



Annual Action Plan – 2019-20



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ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, BHUBANESWAR

At/ PO – Kirei – 770073, Dist Sundargarh, Odisha

ANNUAL ACTION PLAN 2019-2020

1. Name of the KVK: Sundargarh-I

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2. Name of host organization :

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

(a) Farmers and farmwomen

Sl No	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					
1.	IWM	Importance of summer ploughing for controlling weed and enrichment of soil	1	2	off	7 th June														25
2.	IWM	Line sowing method in DSR	1	2	off	12 th June														25
3.	IWM	Method of application of herbicide in DSR	2	2	off	26 th & 30 th July														50
4.	IWM	weed management in groundnut	2	2	off	10 th July														50
5.	ICM	cultural operation in groundnut	1	2	off	8 th Aug														25
6.	Nursery management	Techniques of nursery raising in rice	1	2	off	28 th June														25
7.	ICM	Integrated nutrient mgt in rice	1	2	off	22 nd Aug														25
8.	IWM	Application of herbicide in Black gram/Green gram for controlling of weed	2	2	off	4 th Sept														50
9.	ICM	Scientific method of mustard cultivation	1	2	off	31 st Oct														25
10.	ICM	Improved method of ragi cultivation	2	2	off	16 th July														50
11.	ICM	Mgt of rice crop under moisture stress condition	1	2	off	18 th Sept														25
12.	ICM	INM in mustard	1	2	off	21 st Nov														25
13.	IWM	weed mgt in Kharif groundnut	1	2	off	20 th July														25
14.	Crop diversification	Importance of diff. cultural practices in arhar	1	2	off	20 th Aug														25

Sl No	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					
15.	IPM	Pest and disease management in fruit orchard	1	1	off	23 th Nov														25
16.	IDM	Pest and disease management in pulses	2	2	off	20 th August														50
17.	IPM	IPDM in rice	2	2	off	5 th July														50
18.	IDM	Disease management in vegetables	2	2	off	1 st Nov														50
19.	Production of bio control agents and bio pesticides	Use of bio control pest in vegetables	2	2	off	30 th Oct														50
20.	Production of bio control agents and bio pesticides	Use of Biocontrol agents in Rice	2	2	off	24 th July														50
21.	IPM	Control and management of rodents	1	1	off	19 th Sept														25
22.	IPM	Management of stored grain pest	1	1	off	28 th Dec														25
23.	IDM	Disease and post harvest management of pulses	1	1	off	12 th Feb														25
24.	Pisciculture	Pre- stocking management in fish pond,	2	1	off	25 June														75
25.	Pisciculture	Post stocking management in fish pond,	2	1	off	1 July														
26.	Pisciculture	Feed management in ponds for enhancing productivity in fish pond,	2	1	off	19 July														
27.	Pisciculture	Training on application of CIFAX in ponds	3	2	off	26 Nov.														75
28.	Ornamental Fish	Basic ornamental fish keeping	1	1	Off	1 Oct.														
29.	Poultry rearing	Training on rearing and brooding of backyard poultry	5	2	off	29 Nov.														125
30.	IGA	Production of paddy straw mushroom for income generation	2	2	Off	25-26th June 2019														50

Sl No	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					
31.	IGA	Post harvest management of paddy straw mushroom bed	2	1	Off	6th July 2019														25
32.	IGA	Production of Oyster mushroom for income generation	2	2	Off	1-2 Nov2019														25
33.	IGA	Post harvest management of Oyster mushroom bed	1	1	Off	25th Nov2019														25
34.	Household food security by nutritional gardening	Nursery raising of vegetables under low cost tunnel and pro tray	2	2	Off	19-20th June 2019														25
35.	Household food security by nutritional gardening	Layout of backyard garden	2	1	Off	6th July 2019														25
36.	Household food security by nutritional gardening	Scope and importance of a nutritional garden in backyard	2	1	Off	7th July 2019														25
37.	Household food security by nutritional gardening	Preparation of Nutritional garden in Backyard	2	1	Off	8th July 2019														25
38.	IGP	Recycling of homestead waste and agri-waste for composting	2	1	Off	9th July 2019														25
39.	Storage loss minimization techniques	Method and structures for safe storage of pulses	2	1	Off	17th June 2019														25
40.	Storage loss minimization techniques	Grain pro super bag for safe storage of pulses	2	1	Off	20th June 2019														25
41.	Location specific drudgery	Use agricultural implements for drudgery reduction of farm women	2	1	Off	20th Dec 2019														25

Sl No	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				
	reduction technologies																		
42.	Value addition	Increase shelf life of tomato through tomato powder	1	2	On	12 Jan, 2020													25

