

REVISED PROFORMA FOR ACTION PLAN 2020

1. Name of the KVK: Ganjam-I

Address	Telephone		E mail
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2.Name of host organization :

Address	Telephone		E mail
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Vice-Chancellor, OUAT, Bhubaneswar- 751003 Orissa University of Agriculture & Technology	0674-2392677		vcouat@gmail.com

3.Training programme to be organized (April, 2020 to March, 2021)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
ICM	Integrated crop management in ragi	01	1	Off	11.6.2020									25
INM	INM in Rice	01	1	Off	17.06.2020									25
INM	INM in Ragi	01	1	Off	19.06.2020									25
ICM	ICM in Rice	01	1	Off	24.06.2020									25
ICM	Integrated crop Management in Blackgram	01	1	Off	26.06.2020									25

ICM	Package of practices on groundnut cultivation	01	1	On	29.06.2020										25
ICM	Training on ICM in sunflower	01	1	Off	30.06.2020										25
IWM	Integrated Weed management in maize	01	1	Off	02.7.2020										25
IWM	Weed management in direct seeded rice	01	1	Off	06.7.2020										25
ICM	Package of practices in green gram	01	1	On	06.11.2020										25
ICM	Integrated crop management in Maize	01	1	Off	08.6.2020										25
INM	Integrated nutrient management in sunflower	01	1	Off	2.12.2020										25
IPM	IPM in Rice	01	1	Off	25.08.2020										25
IDM	Integrated Disease Management in rice	01	1	Off	26.08.2020										25
INM	INM in sesamum	01	1	Off	29.08.2020										25
IDM	IDM in Blackgram	01	1	Off											25
IDM	Integrated Disease Management in Ragi	01	1	Off	12.08.2020										25
IPM	Integrated Pest Management in Maize	01	1	Off	21.07.2020										25
IPM	Integrated management in Pigeonpea	01	1	Off	20.10.2020										25
IDM	Integrated Disease management in Brinjal	01	1	Off	15.12.2020										25

IPM	Integrated Pest management in Brinjal	01	1	On	23.12.2020										25
IPM	Integrated Pest management in Tomato	1	1	Off	08.01.2020										25
INM	Inegrated Nutrient Management in Brinjal	1	1	Off	12.01.2021										25
IWM	Integrated Weed management in Okra	1	1	Off	22.07.2020										25
IPM	Integrated Pest management in Okra	1	1	Off	22.07.2020										25
IPM	Integrated Pest management in Chilli	1	1	Off	13.11.2020										25
IPM	Integrated Pest management in cole crops	1	1	On	06.01.2021										25
IPM	Integrated Pest management in Cashewnut	1	1	On	14.02.2021										25
IDM	Integrated Disease Management in Yam	1	1	Off	11.03.2021										25
HOV	ICM in Brinjal	1	1	Off	08.07.2020										25
HOV	Package of practices of tomato cultivation	1	1	Off	24.09.2020										25
HOV	Agro-techniques in okra cultivation	1	1	Off	13.01.2021										25
HOV	Package of practices of Chili	1	1	On	18.08.2020										25
HOV	Agro-techniques in bitter gourd cultivation	1	1	Off	29.12.2020										25
HOV	Scientific method of yam cultivation	1	1	Off	02.03.2021										25
HOV	Off season cauliflower cultivation	1	2	On	11.09.2020										25
HOV	INM in cole crops.	1	2	On	11.11.2020										25
HOV	Management of	1	2	On	15.10.2020										25

	vegetable nursery													
HOV	Production technology pod vegetables	1	2	On	12.02.2021									25
Fish seed production	Yearlings production practices	1	1	Off	28.07.2020									25
Production & Management	Community based pisciculture	1	1	Off	22.06.2020									25
Production & Management	Preparation of low cost farm-made feed	1	1	On	27.12.2020									25
Production & Management	Soil and water quality test based application of Aquafer for Soil and water quality management in fish pond	1	1	On	16.10.2020									25
Production & Management	Major fish Disease diagnosis and its treatment	1	1	Off	18.11.2020									25
Integrated Farming System	Fish-cum-livestock & poultry farming system	1	1	Off	23.12.2020									25
Reservoir fishery	Cage and pen culture in reservoir	1	1	Off	24.01.2020									25
Feed management	Fodder crops and its importance in livestock	1	1	Off	19.05.2020									25
Dairy management	Feeding management in cattle	1	1	Off	18.06.2020									25
Dairy management	Need of AI and breeds/ management practices/ feeding, housing and health	1	1	Off	10.07.2020									25

	aspects														
Duck farming	Duck farming and management	1	1	Off	21.8.2020										25
Disease Management	Care and management of pregnant does and kids	1	1	Off	22.10.2020										25
Poultry management	Brooding management in backyard poultry	1	1	Off	18.11.2020										25
Sheep/ Goat farming	Suitable breeds/ Buck management/ Kid management/ Doe & Pregnant management/ Housing, Health, Feeding	1	1	Off	17.12.2020										25
Feeding management	Simplified Azolla production method for livestock nutrition	1	1	Off	8.01.2021										25
Household food security by kitchen gardening and nutrition gardening	Planning and layout of kitchen garden	1	1	Off	20.07.2020									25	25
Income generation activities for empowerment of rural Women	Cultivation practices of paddy straw mushroom in threshed straw	1	1	Off	24.07.2020									25	25
Capacity building	Disease and mould management in Paddy straw mushroom	1	1	Off	19.08.2020									25	25

Income generation activities for empowerment of rural Women	Cultivation of sweet potato	1	1	Off	08.09.2020									25	25
Income generation activities for empowerment of rural Women	Cultivation practices of different varieties of Oyster mushroom	1	1	Off	12.11.2020									25	25
Income generation activities for empowerment of rural Women	Marigold cultivation	1	1	Off	02.12.2020									25	25
Location specific drudgery reduction technologies	Use of small implements for drudgery reduction	1	1	On	18.12.2020									25	25
Value addition	Value addition of Ragi	1	1	Off	08.01.2021									25	25
Value addition	Value addition of Tomato	1	1	Off	21.01.2021									25	25
Value addition	Value addition of Oyster Mushroom	1	1	Off	11.02.2021									25	25
Design and development of low/minimum cost diet	Preparation of low cost supplementary food for children	1	1	Off	25.02.2021									25	25
Minimization of nutrient loss in processing	Minimization of nutrient loss in processing and preservation	1	1	Off	10.03.2021									25	25
Capacity Building Development	Improved techniques of Seed treatment in	1	1		19.06.2020									25	25

	Groundnut														
Capacity Building Development	Improved techniques of Seed treatment in Greengram	1	1	Off	28.12.2020									25	25
Capacity Building Development	Market linkage for smallholder farmers	2	2	Off	22.07.2020, 23.09.2020									50	50
Capacity Building Development	Orientation & awareness programme on farmers clubs-formation	2	2	Off	26.08.2020, 21.10.2020									50	50
Capacity Building Development	Orientation & awareness programme on Management of SHG	1	1	Off	26.11.2020									25	25
Capacity Building Development	Income generation through agricultural and allied agricultural sector.	2	2	Off	22.09.2020, 22.01.2021									50	50
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	Off	14.01.2021									25	25
Capacity Building Development	Improved techniques of Seed treatment in Sesame	1	1	Off	28.01.2021									25	25
Capacity Building Development	Orientation & awareness programme on Farmers Producers Organization	2	2	Off	18.11.2020, 25.02.2021									50	50
Agro-forestry	Soft type Jackfruit leather preparation	1	1	Off	18.06.2020									25	25
Agro-forestry	Growing Eucalyptus for industrialization	1	1	Off	30.06.2020									25	25
Agro-forestry	Agro silvi pastoral system	1	1	Off	19.08.2020									25	25
Agro-forestry	Alley cropping system	1	1	Off	16.09.2020									25	25
Agro-forestry	General Forest seedlings nursery techniques	1	1	Off	18.10.2020									25	25

