ACTION PLAN

2020-21

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

KRISHI VIGYAN KENDRA

NAYAGARH

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

At: Panipoila, P.O.:Balugaon, Dist.: Nayagarh, PIN :752070, Odisha.

ACTION PLAN 2020-21

1. Name of the KVK:

Address	Telephone		E mail
Krishi Vigyan Kendra At-Panipoila Po-Balugaon Dist Nayagarh Pin-752070		-	kvknayagarh.ouat@gmail.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar	0674-2397818/2397868/2397669		

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
IPM	BPH Management in Rice	1	1	Off	July 20	3	0	1	0	21	0	25	0	25
IDM	Sheath blight Management in Rice	1	1	Off	Aug 20	4	0	1	0	20	0	25	0	25
IPM	Pod Borer management in Pigeonpea	1	1	Off	Sept 20	3	0	2	0	20	0	25	0	25
IPM	YMV management in Greengram	2	1	Off	Oct 20	5	2	2	2	35	4	42	8	50
IDM	Leaf curl management in Chilli	1	1	Off	Nov 20	0	0	0	0	20	5	20	5	25
IPM	DBM in Cabbage	1	1	Off	Nov 20	1	0	0	0	20	4	21	4	25
Soil fertility management	Green manuring in Rice	1	1	Off	June 20	5	1	1	1	14	3	20	5	25
Micro nutrient deficiency in crops	Role of Micronutrient in Rice production	1	1	Off	July 20	2	0	3	0	20	0	25	0	25
Production and use of organic inputs	Role of Bio-fertilizer in Tomato cultivation	1	1	Off	Aug 20	2	0	3	0	20	0	25	0	25

Integrated Nutrient Management	Integrated Nutrient Management for Sugarcane Production	1	1	Off	Sept 20	2	0	3	0	20	0	25	0	25
Integrated Nutrient Management	Integrated Nutrient Management in Cole Crops	1	1	Off	Oct 20	2	2	0	0	18	3	20	5	25
Soil fertility management	Use of nano zinc in Maize Production	1	1	Off	Nov 20	4	1	3	3	12	2	19	6	25
Production and use of organic inputs	Fertilizer management in baby corn cultivation	1	1	Off	Nov 20	2	2	0	0	18	3	20	5	25
Production and use of organic inputs	Use of VAM in Greengram & Blackgram	1	1	Off	Dec 20	2	2	0	0	18	3	20	5	25
Integrated Nutrient Management	Integrated Nutrient Management in Brinjal	1	1	Off	Jan 2021	2	2	0	0	18	3	20	5	25
Farm Mechanization	Use of Ridger for sugarcane cultivation	1	1	Off	June 20	3	0	4	0	18	0	25	0	25
Value Addition	Preparation of suagarcane Jaggery	1	1	Off	Nov 20	1	0	5	7	9	3	15	10	25
Farm Mechanization	Staking method in tomato cultivation	1	1	Off	Aug 20	5	1	1	3	14	1	20	5	25
Value Addition	Value addition from Mahua	1	1	Off	Dec 20	2	0	3	0	20	0	25	0	25
Farm Mechanization	Mechanized threshing for pulses	1	1	Off	Jan 21	0	2	0	3	0	20	0	25	25
Nursery Management	Seedling production in Low cost poly tunnel	1	1	Off	Aug 20	2	2	5	5	8	3	15	10	25
Farm Mechanization	Repair & maintenance of Farm Implements	1	1	Off	Oct 20	5	1	1	3	14	1	20	5	25
Farm Mechanization	Operation & Maintenance of rice harvesting implements	1	1	Off	Sep 20	0	2	0	3	0	20	0	25	25
Nutrition management	Crop planning for nutritional garden	1	1	Off	July 20		2		3		20		25	25

Nursery raising	Methods of vegetable seedling production	1	1	Off	July 20		3		-		22		25	25
Income generation	Paddy straw mushroom production	1	1	Off	Aug 20	3	2	1	1	5	13	9	16	25
Income generation	Packagings in Mushroom	1	1	Off	Sept 20	2	2	-	-	12	9	14	11	25
Bee keeping	Apiary for SHGs	1	1	Off	Dec 20	-	1	-	1	-	23	-	25	25
Income Generation	Environment Management in Mushroom cultivation	1	1	Off	Aug 20	-	2	-	2	-	21		25	25
Income Generation	Marigold cultivation for SHGs	1	1	Off	Oct 20	-	3	-	2	-	20	-	25	25
Nutritional security	Nutrient loss management during processing	1	1	Off	Jan 2021	-	5	-	1	-	19	-	25	25
Composite fish culture	Fish production with different carp	1	1	Off	July 20	2	1	3	0	14	5	19	6	25
Integrated fish farming	Integrated fish farming	1	1	Off	Sept 20	1	0	4	2	14	4	19	6	25
Feed and feeding management	Feeding management in fishes	1	1	Off	Nov 20	2	1	3	0	14	5	19	6	25
Fish health management	Fish diseases and its management	1	1	Off	Dec 20	1	0	4	2	14	4	19	6	25
ICT	Uses of ICT in Agriculture	1	1	On	July 20	2	0	1	0	22	0	25	0	25
Entrepreneurship development	Alternate livelihood option for resource poor farm family	1	1	On	Aug 20	4	0	4	0	14	3	22	3	25
Group dynamics	Cooperative and Contract Farming	1	1	On	Sept 20	2	0	1	0	22	0	25	0	25
ICT	ICT in Agriculture	1	1	Off	Oct 20	0	0	0	0	25	0	25	0	25
Marketing approach	Market Led extension	1	1	Off	Oct 20	3	0	1	0	21	0	25	0	25
Group dynamics	Cooperative and Contract Farming	1	1	Off	Nov 20	2	0	2	0	21	0	25	0	25
Group dynamics	Leadership development for IPM	1	1	Off	Nov 20	2	1	3	0	14	5	19	6	25

Nursery management	Forest nursery management	1	1	Off	July 20	2	1	3	0	14	5	19	6	25
Nursery management	Bamboo propagation	1	1	Off	Aug 20	1	0	4	2	14	4	19	6	25
Production technologies	Cultivation of lemon grass	1	1	Off	Sept 20	2	1	3	0	14	5	19	6	25
Production technologies	Medicinal plants production & management	1	1	Off	Dec 20	1	0	4	2	14	4	19	6	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
IPM	Safe Uses of Pesticide	1	2	On	Dec 20	3	0	2	0	15	0	20	0	20
Production of organic inputs	Vermicompost Production	1	2	On	Oct 20	4	2	2	0	8	4	14	6	20
Production of organic inputs	Preparation of different organic compost	1	2	On	Nov 20	5	2	3	2	5	3	13	7	20
Farm mechanization	Safety measures in use of farm implements	1	2	On	Sep 20	10	1	3	1	5	0	18	2	20
Enterpreunership Development	Agro Service Centre as Enterpreneurship	1	2	On	Oct 20	1	1	2	2	12	3	15	5	20
Farm mechanization	Entrepreneurship development through farm mechanization	1	4	On	Nov'20	1	1	1	1	15	1	17	3	20
Bee Keeping	Apiary	1	2	On	Nov 20	2	1	1	1	8	7	11	9	20
Storage loss minimization techniques	Storage loss Pest Management techniques by using Pro supper bag.	1	2	On	Dec 20	1	2	-	-	7	10	8	12	20
Carp fry and fingerling rearing	Fish seed production	1	2	On	Aug 20	2	0	1	0	17	0	20	0	20
Capacity building	EDP training Agri-Horti	1	4	On	Jan 21	3	0	2	0	15	0	20	0	20
Planting material production	Cultivation of bamboo through culm cutting method	1	2	On	Aug 20	2	0	1	0	17	0	20	0	20

© 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
Production and use of organic inputs	Importance of liquid biofertilizer	1	2	On	Sep 20	2	0	1	0	17	0	20	0	20
Integrated Nutrient Management	Nutrient management in Rice	1	2	On	Oct 20	3	0	3	0	14	0	20	0	20
Farm Mechanization	Use and Maintenance of Tractor	1	2	Off	Nov 20	7	0	3	0	10	0	20	0	20
Nutrition Management	Household food security by nutritional gardening	1	2	Off	Nov 20	0	2	0	1	0	17	0	20	20
Production and Management	Sustainable aquaculture	1	2	On	Jan 21	2	1	1	1	12	3	15	5	20
ICT	Management of Information System	1	2	Off	Feb 21	2	1	1	0	14	2	17	3	20

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development	3	45	15	60	0	0	0	0	15	0	45	30	75
Skill development													
Yield increment	1	20	5	25	0	0	0	0	0	0	20	5	25
Prod. of low vol & high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													

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
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
TOTAL	4	65	20	85	0	0	0	0	15	0	65	35	100
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													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Orn Plants													
TOTAL													
d) Plantation crops													
Production and Manag. technology													
Processing and value addition													
TOTAL													
e) Tuber crops													
Production and Manag. technology													
Processing and value addition													
TOTAL													
f) Spices													
Production and Manag technology													
Processing and value addition													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest techno & value addition													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	2	26	5	31	9	2	11	4	4	8	39	11	50
Soil and Water Conservation													
Integrated Nutrient Management	3	56	6	62	6	4	10	3	0	3	65	10	75
Production and use of organic inputs	3	56	6	62	6	4	10	3	0	3	65	10	75
Management of Problematic soils													
Micro nutrient deficiency in crops	1	20	0	20	2	0	2	3	0	3	25	0	25
Nutrient Use Efficiency													
Soil and Water Testing													
TOTAL	**9**	**158**	**1**	**175**	**23**	**10**	**33**	**13**	**4**	**17**	**194**	**31**	**225**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	4	17	63	80	5	9	14	1	5	6	23	77	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Bee keeping	1	0	23	23	0	1	1	0	1	1	0	25	25
Nutrition management	1	0	20	20	0	2	2	0	3	3	0	25	25
Nursery raising	1	0	22	22	0	3	3	0	0	0	0	25	25
Nutritional security	1	0	19	19	0	5	5	0	1	1	0	25	25
TOTAL	8	17	147	164	5	20	25	1	10	11	23	177	200
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	2	30	10	40	2	2	4	3	3	6	35	15	50
Small scale processing and value addition													
Post Harvest Technology													
TOTAL	2	30	10	40	2	2	4	3	3	6	35	15	50
VII. Plant Protection													
Integrated Pest Management	5	96	8	104	12	2	14	5	2	7	113	12	125
Integrated Disease Management	2	40	5	45	4	0	4	1	0	1	45	5	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
TOTAL	7	136	13	149	16	2	18	6	2	8	158	17	175
VIII. Fisheries													