b. Rural youths

Sl No	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				
1.	Production of organic inputs	Different method of compost preparation	1	2	On	16-17 Sept.2019													15
2.	Production of organic inputs	Techniques of organic farming	1	2	On	24-25 Oct.2019													15
3.	Seed Production	Seed production technology in greengram	1	2	On	14 -15Nov 2019													
4.	Bee Keeping	Beekeeping and rearing	1	3	On	14-16 Jan2020													
5.	IGA	Potential entrepreneurial opportunities in livestock system	1	4	On	18-22 Nov 2019													15
6.	IGA	Potential entrepreneurial opportunities in Agri-horti system	1	4	On	16-19 June 2019													15
7.	Value addition	Ragi biscuits for nutritional security	1	2	On	12-13 Jan2020													15
8.	Entrepreneurship development	Commercial mushroom production	1	5	On	15-20 Oct 2019													15
9.	Value addition	Value addition of Under utilize fruits	1	3	On	20-23 Feb 2020													15
10.	Value addition	Different practices to preserve the tomato	1	2	On	27 -28 Dec 2019													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				
Productivity enhancement in field crops	INM in green gram	1	1	on	18 Dec 2019													15
Productivity enhancement in field crops	Pigeon pea based intercropping system	1	1	on	13 Aug 2019													15
ICM	characteristics of diff arhar varieties	1	1	on	22 July 2019													15
IPM	Training on management of YSB in rice, recent advances	1	1	On	8 July 2019													15
ICT	Application of new media in extension	1	2	On	4-5 Dec2019													15
OTHERS (Motivation)	Motivational and communication skills for extension personnel	1	2	on	20-22 Feb.2020													15
Gender mainstreaming through SHG	Enterpreneurship development among farm women	1	1	On	20 Nov 2019													

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	8												200
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	2												50
Integrated Farming													
Water management													
Seed production													
Nursery management	1												25
Integrated Crop Management	7												175
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
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)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
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													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													

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				
Propagation techniques of Ornamental Plants														
Others, if any														
TOTAL														
d) Plantation crops														
Production and Management technology														
Processing and value addition														
Others, if any														
TOTAL														
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														
Management of Problematic soils														
Micro nutrient deficiency in crops														
Nutrient Use Efficiency														
Soil and Water Testing														
Others, if any														
TOTAL														
IV. Livestock Production and Management														
Dairy Management														
Poultry Management	2													50
Piggery Management														
Rabbit Management														
Disease Management														
Feed management														
Production of quality animal products														
Others, if any (Goat farming)														
TOTAL														
V. Home Science/Women empowerment														

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				
Household food security by kitchen gardening and nutrition gardening	4													100
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														
Storage loss minimization techniques	2													50
Enterprise development														
Value addition														
Income generation activities for empowerment of rural Women	2													100
Location specific drudgery reduction technologies	1													25
Rural Crafts														
Capacity building														
Women and child care														
Others, if any (Recycling of Waste)	1													25
TOTAL														
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														
Small scale processing and value addition														
Post Harvest Technology														
Others, if any														
TOTAL														
VII. Plant Protection														
Integrated Pest Management	5													125
Integrated Disease Management	2													50
Bio-control of pests and diseases	1													25
Production of bio control agents and bio pesticides	2													50
Others, if any	4													100
TOTAL														
VIII. Fisheries														
Integrated fish farming														
Carp breeding and hatchery management														
Carp fry and fingerling rearing														
Composite fish culture & fish disease	1													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				
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	6													150
Hatchery management and culture of freshwater prawn														
Breeding and culture of ornamental fishes	1													25
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	10													250
Organic manures production	2													50
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														
Others, if any														
TOTAL														
X. Capacity Building and Group Dynamics														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of farmers/youths														
WTO and IPR issues														
Others, if any														
TOTAL														
XI Agro-forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
TOTAL														
XII. Others (Pl. Specify)														
TOTAL	60													1500

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														

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				
Bee-keeping	1													15
Integrated farming														
Seed production	1													15
Production of organic inputs	2													30
Planting material production														
Vermi-culture														
Sericulture														
Protected cultivation of vegetable crops														
Commercial fruit production														
Repair and maintenance of farm machinery and implements														
Nursery Management of Horticulture crops														
Training and pruning of orchards														
Value addition														
Production of quality animal products														
Dairying														
Sheep and goat rearing	1													15
Quail farming														
Piggery														
Rabbit farming														
Poultry production														
Ornamental fisheries														
Para vets														
Para extension workers	1													15
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														
Tailoring and Stitching														
Rural Crafts														
Enterprise development	1													15
Value Addition	3													45
Others if any (ICT application in agriculture)														
TOTAL	10													150

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	1													15
Integrated Pest Management	1													15
Integrated Nutrient management	1													15
Rejuvenation of old orchards														
Value addition														
Protected cultivation technology														
Formation and Management of SHGs														
Group Dynamics and farmers organization														

Information networking among farmers														
Capacity building for ICT application	1													15
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	1													15
Crop intensification														
Others if any (Motiation)	1													
TOTAL	6													90

4. FRONTLINE DEMONSTRATIONS

FLD No -1 : WEED MANAGEMENT IN DIRECT SEEDED RICE (DSR)

Crop: Rice

Thrust Area: Weed Infestation

Thematic Area: IWM

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	Rice	2.0	Application of Pyrazosulphuron ethyl @200g/ha at preemergence stage i.e. 0-3 DAS followed by BisparibacSoadium @ 200ml/ha at post emergence ie. 25 DAS	No of weeds/m ² , Dry wt of weeds/m ² , EBT/m ² , Yield/ha, B:C Ratio															

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	Importance of summer ploughing for controlling weed and enrichment of soil	1	F/FW	2	Off														
Training	Line sowing method in DSR	1	F/FW	2	off														
Training	Method of application of herbicide in DSR	1	F/FW	2	off														
Training	Different method of compost preparation	1	RY	2	On														
Field Day	Herbicide application in DSR	1	F/FW	1	Off														
Pamphlet	Weed mgt in DSR	1	Farmers	1	Off/on														
Awareness campaign	Awareness on weed control	1	Farmers	1	Off														

