REVISED PROFORMA FOR ACTION PLAN 2019-2020

1. Name of the KVK:

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2.Name of host organization :

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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
Integrated Pest Management	Management of inset-pest and disease of summer vegetable crop	2	1	OFF	01-04-2019	6	2	0	0	28	4	34	6	40
Cultivation of Fruit	Cultivation of mango litchi banana sweet orange and guava.	1	1	OFF	03-04-2019	5	2	0	0	25	4	30	6	36
Women and child care	Importance of vitamins in daily life	1	2	ON	04-04-2019	4	6	0	0	2	18	6	24	30
Integrated fish farming	Integrated Fish Farming	1	2	OFF	22-04-2019	2	3	0	0	15	10	17	13	30
Integrated fish farming	Integrated Fish Farming	1	2	ON	27-04-2019	2	3	0	0	15	10	17	13	30
Installation and maintenance of micro irrigation systems	Installation and maintenance of micro irrigation system	1	1	ON	28-04-2019	3	2	0	0	20	5	23	7	30
Production and management technology	Production & management technology of ashwagandha.	1	1	OFF	29-04-2019	5	2	0	0	25	4	30	6	36
Soil fertility management	Soil properties and their management	1	1	ON	29-04-2019	5	0	0	0	25	0	30	0	30
Integrated Disease Management	Disease management in Green gram.	2	1	OFF	01-05-2019	8	2	0	0	24	6	32	8	40
Value addition	Home-made drinks for summer	1	2	ON	02-05-2019	4	6	0	0	2	18	6	24	30
Composite fish culture & fish disease	Aquaculture Management	1	2	ON	03-05-2019	5	2	0	0	25	4	30	6	36
Post Harvest Technology	Storage structure of rice	1	1	OFF	05-05-2019	2	3	0	0	15	10	17	13	30

Soil fertility management	Importance and role of plant nutrients	1	1	ON	09-05-2019	5	0	0	0	25	0	30	0	30
Export potential fruits	Grading & Standardization of litchi and mango.	1	2	OFF	14-05-2019	5	2	0	0	25	4	30	6	36
Layout and Management of Orchards	Layout & management of mango litchi guava and citrus orchards.	1	2	ON	16-05-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of Mango	1	3	ON	18-05-2019	2	3	0	0	15	10	17	13	30
Composite fish culture & fish disease	Aquaculture Management	1	2	OFF	23-05-2019	5	2	0	0	25	4	30	6	36
Post Harvest Technology	Storage structure of rice	1	1	OFF	24-05-2019	3	2	0	0	20	5	23	7	30
Post Harvest Technology	Zero energy cool chamber	1	1	OFF	30-05-2019	3	2	0	0	20	5	23	7	30
Integrated Pest Management	Management of insect pest and disease of mango fruit.	2	1	OFF	01-06-2019	6	4	0	0	24	6	30	10	40
Training and Pruning	Training and Pruning of litchi and mango.	1	2	ON	06-06-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of Mango	1	1	OFF	10-06-2019	4	1	0	0	23	2	27	3	30
Composite fish culture & fish disease	Fish Disease Management	1	2	OFF	10-06-2019	6	4	0	0	24	6	30	10	40
Income generation activities for empowerment of rural Women	Tie and die technique	1	3	OFF	10-06-2019	3	9	0	0	2	16	5	25	30
Income generation activities for empowerment of rural Women	Tie and die technique	1	3	OFF	11-06-2019	3	9	0	0	2	16	5	25	30
Soil and Water Testing	Soil sampling technique and fertilizer recommendation	1	1	ON	11-06-2019	5	0	0	0	25	0	30	0	30
Designing and development for high nutrient efficiency diet	Low cost nutritional diets	1	2	ON	12-06-2019	3	5	0	0	4	18	7	23	30
Income generation activities for empowerment of rural Women	Tie and die technique	1	3	OFF	12-06-2019	3	9	0	0	2	16	5	25	30
Designing and development for high nutrient efficiency diet	Low cost nutritional diets	1	2	ON	13-06-2019	3	5	0	0	4	18	7	23	30
Post Harvest Technology	Zero energy cool chamber	1	1	ON	17-06-2019	3	2	0	0	20	5	23	7	30
Production and management technology	Production & management technology of lemon	1	2	OFF	18-06-2019	5	2	0	0	25	4	30	6	36

	grass													
Post Harvest Technology	Zero energy cool chamber	1	1	ON	20-06-2019	2	3	0	0	15	10	17	13	30
Post Harvest Technology	Zero energy cool chamber	1	1	ON	21-06-2019	3	2	0	0	20	5	23	7	30
Composite fish culture & fish disease	Fish Disease Management	1	2	ON	21-06-2019	6	4	0	0	24	6	30	10	40
Integrated Pest Management	Management of insects and pests of Maize	1	1	OFF	01-07-2019	2	1	0	0	16	1	18	2	20
Integrated fish farming	Fish Based Integrated Farming System	1	2	OFF	09-07-2019	4	1	0	0	23	2	27	3	30
Plant propagation techniques	Plant propagation techniques of banana mango and litchi.	1	2	OFF	09-07-2019	5	2	0	0	25	4	30	6	36
Post Harvest Technology	Zero energy cool chamber	1	1	ON	16-07-2019	3	2	0	0	20	5	23	7	30
Integrated Pest Management	Management of insects and pests of Paddy	1	1	OFF	16-07-2019	3	1	0	0	14	2	17	3	20
Soil fertility management	Diagnosis of nutrient deficiency and their management	1	1	ON	16-07-2019	5	0	0	0	25	0	30	0	30
Nursery management	Propagation techniques of alovera	1	2	ON	17-07-2019	5	2	0	0	25	4	30	6	36
Integrated fish farming	Fish Based Integrated Farming System	1	2	ON	22-07-2019	4	1	0	0	23	2	27	3	30
Designing and development for high nutrient efficiency diet	Low cost nutritional diets	1	2	ON	24-07-2019	3	5	0	0	4	18	7	23	30
Production of small tools and implements	Use of different implements in showing and harvesting of rice	1	1	OFF	27-07-2019	4	1	0	0	23	2	27	3	30
Integrated Disease Management	Management of Khaira disease in paddy	2	1	OFF	01-08-2019	4	3	0	0	26	7	30	10	40
Management of Problematic soils	Management of saline/alkali, Calcareous and waterlogged soil	1	1	ON	06-08-2019	5	0	0	0	25	0	30	0	30
Women and child care	Nutrition education for healthy life	1	1	OFF	06-08-2019	3	6	0	0	5	16	8	22	30
Carp fry and fingerling rearing	Carp Fry and Fingerling Rearing	1	2	OFF	07-08-2019	4	1	0	0	23	2	27	3	30
Management of young plants/orchards	Management of young plants of guava and pomegranate.	1	1	ON	07-08-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of milk	1	2	ON	08-08-2019	2	3	0	0	15	10	17	13	30
Women and child care	Women health and hygiene	1	2	OFF	20-08-2019	0	5	0	0	0	25	0	30	30
Carp fry and fingerling rearing	Carp Fry and Fingerling Rearing	1	2	ON	23-08-2019	4	1	0	0	23	2	27	3	30
Integrated Disease Management	Disease management of Paddy	3	1	OFF	01-09-2019	8	6	0	0	42	4	50	10	60
Production and use of organic inputs	Production and use of manures compost and vermicompst	1	1	ON	05-09-2019	5	0	0	0	25	0	30	0	30

