



Annual Action Plan –2020-21



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ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, BHUBANESWAR

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

ANNUAL ACTION PLAN 2020-21

1. Name of the KVK:Sundargarh-I

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2.Name of host organization :

Address	Telephone		E mail
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3.Training programme to be organized (April 2020 to March 2021)

(a) Farmers and farmwomen

Sl No	Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No of Participant
1.	IGA for empowerment of Rural Women	Substrate management for paddy straw mushroom	1	2	Off	June Last week	50
2.	IGA for empowerment of Rural Women	Production packages of paddy straw mushroom	1	2	Off	June last week	50
3.	Weed management	IWM in rainfed medium land rice	1	2	Off	July 1st week	25
4.	Nursery Management	Nursery management of ragi	1	2	Off	July 1st week	25
5.	ICM	Method and time of application of fertilizer and manure in rice.	1	2	Off	July 2nd week	25
6.	production of organic inputs	Training on production of quality FYM	1	2	Off	July 2nd week	50
7.	IPM	Importance of resistance varieties and different controlling methods for management of BPH	1	2	Off	July 2nd week	25
8.	INM	INM in Ragi for higher production	1	2	Off	July 2nd week	50
9.	Composite fish culture & fish disease	Pre stocking management	1	2	Off	July 2nd week	25
10.	Weed management	Sequential application of herbicides in arhar	1	2	Off	July 3rd week	25
11.	Mushroom production	Training on selection of quality spawn for mushroom production	1	1	Off	July 3rd week	25
12.	Carp fry and fingerling rearing	Training on seed rearing and production on yearling	1	2	Off	July 3rd week	25
13.	ICM	Importance of protein rich rice varieties and nutrient management for higher production	1	2	Off	4 th wk July	25
14.	INM	Foliar application of WSF in Ragi	1	1	Off	July 4th week	25
15.	Nursery Management	Nursery management of Onion	1	2	Off	July 4th week	25
16.	Weed Management	IWM in rainfed mediumland rice	1	1	Off	1 st wk of August	
17.	Weed management	Different weeds in ragi and their management	1	2	Off	Aug 1st week	25

Sl No	Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No of Participant
18.	Nursery Management	Nursery management of Ragi for blast	1	1	Off	Aug 1st week	25
19.	INM	Importance of split application of nitrogenous fertilizer to increase fertilizer use efficiency.	1	1	Off	2 nd wk august	25
20.	Weed management	Importance of weed management and chemical herbicide for weed control	1	2	Off	2 nd wk August	25
21.	Weed management	Application of herbicides in arhar for controlling weed	1	1	Off	3 rd wk August	25
22.	IDM	Disease management in chilli	1	2	Off	Aug 4th week	25
23.	ICM	Importance of intercultural operations in Arhar	1	2	Off	4 th wk of August	25
24.	IDM	Disease management in groundnut	1	2	Off	Aug last week	25
25.	Production of organic inputs	Suitable methods of organic manure preparation in backyard	1	3	Off	Sept 1 st week	25
26.	Composite fish culture & fish disease	Training on Post stocking management	1	2	Off	Sept 1st week	25
27.	IPM	Management of YSB in rice	1	2	Off	Sept last week	25
28.	Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	Nutrient management in fish pond	1	2	Off	Oct 2nd week	25
29.	ICM	Paira cropping	1	2	Off	Oct 3 rd week	25
30.	IWM	Nutrient management in paira crop	1	2	Off	Oct 4th week	25
31.	IPM	IPM modules on thrips management in chilli	1	2	Off	Oct 4th week	25
32.	Poultry Management	Training on brooding management of poultry to WSHGs	1	2	Off	Nov 1st week	25
33.	IDM	Disease identification and management of leafcurl virus in tomato	1	2	Off	Nov 2nd week	25
34.	IPM	Control measures for fruit borer of okra	1	2	Off	Nov last week	25
35.	Production and Management technology	Training on cultivation practices of kharif onion	1	1	Off	Nov last week	25
36.	ICM	Management of weed in paira crop	1	1	Off	Nov last week	25

