

REVISED PROFORMA FOR ACTION PLAN 2020

1. Name of the KVK: KORAPUT

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2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar-751003, Odisha, India	0674- 2397970/23978 18/ 2397719		registrarouat@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
Vegetable Crops	Cultivation technique of Kharif Potato	1	1	Off	July 2020									25
Spices	Nutrient management of Turmeric	1	1	Off	July 2020									25
Vegetable	Cultivation of hybrid tomato	1	1	Off	Aug 2020									25
Vegetables	Improved cultivation technique of Dolichos bean	1	1	Off	September 2020									25
Medicinal and aromatic plants	Cultivation technique of lemongrass	1	1	Off	September 2020									25

spices	Management of rabi Onion	1	1	Off	October 2020										25
Vegetables	Integrated Nutrient Management Cauliflower	1	1	Off	November 2020										25
Fruits	Rejuvenation technique of senile orchard of mango	1	1	Off	November 2020										25
Vegetable crops	Improved nursery raising of cole Crops	1	2	On	Dec 2020										25
Vegetable Crops	Management of nutritional garden	1	2	On	January 2021										25
spices	Cultivation technique of black pepper, cardamom	1	1	Off	Feb 2021										25
Vegetable crops	Offseason vegetable cultivation	1	1	Off	March 2021										25
CP	Management practice for control of BPH in rice	1	1	OFC	July 2020										25
CP	Improved cultivation practice of finger millet	1	1	OFC	July 2020										25
CP	Integrated weed management of rice in rainfed medium land	1	1	OFC	Aug 2020										25
CP	Integrated nutrient management of Niger in Rainfed up land	1	1	OFC	Aug 2020										25
CP	Integrated weed	1	1	OFC	Sept 2020										25

	management in Groundnut under irrigated medium land situation													
CP	Integrated nutrient management practice of Sugarcane	1	2	ONC	Oct 2020									25
CP	Integrated nutrient management in Green Gram	1	1	OFC	Nov 2020									25
CP	Use of trans planter in rice	1	1	OFC	Dec 2020									
CP	Use of Green manures in major Field crops	1	1	ONC	Jan 2021									25
CP	Improved cultivation practice of Maize	1	1	OFC	Jan 2021									25
CP	Waste recycling in Integrated Farming System	1	1	OFC	Feb 2021									25
CP	Use of biofertiliser in pulse	1	1	OFC	March 2021									25
PP	Management of Fall army worm in maize	1	1	OFC	June, 2020									25
PP	Management of false smut in rice	1	1	OFC	June, 2020									25
PP	Management of important insect pest in rice	1	1	ONC	July, 2020									25
PP	Management of foliar diseases in rice	1	1	OFC	Aug., 2020									25
PP	Management of	1	1	OFC	Aug., 2020									25

	bacterial and fungal wilt in Tomato														
PP	Management of pests and diseases in Potato	1	2	ONC	Sept., 2020										25
PP	Management of rizome rot in Ginger	1	1	OFC	Sept.2020										25
PP	Management of fruit borer in Tomato	1	1	OFC	October, 2020										25
PP	Management of pest and diseases in mango	1	2	ONC	Nov. 2020										25
PP	Management of pest and diseases in onion	1	2	ONC	December, 2020										25
PP	Management of pest s and diseases in pigeon pea	1	2	ONC	January, 2021										25
PP	Management of pests and diseases in brinjal,	1	2	ONC	February, 2021										25
AGF	Agroforestry for sustainable production	1	1	Off	June, 2020										25
AGF	Importance and cultivation aspects of green manuring trees (Gliricidia) in Koraput district.	1	1	Off	June, 2020										25
AGF	Plantation and management of Eucalyptus	1	2	On	July, 2020										25
AGF	Training and Pruning of agroforestry trees	1	2	On	Aug., 2020										25

AGF	Intercropping of trees for maximizing profit	1	1	Off	Aug., 2020										25
AGF	Renewable energy sources for natural resource conservation	1	1	Off	Sept., 2020										25
AGF	Integrated commercial farming through Horti-agroforestry crops	1	2	On	Oct., 2020										25
AGF	Fertilizer management in Agroforestry trees	1	2	On	Nov., 2020										25
AGF	Nursery establishment of agroforestry trees for income generation	1	2	On	Oct., 2020										25
AGF	Important agroforestry trees	1	1	Off	Dec., 2020										25
AGF	Insect pest and disease management in trees	1	2	On	Jan., 2021										25
AGF	Cultivation of medicinal trees (Aonla and Harida) for higher income	1	1	Off	Feb., 2021										25
Fishery	Different type of aquatic weed and their control	1	1	Off	July. 2020										25
Fishery	Nursery, rearing and stocking pond management in fish culture	1	2	On	Aug, 2020										25
Fishery	Manuring of fish pond	1	2	On	Aug.2020										25
Fishery	6 species composite carp	1	1	Off	Sept.2020										25

	culture													
Fishery	Different type of fish diseases and their control	1	1	Off	Oct. 2020									25
Animal science	Rearing of Banaraja in backyard	1	1	Off	Nov., 2020									25
Fishery	Stunted fingerling production in cemented tank	1	1	Off	Dec. 2020									25

