

**REVISED PROFORMA FOR ACTION PLAN 2019-2020**

**1. Name of the KVK:** KVK, Katihar

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

**(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
Nursery Management	Nursery Management of Paddy	1	2	On/Off	03-04.06.2019	7	1	1	4	9	3	17	8	25
Cropping system	Management of Rice-wheat /maize cropping system	1	1	On/Off	06.04.2019	9	1	1	4	8	2	18	7	25
ICM	Agronomic management practices of Jute	1	2	On/Off	08-09.05.2019	7	2	1	4	8	3	16	9	25
Crop diversification	Diversification of Rice-Wheat Cropping system	1	1	On/Off	28.05.2019	9	1	1	4	8	2	18	7	25
Resource conservation Technology	Cultivation of Direct Seeded Rice	1	2	On/Off	03-04.06.2019	7	2	1	4	8	3	16	9	25
Weed management	Weed management in Kharif Crops	1	2	On/Off	04-05.07.2019	8	2	1	4	8	2	17	8	25
Water Management	Water management in Paddy	1	1	On/Off	08.08.2019	7	2	1	4	8	3	16	9	25
Seed Production	Seed Production of Wheat	1	2	On/Off	19-20.08.2019	8	1	1	4	9	2	18	7	25
Weed management	Weed management in Rabi crops	1	1	On/Off	22.10.2019	7	1	1	4	10	2	18	7	25

ICM	Scientific Cultivation of Rabi pulses	1	2	On/Of f	24-25.10.2019	9	1	1	4	8	2	18	7	25
Fodder management Production	Scientific Cultivation of fodder	1	1	On/Of f	12.11.2019	8	2	1	4	8	2	17	8	25
Integrated crop Management	Agronomic management practices of Boro Paddy	1	1	On/Of f	04.02.2020	7	2	1	4	9	2	17	8	25
Weed Management	Weed Management on Boro Rice	1	1	On/Of f	05.03.2020	9	1	1	4	8	2	18	7	25
Integrated farming	Development integrated farming practices	1	2	On/Of f	07-08.03.2020	8	2	1	4	8	2	17	8	25
Nursery Management	Nursery Management of Paddy	1	2	On/Of f	15-16.01.2020	7	1	1	4	9	3	17	8	25
Resource conservation Technology	Cultivation of Wheat by zero tillage	1	2	On/Of f	28-29.11.2019	7	2	1	4	8	3	16	9	25
Cropping system	Management of Rice-wheat /maize cropping system	1	2	On/Of f	12-13.12.2019	9	1	1	4	8	2	18	7	25
Crop diversification	Diversification of Rice-Wheat Cropping system	1	2	On/Of f	10-11.11.2019	9	1	1	4	8	2	18	7	25
Integrated farming	Development integrated farming practices	1	2	On/Of f	28-29.08.2019	8	2	1	4	8	2	17	8	25
Water Management	Water management in Wheat	1	1	On/Of f	06.12.2019	7	2	1	4	8	3	16	9	25
Seed Production	Seed Production of Paddy	1	1	On/Of f	30.07.2019	8	1	1	4	9	2	18	7	25
Fodder management	Scientific Cultivation of fodder	1	1	On/Of f	23.10.2019	8	2	1	4	8	2	17	8	25
Income Generation	Preparation of potato chips, badi and papad	1	2	On/Of f	2-3.05.2019	0	3	0	2	0	2	0	25	25
Income Generation	Preparation of potato chips, badi and papad	1	2	On/Of f	26.06.2019	0	3	0	2	0	2	0	25	25
Capacity building	Nutritional Practices in Dietary pattern women & Children	1	2	On/Of f	08-09.07.2019	0	3	0	2	0	2	0	25	25

Capacity building	Nutritional Practices in Dietary pattern women & Children	1	2	On/Off	04-05.11.2019	0	3	0	2	0	20	0	25	25
Gender mainstreaming	Gender mainstreaming and formation of SHGs	1	2	OFF	04-05.07.2019	0	2	0	3	0	20	0	25	25
Gender mainstreaming	Gender mainstreaming and formation of SHGs	1	2	OFF	20-21.08.2019	0	2	0	3	0	20	0	25	25
Rural Crafts	Cutting and stitching of garment and embroidery works/ Tie Die and Textile design	1	2	On/Off	24-25.07.2019	0	3	0	2	0	20	0	25	25
Rural Crafts	Cutting and stitching of garment and embroidery works/ Tie Die and Textile design	1	2	On/Off	26-27.09.2019	0	3	0	2	0	20	0	25	25
Drudgery reduction	Location specific drudgery reduction technologies in Agriculture	1	2	On/Off	30-31.05.2019	0	3	0	2	0	20	0	25	25
Drudgery reduction	Location specific drudgery reduction technologies in Agriculture	1	2	On/Off	03-04.06.2019	0	3	0	2	0	20	0	25	25
Drudgery reduction	Location specific drudgery reduction technologies in Agriculture	1	2	On/Off	25-26.11.2019	0	3	0	2	0	20	0	25	25
Value addition	Preservation of seasonal fruits pineapple and others	1	2	On/Off	24-25.06.2019	0	2	0	3	0	20	0	25	25
Value addition	Preservation of seasonal fruits pineapple and others	1	2	On/Off	4-5.11.2019	0	2	0	3	0	20	0	25	25
Women and child care	Importance and use of balanced	1	2	On/Off	13-14.06.2019	0	3	0	2	0	20	0	25	25

	diet for children and women.				9									
Women and child care	Importance and use of balanced diet for children and women.	1	2	On/Of f	26-27.09.2019	0	3	0	2	0	20	0	25	25
Minimization of nutrient loss in processing	Preparation of energy efficient diet	1	2	On/Of f	20-21.06.2019	0	3	0	2	0	20	0	25	25
Minimization of nutrient loss in processing	Preparation of energy efficient diet	1	2	On/Of f	18-19.11.2019	0	3	0	2	0	20	0	25	25
Enterprise development	Enterprise development through Mushroom cultivation	1	2	On	03-04.07.2019	0	3	0	2	0	20	0	25	25
Enterprise development	Enterprise development through Mushroom cultivation	1	2	Off	07-08.11.2019	0	3	0	2	0	20	0	25	25
Household food security by kitchen gardening	Importance of Nutritional Kitchen gardening and management	1	2	On/Of f	21-21.05.2019	0	3	0	2	0	20	0	25	25
Household food security by kitchen gardening	Importance of Nutritional Kitchen gardening and management	1	2	On/Of f	16-17.10.2019	0	3	0	2	0	20	0	25	25
Designing and development for high nutrient efficiency diet	Preparation of weaning food for better child growth	1	2	On/Of f	5-6.08.2019	0	3	0	2	0	20	0	25	25
Designing and development for high nutrient efficiency diet	Preparation of weaning food for better child growth	1	2	On/Of f	24-25.07.2019	0	3	0	2	0	20	0	25	25
Drudgery Reduction	Introducing of farm implements & modern smokeless chulha	1	2	On/Of f	16-17.07.2019	0	3	0	2	0	20	0	25	25
Drudgery Reduction	Introducing of farm implements & modern smokeless chulha	1	2	On/Of f	18-19.09.2019	0	3	0	2	0	20	0	25	25
Mushroom Cultivation	Mushroom cultivation and	1	2	On/Of f	27-28.08.2019	0	3	0	2	0	20	0	25	25