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
Integrated fish farming	1	14	4	18	1	0	1	4	2	6	19	6	25
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease	1	14	5	19	2	1	3	3	0	3	19	6	25
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	14	5	19	2	1	3	3	0	3	19	6	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													
Fish health management	1	14	4	18	1	0	1	4	2	6	19	6	25
TOTAL	4	56	18	74	6	2	8	14	4	18	76	24	100
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													
Small tools and implements													
Production of livestock feed fodder													
Production of Fish feed													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	3	57	5	62	6	1	7	6	0	6	69	6	75
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1	14	3	17	4	0	4	4	0	4	22	3	25
WTO and IPR issues													
ICT	2	47	0	47	2	0	2	1	0	1	50	0	50
Marketing Approach	1	21	0	21	3	0	3	1	0	1	25	0	25
TOTAL	7	139	8	147	15	1	16	12	0	12	166	9	175
XI Agro-forestry													
Production technologies	2	28	9	37	3	1	4	7	2	9	38	12	50
Nursery management	2	28	9	37	3	1	4	7	2	9	38	12	50
Integrated Farming Systems													
TOTAL	4	56	18	74	6	2	8	14	4	18	76	24	100
TOTAL	**45**	**657**	**251**	**908**	**73**	**39**	**112**	**63**	**42**	**105**	**793**	**332**	**1125**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	1	8	7	15	2	1	3	1	1	2	11	9	20
Integrated farming													
Seed production													
Production of organic inputs	2	13	7	20	9	4	13	5	2	7	27	13	40
Planting material production	1	17	0	17	2	0	2	1	0	1	20	0	20
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Com. fruit production													
Repair and maintenance of farm machinery & implements													
Nursery Management of Horticulture crops													
Training & pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
F water prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry & fingerling rearing	1	17	0	17	2	0	2	1	0	1	20	0	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1	12	3	15	1	1	2	2	2	4	15	5	20
Farm mechanization	2	20	1	21	11	2	13	4	2	6	35	5	40
Integrated Pest Management	1	15	0	15	3	0	3	2	0	2	20	0	20
Storage loss minimization techniques	1	7	10	17	1	2	3	0	0	0	8	12	20
TOTAL	**10**	**109**	**28**	**137**	**31**	**10**	**41**	**16**	**7**	**23**	**156**	**44**	**200**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	2	31	0	31	5	0	5	4	0	4	40	0	40
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	14	2	16	2	1	3	1	0	1	17	3	20
Care and maintenance of farm machinery and implements	1	10	0	10	7	0	7	3	0	3	20	0	20
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	1	0	17	17	0	2	2	0	1	1	0	20	20
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Fish Production and Management	1	12	3	15	2	1	3	1	1	2	15	5	20
TOTAL	**6**	**67**	**22**	**89**	**16**	**4**	**20**	**9**	**2**	**11**	**92**	**28**	**120**

4. Frontline demonstration to be conducted*

(i)

Crop	Rice
Thrust Area	Varietal Evaluation
Thematic Area	Integrated Crop Management
Season	Kharif 2020
Farming Situation	Rainfed shallow Low Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice var. Hasanta (OR-2328-5)	1 ha	**Demonstration of BPH tolerant rice variety "Hasanta"** (Transplanting rice variety Hasanta, wider spacing, split application of N fertiliser, alternate wetting & drying, making alleys of 30 cm in every 3mt of rice)	BPH count/m2, effective panicles/m2, no of hoppers/plant				2	0	1	0	7	0	10	0	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	Training on use of cultural and mechanical practices for BPH Management in rice	1	F/FW	1	Off	3	0	1	0	21	0	25	0	25
Field Day	Field day on BPH tolerant rice variety Hasanta	1	F/FW	25	Off	3	0	1	0	21	0	25	0	25

(ii)

Crop	Green gram
Thrust Area	Integrated Disease Management
Thematic Area	Integrated Disease Management
Season	Rabi 2020-21
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	Green gram	4 ha	**Demonstration on Root rot management in green gram** **(**Soil Treatment with ***T.viridae*** @ 5kg/ha with 60kg FYM, Seed treatment with **Vitavax Power** @ 2g/kg seed, rogueing of the infected plants, soil drenching with vitavax power@ 2g/lt at the spot and application of (**Cyamoxil + Mncozeb) fungicide)**	Seed rot/m2, blighted seedlings/m2, yield and economics				2	0	2	0	6	0	10	0	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	Training on use of seed treatment for seedling blight & YMV management in greengram	1	F/FW	1	Off	3	0	2	0	20	0	25	0	25
Field Day	Field day on IDM for seed and seedling blight in green gram	1	F/FW	25	Off	3	0	2	0	20	0	25	0	25

(iii)

Crop	Pigeon pea
Thrust Area	Suitable upland for pulse crops
Thematic Area	Integrated Pest Management (IPM)
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	Pigeonpea	4 ha	**Demonstration on IPM of pod borer in pigeon pea** (Spraying of **Azadiractin** 0.15% @ 1.5 l/ha at 50% at flowering stage followed by **Flubendiamide** 48SC @ 200ml/ha (2ml/5 litre water) and Bt @ 1kg/ha (2g/litre) at 15 days intervals)	Pest monitoring, no of infested fruits/plant				1	0	0	0	9	0	10	0	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
Field Day	Field day on IPM for pod borer management in Pigeon pea	1	F/FW	25	Off	5	0	5	0	15	0	25	0	25
Training	Pod Borer management in Pigeonpea	1	F/FW	25	Off	3	0	2	0	20	0	25	0	25

(iv)

Crop	Baby con
Thrust Area	Varietal evaluation
Thematic Area	Varietal evaluation
Season	Rabi 2020-21
Farming Situation	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	Baby corn	1ha	**Demonstration on Baby Corn** (Hybrid Baby corn variety in medium land situation)	No of cob/plant, Cob diameter(cm) Yield, BC Ratio				1	0	0	0	9	0	10	0	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
Field Day	Field day on Baby corn	1	F/FW	25	Off	3	0	2	0	20	0	25	0	25
Training	Fertilizer management in baby corn cultivation	1	F/FW	25	Off	2	2	0	0	18	3	20	5	25

(v)

Crop	Rice
Thrust Area	Severe weed infestation results in low yield
Thematic Area	Integrated Weed Management
Season	Kharif-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
1	Rice	1 ha	**Demonstration of weed management in transplanted rice** Pre-emergence of Pendimethaline @750 gm/ ha at 0-3 DAT followed by post emergence Application of Bispyribac Sodium @ 25gm/ha at 25 DAT	Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight												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	Weed management in transplanted rice	1	F/FW	1	Off	2	0	3	0	20	0	25	0	25
Field Day	Field Day on Weed management in transplanted rice	1	F/FW	1	Off	2	0	3	0	20	0	25	0	25

(vi)

Crop	Sugarcane
Thrust Area	Low yield from local variety
Thematic Area	Varietal Intervention
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
1	Sugarcane	1ha	**Demonstration on Sugarcane var: Charchika** Var: Charchika (Year-2017, SRS, OUAT)	Yield, Disease incidence, Sucrose %				1	0	1	0	8	0	10	0	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	Training on sugarcane Cultivation	1	F/FW	1	Off	2	2	0	0	18	3	20	5	25
Field Day	Field day on Sugarcane var: Charchika	1	F/FW	1	Off	2	2	0	0	18	3	20	5	25

(vii)

Crop	Black gram
Thrust Area	Production & Management (Rice-vegetable Based)
Thematic Area	INM
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
1	Black gram.	10ha	**Demonstration on Biofertiliser Management in Blackgram** Application of Biofertiliser consortia for blackgram, RDF and foliar application of 1% DAP+1% MOP at 20 and 40 DAS of Blackgram .	No of Pods /Plant Yield, B:C				2	0	2	0	6	0	10	0	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	Use of VAM in Greengram & Blackgram	1	F/FW	1	Off	2	2	0	0	18	3	20	5	25
Field Day	Field Day on Nutrient management in Blackgram	1	F/FW	25	Off	2	2	0	0	18	3	20	5	25

(viii)

Crop	Vegetable
Thrust Area	Poor availability of vegetable round the year leading to Malnourishment
Thematic Area	Nutritional security
Season	Kharif, 2020
Farming Situation	Rainfed Low 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	Nutritional Garden	10	**Demonstration of nutritional garden (Round the year) for Improving Nutritional Security of farm family** (Nutritional garden (1000sq mt) with trailis structure, compost unit, 19or tray 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	-	-	-	-	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
Training	Designing of nutritional garden	1	F/FW	1	Off	-	2	-	3	-	20	-	25	25
Field Day	Demonstration field of Nutrition Garden.	1	F/FW	1	Off	-	6	-	2	-	22	-	30	30
Exposure Visit	Visit to Progressive farmers Field (Intra district)	1	F/FW	1	Off	-	7	-	4	-	9	-	20	20

(ix)

Crop	Mushroom
Thrust Area	Low family income. Under utilization of threshed paddy straw
Thematic Area	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
1	Mushroom	10	**Demonstration on mushroom production using Crumbled straw.** Straw-5kg, pulse powder 3%, soaking period-5hrs**)**	Days to first flush, Size of fruiting body,	Paddy Straw & pulse Powder	-	-		2	0	1	-	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
Training	Cultivation technique of paddy straw mushroom using threshed straw.	1	F/FW	1	Off	3	2	1	1	5	13	9	16	25
Field Day	Demonstration Field of production of paddy straw mushroom	1	F/FW	1	Off	4	2	2	1	10	11	16	14	30
Exposure Visit	Visit to Progressive farmers Field (Intra district	1	F/FW	1	Off	2	4	1	-	9	4	12	8	20

(x)