Sl No	Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No of Participant
37.	Poultry Management	Care and maintenance of poultry birds in backyard	1	2	Off	Nov last week	25
38.	Nursery management	Nursery raising of vegetables under low cost poly tunnel	1	2	On	Nov last week	25
39.	INM	Nutrient management of paira cropping	1	1	Off	Nov last week	25
40.	Weed management	Training on integrated weed management in mustard	1	2	Off	Dec 1st week	25
41.	Production and Management technology	Training on production technology of tomato cultivation	1	1	On	Dec last week	25
42.	Weed management	Training on method and time of herbicide for controlling weed in onion	1	1	Off	Dec 1st week	25
43.	Poultry Management	Training on vaccination and disease of poultry	1	2	Off	Dec 1st week	25
44.	IPM	Important disease and pest of mustard	1	2	Off	Dec 3rd week	25
45.	INM	Training on application of fertilisers in Mustard (CFLD)	1	2	Off	Dec 3rd week	25
46.	production of organic inputs	Skill training on Vermicomposting (TSP)	1	5 Villages (2 phase)	Off	Dec last week	25
47.	Production of Bee-colonies and wax sheets	Skill training on Bee-Keeping and rearing (TSP)	1	5 Days	Off	Jan 1st week	25
48.	IPM	IPM practices for fruit fly management in Bitter gourd	1	2	Off	Jan last week week	25
49.	IPM	Pest identification, damage symptoms and management practices for sucking pest in greengram	1	2	Off	March 1st week	25
50.	Weed management	Training on application of herbicides in greengram (CFLD)	1	2	Off	March 2nd week	25
51.	INM	Training on effect of micronutrient in ground nut (CFLD)	1	3	Off	March 2nd week	25
52.	IPM	IPM practices management of pod borer	1	2	Off	March 3rd week	25

Sl No	Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No of Participants
53.	INM	Training on INM in greengram (CFLD)	1	3	Off	March 3rd week	25
54.	Water Management	Training on scheduling and methods of irrigation in greengram	1	2	Off	March last week	25

b. Rural youths

Sl No	Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No of Participants
1	Enterprise development	Potential entrepreneurial opportunity in Agri-horti system	1	4days	ON	July last week	15
2	Production of organic inputs	Skill training on Preparation of Bio-pesticides	1	3 days	ON	October 2nd week	15
3	Production of organic inputs	Skill training to Rural youth on Vermi-composting	1	5 (2Phase)	ON	Nov 2nd week	15
4	Production of organic inputs	Preparation of Organic products and their applicaion	1	5days	ON	Nov Last week	15
5	Enterprise development	Potential entrepreneurial opportunity in Agri-horti system	1	4	ON	Dec 1st week	15
6	Apiculture	Vocational(Skill) training on scientific Bee-Keeping	1	3	ON	Dec 1st week	15
7	Enterprise development	Potential entrepreneurial opportunity in Animal husbandary system	1	4days	ON	Dec 1st week	15
8	Enterprise development	Training to Rural youth on entrepreneurship development in Mushroom	1	5 (2Phase)	ON	Dec last week	15
9	Value addition	Training on preservation and value addition of tomato (RY)	1	3	ON	Jan 4th week	15

c. Extension functionaries

	Thrust area/ Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No of Participants
1	Productivity enhancement in field crops	Recent advances in Pulse production	1	1	On	August 2nd wk	15
2	Productivity enhancement in field crops	Recent advances in Millet production	1	1	On	July 3 rd wk, 2020	15
3	IPM	Recent advances in IPM approaches for pest management in rice	1	1	On	Oct 1st week, 2020	15
4	ICT	Application of new media in extension	1	1	On	Nov 1st week, 20220	15
5	OTHERS (Motivation)	Motivational and communication skills for extension personnel	1	1	On	Nov 1st week, 2020	15
6	Mushroom Production	Recent advances and value chain analysis in mushroom production	1	2	On	January 1 st wk, 2021	30

Abstract of Training: Consolidated table (ON and OFF)

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	6												150
Resource Conservation Technologies	1												25
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management	2												50
Integrated Crop Management	1												1
Fodder production													
Production of organic inputs	3												75
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	2												50
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Prod and Management Tech)	2												50
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													

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
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													
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	6												150

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 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	3												75
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
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													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	2												50
Location specific drudgery reduction technologies													
Rural Crafts													

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
Capacity building													
Women and child care													
Others, if any (Mushroom Prodn)	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	11												275
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1												25
Composite fish culture & fish disease	2												50
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1												25
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													

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
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	1												25
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	45												1125

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	1												15
Integrated farming													
Seed production													
Production of organic inputs	2												30
Planting material production													
Vermi-culture	1												15
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													
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													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	4												60
Value Addition	1												15
Others if any (ICT application in agriculture)													
TOTAL	9												135