	its importance				9									
Mushroom Cultivation	Mushroom cultivation and its importance	1	2	On/Of f	24-25.09.2019	0	3	0	2	0	20	0	25	25
Value addition	Preservation of seasonal location based vegetables	1	2	On/Of f	12-13.09.2019	0	3	0	2	0	20	0	25	25
Value addition	Preservation of seasonal location based vegetables	1	2	On/Of f	10-11.12.2019	0	3	0	2	0	20	0	25	25
Design and development of low cost diet	Preparation of weaning food for better child and mother growth	1	2	On/Of f	18-19.07.2019	0	3	0	2	0	20	0	25	25
Design and development of low cost diet	Preparation of weaning food for better child and mother growth	1	2	On/Of f	10-11.12.2019	0	3	0	2	0	20	0	25	25
Women and child care	Importance and use of balanced diet for childrens and women.	1	2	On/Of f	2-3.05.2019	0	3	0	2	0	20	0	25	25
Women and child care	Importance and use of balanced diet for childrens and women.	1	2	On/Of f	03-04.09.2019	0	3	0	2	0	20	0	25	25
Nursery Raising	Nursery raising and seed production of vegetable crops	1	1	On/Of f	18.04.2019	3	0	2	0	20	0	25	0	25
Training and Pruning	Training & pruning of Horticultural crop	1	2	On/Of f	14-15.05.2019	3	0	2	0	20	0	25	0	25
INM	INM in Fruit & vegetable crops	1	1	On/Of f	22.05.2019	2	0	3	0	20	0	25	0	25
Export potential Vegetable	Scientific Cultivation of Broccole and Sproufig	1	1	On/Of f	12.06.2019	3	0	2	0	20	0	25	0	25
Plant Propagation	Different methods of propagation fruit	1	2	On/Of f	8-9.07.2019	3	0	2	0	20	0	25	0	25
Layout and Management of Orchard	Establishment and management of new Orchard.	1	2	On/Of f	23-24.07.2019	3	0	2	0	20	0	25	0	25
Protected cultivation	Cultivation of Vegetable under shed net and	1	1	On/Of f	14.08.2019	2	0	3	0	20	0	25	0	25

	poly tunnel.													
Cultivation of Vegetable	Scientific Cultivation of Brinjal and Bhindi	1	1	On/Of f	16.08.2019	3	0	2	0	20	0	25	0	25
Enterprise development	enterprise development of vegetables	1	1	On/Of f	03.09.2019	3	0	2	0	20	0	25	0	25
Cultivation of Fruits	Scientific cultivation of Tomato	1	1	On/Of f	05.09.2019	5	0	0	0	20	0	25	0	25
Production Technology	Production and management for Medicinal, aromatic plants.	1	1	On/Of f	11.09.2019	3	0	2	0	20	0	25	0	25
Production & management technology	Seed production techniques of potato	1	1	On/Of f	13.09.2019	3	0	2	0	20	0	25	0	25
Yield increment production	Scientific Cultivation of Cauliflower and Cabbage.	1	1	On/Of f	18.09.2019	3	0	2	0	20	0	25	0	25
Low volume high value crop	Cultivation of flower for income generation	1	1	On/Of f	14.10.2019	3	0	2	0	20	0	25	0	25
Nursery Raising	Nursery raising for summer vegetable	1	1	On/Of f	18.10.2019	3	0	2	0	20	0	25	0	25
Production and management technology	Scientific cultivation of garlic and spices crops	1	1	On/Of f	22.10.2019	5	0	0	0	20	0	25	0	25
Water Management	Water Management in summer vegetable	1	2	On/Of f	4-5.11.2019	5	0	0	0	20	0	25	0	25
Production and management technology	Scientific cultivation of plantation crop	1	1	On/Of f	03.12.2019	5	0	0	0	20	0	25	0	25
Nursery Management	Scientific cultivation of Merigold	1	1	On/Of f	15.01.2020	5	0	0	0	20	0	25	0	25
Production & Management technology	Scientific Cultivation of Elephant crop	1	1	On/Of f	19.02.2020	5	0	0	0	20	0	25	0	25
Management of potted plant	Cultivation of Rose, crysanthemum	1	1	On/Of f	17.03.2020	5	0	0	0	20	0	25	0	25
Soil and water testing	Methods of soil sampling and	1	1	ON/OF F	29.04.19	8	2	2	0	14	0	24	2	26

	analysis													
Production and use of organic inputs	Methods of Bio fertilizer production and its use	1	2	ON/OF F	2-3.05.19	8	2	1	4	8	2	17	8	25
Soil and water conservation	Methods of soil and water conservation and its uses	1	2	ON/OF F	06-07.06.19	9	1	1	4	8	2	18	7	25
Soil fertility management	Fertilizer management in Paddy	1	1	ON/OF F	10.07.19	9	1	1	4	8	2	18	7	25
INM	INM in Paddy	1		ON/OF F	02.08.19	9	1	1	4	8	2	18	7	25
Micro nutrient deficiency in crops	Micro nutrient deficiency symptoms and its management in crops	1	1	ON/OF F	04.09.19	8	2	1	4	8	2	17	8	25
Nutrient use efficiency	Soil & Crop management practices to increase NUE	1	1	ON/OF F	25.09.19	8	2	1	4	8	2	17	8	25
INM	INM in Maize	1		ON/OF F	15.10.19	9	1	1	4	8	2	18	7	25
Management of Problematic soil	Management of Acidic and Water logged soil	1	2	ON/OF F	06-07.11.19	9	1	2	3	8	2	19	6	25
Organic farming	To develop knowledge and understanding of organic farming	1	2	ON/OF F	03-04.12.19	9	1	2	3	8	2	19	6	25
Soil fertility Management	Fertilizer management in Boro paddy	1	1	ON/OF F	11.12.19	8	2	1	4	8	2	17	8	25
Nutrient use efficiency	Method of increasing Nutrient use efficiency	1	1	ON/OF F	16.03.2020	9	1	2	6	8	2	16	6	25
Group Dynamics	Formation and management of SHGs/JIGS	1	02	On/Of f	25-26.04.2019	8	2	1	4	8	2	17	8	25
Group Dynamics	Establishment and strengthening of Farmers Club	1	01	On/Of f	03.05.2019	9	1	1	4	8	2	18	7	25
Leadership development	Leadership development for technology	1	02	On/Of f	15-16.05.2019	8	2	1	4	8	2	17	8	25

	dissemination													
Group Dynamics	Formation and management of SHGs/JIGS	1	03	On/Of f	13-15.06.2018	9	1	1	4	8	2	18	7	25
PRA	Agro ecosystem analysis of adopted village	1	02	On/Of f	10-11.07.2019	8	2	1	4	8	2	17	8	25
Group Dynamics	Formation and Management of SHGs/JIGS	1	01	On/Of f	26.07.2018	9	1	1	4	8	2	18	7	25
Mobilization of social capital	Income generation activities among group members	1	02	On/Of f	08-09.08.2019	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	1	03	On/Of f	28-30.08.2019	9	1	1	4	8	2	18	7	25
WTO and IPR issues	Awareness and use of market intelligence	1	01	On/Of f	04.09.2019	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	1	03	On/Of f	19-21.09.2019	9	1	1	4	8	2	18	7	25
Leadership development	Leadership development for technology dissemination	1	02	On/Of f	16-17.10.2019	8	2	1	4	8	2	17	8	25
Production technologies	Productivity enhancement of field crops	1	03	On/Of f	21-23.11.2019	8	2	1	4	8	2	17	8	25
Group Dynamics	Formation and management of SHGs/JIGS	1	02	On/Of f	16-17.01.2020	9	1	1	4	8	2	18	7	25
Group Dynamics	Formation and Management of SHGs/JIGS	1	02	On/Of f	18-19.02.2020	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	1	03	On/Of f	04-06.03.2019	9	1	1	4	8	2	18	7	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
Crop diversification	Diversification of Rice Wheat Cropping system	1	04	On/Off	30.04-01.05.2019	7	2	1	4	8	3	16	9	25
Seed production	Seed Production of Paddy	1	04	On/Off	12-15.06.2019	7	2	1	4	8	3	16	9	25
Seed production	Seed Production of wheat	1	04	On/Off	14-17.10.2019	7	2	1	4	8	3	16	9	25
Integrated farming System	Integrated farming System	1	04	On/Off	13-16.11.2019	7	2	1	4	8	3	16	9	25
Integrated farming System	Integrated farming System	1	04	On/Off	17-10.01.2020	7	2	1	4	8	3	16	9	25
Post Harvest Technology	Preparation of potato chips, papar and other products	1	3	On/Off	22-24.05.2019		3		2		20	0	25	25
Rural Craft	Tie, dye &Fabric painting &cloth designing	1	3	On/Off	10-12.07.2019		3		2		20	0	25	25
Value Addition	Preservation of seasonal fruits	1	3	On/Off	26-28.06.2019		3		2		20	0	25	25
Tailoring and Stitching	Cutting,, stitching and embroidery of women garments	1	3	On/Off	28-30.08.2019		3		2		20	0	25	25
Mushroom Production	Mushroom cultivation for income generation	1	3	On/Off	08-10.02.2020		3		2		20	0	25	25
Rural Craft	Production of decorative items from locally available materials	1	3	On/Off	29-31.07.2019		3		2		20	0	25	25
Value Addition	Preservation of seasonal vegetables	1	3	On/Off	19-21.06.2019		3		2		20	0	25	25