Production of small tools and implements	Use of different implements in showing and harvesting of rice	1	1	ON	06-09-2019	4	1	0	0	23	2	27	3	30
Micro irrigation systems of orchards	Micro irrigation systems used in Orchards of mango guava and litchi.	1	2	ON	06-09-2019	5	2	0	0	25	4	30	6	36
Carp fry and fingerling rearing	Carp Fry and Fingerling Rearing	1	2	ON	12-09-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of milk	1	2	ON	14-09-2019	2	3	0	0	15	10	17	13	30
Designing and development for high nutrient efficiency diet	Low cost nutritional diets	1	2	ON	17-09-2019	3	5	0	0	4	18	7	23	30
Production and use of organic inputs	Production and uses of waste decomposer	1	1	ON	18-09-2019	5	0	0	0	25	0	30	0	30
Nursery raising	Nursery raising of onion	1	1	ON	21-09-2019	5	2	0	0	25	4	30	6	36
Production of small tools and implements	Use of different implements in showing and harvesting of rice	1	1	OFF	23-09-2019	4	1	0	0	23	2	27	3	30
Small scale processing and value addition	Small scale processing of pickles	1	1	ON	25-09-2019	3	2	0	0	20	5	23	7	30
Carp fry and fingerling rearing	Carp Fry and Fingerling Rearing	1	2	OFF	25-09-2019	5	2	0	0	25	4	30	6	36
Management of Problematic soils	Management of saline/alkali, Calcareous and waterlogged soil	1	1	ON	26-09-2019	5	0	0	0	25	0	30	0	30
Integrated Pest Management	Integrated pest management in oilseed crop	2	3	OFF	01-10-2019	5	0	0	0	25	0	30	0	30
Nursery Management	Nursery management of marigold	1	2	ON	04-10-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of Mango	1	1	ON	10-10-2019	4	1	0	0	23	2	27	3	30
Others, if any	Mushroom production	1	3	ON	10-10-2019	5	0	0	0	25	0	30	0	30
Value addition	Gingerel making	1	1	ON	11-10-2019	3	5	0	0	2	20	5	25	30
Breeding and culture of ornamental fishes	Introduction and the culture of ornamental fishes	1	2	OFF	15-10-2019	5	2	0	0	25	4	30	6	36
Production and use of organic inputs	Types and Use of bio fertilizers in crops	1	1	ON	15-10-2019	5	0	0	0	25	0	30	0	30
Small scale processing and value addition	Small scale processing of Mango	1	1	ON	16-10-2019	4	1	0	0	23	2	27	3	30
Management of potted plants	Management of potted plants	1	1	ON	17-10-2019	5	2	0	0	25	4	30	6	36
Income generation activities for empowerment of	Making article through knitting	1	4	ON	21-10-2019	0	5	0	0	0	25	0	30	30

rural Women														
Designing and development for high nutrient efficiency diet	Low cost nutritional diets	1	2	ON	22-10-2019	3	5	0	0	4	18	7	23	30
Income generation activities for empowerment of rural Women	Making article through knitting	1	4	ON	22-10-2019	0	5	0	0	0	25	0	30	30
Production and use of organic inputs	Production and uses of Azolla	1	1	ON	22-10-2019	5	0	0	0	25	0	30	0	30
Income generation activities for empowerment of rural Women	Making article through knitting	1	4	ON	23-10-2019	0	5	0	0	0	25	0	30	30
Income generation activities for empowerment of rural Women	Making article through knitting	1	4	ON	24-10-2019	0	5	0	0	0	25	0	30	30
Soil and Water Testing	Soil sampling technique and fertilizer recommendation	1	1	ON	26-10-2019	5	0	0	0	25	0	30	0	30
Post Harvest Technology	Storage structure of rice	1	1	ON	29-10-2019	2	3	0	0	15	10	17	13	30
Breeding and culture of ornamental fishes	Introduction and the culture of ornamental fishes	1	2	ON	29-10-2019	5	2	0	0	25	4	30	6	36
Integrated Disease Management	Seed treatment in rabi pulse crop	1	3	OFF	01-11-2019	5	0	0	0	25	0	30	0	30
Carp breeding and hatchery management	Seed production of Indian Major Carps and Chinese Carps	1	2	ON	06-11-2019	5	2	0	0	25	4	30	6	36
Propagation techniques of Ornamental Plants	Propagation techniques of marigold and rose	1	2	OFF	07-11-2019	5	2	0	0	25	4	30	6	36
Soil and Water Conservation	Soil management through conservation agriculture	1	1	ON	07-11-2019	5	0	0	0	25	0	30	0	30
Integrated Pest Management	Integrated pest management in potato.	1	3	OFF	14-11-2019	5	0	0	0	25	0	30	0	30
Others, if any	Mushroom cultivation and marketing	1	3	ON	18-11-2019	5	0	0	0	25	0	30	0	30
Management of potted plants	Production & management technology of marigold and rose.	1	2	OFF	20-11-2019	5	2	0	0	25	4	30	6	36
Carp breeding and hatchery management	Seed production of Indian Major Carps and Chinese Carps	1	2	OFF	22-11-2019	5	2	0	0	25	4	30	6	36
Small scale processing and value addition	Small scale processing of Mango	1	1	ON	27-11-2019	4	1	0	0	23	2	27	3	30
Integrated Pest Management	Integrated pest management in	1	3	OFF	03-12-2019	5	0	0	0	25	0	30	0	30

	Vegetable crop.													
Carp breeding and hatchery management	Hatchery operation	1	2	ON	04-12-2019	2	3	0	0	15	10	17	13	30
Soil and Water Conservation	Water, air and temperature management techniques in soil	1	1	ON	05-12-2019	5	0	0	0	25	0	30	0	30
Processing and value addition	Processing & value addition of cashew	1	1	OFF	06-12-2019	5	2	0	0	25	4	30	6	36
Others, if any	Mushroom cultivation and marketing	1	1	ON	09-12-2019	5	0	0	0	25	0	30	0	30
Post Harvest Technology	Storage structure of rice	1	1	OFF	10-12-2019	3	2	0	0	20	5	23	7	30
Carp breeding and hatchery management	Hatchery operation	1	2	OFF	18-12-2019	2	3	0	0	15	10	17	13	30
Production and Management technology	Production & management technology of potato	1	1	OFF	19-12-2019	5	2	0	0	25	4	30	6	36
Integrated Pest Management	IPM in Red gram	1	3	OFF	01-01-2020	5	0	0	0	25	0	30	0	30
Soil and Water Conservation	Water, air and temperature management techniques in soil	1	1	ON	03-01-2020	5	0	0	0	25	0	30	0	30
Carp breeding and hatchery management	Brood fish Rearing	1	2	OFF	04-01-2020	4	1	0	0	23	2	27	3	30
Small scale processing and value addition	Small scale processing of milk	1	2	ON	06-01-2020	2	3	0	0	15	10	17	13	30
Nutrient Use Efficiency	Different types of synthetic fertilizers and their use in crop	1	1	ON	07-01-2020	5	0	0	0	25	0	30	0	30
Off-season vegetables	Off season cultivation of tomato and cucumber	1	2	ON	09-01-2020	5	2	0	0	25	4	30	6	36
Others, if any	Proper use and management of macro nutrients in crops	1	1	ON	21-01-2020	5	0	0	0	25	0	30	0	30
Production and Management technology	Production & management technology of Ginger	1	1	ON	22-01-2020	5	2	0	0	25	4	30	6	36
Carp breeding and hatchery management	Brood fish Rearing	1	2	ON	24-01-2020	4	1	0	0	23	2	27	3	30
Integrated Disease Management	Integrated pest and disease management in wheat.	1	3	OFF	01-02-2020	5	0	0	0	25	0	30	0	30
Micro nutrient deficiency in crops	Proper use and management of micro nutrients in crops	1	1	ON	02-02-2020	5	0	0	0	25	0	30	0	30
Household food security by kitchen gardening and nutrition gardening	Preservation of seasonal foods and vegetables	1	2	OFF	04-02-2020	4	6	0	0	2	18	16	24	30
Breeding and culture of	Ornamental fish culture at home	1	2	ON	05-02-2020	4	1	0	0	23	2	27	3	30