Crop	Marigold
Thrust Area	Non Availability of Marigold Flower round the year due to non-availability of improved variety seedlings at village level
Thematic Area	Income generation
Season	Rabi, 2020-21
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	Marigold	10	**Demonstration on cultivation of Marigold (for Income generation Of SHGs** (Var: Ceracole, Transplanting of marigold seedling at spacing 60x45 cm, topping of apical shoots at 15 days interval three times to induce branches, application of DAP+Potash 50gram each/plant before flowering and after flowering.	Flower diameter, No. of flowers per plant, flower yield (q/ha)	Seedlings and Cuttings of marigold	-	-		3	-	1	-	6	-	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
Training	Scientific technique of marigold cultivation	1	F/FW	1	Off	-	5	-	1	-	19	-	25	25
Field Day	Demonstration Field of marigold cultivation	1	F/FW	1	Off	-	6	-	1	10	11	16	14	30
Booklet preparation	Marigold cultivation	1	F/FW	1	Off	2	4	1	-	9	4	12	8	20

(xi)

Crop	Honey Bee
Thrust Area	Poor availability of pure Honey round the year
Thematic Area	Income generation
Season	Kharif & 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
1	Honey Bee	10	**Demonstration on Apiary for SHGs.** **(**Scientific management of *ApisCerenaIndica,* Apiary box, colony and honey extractor)	Honey yield, income	Apiary, Bee box with Colony		-		3	0	1	-				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	Package and Practices of Apiculture cultivation	1	F/FW	1	Off	-	5		2		18		25	25
Field Day	Demonstration Field of cultivation of Apiculture	1	F/FW	1	Off	-	7	-	3	-	20		30	30
Exposure Visit	Visit to Progressive farmers Field (Intra district	1	F/FW	1	Off	4	2	1	1	9	3	14	6	20

(xii)

Crop	Tomato
Thrust Area	Suitability land for vegetable cultivation
Thematic Area	Yield increment
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	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato/ Arka Rakhshyak	1.0	**Demonstration on adoption of staking methods for tomato cultivation** Staking will be done in the vertical manner with fish net as staking material, Var: Arkarakhasak	No. of Fruits/plant, Avg. Fruit weight, Vegetative Parameter- plant height, days required for flowering, fruit maturity				1	0	3	2	2	2	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
Training	Adoption of different staking methods in tomato production	1	F/FW	1	Off	0	5	0	3	0	17	0	25	25
Field Day	Field day on different staking methods for tomato cultivation	1	F/FW	1	Off	2	2	6	2	8	10	16	14	30

(xiii)

Crop	Mahua
Thrust Area	Post harvest Management
Thematic Area	Value addition
Season	Rabi 2021
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	Mahua	10 locations	**Demonstration on value addition of Mahua** (Preparation of different value added products like ladoo etc.) Boiling of Mahua(1kg) flower pulp with Citric acid @ 2g/kg and Jaggery (100g), Addition of Ragi flour @ 500g/kg of pulp, Addition of Sesamum seed, Dried ginger powder and cashew nut after getting a thick consistency of the prepared batter	Shelf life, taste, Colour (9-point hedonic scale)	-	-	-	1	1	4	1	3	0	8	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	Preparation of value added products of “Mahua”.	1	F/FW	1	Off	2	0	3	0	20	0	25	0	25
Field Day	Field day on value added products of “Mahua”.	1	F/FW	1	Off	2	0	2	1	22	2	26	4	30

(xiv)

Crop	Vegetables
Thrust Area	Vegetable Seedling production
Thematic Area	Nursery Raising
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	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Seedling Raising	10 units	**Demonstration on low cost portable poly tunnel for seedling raising** (Construction of low cost polytunnel (10'x3'x2') length: width: height, supported by bamboo frames)	Germination (%), Mortality (%) Plant growth (cm)	-	-	-	2	0	2	2	4	0	8	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	Use of low cost portable type poly tunnel for different seedling raising.	1	F/FW	1	Off	2	2	5	5	8	3	15	10	25
Field Day	Field day on seedling raising in low cost poly tunnel.	1	F/FW	1	Off	7	3	2	2	8	10	15	15	30

(xv)

Crop	Green gram
Thrust Area	Pulse Mechanization
Thematic Area	Farm Mechanization
Season	Rabi 2021
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	Greengram	10 locations (10Ha.)	**Demonstration on pulse thresher** It consists of a threshing cylinder, concave, cylinder casing, cleaning system and feeding chute. In axial flow concept, the crop is fed from one end, moves axially Threshing capacity–1 Q/hr	Yield(kg/hr) , cost of operation, Labour Requirement (MDs/ha)	-	-	-	1	0	0	1	8	0	9	1	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	Use of pulse thresher for greengram threshing.	1	F/FW	1	Off	0	2	0	3	0	20	0	25	25
Field Day	Field day on pulse thresher.	1	F/FW	1	Off	8	4	2	2	10	6	20	10	30

(xvi)

Crop	Fishery
Thrust Area	Production & Management (Pond Based)
Thematic Area	Varietal Performance
Season	Kharif, 2020
Farming Situation	Rainfed Pond Based

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	Fishery	10	**Demonstration of improved Rohu "Jayanti"** (Stocking of "Jayanti" rohu @2000nos/ha. "Jayanti" rohu will replace normal rohu @2000nos/ha with proper manuring and feeding management in the culture pond. (DOC-10months))	Growth rate (%), Avg. Wt (gm.) Survivability (%)	-	-	-	2	-	1	-	7	-	10	0	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	Feeding management in Aquaculture	1	F/FW	1	Off	2	2	5	6	6	4	13	12	25
Field Day	Demonstration field of Improved Rohu "Jayanti"	1	F/FW	1	Off	8	3	6	3	10	0	24	6	30
Exposure Visit	Visit to Progressive farmers Field (Intra district)	1	F/FW	1	Off	5	0	5	0	10	0	20	0	20

(xvii)

Crop	Fishery
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Performance
Season	Rabi, 2020
Farming Situation	Pond Based

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	Fishery	10	**Demonstration of Minor barb/Carp as Intercrop in Aquaculture** (Stocking of "Java Punti" fingerlings @2000nos/ha. along with IMC fingerlings with proper management. (Duration of Java Punti as Intercrop- 5months, Duration of Major crop IMC- 10months))	Growth rate (%), Avg. Wt (gm.) Productivity (q/ha.)	-	-	-	3	-	0	-	7	-	10	0	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	Composite fish culture	1	F/FW	1	Off	2	2	5	6	6	4	13	12	25
Aqua Field School	Improved Rohu "Jayanti"	1	F/FW	1	Off	8	3	6	3	10	0	24	6	30
Booklet	Rural Aquaculture	1	F/FW											

(xviii)

Crop	Duckery
Thrust Area	Production & Management
Thematic Area	Production & Management
Season	Kharif 2020
Farming Situation	Pond Based

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	Duckery	10 nos	**Demonstration of duck rearing in polythene ponds** Rearing 25no.s of duck/ pond, pond size 10ftx5ftx1.5ft	Body weight, mortality, no. of eggs/annum, B C ratio				2	1	1	1	3	2	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
Field Day	Field day on duck rearing in polythene ponds	1	F/FW	1	Off	7	3	2	2	8	10	15	15	30
Exposure Visit	Visit to Progressive farmers Field (Intra district)	1	F/FW	1	Off	5	0	5	0	10	0	20	0	20

(xix)

Crop	Forestry
Thrust Area	Agroforestry
Thematic Area	Production & management
Season	Kharif, 2020
Farming Situation	Rainfed

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	Forestry	1	**Demonstration of lemon grass** Lemon grass cultivation in the fallow land of forest area	Growth rate (cm) Survivability (%)	-	-	-	2	-	1	-	7	-	10	0	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	Cultivation of lemon grass	1	F/FW	1	Off	2	1	3	0	14	5	19	6	25
Field Day	Field day on Lemon Grass	1	F/FW	1	Off	1	0	4	2	14	4	19	6	25

(xx)

Crop	Forestry
Thrust Area	Agro forestry
Thematic Area	Integrated farming
Season	Rabi, 2020
Farming Situation	Traditional forestry

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	Forestry	10	**Demonstration of lac** Inoculation of brood lacs to the branches of host trees before swarming 50 broods/unit.	Avg. Wt (gm.) Productivity (q/ha.)	-	-	-	3	-	0	-	7	-	10	0	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
Field Day	Field day on Lac	1	F/FW	25	Off	8	3	6	3	10	0	24	6	30

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

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

Name of the Crop / Enterprise	Variety / Type	Period From 01.04.2020 to 31.03.2021	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Hasant	Kharif	1 ha	B/S to F/S	50.00	63000	151550	88550
Green gram	IPM 2-14	Rabi	1 ha	B/S to F/S	4.00	27000	41000	14000
Vegetable Seedling	Hybrid & OP	Kharif & Rabi	100000 nos.	100000 no.	100000 no.	75000	150000	75000
Papaya Seedlings	Hybrid & OP	Kharif	2000	Hybrid & OP	2000	20000	50000	30000
Drumstick Seedlings	Bhagya	Kharif	3000 nos.	Hybrid	3000 nos.	15000	45000	30000
Forest Seedlings		Kharif	10000 nos.		10000 nos.	80000	150000	70000
Mango Grafts	Improved	Kharif	1000 nos.	Improved	1000 nos.	20000	40000	20000
Fish seed	Jayanti, Amur G carp		0.1	Fingerling	50000	50,000	2,00,000	1,50,000
Chicks	Banaraja	Kharif & Rabi	3000 no.s		3000	80000	210000	130000
Vermicompost		Kharif & Rabi	60q		50q	15000	75000	50000
Vermi wash					10lt			
Mus spawn			7000		3000			

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.)