House Hold Food Security	Importance of nutritional kitchen gardening and its management.	1	3	On/Off	23-25.10.2019		3		2	2	0	0	2	2
Mushroom Production	Different mushroom type, production procedures, and Mushroom products	1	3	On/Off	19-21.11.2019		3		2	2	0	0	2	2
Commercial fruit production	Scientific Cultivation of elephant fruit	1	1	On/Off	11.04.2019	3	1	1	0	2	0	24	1	2
Commercial fruit production	Production, care and Management of Banana	1	2	On/Off	21-22.05.2019	3	1	1	0	2	0	24	1	2
Nursery Management of Horticultural Crop	Nursery management of vegetable crop and poly tunnel technology	1	2	On/Off	18-19.06.2019	3	1	2	1	2	0	25	2	2
Planting Material Production	Plant Propagation techniques of fruit crops	1	2	On/Off	10-11.07.2019	3	1	1	0	2	0	24	1	2
Protected cultivation of Vegetable	Protected cultivation of vegetable crops and Simla Mirch	1	1	On/Off	06.08.2019	3	1	2	0	2	0	25	1	2
Seed Production	Seed Production of vegetables	1	1	On/Off	16.09.2019	3	1	2	0	2	0	25	1	2
Training and pruning of orchards	Training and pruning of orchards	1	2	On/Off	16-17.10.2019	3	1	2	0	2	0	25	1	2
Value Addition	Value Addition of Vegetable Crops	1	1	On/Off	17.11.2019	3	1	2	0	2	0	25	1	2
Vermiculture	Vermi composting for income generation	1	05	ON/OFF	24-27.04.2019	7	2	1	4	8	3	16	9	2
Production of organic inputs	Organic manures	1	05	ON/OFF	10-14.06.19	9	1	1	4	8	2	18	7	2

	production techniques														
Vermi-culture	Vermi-compost production and marketing	1	5	ON/OFF	15-19.07.2019	7	2	1	4	8	3	16	9	25	
Production of organic inputs	Bio-fertilizer production marketing	1	5	ON/OFF	16-20.09.2019	9	1	1	4	8	2	18	7	25	
Vermi-culture	Vermi-compost and allied production technique and its marketing	1	5	ON/OFF	18-22.11.19	7	2	1	4	8	3	16	9	25	
Production of organic inputs	Bio-fertilizer production and marketing	1	5	ON/OFF	20-24.01.2020	9	1	1	4	8	2	18	7	25	
Production of organic inputs	Organic manures production techniques	1	5	ON/OFF	03.-07.02.2020	9	1	1	4	8	2	18	7	25	
Entrepreneurial development of farmers/ youths	Entrepreneurship Development through poultry	1	04	On/Off	07-10.05.2019	9	1	1	4	8	2	18	7	25	
Entrepreneurial development of farmers/ youths	Entrepreneurship Development through fisheries	1	04	On/Off	26-29.06.2019	8	2	1	4	8	2	17	8	25	
Entrepreneurial development of farmers/ youths	Entrepreneurship Development through dairy	1	04	On/Off	16-19.07.2019	9	1	1	4	8	2	18	7	25	
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Beekeeping	1	04	On/Off	18-21.09.2019	8	2	1	4	8	2	17	8	25	
Entrepreneurial development of farmers/ youths	Entrepreneurship Development through Beekeeping	1	04	On/Off	22-25.10.2019	8	2	1	4	8	2	17	8	25	

Entrepreneurial development of farmers/youths	Entrepreneurship Development through Poultry	1	04	On/Off	10-13.12.2019	9	1	1	4	8	2	18	7	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through fisheries	1	04	On/Off	7-10.02.2020	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Poultry	1	04	On/Off	15-19.03.2020	9	1	1	4	8	2	18	7	25

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Productivity enhancement in field crops	Agronomic Management practices of Jute crops	1	02	On/Off	02-03.07.2019	7	2	1	4	11	5	19	11	30
Productivity enhancement in field crops	Agronomic Management practices of paddy	1	02	On/Off	04-06.08.2019	7	2	1	4	11	5	19	11	30
Productivity enhancement in field crops	Agronomic Management practices of Wheat	1	02	On/Off	04-06.11.2019	7	2	1	4	11	5	19	11	30
Integrated farming system	Integrated farming system	1	02	On/Off	03-04.12.2019	7	2	1	4	11	5	19	11	30
Household food security	Nutritional backyard kitchen gardening.	1	2	On/Off	30-31.11.2019		3		2		20	0	25	25
Gender mainstreaming	Entrepreneurship development and women empowerment	1	2	On/Off	01-02.08.2019		3		2		20	0	25	25

Women and Child Care	Women and Child Care Practices	1	2	On/Off	25-26.06.2019		3		2		2	0	2	5				
Rejuvenation of old orchard	Proper care and management of fruit Orchard	1	1	On/Off	08.04.2019	0	1	2	0	2	2	0	2	4	1	2	5	
INM	INM in Bhindi	1	1	On/Off	19.06.2019	2	1	2	0	2	0	0	2	4	1	2	5	
Protected cultivation	Protected cultivation of Tomato, Simla mirch	1	1	On/Off	20.09.2019	7	2	1	4	1	1	5	1	9	1	1	3	0
Protected cultivation	Protected cultivation of cucumber, garden pea	1	1	On/Off	23.10.2019	3	1	2	0	2	0	0	2	5	1	2	6	
Rejuvenation of old orchard	Proper care and management of fruit Orchard	1	1	On/Off	05.12.2019	3	1	2	0	2	0	0	2	5	1	2	6	
Soil and Water Testing	Methods of soil sampling and analysis	1	1	ON/OFF	30.05.2019	7	2	1	4	1	1	5	1	9	1	1	3	0
INM	INM in crops and cropping system	1	1	ON/OFF	20.08.2019	7	2	1	4	1	1	5	1	9	1	1	3	0
INM	Green manuring and use of bio fertilizer	1	1	ON/OFF	13.12.2019	8	2	1	4	1	1	4	2	0	1	0	3	0
Production and use of organic inputs	Methods of vermi compost Production and its use in crops	1	1	ON/OFF	17.02.2020	8	2	1	4	1	1	4	2	0	1	0	3	0
Gender mainstreaming through SHGs	Formation and Management of kisan club and SHGs and JLGS	1	01	On/Off	31.05.2019	7	2	1	4	1	1	5	1	9	1	1	3	0
Leadership development	Leadership development for Agro tech dissemination	1	01	On/Off	12.09.2019	8	2	1	4	1	1	4	2	0	1	0	3	0
Information networking among farmers	ICT practices for information and networking among farmers	1	01	On/Off	27.12.2019	7	2	1	4	1	1	5	1	9	1	1	3	0
Capacity building for ICT	Capacity building for ICT application	1	01	On/Off	28.02.2020	8	2	1	4	1	1	4	2	0	1	0	3	0