ornamental fishes														
Household food security by kitchen gardening and nutrition gardening	Preservation of seasonal foods and vegetables	1	2	OFF	05-02-2020	4	6	0	0	2	18	6	24	30
Others, if any	Soils found in India and their properties	1	1	ON	05-02-2020	5	0	0	0	25	0	30	0	30
Others, if any	Soils found in India and their properties	1	1	ON	06-02-2020	5	0	0	0	25	0	30	0	30
Small scale processing and value addition	Small scale processing of mushroom	1	2	ON	10-02-2020	4	1	0	0	23	2	27	3	30
Nutrient Use Efficiency	Different types of synthetic fertilizers and their use in crop	1	1	ON	10-02-2020	5	0	0	0	25	0	30	0	30
Others if any(INM)	Processing & value addition of Guava	1	1	ON	11-02-2020	5	2	0	0	25	4	30	6	36
Breeding and culture of ornamental fishes	Ornamental fish culture at home	1	2	OFF	22-02-2020	4	1	0	0	23	2	27	3	30
Plant propagation techniques	Nursery management of lemon.	1	1	ON	25-02-2020	5	2	0	0	25	4	30	6	36
Others, if any	Proper use and management of macro nutrients in crops	1	1	ON	26-02-2020	5	0	0	0	25	0	30	0	30
Others, if any	Storage technique of different crops	1	1	ON	01-03-2020	5	0	0	0	25	0	30	0	30
Soil and Water Conservation	Water, air and temperature management techniques in soil	1	1	ON	02-03-2020	5	0	0	0	25	0	30	0	30
Installation and maintenance of micro irrigation systems	Installation and maintenance of micro irrigation system	1	1	OFF	04-03-2020	4	1	0	0	23	2	27	3	30
Production and use of organic inputs	Production and use of different types of organic fertilizers	1	1	ON	04-03-2020	5	0	0	0	25	0	30	0	30
Micro nutrient deficiency in crops	Proper use and management of micro nutrients in crops	1	1	ON	06-03-2020	5	0	0	0	25	0	30	0	30
Composite fish culture & fish disease	Fish Disease Management in fresh water culture	1	2	OFF	07-03-2020	4	1	0	0	23	2	27	3	30
Nursery management	Nursery management of stevia	1	1	ON	10-03-2020	5	2	0	0	25	4	30	6	36
Enterprise development	Entrepreneurship in food processing	1	3	OFF	15-03-2020	4	8	0	0	8	10	12	18	30
Enterprise development	Entrepreneurship in food processing	1	3	OFF	16-03-2020	4	8	0	0	8	10	12	18	30
Enterprise development	Entrepreneurship in food processing	1	3	OFF	17-03-2020	4	8	0	0	8	10	12	18	30
Nursery management	Post harvest technology & value addition of satavar	1	1	ON	18-03-2020	5	2	0	0	25	4	30	6	36
Production and Management technology	Production & management technology of Ginger	1	1	ON	20-03-2020	5	2	0	0	25	4	30	6	36
Composite fish	Fish Disease	1	2	ON	23-03-2020	4	1	0	0	23	2	2	3	3

culture & fish disease	Management in fresh water culture											7		0
Household food security by kitchen gardening and nutrition gardening	Nutritional gardening	1	3	OFF	23-03-2020	3	5	0	0	2	20	5	25	30
Household food security by kitchen gardening and nutrition gardening	Nutritional gardening	1	3	OFF	24-03-2020	3	5	0	0	2	20	5	25	30
Total		**144**	**232**			**565**	**305**	**0**	**0**	**2703**	**799**	**3268**	**1104**	**4372**

(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
Bee-keeping	Advances in honey production	1	1	ON	18-09-2019	5	0	0	0	25	0	30	0	30
Bee-keeping	Advances in honey production	1	1	ON	28-06-2019	5	0	0	0	25	0	30	0	30
Commercial fruit production	Commercial production of mango banana guava and cucumber.	1	1	OFF	22-01-2020	5	2	0	0	25	4	30	6	36
Commercial fruit production	Commercial production of mango banana guava and cucumber.	1	1	OFF	01-01-2020	5	2	0	0	25	4	30	6	36
Composite fish culture	Fish Disease Management	1	1	ON	04-04-2019	4	1	0	0	23	2	27	3	30
Freshwater prawn culture	Freshwater Prawn Farming	1	1	ON	27-08-2019	5	2	0	0	25	4	30	6	36
Fry and fingerling rearing	Nursery and Rearing Pond Management	1	1	OFF	26-06-2019	5	2	0	0	25	4	30	6	36
Integrated farming	Fish Based Integrated Farming System	1	1	ON	18-09-2019	2	3	0	0	15	10	17	13	30
Mushroom Production	Different recipes of mushroom	1	1	ON	18-06-2019	3	5	0	0	2	20	5	25	30
Mushroom Production	Mushroom cultivation and value addition	1	2	ON	27-12-2019	5	0	0	0	25	0	30	0	30
Mushroom Production	Mushroom cultivation and value addition	1	2	ON	10-10-2019	5	0	0	0	25	0	30	0	30
Nursery Management of	Nursery management of	1	1	OFF	05-02-2020	5	2	0	0	25	4	30	6	36

Horticulture crops	mango and lichi.													
Nursery Management of Horticulture crops	Nursery management of mango and lichi.	1	1	OFF	14-11-2019	5	2	0	0	25	4	30	6	36
Nursery Management of Horticulture crops	Nursery management of mango and lichi.	1	1	OFF	03-12-2019	5	2	0	0	25	4	30	6	36
Ornamental fisheries	Ornamental Fish Culture System	1	1	ON	17-07-2019	5	2	0	0	25	4	30	6	36
Others if any (ICT application in agriculture)	Storage technique of different crops	1	1	ON	11-06-2019	5	0	0	0	25	0	30	0	30
Others if any (ICT application in agriculture)	Storage technique of different crops	1	1	ON	29-10-2019	5	0	0	0	25	0	30	0	30
Post Harvest Technology	Entrepreneurship in food processing	1	1	ON	11-02-2020	4	8	0	0	8	10	12	18	30
Production of organic inputs	Production of organic litchi.	1	1	OFF	11-06-2019	5	2	0	0	25	4	30	6	36
Production of organic inputs	Production and use of Organics under organic farming	1	1	ON	18-11-2019	5	0	0	0	25	0	30	0	30
Production of organic inputs	Production and use of Organics under organic farming	1	1	ON	20-11-2019	5	0	0	0	25	0	30	0	30
Production of organic inputs	Production and use of Organics under organic farming	1	1	ON	21-11-2019	5	0	0	0	25	0	30	0	30
Rural Crafts	“Manjusha” Painting for self-employment	1	1	ON	18-07-2019	3	5	0	0	2	20	5	25	30
Seed production	Seed production of Indian Major Carp	1	1	ON	22-10-2019	5	0	0	0	25	0	30	0	30
Small scale processing and value addition	Value addition in drumstick	1	1	OFF	09-05-2019	2	3	0	0	15	10	17	13	30
Small scale processing and value addition	Value added milk products	1	1	ON	08-07-2019	3	5	0	0	4	18	7	23	30
Small scale processing and value addition	Making of different milk products	1	1	ON	20-08-2019	2	3	0	0	15	10	17	13	30
Small scale processing and value addition	Value addition in mushroom	1	1	ON	17-12-2019	2	3	0	0	15	10	17	13	30
Small scale processing and value addition	Value addition in Amla	1	1	ON	03-02-2020	2	3	0	0	15	10	17	13	30
Value addition	Value added milk products	1	1	OFF	12-12-2019	3	5	0	0	2	20	5	25	30
Value addition	Value addition	1	1	ON	15-05-2019	3	5	0	0	2	20	5	25	30

	in green mango													
Value addition	Squash and juice making	1	1	ON	22-11-2019	3	5	0	0	2	20	5	25	30
Value addition	Value added coconut products	1	1	ON	09-01-2020	3	5	0	0	2	20	5	25	30
Vermi-culture	Production of vermicompost and worms for self employment-	1	1	ON	19-08-2019	5	0	0	0	25	0	30	0	30
Vermi-culture	Production of vermicompost and worms for self employment-	1	1	ON	20-08-2019	5	0	0	0	25	0	30	0	30
Vermi-culture	Production of vermicompost and worms for self employment-	1	1	ON	22-08-2019	5	0	0	0	25	0	30	0	30
Total		**36**	**38**			**149**	**77**	**0**	**0**	**672**	**236**	**821**	**313**	**1134**