FLD No-2 : WEED MANAGEMENT IN GROUNDNUT
Crop: Groundnut
Thrust Area: Low yield due to weed infestation
Thematic Area: IWM
Season: Rabi 2019-20
Farming Situation : Irrigated Medium Land, Rice-Fallow

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	Groundnut	2.0	Pre-emergence application of Oxyflorfen @ 23.5:EC followed by post-emergence spray of Imazethapyr 10% SL @ 625ml/ha	Weed flora composition, WCE (%), No of pods/plant, Yield, B:C Ratio															

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	Weed management in groundnut	1	F/FW	2	Off														
	cultural operation in groundnut	1	F/FW	2	Off														
Method Demo	Method of application of herbicide in groundnut	1	F/FW	2	off														
Pamphlet	Weed mgt in groundnut	300	Farmer																
Field Day	Weed mgt in groundnut	1	Farmer	1	Off														

FLD No – 3 : HIGH PROTEIN RICE VARIETY CR DHAN - 310

Crop: Rice

Thrust Area: Promotion of nutrient rich rice

Thematic Area: ICM

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	Rice, CR Dhan 310	2.0	Growing of paddy var. CR 310 having protein content 10% and moderately high zn	EBT/m ² , No of grains/panicle, Length of panicle, Test wt., Yield q/ha, B:C Ratio														

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	Techniques of nursery raising	1	F/FW	2	Off													
Training	Integrated nutrient mgt in rice	1	F/FW	2	Off													
Field day	Protein rich rice variety	1	F/FW	2	Off													
Awareness campaign	Successful marketing of these variety	1	Farmers	1	Off													

FLD No. -4 : **INTEGRATED PEST MANAGEMENT (IPM) IN RICE**
Crop: Rice
Thrust Area: Promotion of bio- pesticides, bio-agents
Thematic Area: IPM
Season : Kharif 2019
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			
	Rice	2.6	Nursery treatment with cartap hydrochloride 4G@0.8kg/ha+ alternate spraying of neem oil 3000 ppm and Indoxacarb @1ml/litre at 55DAT+ twice release of T. chilonis@ 50,000/ha 7days after spraying	Infected hill/m2 , no of white earheads/m2 , no of egg mass/m2															

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	Training on management of YSB in rice, recent advances (IS)	1	IS	1	On														
Method	Method demonstration on installation of tricho cards	2	F/FW	2	Off														

FLD NO-5 : **IDM practices for wilt management in Tomato**
Crop: Brinjal
Thrust Area: Promotion of IDM for wilt mgt. in Tomato
Thematic Area: IDM
Season: Rabi
Farming Situation : Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) 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			
	Brinjal	0.6	Seed treatment with (Metalaxyl+Mancozeb) @2gm/kg followed by soil application of carbofuran 3G@ 1kg/ha at planting and soil drenching with carbendazim 5gm/lit + streptocyclin 5gm/lit	% of wilting in combination with chemicals															

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	IDM, Nursery management of wilt	1	F/FW	1															
Pamphlet	Wilt management in brinjal	200	F/FW																

FLD No – 6 : IPM PRACTICES FOR MANAGEMENT OF FRUIT FLY IN BITTER GOURD

Crop: Bitter gourd
Thrust Area: Promotion of IPM practices for bittergourd
Thematic Area: IPM
Season: Rabi
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	Loca l	SC		ST		Other		Total					
								M	F	M	F	M	F	M	F	T			
	Bitter gourd	0.6	Bittergourd IPM treatment consisting of bait spray (Deltamethrin 0.1 % + Jaggery 1 % + setting up of Cue lure traps @ 10/acre)	No of fruits damaged/ plant															

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	IPM Modules	1	F/FW	1	Off														
Method	Method Demonstration	1	F/FW	1	Off														
Pamplet	Fruit fly management in bitter gourd	200			Off														

FLD No. – 7: MANAGEMENT OF SHOOT & FRUIT BORER IN OKRA
Crop: Okra
Thrust Area: Promoting Integrated pest Management for Yield loss
Thematic Area: IPM
Season: Kharif
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		
	Okra	0.6	Spray Spinosad 45%SC @ 0.4 ml/lit at the time of pest emergence	No of fruit damaged/plant														

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	Management of Fruit and shoot borer in Okra	1	F/FW	1														
Pamphlet	Fruit borer management in okra	200																

FLD No. -8 : PERFORMANCE OF JAYANTI ROHU(CIFA-IR) IN MIXED CARP CULTURE

Crop: Fish
Thrust Area: Promotion of improved variety of fish
Thematic Area: Integrated fish farming
Season: Round the year
Farming Situation : Rainfed lowland

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	Fish	5	Performance Of Jayanti Rohu In Mixed Carp Culture Stocking of Jayanti Rohu fingerlings @3:4:3 (catla:jayantirohu:mrigal) along with carps in composite pisciculture	Yield (t/ha) pH Avg. wt (gm) DO2 Plankton BD(cm) TL(cm)	fish seed , feed, lime, cowdung, fishing net, scoop net, container, ph paper	5													

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	Pre-and post stocking management in fish pond , Feed management																		
Publication	pamphlet preparation	500	FW																
Field day	Field day on Jayanti rohu cultivation	1	FW																