application														
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## 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			
<b>I. Crop Production</b>													
Weed Management	03	26	6	32	24	4	28	3	12	15	53	22	75
Resource Conservation Technologies	02	16	6	22	14	4	18	2	8	10	32	18	50
Cropping Systems	02	16	4	20	18	2	20	2	8	10	36	14	50
Crop Diversification	02	16	4	20	18	2	20	2	8	10	36	14	50
Integrated Farming	02	16	4	20	16	4	20	2	8	10	34	16	50
Water management	02	16	6	22	14	4	18	2	8	10	32	18	50
Seed production	02	18	4	22	16	2	18	2	8	10	36	14	50
Nursery management	02	18	6	24	14	2	16	2	8	10	34	16	50
Integrated Crop Management	03	25	7	32	23	5	28	3	12	15	51	24	75
Fodder production	02	16	4	20	16	4	20	2	8	10	34	16	50
Production of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, (cultivation of crops )	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>22</b>	<b>183</b>	<b>51</b>	<b>234</b>	<b>173</b>	<b>33</b>	<b>206</b>	<b>22</b>	<b>88</b>	<b>110</b>	<b>378</b>	<b>172</b>	<b>550</b>
<b>II. Horticulture</b>													
<b>a) Vegetable Crops</b>													
Integrated nutrient management	01	20	00	20	02	00	02	03	00	03	25	00	25
Water management	01	20	00	20	05	00	05	00	00	00	25	00	25
Enterprise development	01	20	00	20	02	00	02	03	00	03	25	00	25
Skill development	00	00	00	00	00	00	00	00	00	00	00	00	00
Yield increment	01	20	00	20	02	00	02	03	00	03	25	00	25
Production of low volume and high value crops	01	20	00	20	02	00	02	03	00	03	25	00	25
Off-season vegetables	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery raising	02	40	00	40	04	00	04	06	00	06	50	00	50
Exotic vegetables like Broccoli	01	20	00	20	02	00	02	03	00	03	25	00	25
Export potential vegetables	00	00	00	00	00	00	00	00	00	00	00	00	00
Grading and standardization	00	00	00	00	00	00	00	00	00	00	00	00	00
Protective cultivation (Green Houses, Shade Net etc.)	01	20	00	20	02	00	02	03	00	03	25	00	25
Others, if any	01	20	00	20	02	00	02	03	00	03	25	00	25
<b>TOTAL</b>	<b>10</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>23</b>	<b>0</b>	<b>23</b>	<b>27</b>	<b>0</b>	<b>27</b>	<b>250</b>	<b>0</b>	<b>250</b>
<b>b) Fruits</b>													
Training and Pruning	01	20	00	20	02	00	02	03	00	03	25	00	25
Layout and Management of Orchards	01	20	00	20	02	00	02	03	00	03	25	00	25
Cultivation of Fruit	01	20	00	20	05	00	05	00	00	00	25	00	25
Management of young plants/orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Rejuvenation of old orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Export potential fruits	00	00	00	00	00	00	00	00	00	00	00	00	00
Micro irrigation systems of	00	00	00	00	00	00	00	00	00	00	00	00	00

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			
orchards													
Plant propagation techniques	01	20	00	20	05	00	05	00	00	00	25	00	25
Others, if any(INM)	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>4</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>c) Ornamental Plants</b>													
Nursery Management	01	20	00	20	02	00	02	03	00	03	25	00	25
Management of potted plants	01	20	00	20	02	00	02	03	00	03	25	00	25
Export potential of ornamental plants	00	00	00	00	00	00	00	00	00	00	00	00	00
Propagation techniques of Ornamental Plants	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>2</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>50</b>	<b>0</b>	<b>50</b>
<b>d) Plantation crops</b>													
Production and Management technology	01	20	00	20	02	00	02	03	00	03	25	00	25
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>e) Tuber crops</b>													
Production and Management technology	02	40	00	40	04	00	04	06	00	06	50	00	50
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>2</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>50</b>	<b>0</b>	<b>50</b>
<b>f) Spices</b>													
Production and Management technology	01	20	00	20	02	00	02	03	00	03	25	00	25
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>g) Medicinal and Aromatic Plants</b>													
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Production and management technology	01	20	00	20	02	00	02	03	00	03	25	00	25
Post harvest technology and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>25</b>	<b>0</b>	<b>25</b>
<b>III. Soil Health and Fertility Management</b>													
Soil fertility management	02	16	04	20	17	03	20	02	08	10	35	15	50
Soil and Water Conservation	01	08	02	10	09	01	10	01	04	05	18	07	25
Integrated Nutrient Management	02	16	04	20	18	02	20	02	08	10	36	14	50
Production and use of organic inputs	01	08	02	10	09	01	10	01	04	05	18	07	25
Management of Problematic soils	01	08	02	10	09	01	10	02	03	05	19	06	25



Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Micro nutrient deficiency in crops	01	08	02	10	08	02	10	01	04	05	17	08	25
Nutrient Use Efficiency	02	16	04	20	17	03	20	03	07	10	36	14	50
Soil and Water Testing	01	14	00	14	08	00	8	03	00	03	25	00	25
Others, if any	01	08	02	10	09	01	10	02	03	05	19	06	25
<b>TOTAL</b>	<b>12</b>	<b>102</b>	<b>22</b>	<b>124</b>	<b>104</b>	<b>14</b>	<b>118</b>	<b>17</b>	<b>41</b>	<b>58</b>	<b>223</b>	<b>77</b>	<b>300</b>
<b>IV. Livestock Production and Management</b>													
Dairy Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Poultry Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Piggery Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Rabbit Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Disease Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Feed management	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of quality animal products	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any (Goat farming)	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>
<b>V. Home Science/Women empowerment</b>													
Household food security by kitchen gardening and nutrition gardening	02	00	40	40	00	06	06	00	04	04	00	50	50
Design and development of low/minimum cost diet	02	00	40	40	00	06	06	00	04	04	00	50	50
Designing and development for high nutrient efficiency diet	02	00	40	40	00	06	06	00	04	04	00	50	50
Minimization of nutrient loss in processing	02	00	40	40	00	06	06	00	04	04	00	50	50
Gender mainstreaming through SHGs	02	00	40	40	00	06	06	00	04	04	00	50	50
Storage loss minimization techniques	00	00	00	00	00	00	00	00	00	00	00	00	00
Enterprise development	02	00	40	40	00	06	06	00	04	04	00	50	50
Value addition	04	00	80	80	00	12	12	00	08	08	00	100	100
Income generation activities for empowerment of rural Women	02	00	40	40	00	06	06	00	04	04	00	50	50
Location specific drudgery reduction technologies	05	00	100	100	00	15	15	00	10	10	00	125	125
Rural Crafts	02	00	40	40	00	06	06	00	04	04	00	50	50
Capacity building	02	00	40	40	00	06	06	00	04	04	00	50	50
Women and child care	04	00	80	80	00	12	12	00	08	08	00	100	100
Others, if any	02	00	40	40	00	06	06	00	04	04	00	50	50
<b>TOTAL</b>	<b>33</b>	<b>00</b>	<b>660</b>	<b>660</b>	<b>00</b>	<b>99</b>	<b>99</b>	<b>00</b>	<b>66</b>	<b>66</b>	<b>00</b>	<b>825</b>	<b>825</b>
<b>VI. Agril. Engineering</b>													
Installation and maintenance of micro irrigation systems	00	00	00	00	00	00	00	00	00	00	00	00	00
Use of Plastics in farming practices	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of small tools and	00	00	00	00	00	00	00	00	00	00	00	00	00

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			
implements													
Repair and maintenance of farm machinery and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Small scale processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Post Harvest Technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>VII. Plant Protection</b>													
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Disease Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-control of pests and diseases	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of bio control agents and bio pesticides	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>VIII. Fisheries</b>													
Integrated fish farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp breeding and hatchery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp fry and fingerling rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Composite fish culture & fish disease	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	00	00	00	00	00	00	00	00	00	00	00	00	00
Hatchery management and culture of freshwater prawn	00	00	00	00	00	00	00	00	00	00	00	00	00
Breeding and culture of ornamental fishes	00	00	00	00	00	00	00	00	00	00	00	00	00
Portable plastic carp hatchery	00	00	00	00	00	00	00	00	00	00	00	00	00
Pen culture of fish and prawn	00	00	00	00	00	00	00	00	00	00	00	00	00
Shrimp farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Edible oyster farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Pearl culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>IX. Production of Inputs at site</b>													
Seed Production	00	00	00	00	00	00	00	00	00	00	00	00	00
Planting material production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-agents production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-pesticides production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-fertilizer production	00	00	00	00	00	00	00	00	00	00	00	00	00
Vermi-compost production	00	00	00	00	00	00	00	00	00	00	00	00	00
Organic manures production	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of fry and fingerlings	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Bee-colonies and	00	00	00	00	00	00	00	00	00	00	00	00	00