Agro-forestry	Growing Acacia mangium for profit maximization	1	1	Off	16.11.2020									25	25
Agro-forestry	NTFP production & uses	1	1	Off	20.01.2021									25	25

(b) Rural youths

Thematic area	Title of Training	No .	Duration (Days)	Venue On/ Off	Tentative Date	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Crop management	Vermicomposting	1	2	On	05.01.2021 & 06.01.2021										15
Small Scale income generation	Honey bee rearing	1	4	On	15.12.2020 &18.12.2020										15
IPM	Plant products & ITKs for pest control	1	2	On	21.01.2021 & 22.01.2021										15
ICM	Quality seed production	1	2	On	22.07.2020 & 28.07.2020										15
HOV	Protected cultivation of vegetable	1	2	On	04.03.2021 & 05.09.2021										15
HOV	Commercial nursery raising	1	2	On	04.09.2020 & 05.09.2020										15
IFS	Integrated fish farming	1	4	On	16.12.2020 & 19.12.2020										15
Fishery production	Entrepreneurship development through pisciculture	1	2	On	13.08.2020 & 14.08.2020										15

Poultry management	Brooding management in backyard poultry	1	2	Off	22.09.2020 & 23.09.2020										15
Sheep and goat rearing	Scientific goat rearing/ Husbandry practices	1	4	On	28.02.2021 & 03.03.2021										15
Mushroom Production	Mushroom spawn production	1	2	On	14.09.2020 & 15.09.2020										15
Value addition	Value addition of vegetable and fruits	1	4	On	13.01.2021 & 16.01.2021										15
Capacity Building Development	Value chain management For profitable Agribusiness	1	3	On	21.09.2020 to 23.09.2020										15
Capacity Building Development	Orientation and awareness programme on Custom hiring centres for betterment of farming community	1	3	On	10.03.2021 to 12.03.2021										15
Agro-forestry	Raising of planting material from bamboo culm cutting	1	2	On	05.11.2020 & 06.11.2020									15	15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration (Day)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
ICM	Crop diversification for sustainable income	1	1	On	19.11.2020									15
IPM	IPM in Rice	1	1	On	15.01.2021									10
HOV	Physiological disorders in	1	1	On	11.03.2021									15

	vegetables													
Species diversification	Inclusion of diversified fish species compatible with carp	1	1	On	17.10.2020									15
Management in farm animals	Importance of postmortem and diagnostic methods in livestock	1	2	On	23.11.2020 & 24.11.2020									15
Household food security	Food and nutritional security through kitchen garden	1	2	On	11.09.2020 & 12.09.2020								10	10
Women and child care	Dietary management for pregnant and lactating women	1	2	On	24.03.2021 & 25.03.2021								10	10
Capacity Building Development	ICT-led knowledge management and usage patterns in Agriculture	1	1	On	25.08.2020								10	10

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

Farmers and Farm women

Thematic Area	No. of Course s	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	2												50
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nutrient management	3												75
Integrated Crop Management	7												175
Fodder production													
Production of organic inputs													
Others, if any													
TOTAL	12												300

Thematic Area	No. of Course	No. of Participants									Grand Total		
		Other			SC			ST					
	s	M	F	T	M	F	T	M	F	T	M	F	T
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1												25
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1												25
Nursery raising	1												25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	7												175
TOTAL	10												250
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													
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													

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	2												50
Poultry Management	1												25
Duckery Management	1												25
Rabbit Management													
Disease Management	1												25
Feed management	2												50
Production of quality animal products	2												50
Others, if any (Goat farming)	1												25
TOTAL	10												250
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1												25
Design and development of low/minimum cost diet	1												25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1												25
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													

Thematic Area	No. of Course	No. of Participants									Grand Total		
		Other			SC			ST					
	s	M	F	T	M	F	T	M	F	T	M	F	T
Value addition	3												75
Income generation activities for empowerment of rural Women	3												75
Location specific drudgery reduction technologies	1												25
Rural Crafts													
Capacity building	1												25
Women and child care	1												25
Others, if any													
TOTAL	12												300
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	9												225
Integrated Disease Management	5												125
Bio-control of pests and diseases	1												25
Production of bio control agents and bio pesticides													
Integrated Nutrient Management	2												50
TOTAL	17												425
VIII. Fisheries													
Integrated fish farming	1												25
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1												25
Composite fish culture & fish disease	3												75
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													
Portable plastic carp hatchery													
Pen culture of fish and prawn	1												25
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Course	No. of Participants									Grand Total		
		Other			SC			ST					
	s	M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL	7												175
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
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													
Improved techniques of Seed treatment in Groundnut	1												25
Improved techniques of Seed treatment in Greengram	1												25
Improved techniques of Seed treatment Sesame	1												25
Market linkage for smallholder farmers	2												50
Orientation & awareness programme on farmers clubs- formation	2												50
Orientation & awareness programme on Management of SHG	1												25
Income generation through agricultural and allied agricultural sector.	2												50
Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1												25
Orientation & awareness programme on Farmers Producers Organization	2												50
TOTAL	13												325

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	1												15
Bee-keeping	1												15
Integrated farming	1												15
Seed production	2												30
Production of organic inputs													
Planting material production	1												15
Vermi-culture	2												30
Sericulture													
Protected cultivation of vegetable crops	1												15
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1												15
Production of quality animal products													
Dairying													
Sheep and goat rearing	1												15
Mushroom spawn Production	1												15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												15
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture	1												15
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													

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
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1												15
Others if any (ICT application in agriculture)													
Value chain management For profitable Agribusiness	1												15
Orientation and awareness programme on Custom hiring centres for betterment of farming community	1												15
ITKs for pest control	1												15
TOTAL	18												270

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												10
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												10

Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1												15
Livestock feed and fodder production													
Household food security	1												15
Women and Child care	1												15
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1												10
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	1												10
TOTAL	8												

2. Frontline demonstration to be conducted* -1

Crop: Ragi

Thrust Area: Nutrient management in Ragi

Thematic Area: Integrated Nutrient management

Season: Kharif (Year II)

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	Ragi	2/10	Application of lime @ 0.25LR (applied 15 days before sowing) along with 50%N-P2O5-K2O (30-20-20 kg ha-1) or FYM (to supply 30 kg N ha-1) with 50% N-P2O5-K2O resulted in significantly higher grain yield in ragi	Yield (q/ha), net income, B:C ratio, cost of intervention												

			as compared to 100% recommended dose. N was applied in three splits, 25, 50 and 25 per cent basal, at tillering and flowering stages respectively. P and K were applied as basal doses													
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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	Integrated Nutrient management in ragi	25		2 days	Off									

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

Frontline demonstration to be conducted* - 2

Crop: Rice

Thrust Area: BPH tolerant variety

Thematic Area: Integrated Crop management

Season: Kharif (Year I)