FLD No. – 9 : **PERFORMANCE OF CIFAX IN CONTROLLING EUS IN FISH PONDS**
Crop: Fish
Thrust Area: Promotion of feed and disease management of fish
Thematic Area: Composite fish culture & fish disease
Season: Rabi
Farming Situation Rainfed Low Lying 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	FISH	5	Use of CIFAX @ 1 litre/ha-m per month during winter season reduces the chance of occurrence of EUS and increases the productivity of the pond and maintains pond water quality parameters.	Yield (q/ha), Disease incidence (%)	CIFAX, scoopnet														

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
Training	Application of CIFAX in ponds	1	FW	1	Off					
Publication	pamphlet preparation	500	FW							
Field day	Field day on CIFAX	1	FW							
Method Demonstration	Method demonstration on application of CIFAX	5	FW							

FLD No.-10 : **ARTIFICIAL BROODING MANAGEMENT IN CHICKS**
Crop: Poultry
Thrust Area: Income generation
Thematic Area: Livestock Production and Management
Season: Round the year
Farming Situation : Homestead

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	Poultry	5	Brooding management for 21 days with floor space of 0.3 ft ² with help of chick guards, artificial heat @1-3 watt/chick, feeder and drinkers @ 1 each for 50 birds. Vaccination against RD on 7 th , 28 th day IBD on 14 th day. Use of electrolytes, preventive antibiotics during brooding	Chick mortality rate during brooding,(%) Body weight at 21 days,Kg/bird), Survivability of birds till start of laying	Day old chicks, feeder, drinker, vaccines, vitamins,													

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				
Animal health campaign	Camp on poultry vaccination	1	FW	1	Off													
Training	Training on rearing and brooding management of backyard poultry	3	FW	2	Off													

FLD No. – 11 : **EFFECTIVENESS OF SHORT TECHNOLOGY VIDEOS ON TECHNOLOGY ADOPTION**
Crop: Paddy straw Mushroom cultivation
Thrust Area: Awareness among farmers on prevailing market price.
Thematic Area: ICT
Season: Round the year
Farming Situation : Homestead

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	Mushroom	26 Nos	Preparation of small videos (1.5-2.0 minutes) on different activities of production process of selected commodities and the same will be sent through whatsapp to the identified farmers.	Understanding the method and process depicted in the video -Retention of the message	Short videos through whats app														

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					
Farmer selection	identification of farmers	1	FW	1	Off														
SMS	Selection of videoss for messaging	1	FW	1	Off														
Data collection	Collection of data on parameters	2	FW	1	Off														

FLD NO- 12 :

NUTRITIONAL GARDEN FOR NUTRITIONAL SECURITY OF FARM FAMILIES

Crop:

Vegetables

Thrust Area:

Nutritional Security

Thematic Area:

Nutritional Security

Season:

Round the year 2019-20

Farming Situation:

Backyard

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	Vegetables	0.02	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits	Consumption of vegetables /day(Kg) Availability of vegetable/day(Kg, Mean increase in consumption of vegetables and fruits compared to RDA (%) Additional Income(Rs.)	Seedlings(Papaya, drum stick, solanaceous veg, tuber crops), Seeds(Leafy veg), Pro Trey, Vermi tank and Rope	400 0/u nit	1000/ unit													

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 raising of vegetables under low cost tunnel and pro-tray	2	F&FW	2	Off															
	Layout of backyard garden	2	F&FW	1	Off															
	Scope and importance of a nutritional garden in backyard	2	F&FW	1	Off															
	Preparation of Nutritional garden in Backyard	2	F&FW	1	Off															
	Recycling of homestead waste and agri-waste for composting	2	F&FW	1	Off															
	Field day on Nutritional garden	1	F&FW	1	Off															
	Distribution of leaflet and publication of news article / radiotalk/ short video	1	F&FW	1	Off															

FLD No – 13 :

Grain pro super bag for safe storage of pulses.

Crop: Pulses
Thrust Area: Pest management for safe storage of grains
Thematic Area: Safe storage of Pulses
Season: Rabi and kharif 2019-20
Farming Situation: Homestead

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			
	Pulses	5pc/unit	Use of Grain pro super bag for safe storage of pulses.	Infestation(%) , Self life (Days) of Cost cultivation(Rs) B:C ratio	Grain pro-super bag	600/unit	100/unit												

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					
Training1	Field day on grain pro super bag	1	25	1	off														
Extension Activity	Distribution of leaflet and	500	500	1year															

FLD No. 14 :

Ragi biscuits for Nutritional Security

Crop:

Ragi

Thrust Area:

Nutritional Security

Thematic Area:

value addition

Season:

Rabi- 2019-20

Farming Situation:

Homestead

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		
	Ragi	5kg/unit	Ragi biscuits for Nutritional Security	Kg of Biscuits/kg of raw products Acceptability (%) Net income(Rs) B:C ratio, Oven	Ragiflour+ Wheat flour+ sugar powder+ baking soda+Cardamom powder + cold butter + required milk+ salt	500/unit	Raw selling 150/5kg											

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants												
						SC		ST		Other		Total		T				
						M	F	M	F	M	F	M	F					
Training	Preparation of Ragi biscuits	2	RY	1	Off													
Extension Activity	Field day on Ragi biscuit with sensory evaluation	1	RY	1	Off													
	Distribution of leaflet , short video	1	RY	1	Off													

FLD No – 15 : PADDY STRAW MUSHROOM
Crop: Mushroom
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Kharif- 2019
Farming Situation: Homestead/ backyard