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			
wax sheets													
Small tools and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of livestock feed and fodder	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Fish feed	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>
<b>X. Capacity Building and Group Dynamics</b>													
Leadership development	2	16	4	20	16	04	20	2	8	10	34	16	50
Group dynamics	6	48	12	60	48	12	60	06	24	30	102	48	150
Formation and Management of SHGs	0	00	00	00	00	00	00	00	0	0	0	0	0
Mobilization of social capital	01	08	02	10	08	02	10	01	04	05	17	08	25
Entrepreneurial development of farmers/youths	03	24	06	20	24	06	30	03	12	15	51	24	75
WTO and IPR issues	01	8	2	10	08	02	10	01	04	05	17	08	25
Others, if any	01	08	02	10	08	02	10	01	04	05	17	08	25
<b>TOTAL</b>	<b>14</b>	<b>112</b>	<b>28</b>	<b>130</b>	<b>112</b>	<b>28</b>	<b>140</b>	<b>14</b>	<b>56</b>	<b>70</b>	<b>238</b>	<b>112</b>	<b>350</b>
<b>XI Agro-forestry</b>													
Production technologies	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Farming Systems	00	00	00	00	00	00	00	00	00	00	00	00	00
<b>TOTAL</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>
<b>XII. Others (Pl. Specify)</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>00</b>
<b>TOTAL</b>	<b>102</b>	<b>817</b>	<b>761</b>	<b>1568</b>	<b>440</b>	<b>174</b>	<b>614</b>	<b>107</b>	<b>251</b>	<b>358</b>	<b>1364</b>	<b>1186</b>	<b>2550</b>

## 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	02	00	40	40	00	06	06	00	04	04	00	50	50
Bee-keeping	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated farming	02	16	06	22	14	4	18	2	8	10	32	18	50
Seed production	03	36	06	42	17	05	21	04	08	12	57	19	76
Production of organic inputs	04	32	08	40	36	4	40	04	16	20	72	28	100
Planting material production	01	20	00	20	03	01	04	01	00	01	24	01	25
Vermi-culture	03	24	9	33	21	6	27	03	12	15	48	27	75
Sericulture	00	00	00	00	00	00	00	00	00	00	00	00	00
Protected cultivation of vegetable crops	01	20	00	20	03	01	04	02	00	02	25	01	26
Commercial fruit production	02	40	00	40	06	02	08	02	00	02	48	02	50
Repair and maintenance of farm machinery and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery Management of Horticulture crops	01	20	00	20	03	01	04	02	01	03	25	02	27
Training and pruning of orchards	01	20	00	20	03	01	04	02	00	02	25	01	26
Value addition	03	20	40	60	03	07	10	02	04	06	25	51	76
Production of quality animal products	00	00	00	00	00	00	00	00	00	00	00	00	00
Dairying	00	00	00	00	00	00	00	00	00	00	00	00	00
Sheep and goat rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Quail farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Piggery	00	00	00	00	00	00	00	00	00	00	00	00	00
Rabbit farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Poultry production	00	00	00	00	00	00	00	00	00	00	00	00	00
Ornamental fisheries	00	00	00	00	00	00	00	00	00	00	00	00	00
Para vets	00	00	00	00	00	00	00	00	00	00	00	00	00
Para extension workers	00	00	00	00	00	00	00	00	00	00	00	00	00
Composite fish culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Freshwater prawn culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Shrimp farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Pearl culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Cold water fisheries	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish harvest and processing technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Fry and fingerling rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Small scale processing	00	00	00	00	00	00	00	00	00	00	00	00	00
Post Harvest Technology	01	00	20	20	00	03	03	00	02	02	00	25	25
Tailoring and Stitching	01	00	20	20	00	03	03	00	02	02	00	25	25
Rural Crafts	02	00	40	40	00	06	06	00	04	04	00	50	50
Enterprise development	08	64	16	80	68	12	80	08	32	40	140	60	200
Others if any	02	08	23	31	07	05	12	01	06	07	16	34	50
<b>TOTAL</b>	<b>37</b>	<b>320</b>	<b>228</b>	<b>548</b>	<b>184</b>	<b>67</b>	<b>250</b>	<b>33</b>	<b>99</b>	<b>132</b>	<b>537</b>	<b>39</b>	<b>93</b>

## 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	03	33	15	48	21	06	27	03	12	15	62	28	90
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient management	03	42	09	51	17	05	22	04	08	12	53	22	85
Rejuvenation of old orchards	03	51	04	55	14	04	18	05	04	09	70	12	82
Value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Protected cultivation technology	02	31	05	36	10	03	13	03	04	07	44	12	56
Formation and Management of SHGs	01	11	5	16	7	2	9	1	4	5	19	11	30
Group Dynamics and farmers organization	00	00	00	00	00	00	00	00	00	00	00	00	00
Information networking among farmers	01	11	5	16	7	2	9	1	4	5	19	11	30
Capacity building for ICT application	01	11	4	15	8	2	10	1	4	5	20	10	30
Care and maintenance of farm machinery and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
WTO and IPR issues	00	00	00	00	00	00	00	00	00	00	00	00	00
Management in farm animals	00	00	00	00	00	00	00	00	00	00	00	00	00
Livestock feed and fodder production	00	00	00	00	00	00	00	00	00	00	00	00	00
Household food security	01	00	20	20	00	03	03	00	02	02	00	25	25
Women and Child care	01	00	20	20	00	03	03	00	02	02	00	25	25
Low cost and nutrient efficient diet designing	00	00	00	00	00	00	00	00	00	00	00	00	00
Production and use of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00
Gender mainstreaming through SHGs	02	11	25	36	07	05	12	01	06	07	19	36	55
Crop intensification													
Others if any	02	22	10	32	14	04	18	02	08	10	38	22	60
<b>TOTAL</b>	<b>20</b>	<b>223</b>	<b>122</b>	<b>345</b>	<b>105</b>	<b>39</b>	<b>144</b>	<b>21</b>	<b>58</b>	<b>79</b>	<b>354</b>	<b>214</b>	<b>568</b>

**Frontline demonstration to be conducted\***

**Crop:** Paddy  
**Thrust Area:** Development of need based efficient and profitable cropping system  
**Thematic Area:** ICM  
**Season:** Kharif  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Paddy / Sobour shree	4.0	seed	Grain Yield, B:C ratio	Seed			2	1	2	1	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	Scientific Cultivation of Paddy	1	PF	01	OFF	3	0	2	0	20	0	25	0	25
Field day	Agronomic Package of practices of Paddy crop	1	PF	01	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Wheat  
**Thrust Area:** Development of need based efficient and profitable cropping system  
**Thematic Area:** ICM  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Wheat / Sabour Shrashat	4.0	Seed	Grain Yield, B:C ratio	Seed			2	1	2	1	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	Scientific Cultivation of wheat	1	PF	01	OFF	3	0	2	0	20	0	25	0	25
Field day	Agronomic Package of practices of wheat crop	1	PF	01	OFF	6	0	4	0	40	0	50	0	50

### Frontline demonstration to be conducted\*

**Crop/ Enterprise :** Nutritional garden  
**Thrust Area:** Household food Security  
**Thematic Area:** Nutritional security  
**Season:** Kharif/ Rabi  
**Farming Situation:** Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1.	Nutritional garden	0.5 area	Seed, Micro nutrient kit	Yield, Longevity of the fruiting say (Durability)	Seed, Micro nutrient kit			0	0	0	0	1	0	1	0	1	2

### Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Importance of Nutritional Kitchen gardening and management	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
Field day	Assessment Nutritional gardening	01	PF	01	OFF	6	4	6	4	20	10	32	18	50



**Frontline demonstration to be conducted\***

**Crop:** Mushroom  
**Thrust Area:** Generating Activity  
**Thematic Area:** Income Generation  
**Season:** Rabi  
**Farming Situation:** Irrigated

S l. 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	150 unit	Spwan, Polythene bag, Bevistin, Rope,Etc.	Producjtion,	Spwan, Polythene bag, Bevistin, Rope,Etc.			-	3	0	2	0	10	0	15	15

**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	Mushroom cultivation and its importance	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
Field day	Assessment Mushroom	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Brinjal  
**Thrust Area:** Identification & Popularization of good quality vegetable seeds  
**Thematic Area:** Vegetable Production  
**Season:** Kharif  
**Farming Situation:** Vegetable-Vegetable

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration											
					Name of Inputs	Demo	Local	SC		ST		Other		Total					
								M	F	M	F	M	F	M	F	T			
1.	Brinjal & PH-6	01	10	Productivity	Seed	16,000	800												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 Cultivation of Brinjal	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
field day	Assessment of Brinjal Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Bottle gourd  
**Thrust Area:** Identification & Popularization of good quality vegetable seeds  
**Thematic Area:** Vegetable Production  
**Season:** Kharif  
**Farming Situation:** Vegetable-Vegetable