5. 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	20	387	113	500							
2.	KisanMela	2	275	125	400							
3.	KisanGhosthi	12	180	0	180							
4.	Exhibition	3	1200	300	1500							
5.	Film Show	24	360	120	480							
6.	Method Demonstrations	30	230	70	300							
7.	Farmers Seminar	2	35	15	50							
8.	Workshop	1	25	5	30							
9.	Group meetings	15	140	85	225							
10.	Lectures delivered as resource persons	30	610	140	750							
11.	Advisory Services	50	-	-	80000							
12.	Scientific visit to farmers field	300	-	-	1500							
13.	Farmers visit to KVK	600	-	-	600							
14.	Diagnostic visits	35	-	-	350							
15.	Exposure visits	5	66	34	100							
16.	Ex-trainees Sammelan	1	17	8	25							
17.	Soil health Camp	1			50							
18.	Animal Health Camp	1			50							
19.	Agri mobile clinic	-	-	-	-							
20.	Soil test campaigns	2	80	20	100							
21.	Farm Science Club Conveners meet	5	125	0	125							
22.	Self Help Group Conveners meetings	6	0	78	78							
23.	MahilaMandals Conveners meetings	-	-	-	-							
24.	Celebration of important days (specify)	4	150	50	200							
25.	Sankalp Se Siddhi	-	-	-	-							
26.	Swatchta Hi Sewa	1	-	-	100							
27.	Mahila Kisan Diwas	1	0	50	50							
28.	Any Other (Specify)	-										
	Total	**1151**	**3880**	**1213**	**87743**							

6. Revolving Fund (in Rs.)

Opening balance of 2020-2021 (As on 01.04.2020)	Amount proposed to be invested during 2020-2021	Expected Return
140185	-	300000

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
INM	Trainees	1,50,000
PMMSY	NFDB	50,00,000
RKVY	Govt.	25,00,000

9. On-farm trials to be conducted*

OFT: I

i.	Season	:	Kharif 2020
ii.	Title of the OFT	:	**Assessment of New generation fungicides for Sheath Blight management in Rice**
iii.	Thematic Area	:	IDM
iv.	Problem diagnosed	:	Lack of use of associated cultural practices as component of IDM
v.	Important Cause	:	Excess nitrogen fertilizer & high seeding rate or close plant spacing
vi.	Production system	:	Rice – Green gram
vii.	Micro farming system	:	Medium land
viii.	Technology for Testing	:	Integrated disease mgt. for sheath blight in paddy
ix.	Existing Practice	:	Less use of fungicides
x.	Hypothesis	:	Reduce supply of Nitrogen and avoid close plant spacing
xi.	Objective(s)	:	To aware the farmers about the exact cultivation practices to control sheath blight
xii.	Treatments:		
	Farmers Practice (FP)	:	Less use of fungicides
	Technology Option-I (TO_1)	:	Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection
	Technology Option-II (TO_2)	:	Spraying of Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT
xiii.	Critical Inputs	:	Fungicides
xiv.	Unit Size	:	0.6 ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1150/-
xvii.	Total Cost	:	Rs. 11500/-
xviii.	Monitoring Indicator	:	Infected tillers /m^2 , Cost of intervention. Additional income over additional investment % infection, Yield (q/ha), B:C ratio,
xix.	Source of Technology	:	AICRP RICE, OUAT, CHIPLIMA-2018 , NRRI,ANNUAL REPORT-2014

OFT: II

i.	Season	:	Kharif, 2020-21
ii.	Title of the OFT	:	**Assessment on production of Finger millet varieties**
iii.	Thematic Area	:	Varietal Intervention
iv.	Problem diagnosed	:	Low yield from local variety & Unavailability of HYV of fingermillet
v.	Important Cause	:	Less production due to local variety
vi.	Production system	:	Rice- fallow
vii.	Micro farming system	:	Upland
viii.	Technology for Testing	:	The Variety having duration 126 days ,yield potential 20.7q/ha, Moderately resistance to Leaf blast, neck blast, finger blast and brown seed.
ix.	Existing Practice	:	Fallow
x.	Hypothesis	:	Varietal intervention will lead to better yield and also provide nutritional security.
xi.	Objective(s)	:	Utilization of fallow land in kharif season
xii.	Treatments:		
	Farmers Practice (FP)	:	Cultivation of local variety of finger millet , yield potential 12-15q/ha
	Technology Option-I (TO_1)	:	Var: Arjun
	Technology Option-II (TO_2)	:	Var: Bhairabi
	Technology Option-II (TO_3)		Var: Kalua
xiii.	Critical Inputs	:	Finger Millets Seeds
xiv.	Unit Size	:	1 Acre
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1000
xvii.	Total Cost	:	10000
xviii.	Monitoring Indicator	:	Days to 50% flowering, Days to maturity, No. of fingers
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	SLREC, OUAT, 2017-18

OFT: III

i.	Season	:	Kharif, 2020-21
ii.	Title of the OFT	:	**Assessment on Performance of different substrates for vermicompost production**
iii.	Thematic Area	:	Production of organic inputs
iv.	Problem diagnosed	:	Under utilization of organic wastage and scarcity of organic manure
v.	Important Cause	:	Lack of awareness regarding preparing of organic fertilizer
vi.	Production system	:	organic manure production
vii.	Micro farming system	:	Homestead
viii.	Technology for Testing	:	Field Crop residue can be better utilised in vermicomposting
ix.	Existing Practice	:	Organic compost local method
x.	Hypothesis	:	Vermicompost is highly appreciated for organic farming
xi.	Objective(s)	:	To increase organic status of the soil and yield
xii.	Treatments:		
	Farmers Practice (FP)	:	Vermicomposting from cow dung+ vegetable waste (2:3)
	Technology Option-I (TO_1)	:	Vermicomposting from cow dung+ Field Crop residue (2:3)
	Technology Option-II (TO_2)	:	Vermicomposting from cow dung+ Spent mushroom substrate (2:3)
xiii.	Critical Inputs	:	Cow dung, vermibed, vermin
xiv.	Unit Size	:	6' X 4'
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1000
xvii.	Total Cost	:	10000
xviii.	Monitoring Indicator	:	NPK status (%), Conversion period(days), Conversion ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	NRCM, Solan, 2012

OFT: IV

i.	Season	:	Kharif, 2020
ii.	Title of the OFT	:	**Assessment on performance of sugarcane ridger**
iii.	Thematic Area	:	Farm Mechanization
iv.	Problem diagnosed	:	Manually Preparation of land for sugarcane crop reuires more time.
v.	Important Cause	:	Uniform bed preparation with less time and for getting higher yield.
vi.	Production system	:	Field based
vii.	Micro farming system	:	Rainfed
viii.	Technology for Testing	:	Tractor operated Sugarcane ridger
ix.	Existing Practice	:	Manually preparation of beds
x.	Hypothesis	:	Less labour and time required for land prepation as it will be done by tractor operated ridger.
xi.	Objective(s)	:	To assess the tractor operated Sugarcane Ridger for sugarcane cultivation
xii.	Treatments:		
	Farmers Practice (FP)	:	Making forrows and ridges by using Spades
	Technology option-I (TO_1)	:	Bullock drawn Ridger
	Technology option-II (TO_2)	:	Tractor operated Sugarcane Ridger
xiii.	Critical Inputs	:	Suagrcane Ridger
xiv.	Unit Size	:	1ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	2000
xvii.	Total Cost	:	20000
xviii.	Monitoring Indicator	:	Field capacity (ha/hr), Labour Requirement (MDs/ha) , Cost of operation (Rs/ha), Yield(q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	CAET, AICRP on FIM, TNAU

OFT: V

i.	Season	:	Rabi, 2021
ii.	Title of the OFT	:	**Assessment on preparations of Suagarcane Jaggery**
iii.	Thematic Area	:	Value addition
iv.	Problem diagnosed	:	Due to black in colour and poor quality of jaggery, fetching less market value and consumer acceptance.
v.	Important Cause	:	For better market value and consumer acceptance.
vi.	Production system	:	Homestead
vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Organic/Vegetative clarificants will be used for better colour.
ix.	Existing Practice	:	Farmers using chemical clarificants (Calcium hydroxide) for jiggery preparation
x.	Hypothesis	:	Vegetable extract results in good colour, better acceptance and better health condition..
xi.	Objective(s)	:	To assess preparation of Suagarcane Jaggery
xii.	Treatments:		
	Farmers Practice (FP)	:	Farmers using chemical clarificants (Calcium hydroxide) for jiggery in excess results in dark colour and poor market vlue.
	Technology option-I (TO_1)	:	Vegetable clarificants like 500 ml. of ladies finger plant extract per 400 liters of cane juice will be used to adjust the pH to obtain better colur of the produce. .
	Technology option-II (TO_2)	:	Vegetable clarificants like 500 gm of groundnut paste per 400 liters of cane juice will be used to adjust the pH to obtain better colur of the produce.
xiii.	Critical Inputs	:	ladies finger, groundnut
xiv.	Unit Size	:	10 units
xv.	No of Replications	:	10
xvi.	Unit Cost	:	100
xvii.	Total Cost	:	10000
xviii.	Monitoring Indicator	:	Quality of Jaggery (Colour)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	TNAU

OFT: VI

i.	Season	:	Kharif, 2020-21
ii.	Title of the OFT	:	**Assessment of packaging practices of *V. volvacea* mushroom**
iii.	Thematic Area	:	Income generation
iv.	Problem diagnosed	:	Distress Sale and low income due to short shelf life
v.	Important Cause	:	12 hours self life cause low income
vi.	Production system	:	Homestead
vii.	Micro farming system	:	Green shade net house and under the tree
viii.	Technology for Testing	:	Perforated Paper bag
ix.	Existing Practice	:	polythene
x.	Hypothesis	:	Paddy straw mushroom spoiled after 12 hours
xi.	Objective(s)	:	To get more lifespan of paddy straw mushroom by keeping in paper bag comparison to poly propelling
xii.	Treatments:		
	Farmers Practice (FP)	:	Without treatment of mushroom buds packing in polythene bag for selling purpose.
	Technology Option-I (TO_1)	:	75 µ HIPS punnet can be used for packing transported to distant markets in modified EPS cabinet with 6 kg ice placed in the separate side compartment.
	Technology Option-II (TO_2)	:	Mushroom packing in 75 µ paper pack covering thin polythene inner side of the bag
xiii.	Critical Inputs	:	Perforated paper bags andperforated poly propelling bags.
xiv.	Unit Size	:	10 kg. mushroom
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs 1000
xvii.	Total Cost	:	Rs 10000
xviii.	Monitoring Indicator	:	Cost of input, Net profit, B.C. ratio. Sensory evaluation
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	PAU- 2010