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			
	Paddy straw Mushroom	10bed/unit	Production of Paddy straw mushroom for Income generation	Pin head appearance(days) Yield(Kg/bed Net Income(Rs), B: C ratio	Spawn, Straw, Pulse powder and polythene	660/unit	300/unit												

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					
Training1	Production of paddy straw mushroom for income generation	2	F&FW	2	Off														
	Post harvest management of paddy straw mushroom bed	2	F&FW	1	Off														

FLD No. – 16 : OYSTER MUSHROOM
Crop: Mushroom
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Kharif- 2019
Farming Situation: Homestead

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	Loca l	SC		ST		Other		Total					
								M	F	M	F	M	F	M	F	T			
	Oyster Mushroom	10bed/unit	Production of Oyster mushroom for Income generation	Pin head appearance(days) Yield(Kg/bed) Net Income(Rs), B: C ratio	Spawn, Straw, and polythene bag	700/unit	nil												

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					
Training1	Production of Oyster mushroom for income generation	2	F&FW	2	Off														
	Post harvest management of Oyster mushroom bed	2	F&FW	1	Off														

Case Study

Title: Consumer preference study for various vegetables in the district

Expected output: Result of the study will help the farmers to plan market led production for better price and will enable the KVK for utilizing farmers' preference in selection of varieties for KVK intervention.

Identified vegetables: Brinjal, Chilli, Cucumber, Bittergourd, Okra

Sl. No	Name of the Vegetable	Parameters to be studied	Highly preferred	Moderately preferred	Less preferred
1	Brinjal	Colour: (Green/Black/Purple/ White)			
		Size: (Large/ Medium/ Small)			
		Shape: (Elongated/ Round/ Oval/ Oblong)			
		With thorn/ thorn less			
		Preference for specific production pockets			
2	Chilli	Colour: (Green/Black/White)			
		Size:(Large/ Medium/ Small)			
		Shape: (Round/Slender/ Medium robust)			
		Pungency			
		Aroma			
	Preference for specific production pockets				
3	Cucumber	Colour: (Green/ White)			
		Size: (Large/ Medium/Small)			
		Texture: (Smooth/Fine)			
		Preference for specific production pockets			
4	Bittergourd	Colour: (Dark green/ Green/ White)			
		Size: (Large/ Medium/Small)			
		Firm spine/ smooth spine			
		Preference for specific production pockets			
5	Okra	Colour: (Green/ Dark green/ Violet)			
		Size: (Large/ Medium/Small)			
		Soft/Hard			
		Preference for specific production pockets			

3) a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises) 2019-20

Name of the Crop / Enterprise	Variety / Type	Period From April 2019 to March 2020	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pratikshya	Kharif	1.2	FS	30	30000	65000	35000
Dhanicha		Kharif	0.5	TL				
Sunhemp		Kharif	0.2	TL				
Ginger	Suprabha, surabhi,	Kharif	0.2	TL	1.0	22,000	40,000	18,000
Turmeric	Roma, Surama	Kharif	0.2	TL	1.0	22,000	40,000	18,000
Drumstick	PKM-1	Kharif		Seedling	3000	24000	30000	6000
Papaya	Red Lady , Diana	Kharif		Seedling	3000	24000	30000	6000
Tubercrops		Kharif	0.1	Seedling				
Onion	Bheema Shweta, - Super, Nasik Red, Puna Red	Kharif	0.1	Seedling	20000	9000	12000	3000
Tomato	Swarna Sampad, ArkaRakshak	Kharif	0.05	Seedling	5500	2500	5500	3000
Brinjal	Blue Star, Blue lagoon	Kharif	0.05	Seedling	5500	1000	2500	1500
Chilli		Kharif	0.025	Seedling	5500	1000	2500	1500
Cabbage	Rareball	Rabi	0.025	Seedling	5500	1000	2500	1500
Cauliflower	Snowball	Rabi	0.025	Seedling	5500	1000	2500	1500
Capsicum		Rabi	0.002	Seedling	2500	2000	5500	3500
Redcabbage		Rabi	0.002	Seedling	2500	2000	5500	3500
Cherry Tomato		Rabi	0.002	Seedling	2500	2000	5500	3500

Name of the Crop / Enterprise	Variety / Type	Period From April 2019 to March 2020	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Broccoli		Rabi	0.002	Seedling	2500	2000	5500	3500
Chinese Cabbage		Rabi	0.002	Seedling	2500	2000	2500	3500
Vermi Compost	<i>Eisenia foetida</i>	Kharif & Rabi	150 sqft	Vermicompost	70.0q	20,000	35000	15,000
Vermi Worms	<i>Eisenia foetida</i>	Rabi	100 sqft	Live	50.0kg	10,000	25,000	15,000
Poultry	Kadaknath, Vanraja, RIR	Round the year		Chicks	3000	1,20,000	1,80,000	60,000
Mushroom Spawn	Paddy Straw	Kharif		Spawn	2000	20,000	40,000	20,000
Oyster Spawn	Oyster	Rabi		Spawn	2800	39,200	67,200	28,000
Mushroom	Paddy Straw & Oyster	Rabi			2.0q	8,000	13,000	5,000
Fish	IMC	Round the year	0.3	Fish	1.0 ton	40,000	80,000	40,000