Farming Situation: Irrigated – medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1	Rice	2/10	Cultivation of BPH tolerant HYV Hasanta having duration 145 days	No.of BPH/hill, Chaffy grain%, No. of tillers/hill													10

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	Integrated Crop management on rice	25	F/FW	2 days	off									

Frontline demonstration to be conducted* - 3

Crop: Rice

Thrust Area:

Thematic Area: Integrated Nutrient management

Season: Kharif (Year I)

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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	2/10	Application of 50 % N as basal and rest % N based on LCC reading (≤ 3) using CLCC at regular intervals from 21 DAT	No. of tillers/m ² , filled grain/m ² No. of panicle/m ²												10

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	Integrated Nutrient management on rice	25	F/FW	2 days	off									

Frontline demonstration to be conducted* - 4

Crop: Maize

Thrust Area: Weed management in Maize

Thematic Area: Integrated Weed Management

Season: Rabi (Year I)

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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	2/10	Application of post-emergence herbicide tembotrione 100 gm/ha at 20 DAS	No. of weeds/m ² , WCE (%), WI (%)												10

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	
Training	Integrated Weed Management in maize	25	F/FW	1 day	Off									

Frontline demonstration to be conducted* - 5

Crop: Sesamum

Thrust Area: Capsule bore Management

Thematic Area : IPM

Season: Kharif (Year-I)

Farming Situation: Irrigated –Medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sesamum	2/10	Spraying of Spinosad @ 165 ml/ha at pod initiation & pod development stage.	Blast disease leaf%, Panicle affected by blast(%), No. of tiller/plan	Spinosad			2		2		6		10		10

Extension and Training activities under FLD on Blast management in Ragi

Activity	Title of Activity	No.	Clientel e	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Field day	Field day on Blast management in Ragi	1	Farmer/ FW	1	Off									50
Farmer’s training	Disease management in ragi	1	Farmer/ FW	1	Off									25

Frontline demonstration to be conducted* - 6

Crop: Ragi

Thrust Area: Blast disease Management

Thematic Area : IDM

Season: Kharif (Year-II)

Farming Situation: Irrigated –Medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	2/10	Seed treatment with either tricyclazole @ 3 gm/kg of seed or carboxin 37.5%+ thiram 37.5% @2.5 gm/kg and foliar spraying of either tricyclazole @ 300gm/ha or spraying of isoprothilane 40% EC @ 750 ml/ha twice at 15 days interval starting from the initiation of disease	Blast disease leaf%, Panicle affected by blast(%), No. of tiller/plant	Tricyclazole, Thiram	500	200	2		2		6		10		10

Extension and Training activities under FLD on Blast management in Ragi

Activity	Title of Activity	No.	Clientel e	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Field day	Field day on Blast management in Ragi	1	Farmer/ FW	1	Off									50
Farmer’s training	Disease management in ragi	1	Farmer/ FW	1	Off									25

Frontline demonstration to be conducted* - 7

Crop: Okra

Thrust Area: YMV management

Thematic Area : IDM

Season: Kharif, 2020 (Year-II)

Farming Situation: Irrigated Up 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	Okra	2/10	Seed treatment with Imidacloprid 600 FS @ 5 gm / Kg, Installation of Yellow Sticky Trap @ 50 / ha and spraying Acetamiprid 20 SP @ 0.3 gm / Lit. at 30 and 45 DAS	YMV plant % , infected fruit %	Imidacloprid, Yellow sticky trap, Acetamiprid	1000	300	3				7		10		10

Extension and Training activities under FLD on YMV management in Okra

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
Field day	Field day YMV management in Okra	1	Farmer/FW	1	Off									50
Farmer’s training	Integrated disease/pest management in Okra	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted* - 8

Crop: Brinjal

Thrust Area: Wilt complex management

Thematic Area : IDM

Season: Rabi, 2020-21 (Year-II)

Farming Situation: Irrigated Medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal	2/10	Seed treatment with Metalaxyl+Mancozeb 72% WP @ 2gm/kg +soil application of Carbofuran @ 1kg a.i./ha+ soil drenching of Carbendazim 0.15%+ Streptocycline 0.015% at 30 and 45 days after transplanting	wilting % in Nursery Wilting % in main field No. of plants/m ²	Metalaxyl+ Mancozeb ,Carbofuran, Carbandazim,Streptocyclene	1200	700	3				7		10		10

Extension and Training activities under FLD on wilt complex management in brinjal

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
Field day	Field day wilt management in Brinjal	1	Farmer/FW	1	Off									50
Farmer’s training	Disease management in Brinjal	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted* - 9

Crop: Mango

Thrust Area: Fruit fly management

Thematic Area : IPM

Season: Rabi, 2019-20

Farming Situation: Rainfed up 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	Mango	2/10	Destruction of fallen fruits, installation of Methyl eugenol trap@10/ha.,Poison batting with 1lt. Gur +10 lt. of water+ 20 ml deltamethrin for 01 ha. area	No.of fruit fly trapped/trap/ week Damaged fruit %	Methyl eugenol trap, Delta methrin	1000	400	2				8		10		10

Extension and Training activities under FLD on Mango

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	
Field day	Field day on Mango	1	Farmer /FW	1	Off									50
Farmer’s training	IPM in Mango	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* - 10

Crop: Honey bee

Thrust Area: Higher income

Thematic Area : Small scale income generation.

Season: Rabi, 2020-21

Farming Situation: Home stead

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
8	Honey bee	05	Colony installation, management of Hive, feed management in adverse climatic condition	No. of frame in super chamber filled with honey/yr No. of new colony formed/yr	Bee box, colony	3000	-	4		2		4		10		10

Extension and Training activities under FLD on Honey bee

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
Field day	Field day on Honey bee	1	Farmer /FW	1	Off									50
Farmer’s training	Honey bee rearing	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* - 11

Crop: Okra

Thrust Area: vegetable production

Thematic Area: weed management

Season: Kharif, 2020

Farming Situation: Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation technology demonstrated in to	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
9	Okra	1 ha	Pre-emergence application of Pendimethalin + Post-emergence application of Quizalofop ethyle @ 1 lit./ha	No. of weeds/m ² Yield (q/ha), B:C ratio,												10

Extension and Training activities under FLD on Okra

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
Field day	Field day on okra	1	Farmer /FW	1	Off									50
Farmer's training	Agro-technique for okra cultivation	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* - 12

Crop: Tomato

Thrust Area: vegetable production

Thematic Area: varietal evaluation

Season: Rabi-2020-21

Farming Situation: Irrigated up 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
10	Tomato Arka Rakshak	1.0 ha	Arka rakshak-High yielding F1 hybrid with triple resistant to ToLCV, BW & Early blight,. Seed rate 150gm/ha, spacing 75cm X 45cm, fertilizer dose 150:120:150 kg N:P:K per ha. Yield- 100 t/ha in 140-150 days	Wilting %, Fruit wt(g), No of fruit/plant Yield (q/ha), B:C ratio,												10

Extension and Training activities under FLD on Tomato

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	
Field day	Field day on tomato	1	Farmer/FW	1	Off									50
Farmer’s training	Off-season Tomato cultivation	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted* - 13