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	2												30
Integrated Pest Management	1												15
Integrated Nutrient management													
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												15
Others (Mushroom Production)	1												15
TOTAL	7												105

4. FRONTLINE DEMONSTRATIONS

FLD No -1 : Demonstration of drought tolerance rice variety *Swarna shreya*
Crop: Rice
Thrust Area: Promotion of drought tolerant rice variety
Thematic Area: ICM
Season : Kharif, 2020
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 (Rs/ha)	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice Var. Swarna shreya	4.0	Line transplanting of var Swarna shreya with RDF(60:30:30 Kg/ha) and application of post emergence herbicide Bispyribac sodium(200ml/ha) for controlling weed	No. of tillers/ hill, No of effective tillers /m2, test wt. Yield (q/ha), Net Income (in Rs), B.C ratio	Seed-2q(5400), Herbicides-2000 Need based PP chemical2000	5400 2000										10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							S C		S T		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Management of rice seedling in nursery bed.	1	F&FW	1	2 nd wk of July	Off									25
Training	IWM in rainfed medium land rice	1	F&FW	2	1 st & 4 th wk of Aug	Off									25 + 25
Training	Importance of split application of nitrogenous fertilizer to increase fertilizer use efficiency	1	F&FW	1	2 nd wk of August	Off									25
Field Day	Performance of variety Swarna shreya in drought condition	1	F&FW, RY, Line deptt	1	2 nd wk of Nov	Off									50
Method demonstration	Nursery raising techniques	1	F&FW	1	1 st wk July	Off									25
	Line transplanting	1	F&FW	1	4 th wk of July	Off									25

Pamphlet	ମରୁଡ଼ି ସହନଶୀଳ ଧାମ ସ୍ଥାନ ଶ୍ରେୟା																500
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FLD No-2 : **Demonstration on protein rich variety CRDhan-311**
Crop: Rice
Thrust Area: Promotion of nutrient rich rice
Thematic Area: ICM
Season: Kharif, 2020
Farming Situation: Rain-fed 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 Var. CRDhan-311	4.0	Line transplanting of var CRDhan-311 with RDF(60:30:30 Kg/ha)and application of post emergence herbicide Bispyribac sodium(200ml/ha) for controlling weed	Effective panicles/m ² , No of Filled grains /Panicle, 1000 grain weight Yield (q/ha),Net Income (inRs), B.C ratio	Seed-2q-(5400) Need based PP chemicals -1000											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Importance of protein rich rice varieties and nutrient management for higher production	1	F/FW	2	4 th wk of July	Off									25
Training	Importance of weed management and use of chemical herbicide for weed control	1	F/FW	2	2 nd wk of Aug	Off									25
Field Day	Protein rich variety CRDhan-311	1	F/FW	1	2 nd wk of Nov	2 nd wk of Nov									40
Method demonstration	Nursery raising techniques	1	F/FW	1	1 st wk July	Off									25
	Line transplanting	1	F/FW	1	4 th wk of July	Off									25

FLD No – 3 : Popularisation of short duration Arhar var PRG-176
Crop: Arhar
Thrust Area: Popularization of medium duration arhar variety
Thematic Area: ICM
Season: Kharif 2020
Farming Situation : Rainfed Up Land

Farming Situation - Rainfed Op Land																	
3	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	M	F
1	Arhar Var PRG-176	2.0	Line sowing 60X30cm of PRG-176 @ 20kg/ha with seed treatment and RDF (20:40;40)	Plant height (cm), No of branches/plant, No of pods/plant, test wt yield(q/ha), Net Income, B.C ratio	Seed												10

Extension and Training activities under FLD

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Application of herbicides in arhar for controlling weed	1	F/FW	1	Off	3 rd week Aug									25
	Importance of intercultural operation	1	F/FW	1	Off	4 th week Aug									25
Method Demo	Demonstration of line sowing of arhar	1	F/FW	1	Off	1 st wk July									25
	Demonstration of application of Pre and post-emergence herbicide	2	F/FW	2	Off	2 nd wk July 4 th wk of July									25
Field Day	short duration Arhar var PRG-176		F/FW												50

FLD No – 4 : Demonstration on high yielding Ragi var-Arjuna
Crop: Ragi
Thrust Area: Popularization of HYV Arjuna
Thematic Area: ICM
Season: Kharif 2020
Farming Situation : Rainfed 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	Ragi Var. Arjuna	2.0	Line transplanting with RDF(60:30:30)	No. of tillers/ hill, No. of effective tillers/M ² , Ear head/ plant, grain weight /ear head , Test wt (g) Yield (q/ha) Net Income, B.C ratio	Seed											10