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From..... to	Area (ha.)	No. offarmers	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)	M	F	T	M	F	T
1.	Field Day	12										
2.	KisanMela	2										
3.	KisanGhosthi	2										
4.	Exhibition	2										
5.	Film Show	18										
6.	Method Demonstrations	6										
7.	Farmers Seminar	2										
8.	Workshop	2										
9.	Group meetings	15										
10.	Lectures delivered as resource persons	18										
11.	Advisory Services	48										
12.	Scientific visit to farmers field	146										
13.	Farmers visit to KVK	0										
14.	Diagnostic visits	28										
15.	Exposure visits	4										
16.	Ex-trainees Sammelan	4										
17.	Soil health Camp	2										
18.	Animal Health Camp	6										
19.	Agri mobile clinic	6										
20.	Soil test campaigns	2										
21.	Farm Science Club Conveners meet	2										
22.	Self Help Group Conveners meetings	2										
23.	MahilaMandals Conveners meetings	2										
24.	Celebration of important days (specify)	5										
25.	Sankalp Se Siddhi	1										
26.	Swatchta Hi Sewa	12										
27.	MahilaKisanDiwas	1										
28.	Any Other (Specify) Farmer Day (Akshay Tritiya)	1										
	Total	351										

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
2221	4,00,000	6,00,000

6) Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
ATMA	Govt. of India, DA&C	1,20,000
Mission Shakti	Govt. of India, Women & Child Development.	10,00,000
VATICA	Govt. of India, ICAR	20,00,000
KSHMATA	Govt. of India, ICAR	52,00,000

1. On-farm trials to be conducted during 2019-20

OFT No-1 : Assessment of short duration HYV pigeonpea

i.	Season:	: Kharif 2019
ii.	Title of the OFT:	: Assessment of short duration HYV pigeonpea
iii.	Thematic Area:	: Varietal Evaluation
iv.	Problem diagnosed:	: Low yield from local variety
v.	Important Cause:	: Non-availability of suitable short duration HYV
vi.	Production system:	: Grain legume based
vii.	Micro farming system:	: Rainfed upland
viii.	Technology for Testing:	: Short duration HYV BRG-4, GTH-1
ix.	Existing Practice:	: UPAS-120
x.	Hypothesis:	: 135-150 duration with 18-19q/ha, BRG-4 and 17-18q/ha with GTH-1
xi.	Objective(s):	: To increase production and area of pulses
xii.	Treatments:	:
	Farmers Practice (FP)	: Existing variety UPAS-120
	Technology option-I(TO-I)	: Variety BRG-4
	Technology option-II (TO-II)	: Variety GTH-1
xiii.	Critical Inputs:	: Seed
xiv.	Unit Size:	: 0.1ha
xv.	No of Replications:	: 7
xvi.	Unit Cost:	: 1000
xvii.	Total Cost:	: 7000
xviii.	Monitoring Indicator:	: Plant height (cm), No of branches/plant, No of pods/plant, test wt. yield(q/ha), B:C Ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: SAU Bangalore, 2014 SDAU, Gujarat 2011

OFT No.-2 : Assessment of HYV Ragi variety in rainfed upland

i.	Season:	:	Kharif 2019
ii.	Title of the OFT:	:	Assessment of HYV Ragi variety in rainfed upland
iii.	Thematic Area:	:	Varietal evaluation
iv.	Problem diagnosed:	:	Low production of existing varieties
v.	Important Cause:	:	Non-availability of HYV of ragi
vi.	Production system:	:	subsistence farming system
vii.	Micro farming system:	:	Rainfed upland
viii.	Technology for Testing:	:	Testing of ragi HYV Arjuna & Bhairabi
ix.	Existing Practice:	:	Local variety Jaguli
x.	Hypothesis:	:	Varieties will perform better in terms of yield (>25%) than its counterpart
xi.	Objective(s):	:	To enhance production, coverage & promote crop diversification.
xii.	Treatments:	:	
	Farmers Practice (FP)	:	Local variety, Jaguli
	Technology option-I(TO-I)	:	Arjuna
	Technology option-II (TO-II)	:	Bhairabi
xiii.	Critical Inputs:	:	Seeds
xiv.	Unit Size:	:	0.1ha
xv.	No of Replications:	:	7
xvi.	Unit Cost:	:	500
xvii.	Total Cost:	:	3500
xviii.	Monitoring Indicator:	:	No of tillers/hill, No of effective tillers/m ² , Yield(q/ha), B:C Ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	:	O.U.A.T, 2016

OFT No. – 3 : Assessment of stress(Drought) tolerant rice varieties

i.	Season:	:	Kharif 2019
ii.	Title of the OFT:	:	Assessment of stress(Drought) tolerant rice varieties
iii.	Thematic Area:	:	Varietal Evaluation
iv.	Problem diagnosed:	:	Low yield
v.	Important Cause:	:	Non-availability of drought tolerant rice varieties
vi.	Production system:	:	Rice based
vii.	Micro farming system:	:	Rainfed medium land
viii.	Technology for Testing:	:	Swarna shreya suitable for rainfed medium land with maturity 120-125 days. Capacity to withstand drought and many diseases. Avg productivity 4.5-5 ton for ha DRR-44, Duration 115-120 days, yield 4-5 tn/ha. Capacity to withstand drought and many diseases.
ix.	Existing Practice:	:	Cultivation of Naveen variety in medium land
x.	Hypothesis:	:	These varieties withstand in moisture stress condition and perform better in terms of yield.
xi.	Objective(s):	:	To support rice farmers mitigating drought like situation in medium land and increase productivity
xii.	Treatments:	:	
xiii.	Farmers Practice (FP)	:	Naveen variety
xiv.	Technology option-I(TO-I)	:	Swarna Shreya
xv.	Technology option-II (TO-II)	:	DRR-44
xvi.	Critical Inputs:	:	Seeds
xvii.	Unit Size:	:	0.1ha
xviii.	No of Replications:	:	7
xix.	Unit Cost:	:	500
xx.	Total Cost:	:	3500
xxi.	Monitoring Indicator:	:	No of tillers/hill, No of effective tillers/m ² , test wt. Yield(q/ha), B:C Ratio
xxii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	:	ICAR, RCER 2015 IRRI-2016