S l. N o.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration															
					Name of Inputs	Demo	Local	SC		ST		Other		Total									
								M	F	M	F	M	F	M	F	T							
1.	Bottle Bourd & Narendra Rashmi	01	10	Productivity	Seed	52000	20000																10

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Client ele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Scientific Cultivation of Bottle Bourd	01	PF	01	OFF	3	2	3	2	10	5	16	9	25	
field day	Assessment of Bottle Bourd Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50	

### Frontline demonstration to be conducted\*

**Crop:** Cauliflower  
**Thrust Area:** Identification & Popularization of good quality vegetable seeds  
**Thematic Area:** Vegetable Production  
**Season:** Rabi  
**Farming Situation:** Vegetable-Vegetable

S l. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonstr ation	Paramet er (Data) in relation to technolo gy demonst rated	Cost Cultivation (Rs.) of			No. of farmers / demonstration											
					Name of Input s	De mo	Loc al	SC		ST		Other		Total					
								M	F	M	F	M	F	M	F	T			
1.	Cauli flower	01	10	Producti vity	Seed	240 0	100 0												1 0

### Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clien tele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Scientific Cultivation of Cauli flower	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
field day	Assessment of Cauli flower Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop/ Enterprises:** Paddy/Bio-fertilizers

**Thrust Area:** Adoption of Integrated Nutrient Management for sustainable agriculture

**Thematic Area:** INM

**Season:** Kharif

**Farming Situation:** Paddy-Wheat/maize

S l. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonstr ation	Paramet er (Data) in relation to technolo gy demonst rated	Cost Cultivation (Rs.) of			No. of farmers / demonstration								
					Name of Inputs	De mo	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Paddy & Sobour Ardhjal / Bioferti lizers	04 ha	20	Plant height, Tillers, Grain Yield, Straw yield, B:C ratio	Seed			1	0	2	0	7	0	1 0	0	1 0
					Bio- fertiliz ers											

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Dura tion	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Impact of bio- fertilizers on paddy yield	1	PF	1	ON/OFF	3	2	3	2	15	5	21	9	30
Field Days	Asses the bio- fertilizers on paddy yield	1	PF	1	OFF	5	0	5	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Wheat/Bio-fertilizer  
**Thrust Area:** Adoption of Integrated Nutrient Management for sustainable agriculture  
**Thematic Area:** INM  
**Season:** Rabi  
**Farming Situation:** Paddy-Wheat/maize

S l. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonstr ation	Paramet er (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	De mo	Loc al	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1	Wheat & Sabour samarid hi / Bio- fertilize rs	04 ha	25	Plant height, Tillers, Grain Yield, Straw yield, B:C ratio	Seed			1	0	1	0	8	0	1	0	1	0
					Bio- fertiliz ers												

**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	Impact of bio- fertilizers on wheat yield	1	PF	1	ON/OFF	3	0	2	0	20	0	25	0	25
Field Days	Asses the bio- fertilizers on wheat yield	1	PF	1	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Sorghum  
**Thrust Area:** Emphasis on Fodder requirement  
**Thematic Area:** Fodder Production  
**Season:** Kharif  
**Farming Situation:** Paddy/Fodder-Maize/ Wheat

S l. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonstr ation	Paramet er (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Nam e of Inpu ts	Dem o	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Sorghu m / CSH- 24MF	10	Seed & Literature	Multi cut Yield, Leaf Stem Ratio, Toleranc e to Water Stress and Water Lodging Conditio n, Yield	Seed			05	0 0	0 5	0 5	1 0	00	2 0	0 5	2 5

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Client ele	Durati on	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Training on Fodder Production	01	PF	02	ON	3	0	2	0	20	0	25	0	25	
Field day	Crop Condition of Sorghum(CSH- 24MF)	02	PF	01	OFF	6	0	4	0	40	0	50	0	50	

### Frontline demonstration to be conducted\*

**Crop:** JUTE  
**Thrust Area:** Management of Jute, Banana and Makhana based cropping system  
**Thematic Area:** ICM  
**Season:** Zaid  
**Farming Situation:** Jute= Paddy

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.	Jute/ JRO-204	10	Seed	Fibre Yield,	Seed			0	0	0	0	0	0	1	1	2
								3	2	5	5	5	5	3	2	5

### Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on Jute Production	01	PF	02	ON	3	0	2	0	20	0	25	0	25
Field day	Crop Condition of Jute( JRO-204)	02	PF	01	OFF	6	0	4	0	40	0	50	0	50



## **On-farm trials to be conducted-01**

- i. Season:** Zaid
- ii. Title of the OFT:** Effect of different rows spacing on fibre yield of Jute.
- iii. Thematic Area:** ICM
- iv. Problem diagnosed:** Sowing of Jute seed by majority of farmers by broadcasting method restricts inter cultural operation which result in low fibre yield
- v. Important Cause:** low fibre yield of jute
- vi. Production system:** Jute-Maize/ Mustard
- vii. Micro farming system:** Irrigated
- viii. Technology for Testing:** Row spacing
- ix. Existing Practice:** Broadcasting
- x. Hypothesis:** Optimum Plant density
- xi. Objective(s):** Achieve Higher Fiber yield
- xii. Treatments:**
  - Farmers Practice (FP): Farmers Practice (Broadcasting of seed)
  - Technology option-I (TO-I): Seeds sown at 20cm
  - Technology option-II (TO-II): Seeds sown at 30cm
- xiii. Critical Inputs:** SEED
- xiv. Unit Size:** 0.10 ha
- xv. No of Replications:** 10
- xvi. Unit Cost:**
- xvii. Total Cost:**
- xviii. Monitoring Indicator:** Plant height, basal diameter, green weight, fiber weight, fiber yield, Gross return, Net return, BC ratio
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** JRS, Katihar

## On-farm trials to be conducted-02

- i. **Season:** Rabi
- ii. **Title of the OFT:** To assess the mitigation of heat stress in wheat through foliar application of potassium nitrate ( $\text{KNO}_3$ ).
- iii. **Thematic Area:** RCT
- iv. **Problem diagnosed:** Farmers are sowing wheat late in flood affected areas faces heat stress resulted in poor wheat yield.
- v. **Important Cause:** Heat stress
- vi. **Production system:** Paddy-Wheat/ Maize
- vii. **Micro farming system:** Irrigated
- viii. **Technology for Testing:** The mitigation of heat stress
- ix. **Existing Practice:** Farmers Practice ( No foliar spray of  $\text{KNO}_3$ )
- x. **Hypothesis:** Potassium nitrate may help in mitigation of heat stress in wheat
- xi. **Objective(s):** Higher Grain Yield
- xii. **Treatments:**
  - Farmers Practice (FP): Farmers Practice ( No foliar spray of  $\text{KNO}_3$ )
  - Technology option-I (TO-I): Foliar spray of 0.5 %  $\text{KMnO}_3$  at booting stage + foliar spray of 0.5 %  $\text{KNO}_3$  at anthesis stage
  - Technology option-II (TO-II): Foliar spray of 1.0 %  $\text{KNO}_3$  at anthesis stage
- xiii. **Critical Inputs:** Seed
- xiv. **Unit Size:** 0.10 ha
- xv. **No of Replications:** 10
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Gross return, Net return, BC ratio, Yield(q/ha), Cost of cultivation(Rs/ha), Gross return(Rs/ha), Net return(Rs/ha)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BAU, Sabour

### On-farm trials to be conducted-03

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of Oyster mushroom varieties for income generation.
- iii. **Thematic Area:** Entrepreneurship Development
- iv. **Problem diagnosed:** Low income of Oyster Mushroom variety pleuratus Sajor Kaju
- v. **Important Cause:** Its Products is more beneficial for low income group people
- vi. **Production system:** Income Generation
- vii. **Micro farming system:** Home Stead
- viii. **Technology for Testing:** Assessment
- ix. **Existing Practice:** People product simple variety of Oyster Mushroom
- x. **Hypothesis:** To Find out the suitable mushroom production in farmers' field for income generation
- xi. **Objective(s):** To increase income by production of different types of mushroom varieties according to season
- xii. **Treatments:**  
Farmers Practice (FP): (TO-I): Pleurotue sajor Caju (Grey Oyster) 80-100% biological efficient crop cycle-45-60 days  
Technology option-II (TO-II): Hysizy gousculmarius (Blue Oyster) 103% biological efficiency with crop cycle 60 days  
Technology option-III (TO-III): Plurotus Florida 100% biological efficiency with crop cycle -60 days
- xiii. **Critical Inputs:** Spawn(Mushroom) Polythene Bag, Carbendagiut, Rope, Paddy Straw, Formalin, Fenyl, Small Sprayers.
- xiv. **Unit Size:** No Size
- xv. **No of Replications:** 05
- xvi. **Unit Cost:** 700/-
- xvii. **Total Cost:** 3500/-
- xviii. **Monitoring Indicator:** Durability, Colour, Storability, Economics indicator, Cost, Net Return, B:C Ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Solan