Extension and Training activities under FLD

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Nursery management of ragi	1	FW	1	Off	2 nd wk July									25
Training	Weed management in ragi	1	FW	2	Off	4 th wk July									25
Method Demo	Nursery raising	1	FW	1	Off	4 th wk June									25
Method Demo	Line Transplanting	1	FW	1	Off	3 rd wk July									25
Field Day	High yielding Ragi var-Arjuna	1	FW	1	Off	1 st wk Sept									50

FLD No. -5 : Popularization of BPH tolerant rice variety *Hasanta*
Crop: Rice
Thrust Area: IPM
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	Duration 145 days, tolerant to BPH and moderately tolerant to WBPH in medium land situation	Plant height, Ear bearing tillers/plant, grains, no of adult BPH, test wt	HASAN TA Rice variety											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Importance of resistance varieties and different controlling methods for management of BPH	1	FW	2	Off	2 nd week July									25
Method Demo	Skip row planting			1	Off campus	2 nd week July									25
Pamphlet	Dhana phasalre Chakada rogara parichalana					2 nd wk july									500
Field Day	BPH tolerant rice variety Hasanta			1	Off campus	Oct 4 th week									40

FLD NO-6 : Demonstration on management of shoot & fruit borer in okra
Crop: Okra
Thrust Area: Promotion of IPM for shoot and fruit borer mgt. in okra
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	De mo	Lo cal	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Okra	0.6	Spray of Spinosad 45%SC @ 0.4 ml/lit at the time of pest emergence	No of fruits and shoots damaged /plant,% infestation,	Insecticides											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Training on IPM practices for fruit borer management in Okra	1	F/FW	1	Off	Nov last week									25
Method Demo	Preparation and application of spinosad in okra	4	F/FW	2	Off	Sept 1 st week									25
Pamphlet	<i>Bhendira phala o kanda bindha pakara parichalana</i>		F/FW		Off	Sept last week									25
Field Day	IPM in okra	1	F/FW	1	Off	Nov last week									40

FLD No – 7 : **Demonstration on IPM practices for management of fruit fly in bittergourd**
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	Local	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	Fruit fly Trap	2000/-										10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Training on IPM practices for fruit fly management in Bitter gourd	1	F/FW	1	OFF	Jan last week									25
Method Demo	Fruit fly Trap installation	4	F/FW	2	OFF	Jan last week									25
Pamphlet	<i>Kalarara phalamachhi ra parichalana</i>		F/FW		Off	March last week									25
Field Day	IPM in bittergourd	1	F/FW	1	OFF	March last week									40

FLD No. -8 : Demonstration on IMC yearling production in seasonal ponds

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	3	•Indian Major Carp yearling production in seasonal pond. •Feeding with mixture of mustard oil cake, de-oiled rice bran(1:1) and vitamin-mineral premix @ 10% of the biomass during 1st month, 8% of the biomass during 2nd month and 6% of the biomass during 3rd month.	Length (cm), Weight (gm), Survivability (%)	Seed	3										

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Seed rearing and production on yearling	2	F&FW	1	Off										
Training	IMC yearling production in seasonal ponds		F&FW												
Method Demo	Seed rearing and production on yearling		F&FW												
Leaflet	Mundajanal padhhati re machha chas														
Field Day															

FLD No. – 9 : Demonstration on preparing natural fertiliser for increasing plankton in fish pond
Crop: Fish
Thrust Area: Promotion of feed management
Thematic Area: Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond
Season: Rabi
Farming Situation Rainfed Lowland

Farming Situation																	
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 fermented agro products for enhancing zooplankton production in fish ponds • Application of 48 hr fermented mustard oil cake (10kg), de-oiled rice bran(10kg) and molasses(1kg) per 0.4 ha area/week enhances the zooplankton production.	Plankton density/50L, C:B ratio	CIFAX, scoopnet												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	
Training	Training on Nutrient management in fish pond	25	FW	2	Off	Oct 2nd week									
Method Demo	Preparing natural fertiliser for increasing plankton in fish pond														
Leaflet															
Field Day															