OFT No. – 4 : Assessment of IPM management of pod borer in green gram

i.	Season:	: Rabi
ii.	Title of the OFT:	: Assessment of IPM management of pod borer in green gram
iii.	Thematic Area:	: IPM
iv.	Problem diagnosed:	: Non-availability of suitable technology for management of pod borer
v.	Important Cause:	: Heavy attack of pod borer
vi.	Production system:	: Vegetable and vegetable
vii.	Micro farming system:	:
viii.	Technology for Testing:	: Seed treatment with Imidacloprid @ 5 ml/kg seed followed by spraying with Indoxacarb @2ml/lit
ix.	Existing Practice:	: Application of Chlorpyriphos @ 2ml/lit during appearance of pest
x.	Hypothesis:	: TO1- Imidacloprid is a systemic insecticide that acts as an insect neurotoxin and belongs to a class of chemicals called the neonicotinoids which act on the central nervous system of insects. Thiamethoxam is a broad-spectrum, systemic insecticide, deters insect feeding, sucking TO2 : Indoxacarb is an oxadiazine pesticide acts against lepidopteron larvae by blocking of neuronal sodium channels gave the best control of pod borers
xi.	Objective(s):	: To find suitable IPM module for the district for controlling of Pod borer in Arhar
xii.	Treatments:	:
	Farmers Practice (FP)	: Application of Chlorpyriphos @ 2ml/lit during appearance of pest
	Technology option-I(TO-I)	: Seed treatment with Imidacloprid @ 5 ml/kg seed + followed by spraying with Thiamethoxam 2gm/lit water
	Technology option-II (TO-II)	: Seed treatment with Imidacloprid @ 5 ml/kg seed + followed by spraying with Indoxacarb @2ml/lit
xiii.	Critical Inputs:	: Imidacloprid, Thiamethoxam, Indoxacarb
xiv.	Unit Size:	: 0.2
xv.	No of Replications:	: 13
xvi.	Unit Cost:	: 250
xvii.	Total Cost:	: 2500
xviii.	Monitoring Indicator:	: No of damaged pod/plant, per sqm, % infestation
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: SOURCE : AICRP MULLaRP CPR, Berhampur-2016

OFT No. -5 : Assessment of BPH tolerance rice varieties

i.	Season:	: Kharif
ii.	Title of the OFT:	: Assessment of BPH tolerance rice varieties
iii.	Thematic Area:	: IPM
iv.	Problem diagnosed:	: Non availability of BPH tolerant rice varieties
v.	Important Cause:	: Non availability of BPH tolerant rice varieties
vi.	Production system:	: Rice - fallow
vii.	Micro farming system:	: Rainfed mediumland
viii.	Technology for Testing:	: TO₁ .Pratikshya variety(145 days) having yield potential of 45q/ha TO₂ .Hasanta variety (145days) tolerant to BPH having yield potential of 50 q/ha
ix.	Existing Practice:	: Pooja
x.	Hypothesis:	: Pratikshya variety(145 days) having yield potential of 45q/ha Hasanta variety (145days) tolerant to BPH having yield potential of 50 q/ha
xi.	Objective(s):	: To find suitable BPH tolerance Rice variety for the district
xii.	Treatments:	:
	Farmers Practice (FP)	: <i>Pooja</i>
	Technology option-I (TO-I)	: TO₁ .Pratikshya variety(145 days) having yield potential of 45q/ha
	Technology option-II (TO-II)	: TO₂ .Hasanta variety (145days) tolerant to BPH having yield potential of 50 q/ha
xiii.	Critical Inputs:	: Hasanta rice variety
xiv.	Unit Size:	: 0.6
xv.	No of Replications:	: 13
xvi.	Unit Cost:	: 100
xvii.	Total Cost:	: 1000
xviii.	Monitoring Indicator:	: Stage of the plant, No of hoppers /plant & hopper burn
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: AICRP on Rice, Chiplima-2015 OUAT, BBSR-2016