(c) Extension functionaries

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
Others if any	Soil sampling & testing techniques ,and fertilizer recommendation	1	1	ON	23-05-2019	5	0	0	0	25	0	30	0	30
Others if any	Advanced Fish Culture Techniques	1	2	ON	28-05-2019	3	2	0	0	20	5	23	7	30
Integrated Pest Management	Management of pest and disease Kharif crop.	1	1	OFF	15-06-2019	5	0	0	0	25	0	30	0	30
Integrated Pest Management	Management of pest and disease in maize and moong	1	1	OFF	18-07-2019	5	0	0	0	25	0	30	0	30
Repair and maintenance of farm machinery and implements	Care and maintenance of tractors	1	1	OFF	23-07-2019	2	3	0	0	15	10	17	13	30
Others if any	Integrated Fish Farming	1	2	ON	01-08-2019	4	1	0	0	23	2	27	3	30
Others if any	Importance of plant nutrients for crops	1	1	ON	22-08-2019	5	0	0	0	25	0	30	0	30
Household food security	Advancement of mushroom production	1	3	ON	15-09-2019	1	5	0	0	1	20	2	25	27
Others if any	Different implements use in harvesting &	1	2	OFF	20-09-2019	3	2	0	0	20	5	23	7	30

	showing													
INM	Integrated nutrient management of fruit crops like mango litchi banana guava and sweet orange.	1	1	OFF	13-11-2019	5	2	0	0	25	4	30	6	36
Productivity enhancement in field crops	Management of pest and disease in Rabi crop.	1	1	OFF	16-11-2019	5	0	0	0	25	0	30	0	30
Others if any	Different implements use in harvesting & showing	1	2	OFF	27-11-2019	3	2	0	0	20	5	23	7	30
Integrated Pest Management	Integrated pest management of fruit crops like mango litchi banana guava and sweet orange.	1	1	OFF	10-12-2019	5	2	0	0	25	4	30	6	36
Repair and maintenance of farm machinery and implements	Care and maintenance of tractors	1	1	OFF	12-12-2019	4	1	0	0	23	2	27	3	30
Others if any	Management of saline/alkali and water logged soil	1	1	ON	21-12-2019	5	0	0	0	25	0	30	0	30
Value addition	Value addition in mushroom	1	2	ON	22-12-2019	3	5	0	0	2	20	5	25	30
Others if any	Integrated Fish Farming	1	2	ON	23-12-2019	4	1	0	0	23	2	27	3	30
Production and use of organic inputs	Scientific production of organic fertilizers	1	1	ON	27-12-2019	5	0	0	0	25	0	30	0	30
Integrated Pest Management	Management of pest and disease in maize and moong	1	1	OFF	10-01-2020	5	0	0	0	25	0	30	0	30
INM	Integrated nutrient management of fruit crops like mango litchi banana guava and sweet orange.	1	1	OFF	13-01-2020	5	2	0	0	25	4	30	6	36
Others if any	Fish Disease Management	1	2	ON	20-01-2020	4	1	0	0	23	2	27	3	30
Women and child care	Organic farming	1	2	ON	20-01-2020	3	5	0	0	2	20	5	25	30
Pduction and use of organic input	Care of pregnant women	1	3	ON	12-02-2020	1	5	0	0	1	20	2	25	27
Protected cultivation	Protected cultivation of vegetable crops	1	1	ON	04-03-2020	5	2	0	0	25	4	30	6	36

	like tomato and capsicum.													
Total		**24**	**36**			**95**	**41**	**0**	**0**	**473**	**129**	**568**	**170**	**738**

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	1	25	4	29	5	2	7	0	0	0	30	6	36
Nursery raising	1	25	4	29	5	2	7	0	0	0	30	6	36
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade	0	0	0	0	0	0	0	0	0	0	0	0	0

Net etc.)													
Others, if any (Cultivation of Vegetable)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	50	8	58	10	4	14	0	0	0	60	12	72
b) Fruits													
Training and Pruning	1	25	4	29	5	2	7	0	0	0	30	6	36
Layout and Management of Orchards	1	25	4	29	5	2	7	0	0	0	30	6	**36**
Cultivation of Fruit	1	25	4	29	5	2	7	0	0	0	30	6	**36**
Management of young plants/orchards	1	25	4	29	5	2	7	0	0	0	30	6	**36**
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	1	25	4	29	5	2	7	0	0	0	30	6	**36**
Micro irrigation systems of orchards	1	25	4	29	5	2	7	0	0	0	30	6	**36**
Plant propagation techniques	2	50	8	58	10	4	14	0	0	0	60	12	72
Others, if any(INM)	1	25	4	29	5	2	7	0	0	0	30	6	36
TOTAL	9	225	36	261	45	18	63	0	0	0	270	54	324
c) Ornamental Plants													
Nursery Management	4	100	16	116	20	8	28	0	0	0	120	24	144
Management of potted plants	2	50	8	58	10	4	14	0	0	0	60	12	72
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	1	25	4	29	5	2	7	0	0	0	30	6	36
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	175	28	203	35	14	49	0	0	0	210	42	252
d) Plantation crops													
Production and Management technology	5	125	20	145	25	10	35	0	0	0	150	30	180
Processing and value addition	1	25	4	29	5	2	7	0	0	0	30	6	36
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6	150	24	174	30	12	42	0	0	0	180	36	216
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0

Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	3	75	0	75	15	0	15	0	0	0	90	0	90
Soil and Water Conservation	4	100	0	100	20	0	20	0	0	0	120	0	120
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	5	125	0	125	25	0	25	0	0	0	150	0	150
Management of Problematic soils	2	50	0	50	10	0	10	0	0	0	60	0	60
Micro nutrient deficiency in crops	2	50	0	50	10	0	10	0	0	0	60	0	60
Nutrient Use Efficiency	2	50	0	50	10	0	10	0	0	0	60	0	60
Soil and Water Testing	2	50	0	50	10	0	10	0	0	0	60	0	60
Others, if any	4	100	0	100	20	0	20	0	0	0	120	0	120
TOTAL	24	600	0	600	120	0	120	0	0	0	720	0	720
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Goat farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	4	8	76	84	14	22	36	0	0	0	22	98	120
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and	5	20	90	110	15	25	40	0	0	0	35	115	150

development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	3	24	30	54	12	24	36	0	0	0	36	54	90
Value addition	2	4	38	42	7	11	18	0	0	0	11	49	60
Income generation activities for empowerment of rural Women	7	6	148	154	9	47	56	0	0	0	15	195	210
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	3	7	59	66	7	17	24	0	0	0	14	76	90
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	69	441	510	64	146	210	0	0	0	133	587	720
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	43	7	50	7	3	10	0	0	0	50	10	60
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	3	69	6	75	12	3	15	0	0	0	81	9	90
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	10	195	55	250	31	19	50	0	0	0	226	74	300
Post Harvest Technology	9	165	60	225	24	21	45	0	0	0	189	81	270
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	472	128	600	74	46	120	0	0	0	546	174	720
VII. Plant Protection													
Integrated Pest Management	11	182	13	195	37	8	45	0	0	0	219	21	230
Integrated Disease Management	9	142	17	159	30	11	41	0	0	0	172	28	200
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	4	100	0	100	20	0	20	0	0	0	120	0	120
TOTAL	24	424	30	454	87	19	106	0	0	0	511	49	550
VIII. Fisheries													
Integrated fish farming	4	76	24	100	12	8	20	0	0	0	88	32	120