FLD No.-10 : **ARTIFICIAL BROODING MANAGEMENT IN CHICKS UNDER TSP**
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	D	L	S		S		O		Total									
								C	C	T	T	he	r	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	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	
Training	Brooding management of poultry chicks	1	F/FW	1	Off	2 nd wk October									25
Method Demo	Setting up of brooding house	1	F/FW	1	Off	1 st wk October									25
Method Demo	Vaccination Schedule	1	F/FW	1	Off	2 nd wk October									25
Leaflet	<i>Kukuda chia palan</i>					1 st wk October									500
Field Day	Brooding management of poultry chicks	1				3 rd wk february									50

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) relation in 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 whatsapp											26

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Selection	Selection of F/FW (3each from 6 TSP/DFI villages)	1	F/FW	1	On										26
Training	Training on whatsapp use and video sharing	1	F/FW	1	On										26

FLD NO- 12: DEMONSTRATION OF NUTRITIONAL GARDEN FOR IMPROVING NUTRITIONAL SECURITY OF FARM FAMILIES (TSP)

Crop: Vegetables

Thrust Area: Nutritional Security

Thematic Area: Nutritional Security

Season: Round the year 2020-21

Farming Situation: Backyard Nutritional gardening utilizing kitchen waste and house hold water sources (dug well / tube well / household waste water)

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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Vegetables	0.02	1. Trellis structure with PP rope for raising cucurbits: 2. Protray / low cost polytunnel for raising seedlings in small quantity + Cement tank for composting 3. Growing vegetables round the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds	Consumption of vegetables/day(Kg) Availability of vegetable/day(Kg) Cost of input(Rs.) 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/polytunnel Vermi tank and Rope	Seedlings-3000 Vermitank-10-1000, Lowcost polytunnel-15000										10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Nursery raising of vegetables in lowcost polytunnel	3	F&FW	1	Off	1 st wk of August 2020									25
Training	Layout of Nutritional gardening	3	F&FW	1	Off	2 nd wk Of August									25
Training	Nutritional gardening for nutritional security of farm farm families	3	F&FW	1	Off	3 rd wk August									25
Training	Preparation of compost from agricultural biproducts	3	F&FW	1	Off	3 rd wk of september									25
Method Demo	Layout of Nutritional gardening	3	F&FW	2	Off	2 nd wk Of August									25
Method Demo	Nursery raising in low-cost polytunnel	3	F&FW	2	Off	1 st wk of August 2020									25
Method Demo	Preparation of compost under pit/tank	3	F&FW	2	Off	3 rd wk of september									25
Booklet	Pusti nirapata pain Posan bagichha				Off	In stock									
Field Day	Model Kitchen garden				Off	3rd wk December									50

FLD No – 13 : Demonstration on rearing of honey bee under TSP
Crop: Honeybee
Thrust Area: IGA
Thematic Area: Production of Bee-colonies and wax sheets
Season: Rabi 2020-21
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
	Honeybee	10	Regular and periodic bottom board cleaning, maintaining healthy and populous colony ,regular and periodic dearth feeding, removal of old combs and allowing new comb construction, need-based brood comb alteration and need based colony union or division are recommended for scientific beekeeping with <i>Apis-cerana indica</i> .		Bee Hive box, with colony, Smoker, Mask, Honey extractor, brush, and other ne	5000 x										10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Skill training on Bee-Keeping and rearing (TSP)	1	Rural Youth	5days	On	Jan 1 st week									
Method Demo	Installation of honey bee box	10	RY	1	Offcampus	Nov 3 rd week									
Pamphlet	Baigyanaka padhhatire Mahumachhi Chas		F&FW, RY			4 th wk of October									25
Field Day	Colony division in honey bee boxes					Feb1st week 2021									

FLD No. 14 : Demonstration on Production of vermicompost from different agricultural bi-products round the year for income generation under TSP

Crop: Vermicompost
Thrust Area: Organic Farming
Thematic Area: Vermicomposting
Season: Rabi- 2020-21
Farming Situation: Homestead

S l. N o.	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
	Vermicompost	10	Demonstration of Vermicomposting, Recommended layer so for organic waste and cow dung in vermi tank(using 4' diacementring. Release of earthworm @50nos/kg of organic waste.	Yield /tank (Kg) Net Income, B.C ratio	Earthworm RCC Rings											30

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	
Training	Scientific method of vermicompost production	1	F/FW	5	Off	Sept 1 st wk									25
Training	Commercial vermicompost production	1	RY	5	On	Nov 2 nd wk									15
Method Demo	Preparation of compost pit, collection of bi-products for decomposition	1	F/FW	5	Off	Sept 1 st - 3 rd wk									25
Pamphlet	Jia khata chasa	500	F/FW	1		Sept 1 st wk									500
Field Day		5				Feb 2 nd wk									250