OFT No. – 6 : Assessment of oyster mushroom varieties for cold tolerance

i.	Season:	: Rabi-2019-20
ii.	Title of the OFT:	: Assessment of oyster mushroom varieties for cold tolerance
iii.	Thematic Area:	: Mushroom Production
iv.	Problem diagnosed:	: Less production of oyster mushroom at the time of low temperature (<20 ⁰)
v.	Important Cause:	: Non availability of suitable variety
vi.	Production system:	: Homestead
vii.	Micro farming system:	:
viii.	Technology for Testing:	: Cultivation of oyster mushroom variety <u><i>Peurotus florida</i> and <i>Hyspizygyus ulamarius</i></u>
ix.	Existing Practice:	: Cultivation of Oyster mushroom Var; <i>P. sajorcaju</i>
x.	Hypothesis:	: <u><i>Peurotus florida</i></u> , Biological efficiency-89% in (16 ⁰ -28 ⁰) and RH-57-85% and <u><i>Hyspizygyus ulamarius</i></u> Biological efficiency-92.5 % in 16 ⁰ -30 ⁰ and RH-57-85%
xi.	Objective(s):	: To find a suitable variety of oyster mushroom for extreme cold condition
xii.	Treatments:	:
	Farmers Practice (FP)	: Cultivation of Oyster mushroom Var; <i>P. sajorcaju</i>
	Technology option-I(TO-I)	: Cultivation of oyster mushroom variety <u><i>Peurotusflorida</i></u>
	Technology option-II (TO-II)	: Cultivation of oyster mushroom variety <u><i>Peurotusflorida</i> and <i>Hyspizygyusulamarius</i></u>
xiii.	Critical Inputs:	: Spawn and Polythene
xiv.	Unit Size:	: 10 bag /each variety
xv.	No of Replications:	: 13
xvi.	Unit Cost:	: 480
xvii.	Total Cost:	: 6240/-
xviii.	Monitoring Indicator:	: Avg. Temperature & Humidity/ week, Yeild(kg/bed), Net profit(Rs), Biological efficiency(%), B: C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: OUAT,2012-13

OFT No. 7: Assessment of suitable varieties for value addition of tomato

i.	Season:	: Kharif and Rabi-2019-20
ii.	Title of the OFT:	: Assessment of suitable varieties for value addition of tomato
iii.	Thematic Area:	: Varietal trial
iv.	Problem diagnosed:	: Distress sell and spoilage due to high v.perishability , lack of suitable variety knowledge for value addition in tomato
v.	Important Cause:	: Non availability of suitable variety of Tomato for value addition
vi.	Production system:	: irrigated
vii.	Micro farming system:	: Rice -vegetable
viii.	Technology for Testing:	: Suitable varieties of Tomato for value addition
ix.	Existing Practice:	: Cultivation of tomato variety Utkal Kumari/BT-10
x.	Hypothesis:	: Suitable for processing of tomato product like puree, sauce and powder
xi.	Objective(s):	: To find a suitable variety for value addition of Tomato
xii.	Treatments:	: Testing of ArkaRakshak , Roma and ArkaShreshta
xiii.	Farmers Practice (FP)	: Utkal Kumari/ BT-10
xiv.	Technology option-I (TO-I)	: ArkaRakshak
xv.	Technology option-II (TO-II)	: Roma and ArkaShreshta
xvi.	Critical Inputs:	: Seed
xvii.	Unit Size:	: 0.0064ha
xviii.	No of Replications:	: 07
xx.	Unit Cost:	: 800
xi.	Total Cost:	: 5600/-
xii.	Monitoring Indicator:	: Fruit Yield/plant(kg/ha), yield- q/ha, consumer acceptability for sauce, puree and powder, Pulp content- gm/kg
xiii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: Post Harvest Technology Centre, TNAU, Coimbatore., Madurai, 2015

OFT No. 8: Assessment of different planting time for better market price of Tomato

i.	Season:	:	Pre- Rabi-2019-20
ii.	Title of the OFT:	:	Assessment of different planting time for better market price of Tomato
iii.	Thematic Area:	:	Agri marketing
iv.	Problem diagnosed:	:	Distress sale in tomato
v.	Important Cause:	:	Market glut due to influx of majority of produce from farmers sown during last part of kharif
vi.	Production system:	:	Rainfed
vii.	Micro farming system:	:	Rice -vegetable
viii.	Technology for Testing:	:	Suitable time of planting of tomato
ix.	Existing Practice:	:	Farmers generally plant the seedling in the month of October
x.	Hypothesis:	:	Moving the date of time of sowing forward and after, will be able to address the market glut
Xi	Objective(s):	:	To find a suitable date of sowing help in selling the produce in better price
xii.	Treatments:	:	
xiii.	Farmers Practice (FP)	:	Planting of tomato in 1 st week of October
xiv.	Technology option-I (TO-I)	:	15 Days earlier than normal planting time (2 nd fortnight of September)
xv.	Technology option-II (TO-II)	:	15 Days after the normal planting time (December 1 st wk)
xvi.	Critical Inputs:	:	Seed
xvii.	Unit Size:	:	0.2
xviii.	No of Replications:	:	07
xx.	Unit Cost:	:	180
xi.	Total Cost:	:	1260
xii.	Monitoring Indicator:	:	Plant height, -No. of fruits/plant, Fruit weight, Disease & pest incidence, Market price
xiii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	:	

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	ATMA	1,20,000
2.	Mission Shakti	10,00,000
3.	VATICA	20,00,000
4.	KSHMATA	52,00,000

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

- SMI in Mustard.
- Small unit vermicomposting by tribals.
- Mushroom cultivation.

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
12 th December, 2018	December, 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	500										24	3500
Water Samples	10										10	
Other (Please specify)												
Total	510										34	3500

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
Salary	39,00,000	55,00,000
TA	70,000	1,25,000
Cont(K.V.K)	1,00,000	2,00,000
TSP	10,73,000	18,00,000
Non Recurring (Vehicle+ Repair and Renovation)	4,19,000	20,00,000
Building	-	1,50,00,000
Total		24,625,000

* Any additional requirement may be suitably justified.

**Senior Scientist & Head
KVK, Sundargarh-1**