Carp breeding and hatchery management	6	126	32	158	22	12	34	0	0	0	148	44	192
Carp fry and fingerling rearing	4	96	12	108	18	6	24	0	0	0	114	18	132
Composite fish culture & fish disease	6	144	24	168	30	14	44	0	0	0	174	38	212
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	4	96	12	108	18	6	24	0	0	0	114	18	132
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24	538	104	642	100	46	146	0	0	0	638	150	788
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0

Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**144**	**2034**	**358**	**2392**	**381**	**159**	**540**	**0**	**0**	**0**	**2415**	**517**	**2922**

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	3	52	20	72	13	5	18	0	0	0	65	25	90
Bee-keeping	2	50	0	50	10	0	10	0	0	0	60	0	60
Integrated farming	1	15	10	25	2	3	5	0	0	0	17	13	30
Seed production	1	25	0	25	5	0	5	0	0	0	30	0	30
Production of organic inputs	4	100	4	104	20	2	22	0	0	0	120	6	126
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	3	75	0	75	15	0	15	0	0	0	90	0	90
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	2	50	8	58	10	4	14	0	0	0	60	12	72
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	3	75	12	87	15	6	21	0	0	0	90	18	108
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	4	8	80	88	12	20	32	0	0	0	20	100	120
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0

Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	1	25	4	29	5	2	7	0	0	0	30	6	36
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	1	23	2	25	4	1	5	0	0	0	27	3	30
Freshwater prawn culture	1	25	4	29	5	2	7	0	0	0	30	6	36
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	1	25	4	29	5	2	7	0	0	0	30	6	36
Small scale processing	5	64	58	122	11	17	28	0	0	0	75	75	150
Post Harvest Technology	1	8	10	18	4	8	12	0	0	0	12	18	30
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	2	20	22	3	5	8	0	0	0	5	25	30
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any (ICT application in agriculture)	2	50	0	50	10	0	10	0	0	0	60	0	60
TOTAL	**36**	**672**	**236**	**908**	**149**	**77**	**226**	**0**	**0**	**0**	**821**	**313**	**1134**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	25	0	25	5	0	5	0	0	0	30	0	30
Integrated Pest Management	4	100	4	104	20	2	22	0	0	0	120	6	126
Integrated Nutrient management	2	50	8	58	10	4	14	0	0	0	60	12	72
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	2	20	22	3	5	8	0	0	0	5	25	30
Protected cultivation technology	1	25	4	29	5	2	7	0	0	0	30	6	36
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	2	38	12	50	6	4	10	0	0	0	44	16	60
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and	0	0	0	0	0	0	0	0	0	0	0	0	0

fodder production													
Household food security	1	1	20	21	1	5	6	0	0	0	2	25	27
Women and Child care	1	2	20	22	3	5	8	0	0	0	5	25	30
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	2	26	20	46	6	5	11	0	0	0	32	25	57
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	9	204	21	225	36	9	45	0	0	0	240	30	270
TOTAL	**24**	**473**	**129**	**602**	**95**	**41**	**136**	**0**	**0**	**0**	**568**	**170**	**738**

4. Frontline demonstration to be conducted*

(a)
Crop: Paddy
Thrust Area: Productivity enhancement of cereals
Thematic Area: IDM
Season: Kharif 2019
Farming Situation: Medium land 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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo /ha**	**Local/ha**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1	Paddy	10	Propiconazole 25 EC component		Propiconazole 25 EC	14250	12500	3	2	0	0	18	2	21	4	25

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	Fungal disease management of paddy	2	Farmers	1 days	On/off	4	4	0	0	36	10	40	14	54

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

(b)
Crop: Paddy
Thrust Area: Productivity enhancement of cereals
Thematic Area: Crop production
Season: Kharif 2019
Farming Situation: Medium land 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 /ha	Local/ha	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Prabhat R. bhagawati and sahbhagi dhan	10	Full package	In relation to drought condition variety	Seeds	9000	6000	4	3	0	0	16	2	20	5	25

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 drought condition varieties of paddy	2	Farmers	1 days	On/off	6	4	0	0	32	8	36	12	48

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

(c)
Crop: Paddy
Thrust Area: Productivity enhancement of cereals
Thematic Area: IPM tools
Season: Kharif 2019
Farming Situation: Medium land irrigated

Sl. N	Crop & variety / Enterpr	Propo sed Area	Technology package for	Parameter (Data) in	Cost of Cultivation (Rs.)			No. of farmers / demonstration			
					Name	Demo	Loca	SC	ST	Other	Total

o.	ises	(ha)/ Unit (No.)	demonstration	relation to technology demonstrated	of Inputs	/ha	l/ha	M	F	M	F	M	F	M	F	T
1	Paddy	1.0	Pheromone trap component	In relation to management of yellow stem borer in paddy	Pheromone trap	5000	4000	2	2	0	0	6	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	Training on IPM in Paddy	1	Farmers	1 days	On/off	2	3	0	0	15	0	17	3	20

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

(d)

Crop: Brinjal
Thrust Area: Productivity enhancement of vegetable crops
Thematic Area: IPM tools
Season: Kharif 2019
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Brinjal	1.0	IPM modules component	In relation to management brinjal shoot and fruit borer	Pheromone trap and insecticide	5000	4000	2	2	0	0	6	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	Training on management of shoot and fruit borer in brinjal	1	Farmers	1 days	On/off	2	3	0	0	15	0	17	3	20

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

(e)

Crop: Wheat
Thrust Area: Productivity enhancement of cereals
Thematic Area: Crop production
Season: Rabi 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	HD-2967/DBW-14	10	Full package	In relation to management of early and late sown of wheat crop	Seed, INM, IPM	35000	1500	3	0	0	0	17	5	20	5	25

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 management of cultivation of wheat crop	2	Farmers	1 days	On/off	6	3	0	0	36	10	42	13	55

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

(f)

Crop: Potato
Thrust Area: Productivity enhancement of vegetable
Thematic Area: Crop production
Season: Rabi 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	K-Ashoka	1.0	Full package	In relation to management of early sown of potato crop	Seed, INM, IPM	30000	28000	3	0	0	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 management of cultivation of potato crop	1	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

(g)

Crop: Maize
Thrust Area: Productivity enhancement of cereals
Thematic Area: Crop production
Season: Rabi 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Shakti man-5	1	Full package	In relation to high yielding variety of maize crop	Seed, INM, IPM	5000	3500	3	0	0	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 management of cultivation of maize crop	2	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

(h)

Crop: Papaya
Thrust Area: Productivity enhancement of fruit crop
Thematic Area: Fruit production
Season: Rabi 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Pusa Dwarf	1	Full package	In relation to high yielding variety of papaya crop	Plant, INM, IPM	5000	3500	3	0	0	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 management of papaya cultivation	2	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

(i)
Crop: Mushrom
Thrust Area: Publicity of mushroom
Thematic Area: Mushroom cultivation
Season: Rabi 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Oyster	10 unit	Full package	In relation to publicity of mushroom crop	Seed, INM, IPM	5000	0	3	0	0	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 oyster mushroom cultivation	2	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

(j)

Crop: Mango
Thrust Area: Productivity enhancement of fruit crop
Thematic Area: Fruit production
Season: Summer 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Mango	1	Fruit fly lure trap	In relation to management of mango fruit fly in mango crop	Lure (methyl eugenol)	2000	1000	3	0	0	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 management of mango fruit fly	2	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

(k)

Crop: Okra
Thrust Area: Productivity enhancement of vegetable crop
Thematic Area: IPM
Season: Summer 2019-20
Farming Situation: Medium land 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo /ha	Local/ha	M	F	M	F	M	F	M	F	T
1	Bhindi (okra)	1	Acaricide component	In relation to management of mite in okra crop	Dicofol 18.5EC	2000	1000	3	0	0	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 red spider mite management of okra	2	Farmers	1 days	On/off	2	1	0	0	15	4	17	5	22