OFT: VII

i.	Season	:	Kharif, 2020-21
ii.	Title of the OFT	:	**Assessment on humidity management in paddy straw mushroom production**
iii.	Thematic Area	:	Income generation
iv.	Problem diagnosed	:	Low yield due to improper production techniques
v.	Important Cause	:	Spread and intensity of problem
vi.	Production system	:	Rainfed upland
vii.	Micro farming system	:	Homestead
viii.	Technology for Testing	:	Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
ix.	Existing Practice	:	Cultivation of PSM with bundle straw substrate (3 layers)
x.	Hypothesis	:	Abnormal humidity may lead to other fungal growth
xi.	Objective(s)	:	To get more production by using hybrid seeds
xii.	Treatments:		
	Farmers Practice (FP)	:	Cultivation of PSM with bundle straw substrate (3 layers)
	Technology option-I (TO-I)	:	Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition
	Technology option-II (TO-II)	:	Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
xiii.	Critical Inputs	:	
xiv.	Unit Size	:	1ac
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1000
xvii.	Total Cost	:	10000
xviii.	Monitoring Indicator	:	Humidity % , Days to first flush, Size of fruit budding, Average fruit body wt. Pin head appearance (Days), Biological efficiency, Yield
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	CTMRT, OUAT, Bhubanesawr

OFT: VIII

i.	Season	:	Kharif, 2020-21
ii.	Title of the OFT	:	**Assessment on performance of Improved carp "Amur" in carp polyculture system**
iii.	Thematic Area	:	Varietal Evaluation
iv.	Problem diagnosed	:	Slow growth rate of Mrigal (Bottom feder) affects the average yield in carp polyculture
v.	Important Cause	:	Less production due to poor growth of Mrigal
vi.	Production system	:	Pond based system
vii.	Micro farming system	:	Small to medium tank
viii.	Technology for Testing	:	**Amur Carp**
ix.	Existing Practice	:	Mrigal
x.	Hypothesis	:	Amur carp as bottom feeder having higher growth rate.
xi.	Objective(s)	:	To get maximum production comparison to common carp
xii.	Treatments:		
	Farmers Practice (FP)	:	Mrigal as bottom feeder with stocking ratio of 30% Catla: Rohu : Mrigal :: 30:40:30
	Technology Option-I (TO_1)	:	Stocking ratio- Catla: Rohu : Mrigal :Amur carp :: 30:40:20:10
	Technology Option-II (TO_2)	:	Stocking ratio- Catla: Rohu : Mrigal :Amur carp :: 30:40:10:20
xiii.	Critical Inputs	:	Fingerlings of Amur carp
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha), Date of maturity
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	UAS, Bangalore, 2013

OFT: IX

i.	Season	:	Rabi, 2020-21
ii.	Title of the OFT	:	**Assessment on performance of probiotics in Aquaculture**
iii.	Thematic Area	:	Pond management
iv.	Problem diagnosed	:	Poor growth of fishes due to non-availability of sufficient beneficial microorganism in pond ecosystem for maintenance water quality for culture purposes which leads to less natural plankton.
v.	Important Cause	:	Poor availability of beneficial microorganism.
vi.	Production system	:	Culture based system
vii.	Micro farming system	:	Aquaculture pond with manuring and feeding management.
viii.	Technology for Testing	:	Probiotics
ix.	Existing Practice	:	Stocking of fish seed with application of organic manure application
x.	Hypothesis	:	water probiotics (*Bacillus* etc.) will enhance the good water quality, Improve the growth of plankton leading to better fish production and application of feed probiotics (*Lactobacillus*, *Saccharomyces* etc.) will enhance the digestibility and immunity in fishes for better growth, survivability and feed conversion ratio (FCR). Improve the growth of plankton leading to better fish production
xi.	Objective(s)	:	To assess the effect of Probiotics in aquaculture production system
xii.	Treatments:		
	Farmers Practice (FP)	:	Manuring and feeding
	Technology option-I (TO_1)	:	Water Probiotics (Bacillus etc)
	Technology option-II (TO_2)	:	Feed Probiotics (Lactobacillus, Sachharomyces etc.)
	Technology option-III (TO_3)		$TO_1 + TO_2$
xiii.	Critical Inputs	:	Probiotics
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1000
xvii.	Total Cost	:	10000
xviii.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha),
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA, 2014

OFT: X

i.	Season	:	RABI 2020-21
ii.	Title of the OFT	:	**Assessment of new poultry breeds in backyard system**
iii.	Thematic Area	:	Income Generating activities
iv.	Problem diagnosed	:	Poor production and income from local nondescript desi type chicken
v.	Important Cause	:	Low body wt. & poor egg potential of Desi breed of poultry
vi.	Production system	:	Backyard poultry
vii.	Micro farming system	:	Homestead
viii.	Technology for Testing	:	To assess the income from improved poultry birds in backyard system
ix.	Existing Practice	:	Farmers are rearing local poultry breed
x.	Hypothesis	:	More survival, better growth & development in backyard system
xi.	Objective(s)	:	To assess the new poultry breeds in terms of production and feasibility to backyard farming system
xii.	Treatments:		
	Farmers Practice (FP)	:	Rearing of Desi birds
	Technology option-(TO_1)	:	Rearing of Kadaknath
	Technology option-(TO_2)	:	Rearing of Rhode Island Red
xiii.	Critical Inputs	:	Chicks, vaccines
xiv.	Unit Size	:	40 Birds
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1550
xvii.	Total Cost	:	15500
xviii.	Monitoring Indicator	:	Body weight at 1month, 2month, 4months and age of laying, annual egg production
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	Annual Report 2016-17, Dir. of Poultry , ICAR

*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	ARYA	20,00,000
2	SCSP	25,00,000

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

5 Entrepreneurs Success story (Mushroom, Vegetable seedling, Fishery, Poultry, Vermicompost)

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2020-2021
Nov 2019	Dec 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	450	20	7	20	7	346	50	386	64	450	30	450
Water Samples	30	4	2	2	2	15	5	21	9	30	12	30
Total	480	24	9	22	9	361	55	407	73	480	42	480

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
TA	100000	120000
HRD	7500	30000
CONTIGENCY	1025450	1400000
LIBRARY	10000	10000
VEHICLE	800000	-
FARM IMPLEMENT	-	500000
FARM DEVELOPMENT	-	500000
Total	19,42,950	25,60,000

* 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

Sd/-
Dt:01.07.2020
(ANIL KUMAR SWAIN)
SENIOR SCIENTIST & HEAD
KVK, OUAT, NAYAGARH, ODISHA

Action Plan for Doubling Farmers Income by 2022

1. Name of KVK/ district: Nayagarh

2. Name of villages adopted: Odiabudhapadar, Nachhipur, Godipalli, Chindera, Anlamada

3. Number of farmers targeted: 50

4. Compiled baseline survey report (point wise) of the villages:
(i) Area of agriculture land (ha): 448
(ii) Area of irrigated land (ha): 135
(iii) Number of water body: 7 ponds, 50 dug well
(iv) Area of water body (ha): 25
(v) Number of different livestock animals: 500
(vi) Average yield of different crops, livestock and fisheries:

Sl No.	Crop/Livestock	Average Yield
1	Paddy	47q/ha
2	Greengram	2.0q/ha
3	Blackgram	2.1q/ha
4	Pumpkin	110q/ha
5	Cabbage	5.4q/ha
6	Cauliflower	287q/ha
7	Brinjal	113q/ha
8	Tomato	120q/ha
9	Cucumber	105q/ha
10	Bitter Gourd	90q/ha
11	Okra	70q/ha
12	Cow pea	41.23q/ha
13	Mushroom	1kg/bed
14	Poultry bird	1-1.2kg/bird
15	Cow	65lt/month
16	Fingerlings production	15-17t/ha

(vii) Soil status: N: Low, P: Medium, K: Medium

(viii) Average nutrients (nitrogen, phosphorous, potash, etc) used: N: 165 Kg/ha, P: 20Kg/ha, K: 128Kg/ha
(ix) Major diseases occurred in crops:

Sl No.	Crop	Disease
1	Paddy	BLB, Blast, Sheathrot, Sheath blight
2	Greengram	Root rot , YMV, Powdery Mildew
3	Blackgram	Root rot and YMV, Powdery Mildew
4.	pumpkin	Powdery mildew, Leaf Spot
5	Cabbage	Foot Rot
6	Cauliflower	Foot rot
7	Brinjal	Bacterial Wilt, Phomopsis blight
8	Tomato	Wilt, Leaf curl
9	Cucumber	Powdery mildew, Leaf Spot
10	Bitter Gourd	Downy mildew
11	Okra	Powdery Mildew
12	Runner Bean	Powdery Mildew

(x) Major diseases occurred in livestock: **Cow:** Foot and mouth Disease (FMD), Foot rot, Black quarter, Poultry: Infectious Bursal, Ranikheta

(xi) Post-harvest management/ value addition followed, if any: Value addition

(xii) Marketing channels of products: Farmers----Retailer----Consumer

(xiii) Agro-based industries, if any: No

(xiv) Average income of the farmer: 30,000-50,000/- per Annum

5. Possibility of involvement of ICAR Institutes: CIFA, NRRI, CPDO, CHESS

6. Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill & Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.): No

7. Name of other partners involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.): State Deptt., Central govt., NGOs

8. FPO formed or not? No

9. Major interventions planned: Frontline Demonstrations, CFLD, Capacity building, Awareness and other programmes involving Crops, Animals, Horticulture, Fishery and other allied sectors

10. Action Plan (including interventions made) for each village and Budget requirement:

Sl. No.	Activities planned	Expected Outcome	2020-21
1	Demonstration on Baby corn	50-60q/ha	0.10
2	Demonstration on Sugarcane var: Charchika	60-70t/ha	0.10
3	Demonstration of Nutritional garden (Round the year) for Improving Nutritional Security of farm family	-	0.10
4	Demonstration on mushroom cultivation by using crumbled straw	1.2 kg/bed	0.10
5	Demonstration on production of round the year Marigold	95-100 q/ha	0.10
6	Demonstration on Apiary for SHGs	4-5kg/ box	0.10
7	Demonstration on preparation of value added products of Mahua	1.5 kg	0.10
8	Demonstration of low cost poly tunnel for seedling raising	1700-1800 seedlings/bed	0.10
9	Demonstration of Minor barb/Carp as Intercrop in Aquaculture	20-25t/ha	0.10
10	Demonstration of duck rearing in polythene ponds	-	0.10
11	Demonstration of lemon grass	-	0.10
12	Demonstration on lac production	-	0.10
13	Farmers Fair	-	1.5
14	Other extension activity	-	0.5
15	Trainings	-	0.4
16	Exposure visit	-	-
17	Mushroom Production under ARYA	1.2kg/bed	0.10
18	Stunted Fingerlings Production under ARYA	20-25t/ha	0.10
19	Backyard Poultry Rearing under ARYA	2.5kg/bird	0.10