FLD No – 15 : Demonstration of Paddy Straw mushroom for Income generation (TSP)

Crop: Mushroom
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Kharif- 2020
Farming Situation: Homestead/ backyard

S l. N o.	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	10,000										50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Production technology of Paddy straw mushroom	3	F&FW	1	Off	1 st wk of Aug									50
Training	Post harvest management of Paddy straw mushroom	3	F&FW	1	Off	4 th wk of Aug, Sept.									50
Method Demo	Substrate preparation for production of paddy straw mushroom	3	F&FW	1	Off	1 st wk of Aug									50
Method Demo	Moisture contain and harvesting of Mushroom	3	F&FW	1	Off	4 th wk of Aug									50
Diagnostic visit	Visibility of any competitive mould					Need based									50
Leaflet	<i>Krushibhitika rojagarpain pala chhatu chas</i>	In stock 250													500
Field Day	Production of paddy straw mushroom		F&FW, Line Deptt, RY			Last wk of Sept									50

FLD No. – 16 : **Demonstration of Oyster mushroom for Income generation (TSP)**

Crop: Mushroom

Thrust Area: IGA

Thematic Area: Mushroom production

Season: Kharif- 2020-21

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
	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	7000/u nit	nil									

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Production technology of Oyster mushroom	3	F&FW	1	Off	1 st wk of Oct									
Training	Post harvest management of Oyster mushroom	3	F&FW	1	Off	1 st wk of Nov									
Method Demo	Substrate preparation for production of Oyster mushroom	3	F&FW	1	Off	1 st wk of Oct									
Method Demo	Harvesting of Mushroom	3	F&FW	1	Off	1 st wk of Nov									
Leaflet	Krushibhitika rojagarpain Dhingiri chhatu chas	In stock 200													
Field day	Production of Oyster mushroom		F&FW, Line Deptt, RY			Last wk of Dec									

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) 2020-21

Name of the Crop / Enterprise	Variety / Type	Period From April 2020 to March 2021	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	1.5	FS	35	32000	70000	35000
Dhanicha		Kharif	0.4	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 2020 to March 2021	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.	KisanGhasthi	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.	Mahila Kisan Diwas	1										
28.	Any Other (Specify) Farmer Day (Akshay Tritiya)	1										
	Total	351										

5) Revolving Fund (in Rs.)

Opening balance of 2020-2120 (As on 01.04.2020)	Amount proposed to be invested during 2020-2120	Expected Return

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	2,88,000
Mission Shakti	Govt. of India, Women & Child Development.	5,00,000

1. On-farm trials to be conducted during 2020-21

OFT No-1 : Assessment of different pulse crop (field pea/Gram) in paira cropping system

i.	Season:	: Pre-rabi 2020-21
ii.	Title of the OFT:	: Assessment of different pulse crop (field pea/Gram) in paira cropping system
iii.	Thematic Area:	: ICM
iv.	Problem diagnosed:	: Lack of suitable (pulse crop) for appropriate paira cropping system under
v.	Important Cause:	: Under utilization of Rice-fallow
vi.	Production system:	: Rice -Fallow(Agriculture)
vii.	Micro farming system:	: Rainfed medium land
viii.	Technology for Testing:	: Different pulse crop (field pea/Gram) in paira cropping system
ix.	Existing Practice:	: Rice-fallow
x.	Hypothesis:	: Rice-fallow will be utilized by suitable paira crop with increasing cropping intensity and maintaining soil fertility
xi.	Objective(s):	: • To find out suitable paira crop • To find out appropriate nutrient management for paira crop
xii.	Treatments:	:
	Farmers Practice (FP)	: Fallow after rice cultivation
	Technology option-I(TO-I)	: Broadcast chickpea seed 20-25% higher than recommended(100-125 kg/ ha) before harvesting of rice
	Technology option-II (TO-II)	: Broadcast Field pea seed 20-25% higher than recommended(100-125 kg/ ha) before harvesting of rice
xiii.	Critical Inputs:	: Phosphatic (P ₂ O ₅) Fertilizer, (Gram and Field Pea) Seed, Need based PP chemicals
xiv.	Unit Size:	: 0.2 ha
xv.	No of Replications:	: 7
xvi.	Unit Cost:	: Rs.980
xvii.	Total Cost:	: Rs 6,860
xviii.	Monitoring Indicator:	: Plant height(cm), No of branches/plant, No of pods/plant, Testwt(g)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: SLREC proceeding, RRTTS, Keonjhar 2019-20