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

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

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	As per Director, Seeds and Farms' approval and supply	Kharif-2019	5.0	Seed	120	244250	360000	115750
Pigeon Pea	NDA-1	Kharif-2019	2.0	Seed	12	26784	100000	73216
Pea	HUDP-15	Rabi-2019-2020	2.0	Seed	12	32040	72000	39960
Lentil	HUL-57	Rabi-2019-2020	2.0	Seed	18	20040	144000	123960
Rapeseed and Mustard	R. Suphlam	Rabi-2019-2020	2.0	Seed	22	16440	176000	159560
Wheat	As per Director, Seeds and Farms' approval and supply	Rabi-2019-2020	6.0	Seed	150	152000	450000	298000
IFS								
Papaya	Hybrid		1000	Plant		3000	5000	2000
Cauliflower/ Cabbage	Hybrid		5000	Plant		1200	2500	1300
Tomato	Hybrid		1000	Plant		500	1000	500
Brinjal	Hybrid		1000	Plant		500	1000	500
Chilli	Hybrid		1000	Plant		500	1000	500
Cucurbitacae crop	Hybrid		1000	Plant		700	2000	1300
Medicinal and Aromatic plants				Plant				

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.)
Pigeon Pea	NDA-1	Kharif-2019	5	20					
Lentil	HUDP-15	Rabi-2019-2020	70	100					
Gram	HUL-57	Rabi-2019-2020	10	30					
Green Gram			10	20					

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	20	540	108	648	12%	5	1	6	545	109	654
2.	KisanMela	2	210	42	252	12%	25	5	30	235	47	282
3.	KisanGhosthi	10	400	80	480	12%	5	1	6	405	81	486
4.	Exhibition	4	100	20	120	12%	10	2	12	110	22	132
5.	Film Show	0	0	0	0	0	0	0	0	0	0	0
6.	Method Demonstrations	0	0	0	0	0	0	0	0	0	0	0
7.	Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
8.	Workshop	0	0	0	0	0	0	0	0	0	0	0
9.	Group meetings	0	0	0	0	0	0	0	0	0	0	0
10.	Lectures delivered as resource persons	12	480	96	576	12%	10	2	12	490	98	588
11.	Advisory Services	100	5000	1000	6000	12%	0	0	0	5000	1000	6000
12.	Scientific visit to farmers field	250	200	40	240	12%	0	0	0	200	40	240
13.	Farmers visit to KVK	300	200	40	240	12%	0	0	0	200	40	240
14.	Diagnostic visits	0		0	0	0	0	0	0	0	0	0

15.	Exposure visits	0		0	0	0	0	0	0	0	0	0
16.	Ex-trainees Sammelan	0		0	0	0	0	0	0	0	0	0
17.	Soil health Camp	5	100	20	120	12%	0	0	0	100	20	120
18.	Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0
19.	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
20.	Soil test campaigns	5	100	20	120	12%	5	1	6	105	21	126
21.	Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
22.	Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
23.	MahilaMandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
24.	Celebration of important days (specify)	0	0	0	0	0	0	0	0	0	0	0
25.	Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
26.	Swatchta Hi Sewa	4	40	8	48	12%	5	1	6	45	9	54
27.	Mahila Kisan Diwas	1	0	40	40	12%	0	10	10	0	50	50
28.	Any Other (Specify)	0	0	0	0	0	0	0	0	0	0	0
	Total	**713**	**7370**	**1514**	**8884**		**65**	**23**	**88**	**7435**	**1537**	**8972**

7. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
503420	725000	1200000

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
KVK	Zone IV, ICAR, Patna	125.00
National Initiative on Climate Resilient Agriculture	CRIDA, Hyderabad	16.85
Technology Assessment and Refinement	ATMA, Saran	0.20
Total		**142.05**

9. On-farm trials to be conducted*

OFT 1

i	Season:	Rabi
ii	Title of the OFT:	Effect of different packaging materials on the shelf life of Button mushroom
iii	Thematic Area:	Value Addition
iv	Problem diagnosed:	Highly perishable, enzymatic browning, high respiration rate, tends to oxidative deterioration
v	Important Cause:	
vi	Production system:	
vii	Micro farming system:	
viii	Technology for Testing:	Packaging materials
ix	Existing Practice:	LDPE films with perforation
x	Hypothesis:	Shelf life will increase
xi	Objective(s):	to study the shelf life of button mushroom under different packaging materials
xii	Treatments:	
	Farmers Practice (FP):	LDPE films with perforation
	Technology option-I (TO-I):	Use of Plastic punnets with PVC film
	Technology option-II (TO-II)	Use of Plastic punnets (HIPS) with PVC film and oxygen scavenger
	Technology option-III (TO-III)	Use of Plastic punnets (PVC) material with PVC film and oxygen scavenger
xiii	Critical Inputs:	LDPE films, HIPS, PVC films, oxygen scavneger, etc
xiv	Unit Size:	
xv	No of Replications:	5
xvi	Unit Cost:	2000
xvii	Total Cost:	10000

xviii	Monitoring Indicator:	Weight, colour, shelf life, sensory
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	SAU, PalamPur

OFT 2

i	Season:	Rabi
ii	Title of the OFT:	Effect of different pre-treatments of the shelf life of Button mushroom
iii	Thematic Area:	Value Addition
iv	Problem diagnosed:	Highly perishable, enzymatic browning, high respiration rate, tends to oxidative deterioration
v	Important Cause:	
vi	Production system:	
vii	Micro farming system:	
viii	Technology for Testing:	Pretretments prior to marketing
ix	Existing Practice:	Treating with 0.5% KMS solution
x	Hypothesis:	Shelf life will increase
xi	Objective(s):	
xii	Treatments:	
	Farmers Practice (FP):	Treating with 0.5% KMS solution
	Technology option-I (TO-I):	Treatment with 0.5% KMS+0.5% NaCl
	Technology option-II (TO-II)	Treatment with 0.5% KMS+0.5% NaCl+0.5 % CaCl2
xiii	Critical Inputs:	KMS, NaCl, CaCl2, packaging films
xiv	Unit Size:	
xv	No of Replications:	5
xvi	Unit Cost:	2000
xvii	Total Cost:	10000
xviii	Monitoring Indicator:	Weight, colour, shelf life, sensory
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	Warner School of Food and Dairy Technology, SHIATS, Allahabad (UP), India

OFT 3

i	Season:	Kharif
ii	Title of the OFT:	Performance Evaluation of Improved Sickles for Female Agriculture Workers for Crop Harvesting
iii	Thematic Area:	Location specific drudgery reduction technologies
iv	Problem diagnosed:	Accumulation of load of work on farm women due to using age old sickle
v	Important Cause:	Traditional sickle lowers down the productivity
vi	Production system:	
vii	Micro farming system:	
viii	Technology for Testing:	Improved sickle

ix	Existing Practice:	harvesting is being done by old sickle
x	Hypothesis:	use of improved sickle will help farm women reducing the drudgery the face to a significant level
xi	Objective(s):	* Reduction in the drudgery faced by the women * increasing efficiency
xii	Treatments:	
	Farmers Practice (FP):	Traditional sickle
	Technology option-I (TO-I):	Improved sickle with wooden handle
	Technology option-II (TO-II):	Improved sickle with plastic handle
	Technology option-III (TO-III)	Improved Vaibhav sickle by CIAE Bhopal
xiii	Critical Inputs:	l
xiv	Unit Size:	0.02 ha
xv	No of Replications:	10
xvi	Unit Cost:	₹1000
xvii	Total Cost:	₹ 10000
xviii	Monitoring Indicator:	Harvesting Efficiency (%), Cost of operations (Rs), Time Consumed (hr/ha)
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	CCSHAU HISAR CIAE Bhopal