PROBLEM MATRIX FOR ACTION PLAN PREPARATION

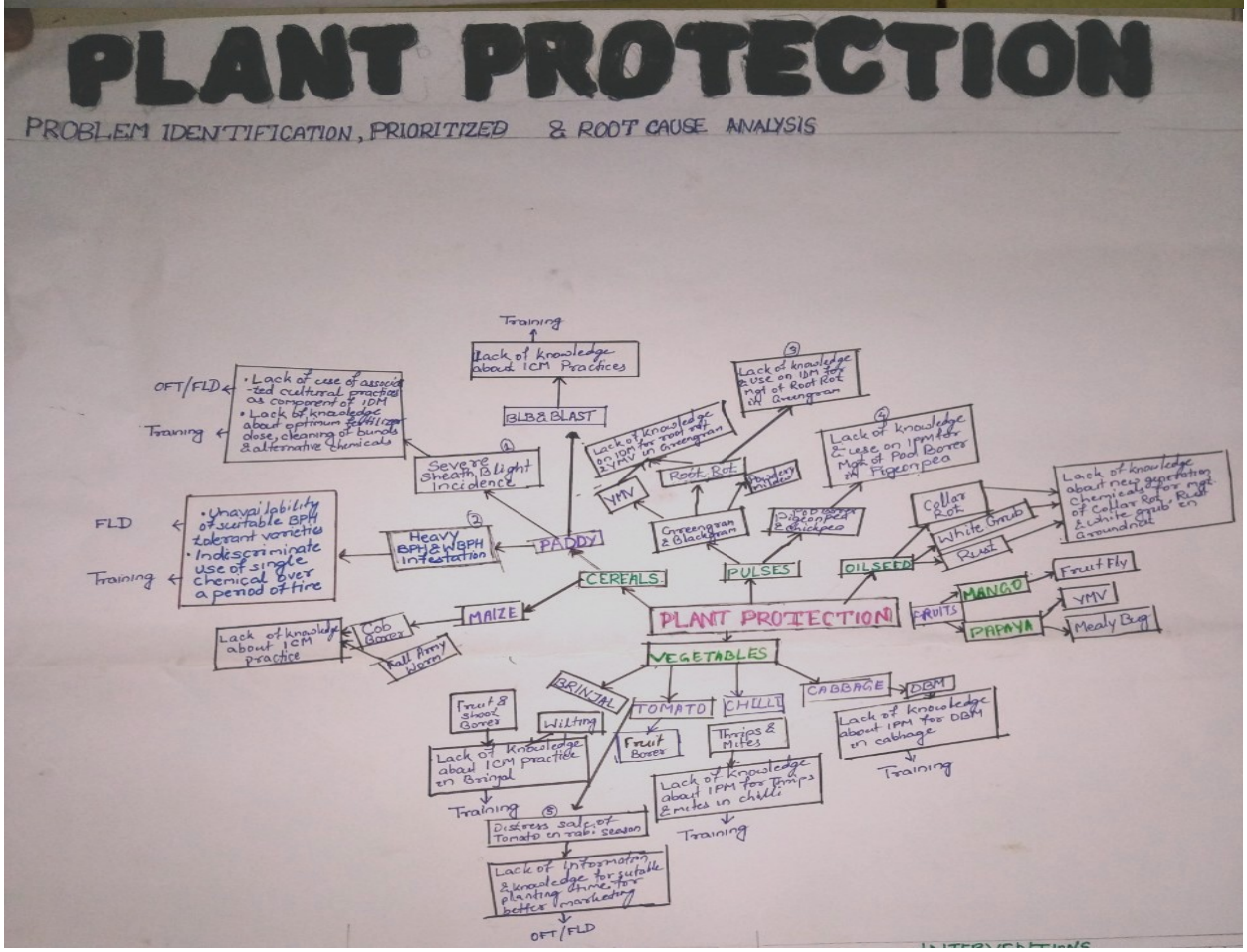
Sl. N	Commodity/Crop	Problems Identified	Problems Prioritized	Spread of the Problem	Intensity of the problem	Root Cause (S)
1.	Rice	Low grain yield – improper fertilizer management, Heavy weed infestation- High grain loss – BPH, stem borer, sheath blight/rot, blast & BLB, poor farm mechanization	1. BPH and sheath blight management 2. Weed management 3. BLB management 4. Fertilizer management 5. Stem borer 6. Sheath rot and blast management 7. Poor Mechanization	1. 15,000-18,00 ha 2. 20,000-22,000ha 3. 10,000ha 4. 60,000-65,000ha 5. 7000-8000ha 6. 7000-8000 7. 50,000 ha	1. High 2. High 3. High 4. High 5. Moderate 6. Moderate 7. High	1. Indiscriminate use of fertilizer and pesticides 2. Unaware of weed management 3. Indiscriminate use of fertilizer and pesticides 4. Unaware about fuction of different nutrients for crop production 5. Indiscriminate use of fertilizer and pesticides 6. Indiscriminate use of fertilizer and pesticides 7. Unavailability of agricultural machineries
2.	Green gram & Black gram	Low produc of Local variety, High storage loss – Pulse beetle, root rot & YMV incidence High labour intensive, cost & time involved in manul threshing	1. Root rot management 2. YMV management 3. Fertilizer management 4. Storage loss 5. Farm Mechanization	1. 40,000 ha 2. 32,000-35,000ha 3. 20,000-25,000ha	1. High 2. High 3. High 4. Moderate	1. Unaware about seed treatment 2. Indiscriminate use of pesticides 3. Unaware about fuction of different nutrients for crop production
3.	Sugarcane	Poor marketing Improper nutrient management High weed infestation Incidence of red rot Incident of ESB, IB & TSB	1. Poor marketing 2. High weed infestation 3. Improper nutrient management 4. Incident of ESB, IB & TSB 5. red rot 6. Value Addition 7. Farm Mechanization	1. 2000 ha 2. 1500 ha 3. 1500 ha 4. 800ha 5. 600 ha	1. High 2. High 3. High 4. High 5. Moderate	1. Non-availibity of sugar factory 2. Unaware of weed management 3. Unaware about fuction of different nutrients for crop production 4. Lack of irrigation and drainage facility 5. Set infection
4.	Maize	Low productivity, imbalanced	1. Cub borer 2. Maize sheath blight	1. 1500-2000ha 2. 1500-1800	1. High	1. Unaware of management 2. Less use of potasic

		nutrient management, heavy weed incidenceSevere pest & disease incidence throughout the crop growth. poor farm mechanizatio	3. Non availability of HYV 4. poor farm mechanization	ha	2. High 3. High	fertilizer in soil application at first eathing up, Internal seed borne fungus
5.	Ground nut	Increased production cost – Manual weeding-Poor plant stand – wilting Disease incidence Poor Mechanizatio	1. High Weed incidence 2. Wilting 3. Poor Mechanization	1. 500 ha 2. 300ha 3. 200ha	1. High 2. High 3. High	1. Less aware about use of herbicides 2. Less aware about use of fungicides. 3. Unavailability of agricultural machineries
6.	Sesamum	No fertilizer application Incidence of disease pest management	1. No fertilizer application 2. Incidence of Phyllody disease 3. Incidence of leaf webber	1. 3500 ha 2. 2000 ha 3. 1500 ha	1. High 2. Moderat 3. Moderate	1. Less aware about fertilizer management 2. Less aware about Phyllody disease 3. Less aware about leaf webber
7	Pigeon pea	Lower yield due to high Pod borer infestation	1. Non availability of alternative suitable chemicals			
8.	Mango	Fruit drop-Mango hopper Bark eating caterpillar& fruit fly Poor value addition	1. Fruit drop 2. Mango hopper & fruit fly 3. Bark eating caterpillar 4. Poor value addition	1. 2000 ha 2. 1200 ha 3. 700-800 ha	1. High 2. High 3. High 4. High	1. Less about application of hormones 2. Less of insect pest management 3. Less of insect pest management
9	Brinjal	Fruit and Shoot borer Incidence-Wilting Non availabity of cold storage High mortality of seedling in nursery poor farm mechanization	1. Fruit and Shoot borer Incidence- 2. Wilting disease 3. Non availability of cold storage 4. Weed incidence 5. High mortality of seedling in nursery 6. poor farm mechanization	1. 1700 ha 2. 1200 ha 3. 1500 ha 4. 1700 ha 5. 1500 ha	1. High 2. High 3. High 4. High 5. High	1. Indiscriminate use of insecticides and Fruit and Shoot borer getting resistance to many of the conventional insecticides. 2. Less about management of wilting 4. Unaware about use of herbicides. 5. Nursery raising in open field condition