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Fruits	Commercial cultivation and propagation technique of Mango, banana, cashew	1	3	On	August 2020									15
Ornamental Plants	Commercial cultivation and propagation technique of rose, marigold and tuberose	1	3	On	Oct 2020									15
Spices	Value addition of ginger and Turmeric	1	3	On	Jan 2021									15
CP	seed production of Paddy and Ground nut	1	3	ONC	Aug 2020									15
CP	Vermi composting is a source of income	1	3	ONC	Oct 2020									15

CP	Organic farming	1	3	ONC	Nov 2020									15
PP	Mass multiplication of <i>Trichoderma spp.</i> 15	1	3	ONC	Sept., 2020									15
PP	Oyster mushroom cultivation	1	3	ONC	October. 2020									15
PP	Production of Organic Pesticides and their use in pest & disease management	1	3	ONC	January, 2021									15
AGF	Quality planting material production and Nursery raising an enterprise	1	3	On	July, 2020									15
AGF	Scientific Bee keeping	1	3	On	Nov., 2020									15
AGF	Bamboo for income generation	1	2	On	Feb., 2021									15
Fishery	Fish cum poultry farming system	1	3	On	October, 2020									15
Fishery	Ornamental fish culture	1	3	On	November, 2020									15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Tuber crops	Commercial cultivation and propagation	1	2	On	September 2020									15

	technique of Tuber crops ltivation and propagation technique of Tuber crops													
Vegetable Crops	Protective cultivation	1	2	On	Dec2020									15
CP	Improved oil seed and pulse production practices	1	2	ONC	Sept 2020									15
CP	Soil and water conservation practises	1	2	ONC	March 2021									15
PP	Detection and diagnosis of important diseases of major agricultural and horticultural crops grown in Koraput region and their management practices	1	2	ONC	January, 2021									15
PP	Biological control of Plant diseases	1	2	ONC	February, 2021									15
AGF	Agroforestry for enhancing soil fertility	1	2	On	Sept., 2020									15
AGF	Management of agroforestry trees	1	2	On	Jan., 2021									15

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

Farmers and Farm women

Thematic Area	No. of Cours es	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	1												25
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2												50
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1												
Others, (cultivation of crops)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6												150
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	3												75
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)	1												150
TOTAL	6												
b) Fruits													
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	1												25
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any(INM)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1												25
c) Ornamental Plants													
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops													
Production and Management 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	4												100
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4												100
g) Medicinal and Aromatic Plants													
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	1												25
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1												25
III. Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-		--	--
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	3	-	-	-	-	-	-	-	-	-	-	-	75
Production and use of organic inputs	2	-	-	-	-	-	-	-	-	-	-	-	50
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5	-	-	-	-	-	-	-	-	-	-	-	125
IV. Livestock Production and Management													
Dairy Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry Management	1												25

Thematic Area	No. of Cours es	No. of Participants									Grand Total		
		Other			SC			ST					
	M	F	T	M	F	T	M	F	T	M	F	T	
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Goat farming)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1												25
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	1												25
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1												25
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	05	-	-	-	-	-	-	-	-	-	-	-	125
Integrated Disease Management	07	-	-	-	-	-	-	-	-	-	-	-	175
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	12												300

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
VIII. Fisheries													
Integrated fish farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing													
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	2	-	-	-	-	-	-	-	-	-	-	-	50
TOTAL	6												150
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL													
XI Agro-forestry													
Production technologies	10												250

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
Nursery management	1												25
Integrated Farming Systems	1												25
TOTAL	12												300
XII. Others (Pl. Specify)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	55												1375

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	2												30
Planting material production	1												15
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	2												30
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	1												15
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	1	-	-	-	-	-	-	-	-	-	-	-	15
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-

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
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Others if any (ICT application in agriculture)	1												15
TOTAL	14												210

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	2	-	-	-	-	-	-	-	-	-	-	-	30
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	1												15
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-