Crop: Brinjal

Thrust Area: vegetable production

Thematic Area: INM

Season: Kharif-2020

Farming Situation: Irrigated up 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	
11	Brinjal	1 ha	Application of N-125 kg., P ₂ O ₅ – 50 kg., K ₂ O – 50 kg. per ha., 5 kg. of Azospirillum & PSB each and foliar application of Boron @ 2 gm./litre of water	fruit weight (g), no. of fruits /plant Yield (q/ha), B:C ratio,													10

Extension and Training activities under FLD on Brinjal

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
Field day	Field day on brinjal	1	Farmer/FW	1	Off									50
Farmer’s training	Package of practices for Brinjal cultivation	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted* - 14

Crop: Bittergourd

Thrust Area: vegetable production

Thematic Area: ICM

Season: Rabi, 2020-21

Farming Situation: Irrigated Medium land

	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	
12	Bitter gourd	1 ha	Foliar application of Ethrel @ 200 ppm at 2 to 4 leaf stage & amino acids during flowering stage	First female flowering node, Fruit wt. (g), No. of fruits/plant Yield (q/ha), B:C ratio													10

Extension and Training activities under FLD on Bittergourd

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
Field day	Field day on Bittergourd	1	Farmer/FW	1	Off									50
Farmer’s training	Agro-technique for Bittergourd cultivation	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted* - 15

Crop: Carp

Thrust Area: Yearlings production

Thematic Area: Fish seed production

Season: Round the Year, 2020-21

Farming Situation: Rainfed/ irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
13	Carp	0.4 ha	Stocking fry 2 lakh/ha, Fryfed with de-oiled rice bran (crude protein: 12 to 15 percent)@2% biomass, with the occasional addition of raw rice bran and groundnut oil cake. Proper water quality management, manuring and fertilization as per the water quality parameter	Water quality parameter(pH, alkalinity, Plankton conc.) Avg body weight, Survivability (%),	IMC fry,											5

Extension and Training activities under FLD on Yearlings production

Activity	Title of	No.	Clientele	Duration	Venue	No. of Participants		
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	Activity				On/Off	SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Yearlings production practices	25	F/FW	1	Off									25
Field day	Demonstration of yearlings production	50	F/FW	1	Off									50
Literature distributed	Yearlings production (Odia)	500 nos												

Frontline demonstration to be conducted* - 16

Crop: Fish (Carp)

Thrust Area: Yearling stocking for yield enhancement in community pond

Thematic Area: Production and Management

Season: Round the year, 2020-21

Farming Situation: Rainfed/ irrigated extensive

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	
14	IMC	2 ha	Stocking density :- Yearling @ 5,000 Nos./ha Stocking ratio :- Surface :	Yield Parameter- Avg. Length, Avg. Wt. SGR Water Quality Parameter-pH.	Yearlings, Lime												5

			Column : Bottom feeder :: 3 : 4 : 3 Species composition:- Surface feeder (30%): Catla (ZP. Feeder) Column feeder (40%)- Rohu (Phytopkt. feeder)- 25-30% & Grass carp (Macro-vegetation feeder)- 10-15% Bottom feeder (30%)- Mrigal (Plant origin feeder)- 10-20% & Common carp (Animal origin feeder)- 10-20% Soil & Water quality mgmt..- Application of suitable Aquifers	DO, Plankton, Alkalinity													
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Extension and Training activities under FLD on yearling stocking for yield enhancement in community pond

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	Pisciculture in community pond	25	F/FW	1	Off									25
Field day	Demonstration on yearling stocking for yield enhancement in community pond	50	F/FW	1	Off									50

Frontline demonstration to be conducted* - 17

Crop: IFS

Thrust Area:

Thematic Area: Production and management

Season: Round the Year, 2020-21

Farming Situation: Rainfed/ irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
13	Carp	0.4 ha	Fish (IMC) @ 10,000 Nos/ha, Poultry@500-600 Nos/ha or	Yield Parameter (Fish)-Avg. Body Wt., %												5

			Duckery@250-300 Nos/ha with need based vegetable and fruit crops in the Bund Area. Soil and water test based Aquafer application for pond management. Balanced ration feeding as per the recommended dose.	of Survivability Animal – Meat & egg Vegetable: Yield Water Quality Parameter- Plankton, pH, DO2, Alkalinity, Hardness													
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Extension and Training activities under FLD on Yearlings production

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	
Training	Yearlings production practices	25	F/FW	1	Off									25
Field day	Demonstration of yearlings production	50	F/FW	1	Off									50

Literature distributed	Yearlings production (Odia)	500 nos												
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Frontline demonstration to be conducted* - 18

Crop: Fodder

Thrust Area: Dairy farming

Thematic Area: LPM

Season: Kharif

Farming Situation: Stall fed

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
	Fodder CO4	5 no	Demonstration on Hybrid Napier (CO-4) fodder production in dairy farming	Feeding cost/cow/day, milk production in kg/cow/day, change in milk fat and SNF%.	Rooted slips or stem cuttings											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	Different fodder crops and their cultivation practices	1	F/FW	1	Off									25

Frontline demonstration to be conducted* - 19

Crop: Goat

Thrust Area: Goat farming

Thematic Area: LPM

Season: Rabi

Farming Situation: Backyard poultry

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
	Goat	10	Demonstration on concentrate feeding in pregnant goats (does) for reducing kid mortality	Neonatal death%, Kid mortality rate (till weaning), body weight of kids at birth and at weaning	Concentrate feed, supplements											10

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	
Training	Care and management of pregnant does and kids	1	F/FW	1	Off									25

Frontline demonstration to be conducted* - 20

Crop: Poultry

Thrust Area: Poultry farming

Thematic Area: LPM

Season: Kharif

Farming Situation: Backyard poultry

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
	Poultry	10	Demonstration on artificial brooding management in chicks	Chick mortality rate during brooding period, body weight at 21 days, survivability of birds till start of laying.	Portable brooder and medicines											10

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	Brooding management in backyard poultry	1	F/FW	1	Off									25

Frontline demonstration to be conducted* - 21

Crop: Poultry

Thrust Area: Poultry farming

Thematic Area: LPM

Season: Rabi

Farming Situation: Backyard poultry

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
	Poultry	10	Demonstration on low input poultry breed kadaknath in backyard rearing system	Body weight gain at 21days, 1,2,3,4,5,6 months, age of sexual maturity, Age at first laying, Egg production/ annum	Brooded Kadaknath chicks											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Income generation through backyard poultry farming	1	RY	2	On									20

Frontline demonstration to be conducted* - 22

Crop: Mushroom

Thrust Area: Mushroom cultivation

Thematic Area: Small scale income generation

Season: Kharif, 2020

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
21	Paddy starw mushroom – V.volvaceae	200 beds	Straw-5kg, pulse powder 3%, soaking period-5hrs) and yield is avg.1 kg/bed, required temp. is 30-38 degree .	Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological efficiency(%), yield	spawn & polythene sheets				3				7		10	10

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
Paddy starw mushroom – V.volvaceae	Training , Field day	2	Farmer	2days	Off							75	75	

Frontline demonstration to be conducted* - 23

Crop: Nutritional garden

Thrust Area: Food & nutrition security

Thematic Area: Food security

Season: Throughout the year

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
22	Nutritional garden	0.5	A nutritional garden with trellis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level	Consumption of vegetables/day Availability of vegetable/day	Seeds & planting material						3		7		10	10

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
Nutritional garden	Training , Field day	2	Farmer	2days	Off								75	75