OFT No.-2 : Assessment on INM in Ragi

i.	Season:	: Kharif 2020
ii.	Title of the OFT:	: INM in Ragi
iii.	Thematic Area:	: INM
iv.	Problem diagnosed:	: Low production from Ragi
v.	Important Cause:	: Low yield due to nutrient deficiency
vi.	Production system:	: Up land rice (Agriculture)
vii.	Micro farming system:	: Rainfed upland
viii.	Technology for Testing:	: Balanced combination of organic and Chemical fertilizer for increasing productivity
ix.	Existing Practice:	: No application of chemical fertilizer.
x.	Hypothesis:	: Recommendation of optimum manure and fertilizer dose for Ragi
xi.	Objective(s):	: To find out appropriate nutrient management in Ragi
xii.	Treatments:	:
	Farmers Practice (FP)	: No application of Chemical fertilizer
	Technology option-I(TO-I)	: 100% RDF(40:20:20 NPK Kg/ha) + FYM (7.5 t/ha)
	Technology option-II (TO-II)	: 75% RD-N +25% N through Vermicompost (2ton/ha)
xiii.	Critical Inputs:	: Seed, Vermicompost and need based PP chemicals
xiv.	Unit Size:	: 0.2 ha
xv.	No of Replications:	: 07
xvi.	Unit Cost:	: 1,000
xvii.	Total Cost:	: 7,000
xviii.	Monitoring Indicator:	: No. of tillers/ hill, No. of effective tillers/M ² , Ear head/ plant, grain weight / ear head , Test wt (g)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: ANGURU , Telengana 2016

OFT No. – 3 : Assessment of IDM practices for management leaf curl virus in tomato

i.	Season:	: Rabi2020-21
ii.	Title of the OFT:	: IDM practices for management leaf curl virus in tomato
iii.	Thematic Area:	: IDM
iv.	Problem diagnosed:	: Lack of appropriate technology for IDM practices in management leaf curl virus
v.	Important Cause:	: Yield loss due to whitefly infestation during the early vegetative stage
vi.	Production system:	: Horti-horti
vii.	Micro farming system:	: Irrigated medium land
viii.	Technology for Testing:	: Different IDM practices for management of leaf curl virus
ix.	Existing Practice:	: No pesticide application during early whitefly stages, farmers apply only when damage symptoms appear of leaf curling
x.	Hypothesis:	: After application of pesticides the population of sucking pest will be low and the leafcurl virus may not arise further.
xi.	Objective(s):	: To find out suitable IDM practice for leaf curl management
xii.	Treatments:	:
	Farmers Practice (FP)	: No application of pesticide at the time of pest appearance or uprooting of plant after damage
	Technology option-I(TO-I)	: Decreasing the leaf curl virus in tomato (71.7%) Yield-352.9 q/ha
	Technology option-II (TO-II)	: Decreasing the leaf curl virus in tomato(76.5%) Yield-394.2 q/ha
xiii.	Critical Inputs:	: Fipronil, seedpro, mancozeb, carbendazim, imidacloprid
xiv.	Unit Size:	: 0.2
xv.	No of Replications:	: 7
xvi.	Unit Cost:	: 800
xvii.	Total Cost:	: 8000
xviii.	Monitoring Indicator:	: % of Disease incidence, Infected plants, No of fruits per plant
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: Source: SLREC Proceedings 2016