Management in farm animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop intensification	-	-	-	-	-	-	-	-	-	-	-	-	-
Others if any	3												45
Others(soil and water conservation Practises)	1												15
TOTAL	8												120

4. Frontline demonstration to be conducted*

Crop: Tomato

Thrust Area : Off season vegetable cultivation, varietal replacement with HYV/hybrid varieties s of tomato, micronutrient

Thematic Area: Horticulture vegetable science

Season: Late 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	Tomato	1ha	Demonstration on wilt resistant hybrid tomato variety Arka Samrat	Wilt (%), Fruit wt. (gm), No. of fruit/Plant) yield, Net income (Rs) , B:C ratio												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Demonstration on wilt resistant	Cultivation of hybrid	1	F/FW	1	Off									25

hybrid tomato variety Arka Samrat	tomato													
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Crop: Demonstration on Integrated nutrient management in turmeric

Thrust Area HOS

Thematic Area: INM

Season: kharif

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
2	Turmeric var Roma	0.4 ha	Demonstration of Integrated Nutrient Management in turmeric Growing of turmeric with 75% STBF and 10q of vermi compost and Azotobacter 10kg/ha and PSB 10kg/ha.	Wt of rhizomes/plant No of secondary and tertiary rhizomes	Turmeric Fertilizers biofertilisers											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
Demonstration of Integrated Nutrient Management in turmeric	Integrated Nutrient Management in turmeric	1	F/FW	1	Off									25

Crop: Demonstration of Integrated Nutrient Management in kharif potato
Thrust Area HOV
Thematic Area: INM
Season: kharif
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
3	Potato	0.4ha	Demonstration of Integrated Nutrient Management in potato kharif 75% RDF + 25% RDN from FYM +Boron+	Wt of tubers/plant, no of tubers/p	Fertilisers, biofertilisers, Boron											

			Azotobactor+ PSB+ Potash mobilising bacteria	lant												
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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
Demonstration of Integrated Nutrient Management in potato kharif	Cultivation technique of kharif Potato	1	F/FW	1	Off									25

Crop: Onion

Thrust Area HOS

Thematic Area: INM

Season: kharif

Farming Situation: Rainfed upland

Sl. No .	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demon	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

				strated												
4	Onion	0.4ha	Demonstration of Onion var. Bhima shakti , shape is round attractive red colour ,suitable for rabi and late kharif tolerant to thrips pot yield of 42.7t/ha no of tubers/plant.duration 130days	Wt of bulbs /plant	Onion seedlings, plant protection chemicals											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
Demonstration of Onion var. Bhima shakti	Management of rabi Onion	1	F/FW	1	Off									25

Crop: Paddy

Thrust Area: Integrated Crop Management

Thematic Area: Crop Production

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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
4	Paddy	1 ha	Demonstration of BPH tolerant rice variety Hasanta in medium land situation	Plant height, EBT/m ² , Grains/panicle, no. of BPH/hill, 1000 seed weight						7		3		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
1	Management practice for control of BPH in rice	1	FM/FW	1 day	Off									25

Crop: Ragi

Thrust Area: Integrated Crop Management

Thematic Area: Crop Production

Season: Kharif 2020

Farming Situation: Rainfed upland

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
2	Ragi	3 ha	Demonstration of Finger millet variety –Arjuna in Rainfed upland situation	Plant height, tillers/plant, Yield, Economics				0	0	6	4	0	0	6	4	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
1	Improved cultivation practice of Finger millet	1	FM/FW	1 day	Off									25

Crop: Paddy

Thrust Area: Drudgery reduction.

Thematic Area: Crop production

Season: Rabi 2020

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
3	Paddy	1 ha	Demonstration of Transplanter in Paddy	Field capacity, field efficiency, No of EBT/m2, Grains/m2,Yield, Economics.				0	0	6	4	0	0	6	4	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
1	Use of transplanter in rice	1	FM/FW	1 day	Off									25

Crop: Green Gram

Thrust Area: Integrated nutrient management

Thematic Area: Crop Production

Season: Summer 2020

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
4	Green Gram	1 ha	Demonstration on Effective use of INM in green gram. Soil test based NPK plus FYM @ 5 t/ha plus paper mill sludge @ 800 kg/ha and seed inoculation with Rhizobium and treatment with ammonium molybdate @ 10 g /25 kg of seed in acid soil.	Plant height, Pods/plant, Seeds/pod, yield, Economics				0	0	6	4	0	0	6	4	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
1	INM in Green Gram	1	FM/FW	1 day	Off									25