Frontline demonstration to be conducted* - 24

Crop: Sweet Potato

Thrust Area: Nutritional security

Thematic Area : Small scale income generation

Season: Kharif, 2020

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
23	Sweet Potato	0.2ha	Bio-fertilized variety of sweet potato var. Bhu Sona. High carotene (14.0mg/100g), Tuber yield : 19.8 t/ha	No. of tubers/plant, wt. of individual tuber	Planting material				4				6			10

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
Value addition in Sweet potato	Training , Field day	2	Farmer	2days	Off								75	75

Frontline demonstration to be conducted* - 25

Crop: Oyster Mushroom

Thrust Area: Mushroom cultivation

Thematic Area : Small scale income generation

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
24	Oyster mushroom	10	Mushroom are washed, sliced & blanched for 05 minutes with 0.05% KMS solution. Then cure mushroom with salt & mix with required amount of spices, oil & preservatives to desired taste.	Sensory parameter, Perishability, Keeping quality					3					7		10

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
Oyster cultivation	Training , Field day	2	Farmer	2days	Off								75	75

Frontline demonstration to be conducted* - 26

Crop: Hanging type grain cleaner

Thrust Area: High drudgery in manual cleaning

Thematic Area : Drudgery reduction

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	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
24	Hanging type grain cleaner	10	Cleaning by using Hanging type Grain Cleaner with sack holder	Cleaning Output , Energy Expenditure/m in, Saving in cardiac cost(%),WHR /min					3					7		10

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
Hanging type grain cleaner	Training , Field day	2	Farmer	2days	Off							75	75	

Frontline demonstration to be conducted* - 27

Crop: Acacia mangium

Thrust Area: Less plantation of forest species

Thematic Area : Agro-forestry

Season: Kharif, 2020-21

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
24	Acacia mangium	10	Seedling <i>Acacia mangium</i> to be planted in the homestead/back yard of farmer at a spacing of 3mx3m,	No. of seedlings established, height of plants, collar diameter, no of branches					3					7		10

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	
Field day	Field day on multi purpose tree species	1	Farmer	1	Off									50
Farmer’s training	Training on multi purpose tree species	1	Farmer	1	Off									25

Frontline demonstration to be conducted* - 28

Crop : Jackfruit

Thrust area : Distress sale

Thematic area : Agro-forestry

Season: kharif 2020

Enterprises	Proposed area/no.	Technology package for demo	Programmer data in relation to technology demonstrated	Cost of cultivation		Local	No. of beneficiary									
				name of input	Demo		Sc		St		Others		Total			
							M	F	M	F	M	F	M	F	T	
Soft type jackfruit leather preparation	10	Jackfruit leather mainly prepared from soft type jackfruit puree with added ingredients(like sugar, salt with recommended preservatives),then the prepared puree will be spread on a tray and sundried				-										10

Extension and Training activities under FLD on value addition in Jackfruit

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
Field day	Field day on value addition on Jackfruit	1	Farmer	1	Off									50
Farmer’s training	Training on value addition of Jackfruit	1	Farmer	1	Off									25

Frontline demonstration to be conducted* - 29

Crop : Groundnut

Thrust area : Less efficacy of existing dissemination

Thematic area :

Season: kharif 2020

Enterprises	Proposed area/no.	Technology package for demo	Programmer data in relation to technology demonstrated	Cost of cultivation		Local	No. of beneficiary									
				name of input	Demo		Sc		St		Others		Total			
							M	F	M	F	M	F	M	F	T	
Short technology video	10	Production packages will be divided into different segments and short videos will be produced and disseminated through whatsapp	Understanding the method and process depicted in the video -Retention of the message			-										10

Extension and Training activities under FLD on short technology videos on technology adoption

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
Field day	Field day	1	Farmer	1	Off									50
Farmer’s training	Training	1	Farmer	1	Off									25

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

Name of the Crop / Enterprise	Variety / Type	Period From..... to	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pooja	Kharif-2020	4.0	Seed	160			
	Sarala	Kharif-2020	2.0	seed	80			
Ragi	Arjuna	Kharif-2020	1.0	seed	8			
Pigeon pea	PRG-176	Kharif-2020	1.0	Seed	10			
Sunhemp	Local	Kharif-2020	0.2	seed	1.25			
Black gram	OBG 33	Rabi -2020-21	1.0	Seed	7.5			
Tomato seedling	Arka Rakshak	Rabi -2020-21		PM	10000 no.			
Papaya seedling	Red Lady	Kharif-2020		PM	6000 no.			
K. Lime gootee	Local	Kharif-2020		PM	200 no.			
Drumstick	PKM-2	Kharif-2020		PM	300 no.			
Guava gootee	Bihi, L-49	Kharif-2020		PM	100 no.			
Brinjal seedling	Swarna Symali,	Rabi -2020-21		PM	10,000 no.			
Onion	Agrifound Light Red	Rabi -2020-21		PM	80,000 no.			
Mushroom spawn	Oyster & paddy straw	Round the year		Others	2500 no.			
vermicompost		Round the year		others	40 qt.			
vermin		Round the year		others	20 kg			
Poultry chick		Round the year		others	1500 no.			
Fingerling		Round the year		others	10,000 no.			
Honey		Round the year		others	8 kg.			

b) Village Seed Production Programme

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

3. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	16										
2.	KisanMela	2										
3.	KisanGhoshthi	2										
4.	Exhibition	2										
5.	Film Show	16										
6.	Method Demonstrations	11										
7.	Farmers Seminar	1										
8.	Workshop	2										
9.	Group meetings	8										

10.	Lectures delivered as resource persons	54										
11.	Advisory Services	60										
12.	Scientific visit to farmers field	160										
13.	Farmers visit to KVK	850										
14.	Diagnostic visits	40										
15.	Exposure visits	15										
16.	Ex-trainees Sammelan	5										
17.	Soil health Camp	5										
18.	Animal Health Camp	4										
19.	Agri mobile clinic	2										
20.	Soil test campaigns	6										
21.	Farm Science Club Conveners meet	2										
22.	Self Help Group Conveners meetings	5										
23.	Mahila Mandals Conveners meetings	4										
24.	Celebration of important days (World food day, Women in Agriculture day, International womens day.)	3										
25.	Sankalp Se Siddhi	2										
26.	Swachta Hi Sewa	20										
27.	Mahila Kisan Diwas	1										
28.	Any Other (PM Live Telecast Programme)	4										
	Total											

4. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2020)	Amount proposed to be invested during 2019-2020	Expected Return

5. Expected fund from other sources and its proposed utilization

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

9. ON-FARM TRIALS TO BE CONDUCTED*1

- I. **Season: Kharif (Year-II)**
- II. **Title of the OFT:ASSESEMENT OF YIELD PERFORMANCE OF HIGH YIELDING RAGI VARIETY**
- III. **Thematic Area:** Yield evaluation
- IV. **Problem diagnosed:** Low yield from existing ragi variety
- V. **Important Cause:** Yield of existing ragi variety is low due to less no of fingers/panicle, less tillers/hill
- VI. **Production system:** Rice-green gram
- VIII. **Micro farming system:** Rainfed-medium land
- IX. **Technology for Testing:**
- X. **Existing Practice:** cultivation of local varieties
- XI. **Hypothesis:** All the varities of ragi were high yielding with potential yield of 25-35 q/ha
- XII. **Objective(s):**
- XIII. **Treatments:**
 - a. Farmers Practice (FP): Budha mandia
 - b. Technology option-I (TO-I): Bhairabi
 - c. Technology option-II: Arjun
 - d. Technology option-III (TO-III): Kalua
- XIV. **Critical Inputs:** seeds
- XV. **Unit Size:** 1 ha
- XVI. **No of Replications:** 7
- XVII. **Unit Cost:** 500
- XVIII. **Total Cost:** 3500
- XIX. **Monitoring Indicator:** No of tillers/plant, no of fingers/panicle, test weight
- XX. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CPR, Berhampur (2009, 2015, 2016)