OFT No. – 4 : Assessment on IPM modules on thrips management in chilli

i.	Season:	: Kharif 2020
ii.	Title of the OFT:	: IPM modules on thrips management in chilli
iii.	Thematic Area:	:IPM
iv.	Problem diagnosed:	: Lack of availability of PP chemicals practices for management of thrips in Chilli
v.	Important Cause:	:Loss of yield
vi.	Production system:	:Horti-Horti
vii.	Micro farming system:	: Irrigated medium land
viii.	Technology for Testing:	TO₁ Seed treatment by imidacloprid 5ml/kg seeds, Reduction of thrips population (60%) T O₂:Seed treatment with imidacloprid + foliar spray with spiromesifen twice in 30 days Reduction of thrips population(75%)
ix.	Existing Practice:	Spraying of Imidacloprid after damage by thrips
x.	Hypothesis:	: Reduction of thrips population occurs with use of seed treating chemical and spraying of chemical after appearance of pest will decrease the pest incidence
xi.	Objective(s):	: To find the IPM practices against chilli thrips
xii.	Treatments:	:7
	Farmers Practice (FP)	: Spraying of Imidacloprid after damage by thrips
	Technology option-I(TO-I)	: Seed treatment with Imidachloprid 600FS @ 5ml /kg seed
	Technology option-II (TO-II)	: Seed treatment with imidacloprid 5ml/kg seeds and Foliar spraying of spiromesifen 22.9%SC @ 1 ml/ l of water twice at 30 and 45 DAT can significantly reduce the incidence of sucking pest
xiii.	Critical Inputs:	:Imidacloprid, spiromesifen
xiv.	Unit Size:	:0.2ac
xv.	No of Replications:	:7
xvi.	Unit Cost:	:Rs 790
xvii.	Total Cost:	:Rs 5530
xviii.	Monitoring Indicator:	: Pest incidence, no of fruit /plant
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	: SLREC Proceeding 2015

OFT No. -5 : Assessment on different method of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed in Kharif

i.	Season:	: Kharif 2020
ii.	Title of the OFT:	: Assessment on different method of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed in Kharif
iii.	Thematic Area:	: Production technology
iv.	Problem diagnosed:	: Lack of knowledge on pasteurization of substrate for controlling competitive mould (inkcap)
v.	Important Cause:	: Lack of sanitation in mushroom beds
vi.	Production system:	: Backyard
vii.	Micro farming system:	: Homestead
viii.	Technology for Testing:	: Different methods of pasteurisation
ix.	Existing Practice:	: No pasteurization of mushroom beds
x.	Hypothesis:	: Inkcaps will be controlled with proper pasteurization of substrate and use of fresh substrate.
xi.	Objective(s):	: To control the competitive moulds (inkcaps) and increase the production
xii.	Treatments:	:
	Farmers Practice (FP)	: <i>No pasteurization of substrate</i>
	Technology option-I (TO-I)	: After straining of straw then Soaking of substrate in Boiled water 70-80OC for 30 mins
	Technology option-II (TO-II)	: Pre Soaking of substrate in 2% Calcium carbonatefor 6hrs
	Technology option-III (TO-III)	: Pre Soaking of substrate in 0.02% Bleaching powder for 6hrs
xiii.	Critical Inputs:	: Spawn, bleaching powder, CaCO ₃
xiv.	Unit Size:	: 15
xv.	No of Replications:	: 07
xvi.	Unit Cost:	: 600
xvii.	Total Cost:	: 4200
xviii.	Monitoring Indicator:	: Intensity of coperinus% No of Inkcaps /bed, Yeild (Kg/bed)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other,	: Proceedings of 8 th International conference on Mushroom Biology, 2015-16

	please specify):
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OFT No. 6: Assessment of suitable varieties of Tomato for value addition

i.	Season:	: Kharif and Rabi-2020-21
ii.	Title of the OFT:	: Assessment of suitable varieties of Tomato for value addition
iii.	Thematic Area:	: Varietal trial
iv.	Problem diagnosed:	: Non availability of suitable variety of Tomato for value addition
v.	Important Cause:	: Spoilage of Tomato fruits of existing varieties after one to two days
vi.	Production system:	: Irrigated(Kharif), Rainfed (Rabi)
vii.	Micro farming system:	: Vegetable-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 of Tomato for value addition
xii.	Treatments:	: Testing of ArkaRakshak and Arka Samrat
xiii.	Farmers Practice (FP)	: Utkal Kumari/ BT-10
xiv.	Technology option-I (TO-I)	: ArkaRakshak
xv.	Technology option-II (TO-II)	: Arka Samrat
xvi.	Critical Inputs:	: Seed, Mulching material
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. 7: Refinement of different planting time for better market price of Tomato

i.	Season:	: Pre- Rabi-2020-21
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)	: 30 Days earlier than normal planting time (1 st fortnight of September)
xv.	Technology option-II (TO-II)	: 30 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	2,88,000
2.	Mission Shakti	5,00,000
3.	PKVY	3,30,300
4.	ASCI Skill india	3,60,000

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 2019-20	Proposed date during 2020-2120
31.10.2019	September, 2020

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	200										30	1700
Water Samples	10										10	
Other (Please specify)												
Total	210										40	1700

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	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**