe Wilting in Banana
vi. **Production system:** Tissue Culture Banana in Pit method
vii. **Micro farming system:** Irrigated Upland
viii. **Technology for Testing:** Application of Neem cake @ 250 g/plant + Application of lime ($CaCo_3$) @ 10g/plant + sucker dipping in Carbendazim (0.2%) for 30 minutes + carbendazim drenching (0.2%) @ 3.5 L/plant (2^{nd} 4^{th} 6^{th} MAP) & Carbendazim injection @ 3 Ml of 2% solution (3^{rd} 5^{th} 7^{th} MAP)
ix. **Existing Practice:** Pre-planting pit management is not practiced
x. **Hypothesis:** Pro-Phylactic measures prevents the disease

xi. **Objective(s):** Preventive measure for wilt management

xii. **Treatments:**

Farmers Practice (FP): Pre-planting pit management is not practiced

Technology option-I (TO-I): Application of Neem cake @ 250 g/plant + Application of lime ($CaCo_3$) @ 10g/plant + sucker dipping in Carbendazim (0.2%) for 30 minutes + carbendazim drenching (0.2%) @ 3.5 L/plant (2^{nd} 4^{th} 6^{th} MAP

Technology option-II (TO-II): TO 1 + Carbendazim injection @ 3 Ml of 2% solution (3^{rd} 5^{th} 7^{th} MAP

xiii. **Critical Inputs:** Neem cake @ 250 g/plant + Application of lime ($CaCo_3$) @ 10g/plant + sucker dipping in Carbendazim (0.2%) for 30 minutes + carbendazim drenching (0.2%) @ 3.5 L/plant & Carbendazim injection @ 3 Ml of 2% solution

xiv. **Unit Size:** 0.5 ha

xv. **No of Replications:** 07 Nos

xvi. **Unit Cost:** Rs.12050/-

xvii. **Total Cost:** Rs.12050/-

xviii. **Monitoring Indicator:**

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NRRI, Cuttack, Odisha-2002

7. On-farm trials to be conducted

i. **Season: Rabi- 2019-20**

ii. **Title of the OFT:** Assessment of different planting time for better market price of Tomato

iii. **Thematic Area:** Marketing Management

iv. **Problem diagnosed:** Distress sale of Tomato in Rabi season

v. **Important Cause:** No godown, No Marketing linkage

vi. **Production system:** Staggered planting technique

vii. **Micro farming system: Upland Irrigated**

viii. **Technology for Testing:** Planting of seedling 15 days before onset of normal planting period & Planting of seedling 15 days after onset of normal planting period.

ix. **Existing Practice:** Normal sowing window**.**

x. **Hypothesis:** Planting time will be coincide with peak marketing demand.

xi. **Objective(s):** To prevent distress sale.

xii. **Treatments:**

Farmers Practice (FP): Normal sowing window**.**

Technology option-I (TO-I): Planting of seedling 15 days before onset of normal planting period

Technology option-II (TO-II): Planting of seedling 15 days after onset of normal planting period

xiii. **Critical Inputs:** Observation questionnaires

xiv. **Unit Size:** 0.5 ha

xv. **No of Replications:** 07 Nos

xvi. **Unit Cost: -**

xvii. **Total Cost: -**

xviii. **Monitoring Indicator:** Plant height,No. of fruits / plant, Fruit wt., Disease and pest incidence, Market price

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** International journal of agricultural research innovation & technology, www.ijarit.webs

10. List of Projects to be implemented by funding from other sources (other than KVK fund) : NA

Sl. No.	Name of the project	Fund expected (Rs.)

11. No. of success stories proposed to be developed with their tentative titles

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
21.12.2018	20.12.2019

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples												
Water Samples												
Other (Please specify)												
Total												

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
Total		

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data.