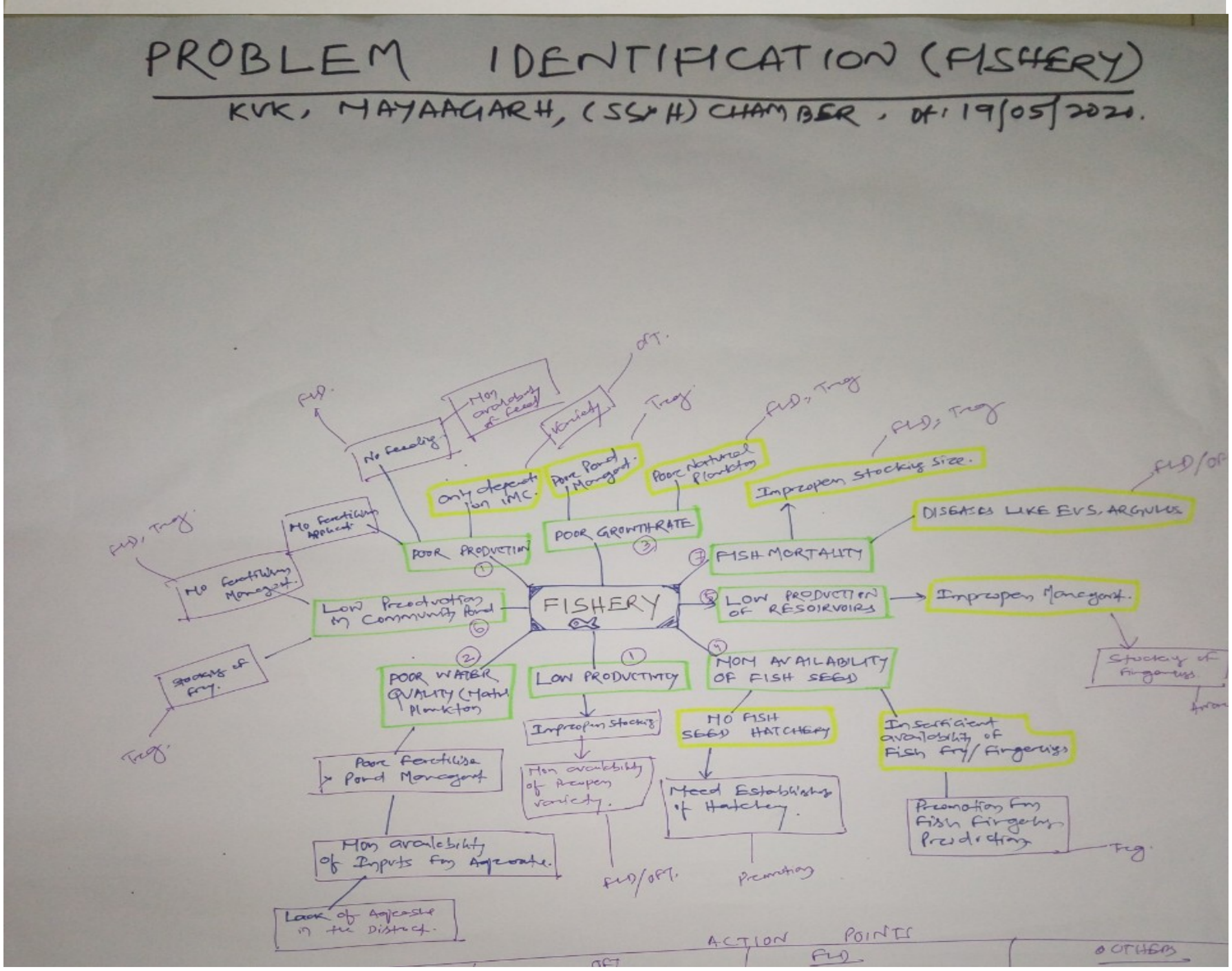
						6. Unavailability of agricultural machineries
10	Cole crop	Low yield due to improper fertilizer application Incidence of disease and pest	1. Incidence of lepidoptrus insect pest 2. Damping off and bacterial disease	1. 800 ha 2. 700 ha	1. High 2. Moderate	1. Less aware about management insect pest 2. Less aware about management of diseases
11	Maize+ Colocassia Intercropping	Non availability of Standard Crop manage practices and lack of knowledge about any other alternate crop for intercrop in Colocassia		1. 800 ha 2. 700 ha	1. High	Lack of Knowledge on alternate crop for intercropping in Colocassia .
12	Finger Millets	Unutilization of Fallow Uplands during Kharif	Uplands remaining fallow during Kharif season			Non availability of suitable Finger millet variety
13	Sunhemp	Decrease in yield due to low soil fertili				Lack of Knowledge on green manuring
14	Chilli	Leaf curl Disease chilly thrips	1. Leaf curl Disease 2. chilly thrips	1. 1000 ha 2. 800ha	1. High 2. High	1. Less aware about management of diseases 2. Less aware about management insect pest
15	Tomato	Wilting Fruit borer Blight Leaf curl	1. Leaf curl 2. Wilting 3. Blight 4. Fruit borer 5. Management Practice	1. 900ha 2. 800 ha 3. 600 ha 4. 500 ha	1. High 2. High 3. High 4. High	1. Less aware about management of diseases 2. Less aware about management of diseases 3. Less aware about management of diseases 4. Less aware about management insect pest
16	Cabbage	Low yield due to Micronutrient Deficiency	Poor management Practice			Lack of Knowledge on micronutrient Boron management in cole crop Cabbage
17	Mahua	Distress sale, Wastage of Mahua flowers due to lack of knowledge for value addition	No value addition			Lack of Knowledge on value addition

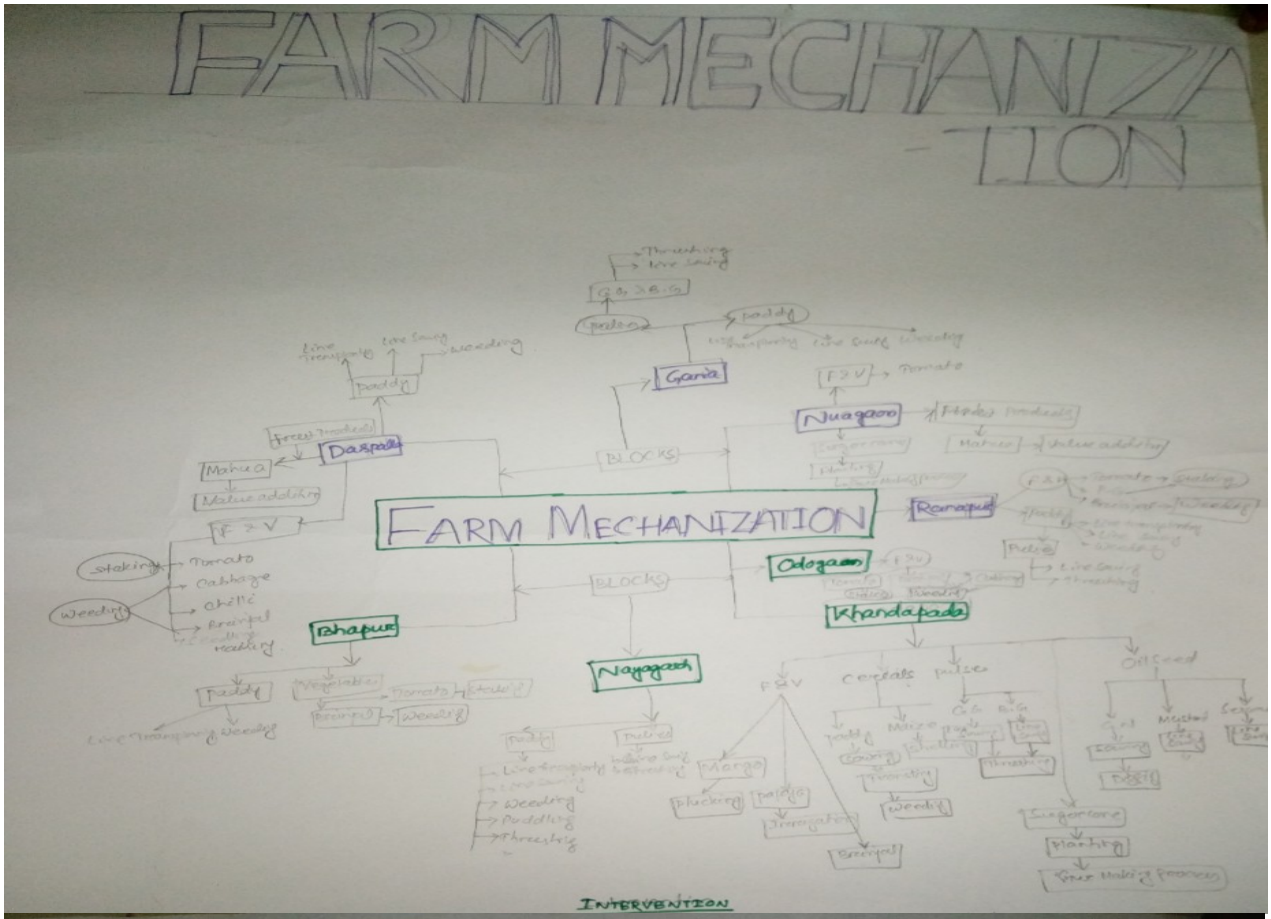
18	Mushroom	Lack of Storing and packaging Facility			High	Lack of knowledge for packaging for marketing and transpotation
19	Nutritional Garden	Malnourishment in farm families due to inadequate availability of vegetables round the year			High	Poor Nutritional Security of Farm Women
20	Honey Bee	Poor availability of Honey round the year			High	Lack of knowledge in apiculture activity
21	Marigold	Low yield from local cultivars			High	Non availability of flower round the year.
22	Fishery	Poor pond management Predatory and weed fish in fish ponds High seed mortality Improper stocking ratio and density Poor feeding management	1. Poor pond management 2. Less knowledge about stunted fingerlings production 3. High seed mortality 4. Poor feeding management 5. Non-availability quality spawn 6. Improper stocking ratio and density	-	1. High 2. High 3. High 4. High 5. High 6. High	1. Lack of knowledge about c pond management 2. Lack of knowledge about stunted fingerlings production 3. Lack of knowledge about fish production 4. Lack of knowledge about feeding management feeding management 5. No fish hatchery in the district 6. Lack of knowledge about fish production.
23	Duckery	Lack of adaptability of duckery due to non availability of farm pond				
24	Poultry	Moderate mortaity of adult birds during summer seas				Non availability of heat resistance poultry breeds
25	Forestry	Prevalence of Keeping Fallow			High	Lack of awareness about fallow management
26	Forestry	Lack of Knowledge about Minor Forest Produc			High	Misutilization of MFPs / Lack of Knowledge