## On-farm trials to be conducted-04

- i. **Season: Kharif**
- ii. **Title of the OFT:** Nutritional supplementation of colocassia leaf rolls ( Patrodas) with different protein source.
- iii. **Thematic Area:** Value Addition
- iv. **Problem diagnosed:** Traditional colocasia leaf rolls prepared with maize are poor in quality and taste.
- v. **Important Cause:** Colocassia leaves are found in abundance in this area vegetable supply become low in rainy season. People are ignorant about nutritional supplementation of colocassia leaf rolls with different protein sources.
- vi. **Production system:** Vegetable based system
- vii. **Micro farming system:** Home Stead
- viii. **Technology for Testing:** Assessment
- ix. **Existing Practice:** Colocassia leaf used as green leafy vegetable.
- x. **Hypothesis:** People used colocassia corm as vegetable, Which is only cabohydrate source, It leaf is sued with pulses it become protein sources, which is more nutritious and beneficial
- xi. **Objective(s):** Green Colocassia, leaf with protein source used as nutritional supplementation.
- xii. **Treatments:**  
Farmers Practice (FP): Rice (Ground Paste) @ 100gm/75 gm of leaves  
Technology option-I (TO-I): Pea (Ground Paste) @100gm/75gm of leaves  
Technology option-II (TO-II): Black Gram (Ground Paste) @ 100gm/75 gm of leaves
- xiii. **Critical Inputs:** Colocassia leaves, Rice ( Ground paste), Pea & Black Gram paste.
- xiv. **Unit Size:** No Size
- xv. **No of Replications:** 05
- xvi. **Unit Cost:** 250/-
- xvii. **Total Cost:** Rs. 1250/-
- xviii. **Monitoring Indicator:** Likeness, Color, taste, Economics
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CSK, HPKV, Palamapur

### **On-farm trials to be conducted-05**

- i. Season:** Kharif
- ii. Title of the OFT:** Refinement of date of sowing and spacing in Kharif Onion
- iii. Thematic Area:** Evaluation of sowing time
- iv. Problem diagnosed:** Kharif Onions are harvested in the month of December -January. During these months, there is a scarcity of onion in the market and bears very high price. Sometimes poor people are not able to buy Onion even onion is the king of kitchen. Kharif Onion fetches very high price in the market and farmers get more profit as compare to Rabi season's Onion.
- v. Important Cause:** Looking the market demand of Kharif Onion a need based OFT trail is formulated. The cultivation of Kharif Onion will meet out the availability onion and farmers will get remunerative price in the market, which will helpful it improve the socio-economic status of the farmers as well as doubling the income of growers per unit area.
- vi. Production system:** Paddy-Maize/ Wheat
- vii. Micro farming system:** micro farming
- viii. Technology for Testing:** Date of sowing and spacing in Kharif Onion
- ix. Existing Practice:** Farmers practice
- x. Hypothesis:** Improvement of farmers' income
- xi. Objective(s):** The cultivation of Kharif Onion will meet out the availability onion and farmers will get remunerative price in the market, which will helpful it improve the socio-economic status of the farmers as well as doubling the income of growers per unit area.
- xii. Treatments:**
  - Farmers Practice (FP):** Farmers practice
  - Technology option-I (TO-I):** 30<sup>th</sup> June 2019
  - Technology option-II (TO-II):** 15<sup>th</sup> July 2019
  - Technology option-III (TO-III):** 10X10 Cm.
  - Technology option-IV (TO-IV):** 15X15 Cm.
- xiii. Critical Inputs:** Seed
- xiv. Unit Size:** 125 sq m
- xv. No of Replications:** 10
- xvi. Unit Cost:** 500
- xvii. Total Cost:** 5000
- xviii. Monitoring Indicator:** Plant height, No of leaves, Equatorial and Polar diameter, Bulb weight, Yield/ha, Gross return, Net return, B:C ratio.
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BAU, Sabour

## On-farm trials to be conducted-06

- i. **Season:** Kharif
- ii. **Title of the OFT:** Assessment of PGR on sex expression and yield of Bottle gourd Var. Narendra Rashmi.
- iii. **Thematic Area:** Varietal Evaluation
- iv. **Problem diagnosed:** The Bottle gourd possesses monoicous forms and also possess a great diversity in Pistillate and staminate flowering ratio. In monoicous forms the production of staminate flower is far in excess of Pistillate counterpart. Since the yield of crop depends upon the production of Pistillate flowers, it is worthwhile to study the possibility of bringing about a shelf life in favor of Pistillate flowers. Plant growth regulators have profound influence on fruit production in cucurbits. It can modify growth and sex expression, improve fruit set and ultimately increase the yield in number of cucurbits. A relationship between growth, substances and sex expression probably exists in these plants.
- v. **Important Cause:** Keeping in views, the above facts under consideration present investigation will be carried out with plant growth regulators viz: Ethephone, MH and GA<sub>3</sub> these PGRs will increase the number of Pistillate flowers which ultimately increase the yield
- vi. **Production system:** Paddy-Maize/ Wheat
- vii. **Micro farming system:** Micro farming
- viii. **Technology for Testing:** PGR on sex expression and yield of Bottle gourd
- ix. **Existing Practice:** Farmers practice
- x. **Hypothesis:** plant growth regulators will increase the number of Pistillate flowers which ultimately increase the yield.
- xi. **Objective(s):** To increase the yield of Bottle Gourd
- xii. **Treatments:**
  - Farmers Practice (FP):** Farmer's Practice (No use of PGR)
  - Technology option-I (TO-I):** Spring of Ethephone-200 PPM (0.2gm) at two leaves and four true leaves.
  - Technology option-II (TO-II):** Spring of Ethephone-200 PPM (0.2gm) at two leaves and four true leaves.
  - Technology option-III (TO-III):** MH-100 PPM (0.1gm) at two leaves and four true leaves.
  - Technology option-IV (TO-IV):** GA<sub>3</sub>-75 PPM (0.075gm) at two leaves and four true leaves.
- xiii. **Critical Inputs:** Seed
- xiv. **Unit Size:** 125 Sq meter
- xv. **No of Replications:** 10
- xvi. **Unit Cost:** 500
- xvii. **Total Cost:** 5000
- xviii. **Monitoring Indicator:** Vine length, No of Branches, No of Male Flowers, No of Female flowers, Inter nodal Length, No of Nodes, at which male appear, No of Nodes at which Female flowers appears, No of Nodes, Sex ratio(F/M), No of fruits/vine, Fruit length, Fruit diameter, Fruit weight, Yield/vine, Yield\ha., B:C Ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BAU, Sabour, Bhagalpur

## farm trials to be conducted-07

- i. **Season:** Zaid/Kharif
- ii. **Title of the OFT:** Evaluation of ST-TY (Soil Test Targeted Yield )based on nutrient management in Jute
- iii. **Thematic Area:** INM
- iv. **Problem diagnosed:** Low Yield
- v. **Important Cause:** Injudicious Uses of Fertilizer
- vi. **Production system:** Jute-Mustard
- vii. **Micro farming system:** micro farming
- viii. **Technology for Testing:** STTY
- ix. **Existing Practice:** Farmers practice
- x. **Hypothesis:** Targeted yield (35 qt ha-1)
- xi. **Objective(s):** Improve the area of jute
- xii. **Treatments:**
  - Farmers Practice (FP) :** Farmer Practices (23:20:15 :: N:P:K)
  - Technology option-I (TO-I) :** ST-TY (35 q/ha) = 123:49:27:: N:P:K
  - Technology option-II (TO-II) :** ST-TY (35 q/ha) = 83:35:19:: N:P:K + FYM @ 5 t/ ha
- xiii. **Critical Inputs:** Seed, Nutrients, chemicals
- xiv. **Unit Size:** 0.10 ha
- xv. **No of Replications:** 10
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Plants growth and fiber yield attributes, Yield initial and final soil analysis, Net return, B:C ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CRIJEF, Barrackpore