Crop: Maize

Thrust Area: Pest management

Thematic Area: Plant protection

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	Maize	1 ha	Demonstration on Management of Fall Army Worm in maize Azadiractin 1500 ppm @5 ml/litre of water at 5% damage followed by spraying of Thiomethoxam 12.6% + Lambda Cyahalothrin 9.5% @0,25 ml/litre	% infestation												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
F/FW training	Management of fall army worm in maize	1		1 day										25

Crop: Brinjal

Thrust Area: Pest management

Thematic Area: Plant protection

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
	Brinjal	1 ha	Demonstration on Management of Fruit and shoot Borer in brinjal Removal of terminal shoot showing boreholes. Set pheromone trap @ 12/ha. Spray Enamectin benzoate@ 4g/10 lit.	% infestation												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
F/FW training	Demonstration on Management of fruit and shoot borer in brinjal	1		1 day										25

Crop: Groundnut

Thrust Area: Disease management

Thematic Area: Plant protection

Season: Summer, 2020-21

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
	Groundnut	1 ha	Demonstration on Management of collar rot in groundnut Seed treatment with Trichoderma viride @ 5g/kg seed, need based 2 nos spray of carbendazium + mancozeb @2gm/lit at 15 days interval	Percent disease incidence, Yield, B: C ratio												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
F/FW training	Demonstration on	1		1 day										25

	Management of Collar Rot in Ground nut													
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Crop: Oyster Mushroom
Thrust Area: Mushroom Cultivation
Thematic Area: Mushroom Cultivation
Season: Rabi, 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
	Oyster mushroom	100 beds	Demonstration on Blue Oyster mushroom cultivation	Yield, B: C ratio												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
F/FW training	Demonstration on Blue Oyster mushroom cultivation	1		1 day										25

Crop: Eucalyptus

Thrust Area: Agroforestry

Thematic Area: Agroforestry

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.	Eucalyptus	1	FLD on gall insect management in Eucalyptus Foliar spray of Imidacloprid 17.8 SL (0.25 ml/l)	Incidence of galls (%), Infestation (%), Intensity of infestation	Insecticide - Imidacloprid	-	-	-	-	-	-	-	-	-	-	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	Plantation and management of Eucalyptus	1	F/FW	2	On									25
Training	Insect pest and disease	1	F/FW	2	On									25

	management in trees													
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Crop: Bamboo

Thrust Area: Agroforestry

Thematic Area: Agroforestry

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.	Bamboo	1	FLD on Bambusa vulgaris for doubling farmers income in EGHL zone of Koraput Thorn less and thick walled bamboo i.e. Bambusa vulgaris	Survival percentage, No of Culms per clump, culm height & diameter and internode length	Bamboo rooted culm	-	-									10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		
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					On/Off	SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Bamboo for income generation	1	RY	4	On									15

Crop: Glaricidia

Thrust Area: Agroforestry

Thematic Area: Agroforestry

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.	Glaricidia	1	FLD on Glaricidia as green manuring in agricultural field bund Planting of Gliricidia sepium stem cutting on bunds at 50 cm spacing during the rainy season and leaf pruning was applied to field (Nutrient contains (%)) on air dry basis N: P2O5:	Biomass production, Yield of agricultural crop/ha, Soil Status	Glaricidia stump	-	-									10

			K2O: 2.76: 0.28: 4.60)													
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Extension and Training activities under FLD:

Activity	Title of Activity	No .	Client ele	Dura tion	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Importance and cultivation aspects of green manuring trees (Gliricidia) in Koraput district.	1	F/FW	1	Off									25	

Crop: Honey bee

Thrust Area: Agroforestry

Thematic Area: Enterprise

Season: Rabi, 2020

Farming Situation: Rainfed upland/ Homestead

Sl. No .	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1.	Honey Bee	1	FLD on management of Nosemosis diseases in	Per quarter honey production/bee box, wax	Chemicals	-	-										10
					Wax												

			Honey bee Selecting the apiary location (non-humid, not exposed to cold winds) and the correct orientation of the hives (prefer sunny and slightly ventilated areas), (removing honeycombs not populated by bees, providing good quality food if necessary and applying appropriate treatments against varroa. (Infected honey and pollen should absolutely not be used to feed other bees to avoid their infection)	comb formation rate, Disease infestation %, No of bee colony separation/year												
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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	Scientific Bee keeping	1	RY	4	On									15