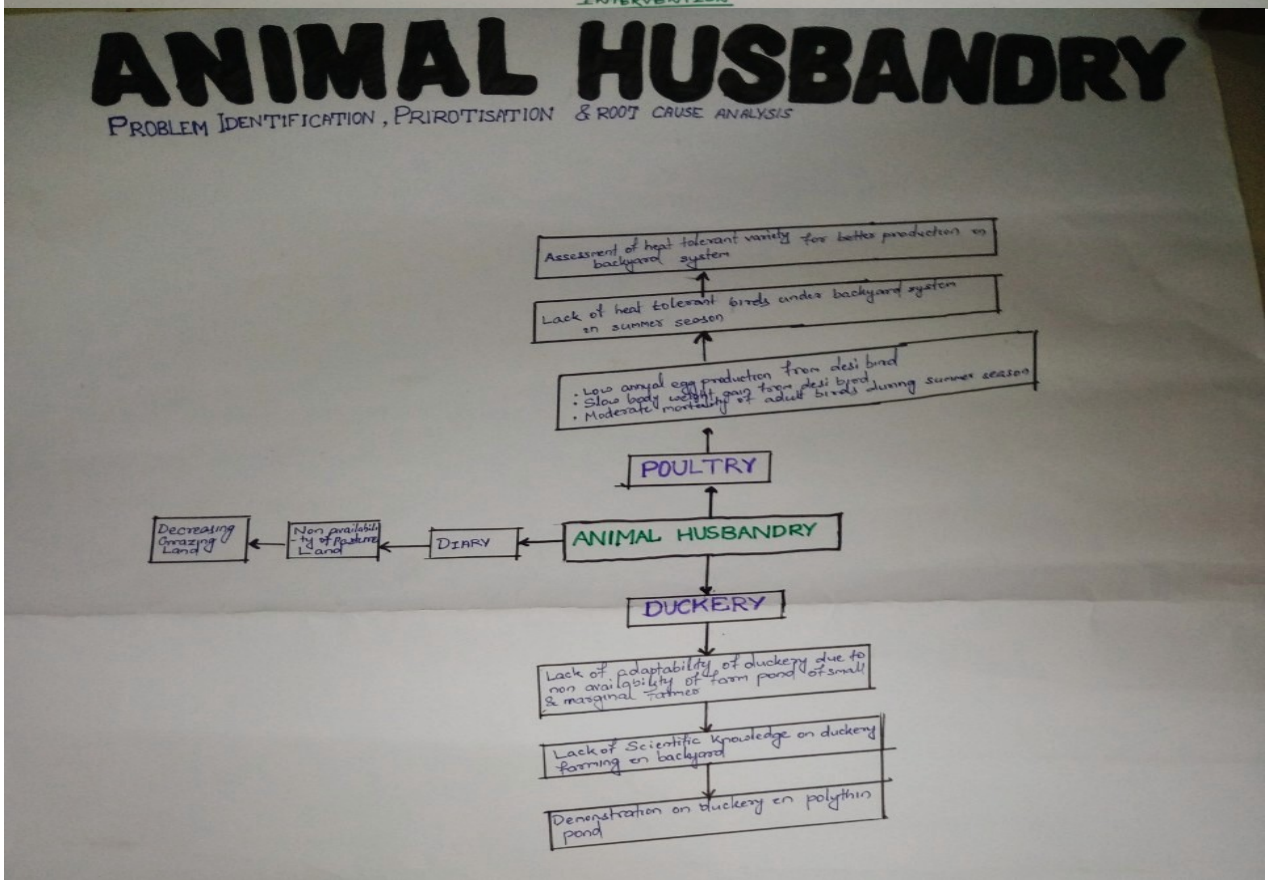

PROBLEM IDENTIFICATION SOIL SC
KVK, NAYAGARH, SCIENTIST SOIL SCIENCE
KVK NAYAGARH SOIL SC
Cereals
Pulses
Oilseeds
Vegetables
Fruit crops
Cash crops
Paddy
Maize
Groundnut
Cabbage
Cauliflower
Tomato
Brinjal
Training
FLD
OFT

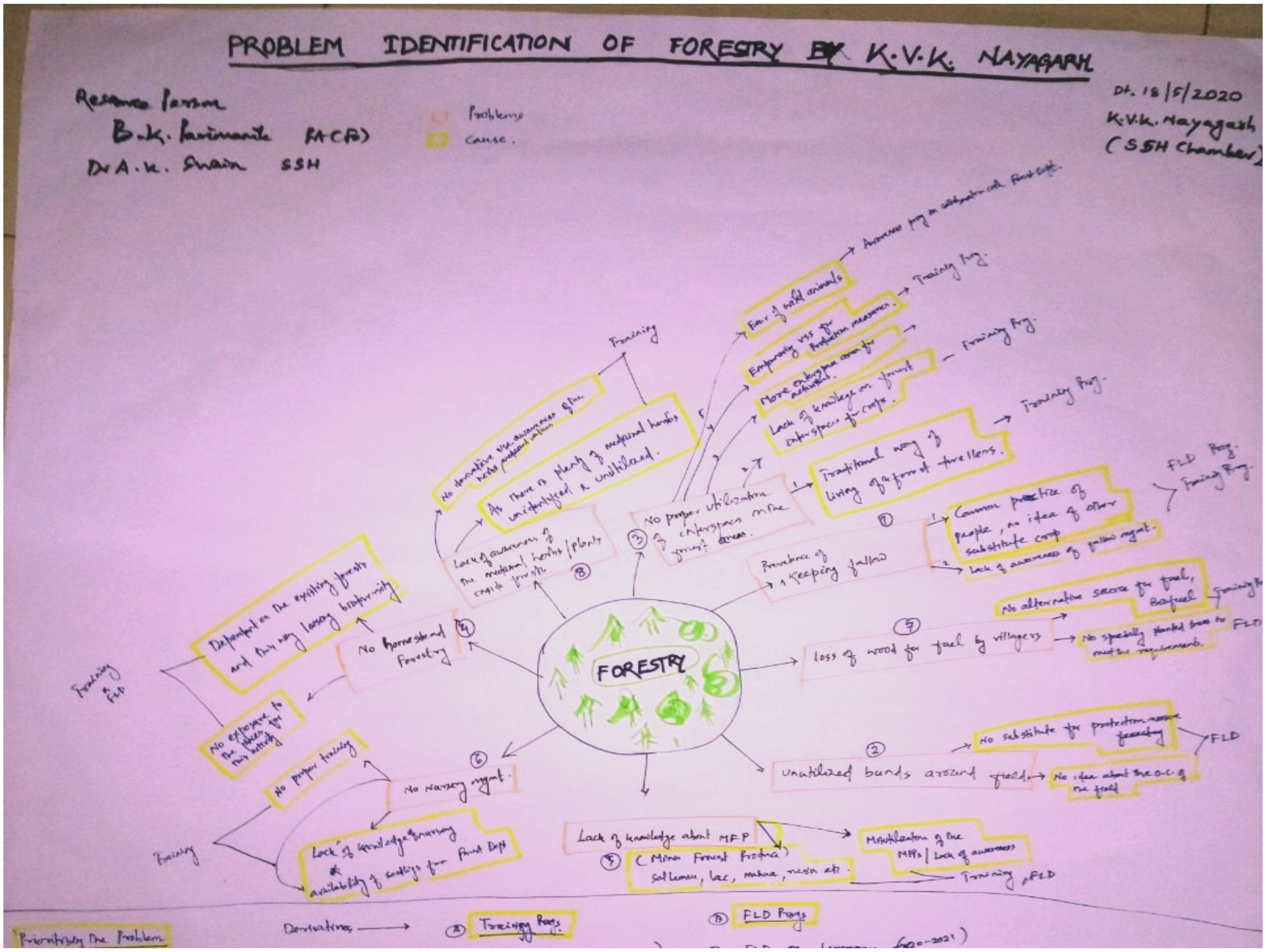

PLANT PROTECTION
PROBLEM IDENTIFICATION, PRIORITIZED & ROOT CAUSE ANALYSIS
PLANT PROTECTION
CEREALS
PULSES
OILSEED
FRUITS
VEGETABLES
PADDY
MAIZE
BRINJAL
TOMATO
CHILLI
CABBAGE
DBM
MANGO
PAPAYA
Training
OFT/FLD
FLD
Lack of knowledge about ICM Practices
BLB & BLAST
Severe Sheath Blight Incidence
Heavy BPH & WBPH infestation
Root Rot
YMV
Collar Rot
White Grub
Rust
Fruit Fly
Mealy Bug
Cob Borer
Fall Army Worm
Wilting
Fruit Borer
Thrips & Mites
Lack of knowledge about ICM practice in Brinjal
Lack of knowledge about IPM for DBM in cabbage
Lack of knowledge about IPM for Thrips & mites in chilli
Distress sale of Tomato in rabi season
Lack of information & knowledge for suitable planting time, for better marketing


PROBLEM IDENTIFICATION (HOME SCIENCE)
K.V.K. NAYAGARH
HOME SCIENCE
MUSHROOM
HONEY BEE
MARIGOLD
NUTRITIONAL GARDENING
Low yield
Low Income
FLD
OFT
Training


PROBLEM IDENTIFICATION (FISHERY)
FISHERY
POOR PRODUCTION
POOR GROWTH RATE
FISH MORTALITY
DISEASES LIKE EUS, ARGULUS
LOW PRODUCTIVITY
NON AVAILABILITY OF FISH SEED
NO FISH SEED HATCHERY
ACTION POINTS


FARM MECHANIZATION
BLOCKS
Garia
Nuagaon
Dasapalla
Rahapur
Nayagaon
Odagaon
Khandapada
Ranapur
Tomato
Cabbage
Chilli
Brinjal
Okra
Paddy
Vegetables
Pulses
Cereals
Oilseed
Maize
Ragi
Groundnut
Mustard
Sugarcane
Planting
Weeding
Transplanting
Threshing
Harvesting
Drying
Plucking
Bunding
Broadcast
INTERVENTION


ANIMAL HUSBANDRY
PROBLEM IDENTIFICATION, PRIROTISATION & ROOT CAUSE ANALYSIS
Assessment of heat tolerant variety for better production in backyard system
Lack of heat tolerant birds under backyard system in summer season
• Low annual egg production from desi bird
• Slow body weight gain in desi bird
• Moderate mortality of adult birds during summer season
POULTRY
ANIMAL HUSBANDRY
DIARY
Non availability of pasture Land
Decreasing Grazing Land
DUCKERY
Lack of adaptability of duckery due to non availability of farm pond of small & marginal farmer
Lack of Scientific knowledge on duckery farming in backyard
Demonstration on duckery in polythin pond


PROBLEM IDENTIFICATION OF FORESTRY BY K.V.K. NAYAGARH
Dt. 18/5/2020
K.V.K. Nayagarh
(SSH Chamber)
Problems
Cause.
FORESTRY
Unutilized bunds around field
Loss of wood for fuel by villagers
No proper utilization of interspaces in the forest areas.
No homestead forestry
No Nursery mgmt.
Lack of knowledge about MFP
Traditional way of living of forest dwellers.
FLD Prog.
Training Prog.
Training