## On-farm trials to be conducted-08

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of Boron and Molybdenum on Growth, Yield and Quality of Cauliflower (Brassica oleracea L. var. botrytis)
- iii. **Thematic Area:** INM
- iv. **Problem diagnosed:** Death of young leaves, stem becomes hollow with the cavity surrounded by water soaked tissues and some curds change to rusting brown in Mo & B deficient Soil.
- v. **Important Cause:** Hollow Heart diseases
- vi. **Production system:** Vegetable- Vegetable
- vii. **Micro farming system:** micro farming
- viii. **Technology for Testing:** Assessment of Boron and Molybdenum in Cauliflower
- ix. **Existing Practice:** Farmers practice
- x. **Hypothesis:** Improve Farmer income
- xi. **Objective(s):** To management of Hollow Heart Disease of Cauliflower
- xii. **Treatments:**
- |                                      |   |
|--------------------------------------|---|
| <b>Farmers Practice (FP):</b>        | Farmer Practices (180:40:20 :: N:P:K)                             |
| <b>Technology option-I (TO-I):</b>   | 120:60:60 :: N:P:K) + 20 t/ha FYM                                 |
| <b>Technology option-II (TO-II):</b> | 120:60:60 :: N:P:K) + 20 t/ha FYM + 20 kg/ha Borex and 2 kg/ha Mo |
- xiii. **Critical Inputs:** Seed, Chemical & Fertilizer
- xiv. **Unit Size:** 0.10 ha
- xv. **No of Replications:** 10
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Plants growth and yield attributes, Yield, initial and final soil analysis, Net return, B:C ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIVR Varanasi



On-farm trials to be conducted-09(Field Study)

<b>OFT-1 Assessment of effectiveness of FFS on Paddy Production technology under KVK- ATMA Convergence</b>	
Problem Diagnose	Farmers not participated in farmers field school (FFS)
Thematic Area	KVK- ATMA Convergence
Detail of technology	Farmers participated in farmers field school (FFS) 2FFS (2X15) 30 farmers
Farmers Practices( $T_1$ )	Farmers not Participated in farmers field school 30 farmers
Recommended Tech( $T_2$ )	Farmers Participated in farmers field school 30 farmers
Performance parameter	<ol style="list-style-type: none"> <li>1. Land Size</li> <li>2. Use of soil Health Card</li> <li>3. Knowledge about seed treatment</li> <li>4. Age of Seeding</li> <li>5. Time of transplantation</li> <li>6. Weed Management</li> <li>7. Insect Pest Management</li> <li>8. Harvesting</li> <li>9. Yield</li> <li>10. Marketing</li> </ol>

**On-farm trials to be conducted-10 (Field Study)**

OFT-2 Impact of INM training programme conducted by KVK, Katihar	
Problem Diagnose	Injudicious use of manures and fertilizer
Thematic Area	Capacity building
Detail of technology	Farmers participated in INM training programme
Farmers Practices( $T_1$ )	Farmers Participated in INM training programme 90 farmers
Recommended Tech( $T_2$ )	Farmers not Participated in INM training programme 90 farmers
Performance parameter	<ol style="list-style-type: none"> <li>1. Training effectiveness</li> <li>2. Training satisfaction</li> <li>3. Impact of training</li> <li>4. Change in knowledge</li> <li>5. Change in attitude</li> <li>6. Change in yield</li> <li>7. Change in Income</li> </ol>

**4. 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.)
<b>Paddy</b>	<b>Sabour Ardhajal</b>	<b>June to Nov</b>	<b>3.4</b>	<b>C/S</b>	<b>120-125</b>	<b>178500.00</b>	<b>430500.00</b>	<b>250000.00</b>
<b>Dhaicha</b>	<b>Local</b>	<b>April to Oct</b>	<b>0.4</b>	<b>Seed is used for own purpose</b>				
<b>Wheat</b>	<b>Sabour Samridhi/ HD 2967</b>	<b>Nov to April</b>	<b>4.2</b>	<b>C/S</b>	<b>145-150</b>	<b>180000.00</b>	<b>514500.00</b>	<b>334500.00</b>

**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.)

## Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	M	F	T	Male	Female	Total
1.	Field Day	9	400	50	450	15	12	1	13	412	51	463
2.	KisanMela	2	1000	150	1150	22	35	4	39	1035	154	1189
3.	KisanGhosthi	42	1250	300	1550	19	45	8	53	1295	308	1603
4.	Exhibition	1	150	50	200	12	10	3	13	160	53	213
5.	Film Show	15	800	300	1100	25	16	3	19	816	303	1119
6.	Method Demonstrations	1	75	20	95	10	5	3	8	80	23	103
7.	Farmers Seminar	2	120	30	150	17	1		1	121	30	151
8.	Workshop	1	100	25	125	10	20	3	23	120	28	148
9.	Group meetings	5	150	50	200	14	6	1	7	156	51	207
10.	Lectures delivered as resource persons	20	500	30	530	14	25	2	27	525	32	557
11.	Advisory Services	10	200	50	250	10	0	0	0	200	50	250
12.	Scientific visit to farmers field	100	900	300	1200	8	28	6	34	928	306	1234
13.	Farmers visit to KVK	1600	1500	100	1600	15	35	10	45	1535	110	1645
14.	Diagnostic visits	3	200	100	300	20	20	7	27	220	107	327
15.	Exposure visits	3	125	25	150	14	5	0	5	130	25	155
16.	Ex-trainees Sammelan	2	90	10	100	14	5	3	8	95	13	108
17.	Soil health Camp	5	275	25	300	16	10	2	12	285	27	312
18.	Animal Health Camp	2	100	0	100	10	2	0	2	102	0	102
19.	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
20.	Soil test campaigns	5	275	25	300	11	8	2	10	283	27	310
21.	Farm Science Club Conveners meet	5	75	0	75	33	0	0	0	75	0	75
22.	Self Help Group Conveners meetings	5	30	150	180	07	5	2	7	35	152	187
23.	MahilaMandals Conveners meetings	1	100	0	100	10	3	2	5	103	2	105
24.	Celebration of important days (specify)	5	300	25	325	11	25	5	30	325	30	355
25.	Sankalp Se Siddhi	1	50	5	55	09	2	0	2	52	5	57
26.	Swatchta Hi Sewa	16	500	200	700	14	30	10	40	530	210	740
27.	Mahila Kisan Diwas	1	50	300	350	14	5	2	7	55	302	357
28.	Any Other (Specify)	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>1862</b>	<b>9315</b>	<b>2320</b>	<b>11635</b>	<b>16</b>	<b>358</b>	<b>79</b>	<b>437</b>	<b>9673</b>	<b>2399</b>	<b>12072</b>

**5. Revolving Fund (in Rs.)**

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
1222562.09	358500.00	584600.00

**6. Expected fund from other sources and its proposed utilization**

Project	Source	Amount to be received (Rs. in lakh)
KSHMATA	Minister of India	40,00,000.00
CSISSA	CIMMYT	2,00,000.00
Poshan Abhyaan	Minister of India	17,70,000.00

**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.	KSHMATA	40,00,000.00
2.	CSISSA	2,00,000.00
3.	National nutritional Mission (Poshan Abhyaan)	17,70,000.00

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

**12. Scientific Advisory Committee**

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
11.12.2018	26.07.2019

**13. Soil and water testing**

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000	100	00	50	00	800	50	950	50	1000	75	1000
Water Samples	10	00	00	00	00	10	00	10	00	10	05	10
Other	00	00	00	00	00	00	00	00	00	00	00	00
<b>Total</b>	<b>1010</b>	<b>100</b>	<b>00</b>	<b>50</b>	<b>00</b>	<b>810</b>	<b>50</b>	<b>960</b>	<b>50</b>	<b>1010</b>	<b>75</b>	<b>1010</b>

**14. Fund requirement and expenditure (Rs.)\***

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
Pay & Allowance	7733165.00	10000000.00
General ( Recurring)	979001.00	1000000.00
Equipment / Furniture	350000.00	500000.00
<b>Total</b>	<b>9062166.00</b>	<b>11500000.00</b>

\* 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.**