ON-FARM TRIALS TO BE CONDUCTED* 2

- i. **Season:** Kharif (Year-I)
- ii. **Title of the OFT:** ASSESSMENT ON PRE & POST EMERGENCE HERBICIDES IN DSR .
- iii. **Thematic Area:** Weed management
- iv. **Problem diagnosed:** Low Yield Due To Heavy Weed Infestation
- v. **Important Cause:** Heavy weed infestation due to problem in weed management in direct seeded rice
- vi. **Production system:** Rice-green gram
- vii. **Micro farming system:** Rainfed-up land
- viii. **Technology for Testing:**
- ix. **Existing Practice:** Manual weeding
- x. **Hypothesis:** pre and post emergence herbicide application in rice will effectively control weeds
- xi. **Objective(s):**
- xii. **Treatments:**
 - a. Farmers Practice (FP): Poor growth due to weed infestation in DSR.
 - b. Technology option-I (TO-I): Application of pyrazosulfuron @ 20 g/ha as pre-emergence stage i.e 0-3 DAS followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e 25 DAS
 - c. Technology option-II: Application of Bispyribac Na fb ethoxysulfuron (25 & 15 g/ha at 7 & 21 DAS)
- xiii. **Critical Inputs:** pre emergence and post emergence herbicides
- xiv. **Unit Size:** 1 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 550
- xvii. **Total Cost:** 3850
- xviii. **Monitoring Indicator:** No of weeds (m²), Weed index (%), weed control efficiency(%)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Weed Management (2012 and 2015)

ON-FARM TRIALS TO BE CONDUCTED* - 3

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT:** ASSESSMENT OF IPM PRACTICE AGAINST FALL ARMY WORM IN MAIZE.
- iii. **Thematic Area:** Integrated Pest Management
- iv. **Problem diagnosed:** Leaves & cobs damaged, Low yield
- v. **Important Cause:**
- vi. **Production system:**
- vii. **Micro farming system:** Rainfed-Up land
- viii. **Technology for Testing:**
 - Technology option-I (TO-I):
 - Technology option-II (TO-II):
- ix. **Existing Practice:**
- x. **Hypothesis:**
- x1. **Objective(s):**
- xi. **Treatments:**
 - Farmers Practice (FP): Spraying of Triazophos
 - Technology option-I (TO-I): Application of Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Release of Trichogramma @ 50000eggs/ha. 3-4 times at 10 days interval, need based application of Chlorpyrifos +

cypermethrin@ 1lt./ha., Spraying of Beauveria bassiana @ 1kg/ha at cob stage. Dusting of Chlorpyrifos dust in the field bund, erection of bird perches @ 25/ha.

Technology option-II (TO-II): Seed treatment with Cyntraniliprole+Thiamethoxam@4ml/kg of seed , application of Neem pesticide(1500ppm) @ 1.5 lt./ha at 20 DAS, Release of Trichogramma @ 50000eggs/ha. 3-4 times at 10 days interval, Need based application of Emamectin benzoate@ 200ml/ha., Spraying of Bt@ 1kg/ha at tassel stage. Dusting of Chlorpyrifos dust in the field bund, erection of bird perches @ 25/ha.

- xiii. Critical Inputs:** Trichoderma, Vermicompost, Carbandazim + Mancozeb
- xiv. Unit Size:** 0.2ha
- xv. No of Replications:** 07
- xvi. Unit Cost:** 700
- xvii. Total Cost:** 4900
- xviii. Monitoring Indicator:** No. of rotted vines/plant, Avg. wt. of corm, No. of affected plants/100 m²
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CTCRI, Annual report, 2016-17, 2017-18

ON-FARM TRIALS TO BE CONDUCTED* - 4

- i. Season:** Kharif, 2020
- ii. Title of the OFT:** ASSESSMENT OF INTEGRATED DISEASE MANAGEMENT PRACTICE FOR COLLAR ROT/VINE ROT IN YAM
- iii. Thematic Area:** Integrated Disease management
- iv. Problem diagnosed:** Rotting of vines , Small sized corm, Low yield
- v. Important Cause:** rotting is caused by Fusarium fungus
- vi. Production system:** Yam-fallow
- vii. Micro farming system:** Rainfed-Up land
- viii. Technology for Testing:**
Technology option-I (TO-I): Tuber treatment with Trichoderma@ 10gram+100gram cow dung slurry + 1 litre of water for 30 minutes. On appearance of disease soil drenching with Carbandazim + mancozeb @ 1kg/ha.
Technology option-II (TO-II): Tuber treatment with Carbandazim + Mancozeb @ 2ml/lt, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim + Mancozeb @ 1kg/ha.
- ix. Existing Practice:** Spraying of Carbandazim + Mancozeb@ 1kg/ha.
- x. Hypothesis:** Trichoderma incorporated with vermicompost increases its efficacy.
- x1. Objective(s):** To evaluate different Integrated Disease Management practices for Collar/vine rot in Yam
- xi. Treatments:**
Farmers Practice (FP): Spraying of Carbandazim + Mancozeb@ 1kg/ha
Technology option-I (TO-I): Tuber treatment with Trichoderma@ 10gram+100gram cow dung slurry + 1 litre of water for 30 minutes. On appearance of disease soil drenching with Carbandazim + mancozeb @ 1kg/ha.

- Technology option-II (TO-II):** Tuber treatment with Carbandazim + Mancozeb @ 2ml/lit, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim + Mancozeb @ 1kg/ha
- xiii. **Critical Inputs:** Trichoderma, Vermicompost, Carbandazim + Mancozeb
 - xiv. **Unit Size:** 0.2ha
 - xv. **No of Replications:** 07
 - xvi. **Unit Cost:** 700
 - xvii. **Total Cost:** 4900
 - xviii. **Monitoring Indicator:** No. of rotted vines/plant, Avg.wt.of corm,No.of affected plants/100 m²
 - xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CTCRI, Annual report,2016-17,2017-18

ON-FARM TRIALS TO BE CONDUCTED* 5

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT:** ASSESSMENT OF FOLIAR APPLICATION OF GROWTH REGULATOR IN CHILLI
- iii. **Thematic Area:** ICM
- iv. **Problem diagnosed:** Low yield due to poor fruit setting and heavy fruit drop
- v. **Important Cause:** hormonal imbalance and pollen washing in heavy rainfall leading to fruit drop
- vi. **Production system:** vegetable -vegetable
- vii. **Micro farming system:** Irrigated up land
- viii. **Technology for Testing:** hormone application
- ix. **Existing Practice:** no application of hormone
- x. **Hypothesis:** Use of hormones prevent fruit drop
- xi. **Objective(s):** To evaluate efficacy of hormone
To enhance yield
- xii. **Treatments:**
Farmers Practice (FP): No application of growth regulator
Technology option-I (TO-I): Spray of NAA @ 10 ppm at 60 and 90 days after planting
Technology option-II (TO-II): Spray of Triacantanol @ 1.25ml/liter at 20, 40, 60 and 80th days of planting.
- xiii. **Unit Size:** 0.1 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 300
- xvi. **Total Cost:** 2100
- xvii. **Monitoring Indicator:** No. of fruits /plant,
- xviii. **Source of Technology** TNAU, 2015