Crop: Fish

Thrust Area: Culture of different type of fish species

Thematic Area: Fishery

Season: Kharif, Rabi

Farming Situation: Pond based culture

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	1ha	Demonstration on 6 species composite carp culture Stocking density :- 10,000 Nos./ha Stocking ratio :- Surface : Column : Bottom feeder :: 4 : 3 : 3 Species composition :- Surface feeder (40%)—Catla (Zoopkt. Feeder)— 10-20%, Silver carp (Phytopkt. feeder)- 20-30% Column feeder (30%)— Rohu	Initial ABW, Final ABW, Growth rate, Yield, B:C ratio												

			(Phytopkt. feeder)- 15-20%, Grass carp (Macro-vegetation feeder)- 10-15% Bottom feeder (30%)- Mrigal (Plant origin feeder)- 10-20%, Common carp (Animal origin feeder)- 10-20%													
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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
Fishery	6 species composite carp culture	1	F/FW	1	Off									25

Crop: Backyard poultry

Thrust Area: High growth rate of poultry variety

Thematic Area: Animal husbandry

Season: Round the year

Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Poultry	10 no.	Demonstration rearing of Banaraja Poultry birds in backyard Rearing of 3 week old Banaraja chicks with routine vaccination and deworming resulting quicker body weight gain and more eggs than deshi bird.	Initial growth rate, final growth rate, mortality rate	3 week old Banaraja	-	-	-	-	-	-	-	-	-	-	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	Rearing of Banaraja in	1	F/FW	1	Off									25

	backward													
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5. 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.)
Ragi	Arjuna(BS)	1 st wk June.2020 to 1 st wk oct.2020	0.35ha	FS	3qtl	6000	12500	6500
Niger	Utkal Niger 150(BS)	2 nd wk Aug 2020 to 2 nd wk dec 2020	0.2ha	FS	0.8	2200	5600	3400
Bambo Seedling	Bamboo (B. vulgaris)	June to January	0.05 ha	Seedling	1000 Nos	3000	6000	3000
Turmeric	Roma	June to March	0.1 ha	Certified seed	9 qtl	15000	22500	7500
Turmeric	Roma (BS)	June to March	0.05 ha	Certified seed	4 qtl	7000	12500	5500
Onion	Bhima Shakti	December to February	0.05 ha	Seedling	30000 No	1500	2500	1000
Tomato	ArkaRakhya k	December to February	0.05 ha	Seedling	9500 No	16000	32000	16000
Mushroom	Oyster	December to February	200 No bed	Mushroom	2quintal	10000	16000	6000
Poultry	Banaraja	April to March	20 No	Meat	20 No	1500	4000	2500
Turmeric powder	Roma	April to March	0.1 ha	Powder	40 kg	2000	7000	5000
Vermicompost and worm	E euginea	April to March	5 units	vermicompost	20 qtl and 10 kg	2000	7000	5000

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.)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

6. 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	18										
2.	KisanMela	2										
3.	KisanGhoshi	2										
4.	Exhibition	5										
5.	Film Show	45										
6.	Method Demonstrations	18										
7.	Farmers Seminar	1										
8.	Workshop	0										
9.	Group meetings	75										
10.	Lectures delivered as resource persons	20										

11.	Advisory Services	105										
12.	Scientific visit to farmers field	120										
13.	Farmers visit to KVK	9000										
14.	Diagnostic visits	22										
15.	Exposure visits	3										
16.	Ex-trainees Sammelan	1										
17.	Soil health Camp	2										
18.	Animal Health Camp	1										
19.	Agri mobile clinic	0										
20.	Soil test campaigns	2										
21.	Farm Science Club Conveners meet	1										
22.	Self Help Group Conveners meetings	2										
23.	Mahila Mandals Conveners meetings	1										
24.	Celebration of important days (specify)	10										
25.	Sankalp Se Siddhi	1										
26.	Swatchta Hi Sewa	15										
27.	Mahila Kisan Diwas	1										
28.	Any Other (Specify)	0										
	Total	9,473										

7. Revolving Fund (in Rs.)

Opening balance of 2020-2021 (As on 01.04.2020)	Amount proposed to be invested during 2020-2021	Expected Return
0	1,50,000/-	2,50,000/-

8. 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*

- i. Season: Rabi, 2020
- ii. Title of the OFT: Assessment of Arka Microbial Consortium (Microbial Plant Growth promoters) and Seed pro in Cauliflower for increasing yield
- iii. Thematic Area: Integrated Nutrient Management (Horticulture Vegetable)
- iv. Problem diagnosed: Low yield in cauliflower due to small curd size and weight
- v. Important Cause: Improper nutrient management in cauliflower
- vi. Production system: Vegetable production system
- vii. Micro farming system: Irrigated Upland
- viii. Technology for Testing: Integrated Nutrient Management in Cauliflower
- ix. Existing Practice: No growth promoter
- x. Hypothesis: use of Arka Microbial Consortium and Seed pro improves yields
- xi. Objective(s): Integrated Nutrient Management
- xii. Treatments:

Farmers Practice (FP): No growth promoter used

Technology option-I (TO-I): Arka Microbial Consortium-A carrier based microbial product containing N fixing, P and Zn solubilising and plant growth promoting microbes. For the main field application of one acre of land, five kg of amc can be mixed with 500kg of FYM and applied near the root zone of standing crop.

Technology option-II (TO-II): Seed Pro- plant growth-promoting seed coating formulation based on combinations of *Bacillus subtilis* and *Hypocrea lixi*. For the main field application of one acre of land, Five kg of seed pro can be mixed with 500kg of FYM and applied near the root of stand crop.
- xiii. Critical Inputs: Cauliflower seedling, Arka Microbial Consortium, Seed pro
- xiv. Unit Size: 600m²
- xv. No of Replications: 13
- xvi. Unit Cost: 1500/-
- xvii. Total Cost: 19500/-
- xviii. Monitoring Indicator: Plant ht, No. of leaves/plant, Diameter of cured, wt. of cured, yield , net income, B:C ratio
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): ICAR-IIHR Bangalore

On-farm trials to be conducted*

- i. **Season:** Kharif 2020
- ii. **Title of the OFT:** Assessment on High yielding Dolichos bean varieties
- iii. **Thematic Area:** Horticulture
- iv. **Problem diagnosed:** Low yield due to lack of suitable varieties
- v. **Important Cause:** Local varieties
- vi. **Production system:** vegetable production system
- vii. **Micro farming system:** Irrigated medium land
- viii. **Technology for Testing:** High yielding Dolichos bean
- ix. **Existing Practice:** Local varieties
- x. **Hypothesis:** Use of high yielding varieties improve seeds
- xi. **Objective(s):** to improve the productivity of Dolichos bean
- xii. **Treatments:**
 - Farmers Practice (FP): Local varieties
 - Technology option-I (TO-I): Doilichos var. Arka Amogh (plants are medium tall and photosensitive. Pods are wavy, green medium long and ready for harvest)
 - Technology option-II (TO-II): Doilichos var. BDB-2 (Pole type, fruiting period 90-105 days, tolerant to pod borer, less susceptible to leaf spot and wilting, yield-100.7 q/ha)
- xiii. **Critical Inputs:** seeds, pp chemical
- xiv. **Unit Size:** 600m²
- xv. **No of Replications:** 13
- xvi. **Unit Cost:** 1000/-
- xvii. **Total Cost:** 13000/-
- xviii. **Monitoring Indicator:** No. of pods /plant, Pod wt(gm), pod Size (Cm), Yield, Net income, B:C ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-IIHR Bangalore

On-farm trials to be conducted*

- i. **Season:** Kharif 2020
- ii. **Title of the OFT:** Assessment of nutrient management of Niger in Rain fed upland situation
- iii. **Thematic Area:** Crop Production
- iv. **Problem diagnosed:** Low yield due to improper nutrient management
- v. **Important Cause:** Lack of knowledge about Soil test based fertilizer recommendation.
- vi. **Production system:** Niger -Fallow
- vii. **Micro farming system:** Rainfed upland, Niger-Fallow
- viii. **Technology for Testing:** Assessment of Nutrient management of Niger in Rainfed upland situation
- ix. **Existing Practice:** Blanket fertilizer application (15-10-0 kg/ha)
- x. **Hypothesis:** Soil test based fertilizer Recommendation will increase the yield
- xi. **Objective(s):** To Increase the yield by soil test based fertilizer recommendation
- xii. **Treatments:**
 - Farmers Practice (FP): Imbalance application of N-P205-K20/ha (15-10-0 kg/ha)
 - Technology option-I (TO-I): 100% RDF (40-20-20 kg N-P205-K20/ha)
 - Technology option-II (TO-II): 50% RDF (20-20-10 kg N-P205-K20/ha)
 - Technology option-III (TO-III): Soil test based fertiliser Recommendation

- xiii. **Critical Inputs: fertilizer**
- xiv. **Unit Size: 600m²**
- xv. **No of Replications:13**
- xvi. **Unit Cost: 1000**
- xvii. **Total Cost: 13000**
- xviii. **Monitoring Indicator: Plant height, No of capitula /plant,1000grain weight, yield ,economics ,B:C ratio**
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT Annual report 2011-12, pp-19**