OFT 4

i	Season:	Rabi
ii	Title of the OFT:	Assessment of protective clothing and accessories for farm works
iii	Thematic Area:	Location specific drudgery reduction technologies
iv	Problem diagnosed:	Farm workers are constantly exposed to multiple hazards in several forms
v	Important Cause:	Ignorance in work related occupational safety
vi	Production system:	
vii	Micro farming system:	
viii	Technology for Testing:	Protective clothing and accessories
ix	Existing Practice:	
x	Hypothesis:	Protective clothing will give relief against environmental health hazard as well as protection against harmful chemicals.
xi	Objective(s):	* reducing health hazard * increasing efficiency
xii	Treatments:	
	Farmers Practice (FP):	No protective clothing
	Technology option-I (TO-I):	Protective clothing developed by AICRP on Home Science, CCSHAU, Hisar
	Technology option-II (TO-II):	Protective clothing developed by GBPUAT, Pantnagar
xiii	Critical Inputs:	1
xiv	Unit Size:	10
xv	No of Replications:	10
xvi	Unit Cost:	₹3000

xvii	Total Cost:	₹10,000
xviii	Monitoring Indicator:	Functional features of garments/accessories, Efficacy testing, Adoption feasibility
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	AICRP on Home Science, CCSHAU, Hisar GBPUAT, PAntnagar

OFT 5

i	Season:	Rabi (Winter season)
ii	Title of the OFT:	Effect of mulching and borax on fruit yield, quality and shelf life of litchi cv. Shahi (*Litchi chinensis* Sonn) in Saran district of Bihar.
iii	Thematic Area:	Yield and quality improvement
iv	Problem diagnosed:	Plants needs frequent irrigation during the fruiting period to ensure high yield and quality. But due to lack of soil moisture and deficiency of micro-nutrients, most of the litchi orchards produce poor quality fruits.
v	Important Cause:	Farmers are not known about these technology
vi	Production system:	Fruit production
vii	Micro farming system:	
viii	Technology for Testing:	
ix	Existing Practice:	
x	Hypothesis:	Therefore, for profitable litchi cultivation, use of mulching and foliar spray of micronutrient in crop is beneficial.
xi	Objective(s):	Date of flowering, Days taken to flowering, fruit drop and cracking(%), Fruit yield(kg/plant), TSS (^{o}B), acidity(%) and ascorbic acid(mg/100g), Shelf life (days) & CC, GR, NR, B: C ratio
xii	Treatments:	3
	Farmers Practice (FP):	Mulching and borax are not used by farmers
	Technology option-I (TO-I):	Black polyethylene sheet (100 micron)
	Technology option-II (TO-II):	Borax @ 0.2%
xiii	Critical Inputs:	Black mulch Polyethylene sheet and Borax
xiv	Unit Size:	
xv	No of Replications:	8
xvi	Unit Cost:	
xvii	Total Cost:	10000
xviii	Monitoring Indicator:	
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	NRC Litchi Muzaffarpur

OFT 6

i	Season:	Summer season
ii	Title of the OFT:	Effect of different methods of crop regulation in guava for quality fruit production in winter season
iii	Thematic Area:	Quality improvement
iv	Problem diagnosed:	Due to non adoption of crop regulation, most of the guava orchards produce fruits in rainy season. Rainy season guava fruits are poor in quality, insipid in taste due to less TSS and heavily infested by fruit fly due which rainy season guava fetches less price in the market.
v	Important Cause:	Farmers are not known about these technology
vi	Production system:	Fruit production
vii	Micro farming system:	
viii	Technology for Testing:	
ix	Existing Practice:	
x	Hypothesis:	For profitable guava cultivation, removal of rainy season crop and promotion of winter season crop is advisable.
xi	Objective(s):	Yield of rainy and autumn season crop (Kg/ plants), average fruit weight of rainy and autumn season crop (g), fruit TSS (^{0}B) in rainy and autumn season crop, infested fruits (%) in rainy and autumn season crop and CC, GR, NR, B: C ratio
xii	Treatments:	3
	Farmers Practice (FP):	Crop regulation
	Technology option-I (TO-I):	Urea is not used by farmers for crop regulations.
	Technology option-II (TO-II):	Urea @ 10%
xiii	Critical Inputs:	Urea and sticker
xiv	Unit Size:	
xv	No of Replications:	8
xvi	Unit Cost:	
xvii	Total Cost:	5000
xviii	Monitoring Indicator:	
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ICAR-AICRP on Subtropical fruits

OFT 7

i	Season:	Kharif
ii	Title of the OFT:	Assessment of growth and mortality of different types of carp fish seed in fresh water fish culture system in Saran district of Bihar
iii	Thematic Area:	Composite Fish Culture

iv	Problem diagnosed:	1. Non-Availability of good quality fish seed. 2. Stocking of fish seed in stocking pond from unknown sources and irrespective of their sizes, is very common practice in the district results in declined growth and production.
v	Important Cause:	
vi	Production system:	Carp Fish Production
vii	Micro farming system:	
viii	Technology for Testing:	Growth and mortality of different carp fish seeds.
ix	Existing Practice:	Stocking of Fish Fry @15000/ha
x	Hypothesis:	Minimized mortality with higher production
xi	Objective(s):	To test the growth and mortality of different types of carp fish seed.
xii	Treatments:	
	Farmers Practice (FP):	Stocking of Fish Fry @15000/ha
	Technology option-I (TO-I):	Stocking of fingerling @8000/ha
	Technology option-II (TO-II):	Stocking of yearling @4000/ha
	Critical Inputs:	Yearling of IMC fish.
xiii	Unit Size:	0.05 ha (Pond Size approx.)
xiv	No of Replications:	8
xv	Unit Cost:	2500
xvi	Total cost:	20000
xvii	Monitoring Indicator:	i. Weight gain, ii. Mortality percentage, iii.CC, GR,NR, B:C ratio
xviii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	

OFT 8

i	Season:	
ii	Title of the OFT:	Assessment of different chemotherapeutics used for controlling “Argulosis” disease in fresh water fish culture system in Saran district of Bihar.
iii	Thematic Area:	Fish Disease Management
iv	Problem diagnosed:	Regular occurrence of a fish disease i.e., Argulosis
v	Important Cause:	
vi	Production system:	Carp Fish Production
vii	Micro farming system:	
viii	Technology for Testing:	Efficiency of different chemotherapeutics against Argulosis, a fish disease.
ix	Existing Practice:	Use of lime @ 100 Kg/acre/mtr
x	Hypothesis:	Parasite Argulus will be sensitive against Cypermethrin.
xi	Objective(s):	To test the efficacy of different chemotherapeutics against

		Argulosis disease.
xii	Treatments:	
	Farmers Practice (FP):	Use of lime @ 100 Kg/acre/mtr
	Technology option-I (TO-I):	Cypermethrin @ 100 mL/acre/mtr
	Technology option-II (TO-II):	Potassium Permanganate @ 5mg/L
xiii	Critical Inputs:	I. Cypermethrin ii. Potassium Permanganate
xiv	Unit Size:	0.10 ha (Pond Size approx.)
xv	No of Replications:	8
xvi	Unit Cost:	1500
xvii	Total cost:	12000
xviii	Monitoring Indicator:	i. Number of disease incidences ii. Weight gain in 6 month iii. B:C ratio
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	

OFT 9

i	Season:	Rabi, 2019-20
ii	Title of the OFT:	Assessment of pod borer management of chickpea in Saran District (Bihar)
iii	Thematic Area:	IPM
iv	Problem diagnosed:	Chickpea is the most widely grown pulse crop of Saran district but the productivity of chickpea is quite low due to pod borer infestation. The infested fields are sprayed by huge amount of chemical pesticides. So, this pest has developed to high resistance. Ultimately pest population is high and crop yield very low.
v	Important Cause:	Low productivity
vi	Production system:	Enhancement in the productivity of pulses through IPM tools
vii	Micro farming system:	
viii	Technology for Testing:	Management of gram pod bore through IPM tools for increasing productivity
ix	Existing Practice:	In discernment use of insecticides.
x	Hypothesis:	Use of Pheromone traps and Neonicotinoids group pesticides (spinosad) may reduce the gram pod borer infestation at a very low economic without any environmental hazard.
xi	Objective(s):	To Assessment of IPM tools against gram pod borer
xii	Treatments:	
	Farmers Practice (FP):	Spray of quinalphos @ 2 ml/l water at time of pod formation
	Technology option-I (TO-I):	Two spray of Profenophos 50% EC @ 1.5 ml/liter of

		water, First at 50% of flower formation and second spray at 50% pod formation
	Technology option-II (TO-II):	Use of Pheromone trap @ 20/ha at flowering time and spray of spinosad 45 SC @ 0.3 ml/liter at time of 50% of pod formation
xiii	Critical Inputs:	Profenophos 50% EC , Pheromone trap and spinosad 45 SC
xiv	Unit Size:	0.05 ha
xv	No of Replications:	8
xvi	Unit Cost:	1250
xvii	Total cost:	10000
xviii	Monitoring Indicator:	No. of infected pod/plant/sq m , Per cent infestation, Total weight of grain/sq m, Total grain yield/ha, CC, GR, NR, B:C Ratio
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	BHU, Varanasi