ON-FARM TRIALS TO BE CONDUCTED* 6

- i. **Season:** Rabi, 2020-21
- ii. **Title of the OFT:** ASSESSMENT OF PERFORMANCE OF BRINJAL VARIETIES FOR BACTERIAL WILT DISEASE MANAGEMENT
- iii. **Thematic Area:** varietal evaluation
- iv. **Problem diagnosed:** mortality of plant.
- v. **Important Cause:** wilt
- vi. **Production system:** Paddy -Vegetable
- vii. **Micro farming system:** Irrigated up land
- viii. **Technology for Testing:** wilt tolerant variety
- ix. **Existing Practice:** cultivation of variety susceptible to wilt
- x. **Hypothesis:** Use of wilt tolerant variety increase yield
- xi. **Objective(s):** To evaluate varieties for wilt tolerance
To enhance yield
- xii. **Treatments:**
Farmers Practice (FP): Utkal
Technology option-I (TO-I): Swarna Shree
Technology option-II (TO-II): Swarna Shyamali
- xiii. **Unit Size:** 0.1 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 2000
- xvi. **Total Cost:** 14000
- xvii. **Monitoring Indicator:** Wilt %, Fruit weight
- xviii. **Source of Technology:** ICAR-RCER, Ranchi

ON-FARM TRIALS TO BE CONDUCTED* 7

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT: ASSESSMENT OF AMUR CARP FOR INCREASING FISH PRODUCTION IN POLYCULTURE SYSTEM**
- iii. **Thematic Area:** Production and management
- iv. **Problem diagnosed:** Slow growth rate & stocking rate of Mrigal (ab 30%) greatly hampers the average yield from unit area of culture
- v. **Important Cause:** Fast growing, Body is slender and belly is smaller, bottom feeder and can suitably substitute mrigal. Late maturing (First spawning at the end of first year), Accepts artificial feed and Not found susceptible for diseases
- vi. **Production system:** Polyculture system
- vii. **Micro farming system:**
- viii. **Technology for Testing:** Amur carp for increasing fish production in polyculture system
- ix. **Existing Practice:** Stocking catla: rohu:mrigal (no stocking of Amur carp)
- x. **Hypothesis:** Stocking of amur carp increase yield
- xi. **Objective(s):** High yield of fishes due to stocking Amur carp
- xii. **Treatments:**
 - Farmers Practice (FP):** Stocking ratio Catla: Rohu : Mrigal:: 30:40:30
 - Technology option-I (TO-I):** Stocking ratio Catla: Rohu : Mrigal :Amur carp :: 30:40:15:15
 - Technology option-II (TO-II):** Stocking ratio Catla: Rohu :Amur carp :: 30:40:30
- xiii. **Critical Inputs:** Amur carp
- xiv. **Unit Size:** 1 acre
- xv. **No of Replications:** 5
- xvi. **Unit Cost:** 2000
- xvii. **Total Cost:** 10000
- xviii. **Monitoring Indicator:** Growth Parameter:Avg. Body Wt. & Length, Survivability%, SGR (%); Water quality Parameter:Plankton, pH, DO2, Alkalinity, Hardness
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar-2013

ON-FARM TRIALS TO BE CONDUCTED* 8

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT: ASSESSMENT OF SOIL AND WATER PROBIOTICS AS REMEDIAL MEASURES FOR PROBLEMATIC WATERS**
- iii. **Thematic Area:** Production and management
- iv. **Problem diagnosed:** No soil and water test based manuring, fertilizer and aquafers application.
- v. **Important Cause:** Fast growing, Body is slender and belly is smaller, bottom feeder and can suitably substitute mrigal. Late maturing (First spawning at the end of first year), Accepts artificial feed and Not found susceptible for diseases
- vi. **Production system:** Polyculture system
- vii. **Micro farming system:**
- viii. **Technology for Testing:** Soil and water probiotics as remedial measures for problematic waters
- ix. **Existing Practice:** application of lime @ 40kg/acre before stocking seed and no intermediate application of lime in fish pond. no application of probiotics
- x. **Hypothesis:** Soil and water probiotic application maintain water quality
- xi. **Objective(s):** To evaluate the performance of soil and water probiotic for water quality management. To assess the yield of fishes
- xii. **Treatments:**
Farmers Practice (FP): Application of Organic manure.
Technology option-I (TO-I): Application of Water probiotic @ 1kg/Ac at fortnight interval.
Technology option-II (TO-II): Application of Soil Probiotic @ 1lt/Ac at Fortnight interval.
Technology option-III (TO-III): Alternative application of both soil and water probiotic at fortnight interval.
- xiii. **Critical Inputs:** water and soil probiotics
- xiv. **Unit Size:** 1 acre
- xv. **No of Replications:** 5
- xvi. **Unit Cost:** 2500
- xvii. **Total Cost:** 12500
- xviii. **Monitoring Indicator:** Growth Parameter: Avg. Body Wt. & Length, Survivability%, SGR (%); Water quality Parameter: Plankton, pH, DO₂, Alkalinity, Hardness
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** COF(OUAT), 2015

ON-FARM TRIALS TO BE CONDUCTED* - 9

- i. Season: Year round
- ii. **Title of the OFT: COMPARATIVE ASSESSMENT OF MULTI-ENZYME MIXTURE AND PROBIOTICS ON GROWTH OF CHICKENS IN SEMI INTENSIVE SYSTEM OF REARING**
- iii. Thematic Area: LPM, Poultry management
- iv. Problem diagnosed: High feed consumption in chicken farming. High cost of feeding of poultry rearing. Low FCR due to under utilization of fiber in feed. High incidence of diarrhoea and diseases
- v. Important Cause: Morbidity & Mortality in Backyard poultry
- vi. Production system: Backyard
- vii. Micro farming system: Semi-intensive
- viii. Technology for Testing: Effect of probiotics and multi-enzyme on feed utilization and health
- ix. Existing Practice: Free ranging, no probiotics/ enzyme feeding
- x. Hypothesis: Probiotics and multi enzyme will increase the utilization of fiber in gut
- xi. Objective(s):
- xii. Treatments:
Farmers Practice (FP): No supplement feeding
TO1: Feeding of commercial broiler feed (added with probiotic mixture @ 0.05%) @50% of daily requirement and free range feeding for improved gut health and nutrient utilization.
TO2: Feeding of commercial broiler feed (added with multi-enzyme mixture @ 0.05%) @50% of daily requirement and free range feeding and free range feeding improved nutrient utilization.
- xiii. Critical Inputs: Probiotics & multienzyme
- xiv. Unit Size: 100
- xv. No of Replications: 100
- xvi. Unit Cost: 70g
- xvii. Total Cost: 7000
- xviii. Monitoring Indicator: Body weight at 1.5, 2, 2.5, 3 month , morbidity, mortality, diarrhoea
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): CARI 2017-18