On-farm trials to be conducted*

- i. **Season: Rabi 2020**
- ii. **Title of the OFT: Assessment of Nutrient management in Sugarcane crop**
- iii. **Thematic Area: Crop Production**
- iv. **Problem diagnosed: Low yield due to improper nutrient management**
- v. **Important Cause: Lack of knowledge about soil test based fertilizer application**
- vi. **Production system: Sugar cane production system**
- vii. **Micro farming system: Irrigated medium land**
- viii. **Technology for Testing: Assessment of Nutrient management of Sugarcane crop**
- ix. **Existing Practice: Imbalance fertiliser application**
- x. **Hypothesis: Soil test based fertilizer application will increase the yield**
- xi. **Objective(s):to improve the productivity of Sugarcane**
- xii. **Treatments:**
Farmers Practice (FP): Imbalance fertilizer application
Technology option-I (TO-I): 100% recommended dose of fertilizer (250-100-60 kg NPK / ha).
Technology option-II (TO-II): Soil test based fertilizer application
- xiii. **Critical Inputs: seeds, pp chemical**
- xiv. **Unit Size:600m²**
- xv. **No of Replications: 13**
- xvi. **Unit Cost: 1000/-**
- xvii. **Total Cost: 13000/-**
- xviii. **Monitoring Indicator: Cane length, Cane girth(cm),cane weight(kg) Yield, Net income, B:C ratio**
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT, AICRP on Sugar cane**

On-farm trials to be conducted*

- i) **Season: Rabi 2020**
- ii) **Title of the OFT: Assessment on management of damping off of onion in nursery**
- iii) **Thematic Area: Plant Protection**
- iv) **Problem diagnosed: Reduction in seedling population in nursey due to damping off disease**
- v) **Important Cause: Lack of knowledge on disease management**
- vi) **Production system: Onion nursey**
- vii) **Micro farming system: Nusery**
- viii) **Technology for Testing: Assessment on management of damping off of onion in nursery**
- ix) **Existing Practice: Spraying mancozeb@2g/l**

x) **Hypothesis:** Use of proper management practice may manage the disease

xi) **Objective(s):** To produce quality planting material for onion cultivation

xii) **Treatments:**

FP: Spraying mancozeb@2g/l

TO1: Soil application with *Trichoderma viride* @ 2.5 kg/10kg FYM, Seed treatment with carbedazim+ Thiram @ 2g/kg seed. Soil drenching with COC@3 g/lit water

TO2: Soil application of *Trichoderma viride* @ 2.5 kg/10kg FYM. Seed treatment with metalaxyl + mancozeb@ 2 g/kg seed. Soil drenching with metalaxyl+ mancozeb@ 2g/lit water

xiii) **Critical Inputs:** seeds, pp chemical

xiv) **Unit Size:**100m²

xv) **No of Replications:** 7

xvi) **Unit Cost:**

xvii) **Total Cost:**

xviii) **Monitoring Indicator:** Percent disease incidence, Yield, Net income, B:C ratio

ix) **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT, AICRP on vegetables

On-farm trials to be conducted*

i. **Season:** Kharif, 2020

ii. **Title of the OFT:** Assessment on management of Bacterial rot in Potato

iii. **Thematic Area:** Plant Protection

iv. **Problem diagnosed:** Reduction in potato yield due to incidence of bacterial rot

v. **Important Cause:** Lack of knowledge on disease management

vi. **Production system:** Potato crop

vii. **Micro farming system:** Rainfed upland

viii. **Technology for Testing:** Assessment on management of Bacterial rot in Potato

ix. **Existing Practice:** Spraying mancozeb@2g/l

x. **Hypothesis:** Use of proper management practice may manage the disease

xi. **Objective(s):** To increase potato yield by reducing the yield loss due to bacterial rot

xii. **Treatments:**

FP: Spraying mancozeb@2g/l

TO1: Seed treated with *Pseudomonas fluorescens* @ 5g/kg seed, Soil drenching with bleaching powder@ 25kg per ha

TO2: Planting potato tuber pre-treated with Streptocycline (0.015%) along with soil drenching with same antibiotic (0.015%)+ COC @ 3g/lit

xiii. **Critical Inputs:** pp chemical

xiv. **Unit Size:** 600 m²

xv. **No of Replications:** 7

xvi. **Unit Cost:**

xvii. **Total Cost:**

xviii. **Monitoring Indicator:** Percent disease incidence, Yield, Net income, B:C ratio

Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT, AICRP on vegetables

On-farm trials to be conducted*

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT:** Assessment on performance of Eucalyptus clones
- iii. **Thematic Area:** Agroforestry
- iv. **Problem diagnosed:** Poor and delayed growth due to growing of local seedling
- v. **Important Cause:** lack of knowledge of seedling and use local seedling
- vi. **Production system:** Rainfed Upland
- vii. **Micro farming system:** Kharif, Rainfed upland
- viii. **Technology for Testing:** Assessment
- ix. **Existing Practice:** Local Seedling of Plantation
- x. **Hypothesis:** Clones gives higher yield as compare to local seedling
- xi. **Objective(s):** To get higher yield by planning suitable clone
- xii. **Treatments:**
 - Farmers Practice (FP): Local Eucalyptus Seeding
 - Technology option-I (TO-I): IFGTB-6 (survival of plant is 90%, adapted to low-to intermediate rainfall environments with a dry season of up to 8 months. Fast growing clones always had bigger crown diameter, higher height of fresh branch, straighter stems and relatively smaller branches. Resistant to pests and diseases)
 - Technology option-II (TO-II): FRI- 100 (Clone can withstand some water stress. Silvicultural properties including straightness, narrow crown, self-pruning, high growth rates, adaptability to a wide range of soils and climates, coppicing ability, a tendency not to spread as a weed and wide utility of wood).
- xiii. **Critical Inputs:** Clone of Eucalyptus
- xiv. **Unit Size:**
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 1500
- xvii. **Total Cost:** 10500
- xviii. **Monitoring Indicator:** Plant Height (M), Diameter (cm), Volume, Yield
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IFGTB, Coimbatore 2011 and FRI, Dehradun, 2017

On-farm trials to be conducted*

- i. **Season:** Kharif, 2020
- ii. **Title of the OFT:** Assessment on medicinal crops in teak based agroforestry system.
- iii. **Thematic Area:** Agroforestry
- iv. **Problem diagnosed:** Low Income from Sole teak plantation
- v. **Important Cause:** Improper utilization of space
- vi. **Production system:** Rainfed Upland
- vii. **Micro farming system:** Kharif, Rainfed upland, Intercrop
- viii. **Technology for Testing:** Assesment
- ix. **Existing Practice:** Sole teak plantation
- x. **Hypothesis:** Intercrops increases the yield as well as utilize the proper space of plantation area
- xi. **Objective(s):** To increase the yield and doubling the Farmers income
- xii. **Treatments:**

Farmers Practice (FP): Sole teak Plantation (8 x 2 m)

Technology option-I (TO-I): Teak (8 x 2 m) in E-W direction + Aloe Vera (60 x 45 cm)

Technology option-II (TO-II): Teak (8 x 2 m) in E-W direction + Ashwagandha (30 x 10 cm)

- xiii. **Critical Inputs:** Aloe suckers and Aswagandha seedling
- xiv. **Unit Size:** 600 m²
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 1200
- xvii. **Total Cost:** 8400
- xviii. **Monitoring Indicator:** Plant Height(cm), Number of Branches/plant, Herbage Yield, Dry matter production (g/m²)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Agroforestry, OUAT, 2011

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.)
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

11. No. of success stories proposed to be developed with their tentative titles : 4

- a) Paddy variety Hasanta is a boon to farmers in BPH affected area.
- b) Oyster mushroom cultivation promoting the livelihood of unemployed rural youth.
- c) Tomato hybrid Arka samrat for good remuneration from uplands.
- d) Kharif potato cultivation for good remuneration from uplands

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2020-2021
14.11.2019	10.11.2020

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	100	-	-	-	-	-	-	-	-	-	5	500
Water Samples	0	-	-	-	-	-	-	-	-	-	0	0
Other (Please specify)	0	-	-	-	-	-	-	-	-	-	0	0
Total	100	-	-	-	-	-	-	-	-	-	5	500

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
Office expenses	4,38,607	5,00,000
Training	3,27,986	4,00,000
OFT	36,663	1,65,000
FLD	1,24,800	2,00,000
SCSP	3,58,295	3,00,000
TA	1,25,270	1,50,000
PKVY	1,65,110	2,00,000
ASCI	2,67,231	2,80,000
CFLD Oilseed	63,120	1,00,000
CFLD Pulses	73,530	1,00,000
Kisan Mela	0	3,00,000
Non-recurring	0	5,00,000
Total	15,85,612	31,95,000

* 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