OFT 10

i	Season:	Summer
ii	Title of the OFT:	Assessment of inset-pest management of mango leaf hopper in Saran District (Bihar)
iii	Thematic Area:	IPM
iv	Problem diagnosed:	Mango fruit cultivation is a most popular fruit in Saran District of Bihar. But, last five years productivity is very low due to high infestation of mango leaf hopper during flowering time (February to April). Large number of nymphs and adult insects puncture and suck the sap of tender parts of flower. Heavy puncturing and continuous draining of the sap causes curling and drying of the infested part. Farmers are indiscriminate use of pesticides then pest has developed to high resistance. Ultimately, fruits production is very low.
v	Important Cause:	Low productivity
vi	Production system:	Enhancement in the productivity of fruit
vii	Micro farming system:	
viii	Technology for Testing:	Effective of new molecules chemical against mango leaf hopper.
ix	Existing Practice:	In discernment use of insecticides against this pest.
x	Hypothesis:	An Imidacloprid and acephate insecticide has best effective against sucking pest. So, it will be good performance against mango leaf hopper.
xi	Objective(s):	To assessment of imidacloprid and acephate against mango leaf hopper.
xii	Treatments:	
	Farmers Practice (FP):	Spray of dimethoate 30EC @ 1 ml/liter of water
	Technology option-I	Two Spray of acephate 75% SP(1.5 g per liter of water)

	(TO-I):	should be done, first at early stages of panicle formation and second spray should be carried out after fruit set
	Technology option-II (TO-II):	Two Spray of imidacloprid 17.8 SL (0.005%, 0.3 ml per liter of water) should be done at early stages of panicle formation and second spray should be carried out after fruit set.
xiii	Critical Inputs:	Imidacloprid 17.8 SL and acephate 75% SP.
xiv	Unit Size:	0.01 ha
xv	No of Replications:	8
xvi	Unit Cost:	800
xvii	Total cost:	6400
xviii	Monitoring Indicator:	Pre-treatment and after treatment (population count), Total yield/plant, CC, GR, NR, B:C Ratio
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ICAR, SAU

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.)
	National Initiative on Climate Resilient Agriculture	16.00
	Soil and Water testing laboratory	20.00
	Micro Nutrient Laboratory	40.00
	Cluster Demonstration	10.00

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

a) Vermicomposting
b) Integrated farming System
c) Mushroom production
d) Banana Cultivation
e) Fish Farming
f) Poultry Production

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
19.06.2018	19.06.2019

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	30	10	0	0	40	20	70	30	100	10	1000
Water Samples												
Other (Please specify)												
Total	**1000**	**30**	**10**	**0**	**0**	**40**	**20**	**70**	**30**	**100**	**10**	**1000**

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
Recurring		
Pay & allowance	56.89	90.54
Contingency	13.49	15.00
TA	1.60	2.00
HRD	0.32	0.75
Total	**72.30**	**108.29**
Non-recurring		
Fencing –cum- Boundary Wall	0	100
Land Leveling	0	2
Road construction	0	10
Farm Ponds	0	5
Implement Shed	0	10
Water Harvesting System	0	10
ATIC Building	0	4
Soil Testing Laboratory Building	0	10
Sale counter	0	4
Small building for Security Guard	0	4
Generator room	0	4
External Energisation	0	6
Generator	0	5
Air conditioner for e-connectivity room	0	1.5
Air conditioner For Office, VIP Guest Room, Soil testing laboratory and Community Radio Station	0	1.5
EPABX System	0	1
Solar UPS	0	2
Water Filter with refrigeration	0	0.25
Refrigerator	0	0.25
Filing Cabinet	0	1
Epidiascope	0	0.25
Slide Projector	0	0.25
OHP	0	0.25
Community Radio Station	0	20
Video Conferencing facility	0	10
Television with Cable facility	0	0.5
Micro Irrigation	0	4
Mini Combine Harvester	0	8
Baler	0	1
Net House	0	3
Laser Leveler	0	5
FIRB Planter	0	1
Paddy Transplanter	0	4
Soil Testing Laboratory	0	20
Micro-nutrient Laboratory with residue analysis facility	0	20
Animal Health Check up laboratory	0	20
Plant Health Clinic	0	5
Sofa for guests	0	0.25
Shelf	0	0.4
Table for scientist and staff/Assistants	0	0.5

Chair for Scientists and visiting farmers	0	0.5
Round table	0	2
Chair	0	0.6
Almirah	0	0.5
File keeping Shelf	0	0.5
Furnishing for soil and water testing laboratory	0	1
Beds including all accessories	0	2
Working table and chair	0	1
Dining Table	0	0.4
Table	0	0.2
Chair	0	0.4
Utensils for mess	0	0.25
Table	0	0.25
Chair	0	0.4
Book Shelf	0	0.5
Table/ Chair	0	0.5
Tractor with accessories and sensors for Variable Rate Application	0	5.0
Motor cycle	0	0
Mobile soil testing Laboratory	0	25
Mini bus for collecting Farmers	0	10
Total	52.08	**498.9**

* 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.

Conservation Agriculture Technology in Wheat

Conventional practices of wheat production in Saran district of Bihar are suffer from various obstacles like scarcity of land, labour, water and also low nutrient status due to organic matter content & high soluble salts. The conventional wheat planting system involves repeated dry tillage to prepare the field followed by broadcasting of wheat seeds which also leads to further delay in wheat seeding by almost a week compared to zero tillage planting. Because of the shorter growing period coupled with its delayed planting, wheat grain filling stage coincides with high temperature (terminal heat) leading to large yield penalty. Though the application of irrigation water at grain filling stage helps in adapting to terminal heats, most farmers in Saran district do not have economical access to irrigation water and hence, wheat suffers from high temperature stress at grain filling with yield losses up to 30%. Intensive agricultural production system is labour, water and energy-intensive and is becoming less profitable as these resources are becoming increasingly scarce and costly. In other word seeding of wheat crop beyond November decreases its productivity by 30-50 kg ha^{-1} day^{-1}. Therefore, farmers of Saran has been moves to recent technology *i.e.*, conservation Agriculture. Appropriate conservation agriculture technology encompasses innovative crop production system that combines three basic principles: minimum mechanical disturbances of soil, rational retention of adequate crop residues on the soil surface for long time, and use of sensible crop rotation.

Conservation agriculture technologies can influence soil properties by altering soil conditions and consequently have a direct bearing on crop growth and subsequent sustainable production. Conservation agriculture technologies like, zero tillage wheat planting combined with residue retention have been coined as sustainable cultivation systems. The performances of conservation agriculture technology under different farmer's fields of district have been given below:

Sr. No.	Technologies	Farmers covered	Areas (ha)	Yields	Cost of Cultivation (Rs./ha)	Gross return	Net return (Rs/ha)	BCR
1.	Zero tillage wheat	165	72	48.0	36540	81600.00	45060.00	2.23
2.	Zero tillage wheat with rice residues retention	145	62	52.0	38250	88400.00	50150.00	2.31

Seed sowing with zero tillage machine

Crop establishment stage under zero tillage

Crown root initiation stage of wheat

Maturity stage of wheat under zero tillage