On-farm trials to be conducted* 10

- i. Season: Year round
- ii. **Title of the OFT: ASSESSMENT OF DIFFERENT CONCENTRATE MIXTURE FOR**
- iii. **NUTRITIONAL MANAGEMENT IN CB HEIFER**
- iv. Thematic Area: LPM, Dairy management
- v. Problem diagnosed: Improper nutrition of dairy heifer animals, late puberty, anestrus
- vi. Important Cause: reproduction failure
- vii. Production system: Stall fed
- viii. Micro farming system: Semi-intensive
- ix. Technology for Testing: Different concentrate mixture for heifer health.
- x. Existing Practice: Feeding of straw and wheat bran
- xi. Hypothesis: Concentrate mixture provides required protein for reproductive health of the heifer
- xii. Objective(s): to Improve reproductive parameters
- xiii. Treatments:
Farmers Practice (FP): Feeding of straw and wheat bran

- TO1:** straw + Concentrate mixture 1 (Maize-50%, Wheat bran -13%, mustard oil cake- 35%, mineral mix -1%, salt -1%)
- TO2:** Straw + Concentrate mixture 2 (Maize- 0, Wheat bran – 80%, mustard oil cake- 18%, mineral mix -1%, salt -1%)
- xiv. Critical Inputs: Concentrate mixture
 - xv. Unit Size: 10
 - xvi. No of Replications: 10
 - xvii. Unit Cost: 150
 - xviii. Total Cost: 15000
 - xix. Monitoring Indicator: Body weight at puberty, age at first heat, conception rate
 - xx. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): IGFRI, 2017

ON-FARM TRIALS TO BE CONDUCTED* - 11

- I. **Season:** Kharif, 2020
- II. **Title of the OFT:** ASSESSMENT OF DIFFERENT CHEMICALS FOR CONTROLLING COMPETITOR MOULDS IN PADDY STRAW MUSHROOM
- III. **Thematic Area:** Small scale income generative activity
- IV. **Problem diagnosed:** Low yield of paddy straw mushroom due to moulds attack
- V. **Important Cause:** Low yield of paddy straw mushroom due to Competitor moulds attack in bed
- VI. **Production system:** Mushroom
- VII. **Micro farming system:** Homestead
- VIII. **Technology for Testing:** Technology option-I (TO-I): Pre- soaking of the paddy straw bundle with 0.02% of Bleaching powder Technology option-II (TO-II): Pre soaking of the paddy straw bundle with 1% Calcium carbonate
- IX. **Existing Practice:** Cultivation of paddy straw mushroom in existing method and no management of moulds .
- x. **Hypothesis:** Pre- soaking of the paddy straw bundle with Bleaching powder/ Calcium carbonate may control different competitor moulds and increase yield.
- xi. **Objective(s):** To evaluate application of different chemical for control of competitor mould attack in paddy straw mushroom
- xii. **Treatments:**
 - Farmers Practice (FP):** Cultivation of paddy straw mushroom in existing method and no management of moulds
 - Technology option-I (TO-I):** Pre- soaking of the paddy straw bundle with 0.02% of Bleaching powder
 - Technology option-II (TO-II):** Pre soaking of the paddy straw bundle with 1% Calcium carbonate
- xiii. **Critical Inputs:** Bleaching powder and Calcium carbonate
- xiv. **Unit Size:** 210 beds
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 200
- xvii. **Total Cost:** 1400
- xviii. **Monitoring Indicator:** Pin head appearance(days), Days of first flush, Average fruit body wt, Biological Efficiency (%), Infected bed%
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : AICRP on Mushroom CTMRT, 2014

ON-FARM TRIALS TO BE CONDUCTED* - 12

- i. **Season:** Rabi, 2020-21
- ii. **Title of the OFT:** ASSESSMENT OF YIELD PERFORMANCE OF DIFFERENT VARIETIES OF OYSTER MUSHROOM
- iii. **Thematic Area:** Small scale income generation
- iv. **Problem diagnosed:** Low yield of oyster mushroom due to low temperature
- v. **Important Cause:** yield of oyster mushroom var. *P sajorcaju* affect due to low temperature
- vi. **Production system:** Mushroom
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:**
Technology option-I (TO-I): Cultivation of oyster mushroom var. *Pleurotus ostreatus*
Technology option-II (TO-II): Cultivation of oyster mushroom var. *Hypsizygus ulmarius*
- ix. **Existing Practice:** Cultivation of oyster mushroom var. *Pleurotus sajorcaju*
- x. **Hypothesis:** Cultivation of oyster mushroom var. *Pleurotus ostreatus*/ var. *Hypsizygus ulmarius* may give more yield during low temperature.
- xi. **Objective(s):** To evaluate the yield potentials of different variety of Oyster mushroom in low temperature.
- xii. **Treatments:**
Farmers Practice (FP): Cultivation of oyster mushroom var. *Pleurotus sajorcaju*
Technology option-I (TO-I): Cultivation of oyster mushroom var. *Pleurotus ostreatus*
Technology option-II (TO-II): Cultivation of oyster mushroom var. *Hypsizygus ulmarius*
- xiii. **Critical Inputs:** Oyster mushroom, spawn, polythene bag
- xiv. **Unit Size:**
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 522
- xvii. **Total Cost:** 3654
- xviii. **Monitoring Indicator:** Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological Efficiency (%)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : CTMRT, OUAT, 2012

ON-FARM TRIALS TO BE CONDUCTED* - 13

- i. **Season:** Rabi, 2020
- ii. **Title of the OFT:** ASSESSMENT OF DIFFERENT PLANTING TIME FOR BETTER MARKET PRICE OF TOMATO
- iii. **Thematic Area:** Marketing
- iv. **Problem diagnosed:** Distress sale of Tomato in rabi season
- v. **Important Cause:** Market glut
- vi. **Production system:** Rice-Tomato
- vii. **Micro farming system:** Irrigated medium land
- viii. **Technology for Testing:**
Technology option-I (TO-I): Advancing of planting time by one month to help in capturing higher market price in initial period.
Technology option-II (TO-II): Delaying of planting time by one month to help in capturing higher market price.

- ix. **Existing Practice:** Planting of seedling in the month of October
- x. **Hypothesis:** Early or late planting may increase the price
- xi. **Objective(s):** To evaluate planting date for higher income
- xii. **Treatments:**
 Farmers Practice (FP): Planting in the month of October
 Technology option-I (TO-I): Advancing of planting time by one month to help in capturing higher market price in initial period.
 Technology option-II (TO-II): Delaying of planting time by one month to help in capturing higher market price
- xiii. **Critical Inputs:** seedling
- xiv. **Unit Size:** 0.1ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 400
- xvii. **Total Cost:** 2800
- xviii. **Monitoring Indicator:** Plant ht., No.of fruits/plant, Fruit wt., Disease & pest incidence, Market price
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

*Repeat the same format for EACH OFT being proposed.

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	NICRA	855000
2	ARYA	1931000
3	NORWAY Resilience Project	
4	DAMU	600000

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2020-2021
22.11.2019	24.11.2020

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	210										21	1020
Water Samples												
Other (Please specify)												

Total	210									21	1020
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14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.202019	Expected fund requirement (Rs.)
Repairing & Renovation		18,50,000/-
Farm Machinery		8,00,000/-
Total		26,50,000

* Any additional requirement may be suitably justified.

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

Senior Scientist & Head
KVK, Ganjam-I