

Action Plan

(April 2019 – March 2020)



Presented in Annual Zonal Workshop of
KVKs of ZONE IV & V

HELD AT

Uttar Banga Krishi Viswavidyalaya,

Cooch Behar, West Bengal

(08TH - 10TH June 2019)



KRISHI VIGYAN KENDRA, BHOJPUR, ARA,

Water and Land Management Institute (WALMI)

Phulwari Sharif, Patna

ACTION PLAN 2019-2020

1. Name of the KVK:

Address	Telephone	E mail
Krishi Vigyan Kendra, Bhojpur, Japanese Farm, Katira, Ara, Bhojpur. Bihar – 802302	9431091369	bhojpurkvk@gmail.com

2. Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Director Water and Land Management Institute (WALMI) Phulwari Sharif, Patna			

3. Name of the Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Pravin Kumar Dwivedi Senior Scientist & Head	9006658283	9431091369	bhojpurkvk@gmail.com

4. Year of sanction of KVK:

(Reference of Sanction Order) 5(1)/93, KVK, (AE-1): Date 06-07-1994

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
Home Science House hold food security by kitchen gardening and nutrition gardening	Importance of nutritional garden for human health	1	2	OFF	3-4.7.19	-	5	-	-	-	20	-	25	25
	Development of Nutritional garden to improve health status of the farm family	1	2	OFF	15-16.10.19	-	5	-	-	-	20	-	25	25
	Importance of Nutritional garden for human health	1	2	OFF	16-17.1.20	-	5	-	-	-	20	-	25	25
	Development of Nutritional garden for gainful employment	1	2	ON	8-9.5.19	-	5	-	-	-	20	-	25	25
	Development of Nutritional garden to improved health status of the farm family	1	2	ON	7-8.6.19	-	5	-	-	-	20	-	25	25
Total		5	10			-	25	-	-	-	100	-	125	125
Design and development of	Mythology for development of low cost diet for better	1	2	OFF	8-9.11.19	-	5	-	-	-	20	-	25	25

low/minimum Cost diet	health													
	Preparation of low cost balanced diet for mother & children	1	2	OFF	9-10.4.19	-	5	-	-	-	20	-	25	25
	Mythology for development of low cost diet for better health	1	2	ON	29-30.5.19	-	5	-	-	-	20	-	25	25
	Mythology for development of low cost diet for better health	1	2	ON	20-21.1.20	-	5	-	-	-	20	-	25	25
Total		4	8				20				80		100	100
Gender mainstreaming through SHG's	For Women employment Role of SHG	1	2	OFF	10-11.7.19	-	5	-	-	-	20	-	25	25
	Leadership development for entrepreneurship character development in rural Women	1	2	OFF	18-19.10.19	-	5	-	-	-	20	-	25	25
	Leadership development for entrepreneurship character development in rural Women	1	2	OFF	3-4.2.20	-	5	-	-	-	20	-	25	25
Total		3	6				15				60		75	75
Storage loss minimization techniques	Control of Godown insect in cereal storage	1	2	OFF	12-13.7.19	-	5	-	-	-	20	-	25	25
	Techniques of insect free	1	2	OFF	10-11.6.19	-	5	-	-	-	20	-	25	25

	Pulses Storage													
	Control of House hold Pest in Paddy	1	2	OFF	24-25.9.19	-	5	-	-	-	20	-	25	25
	Different way of scientific grain storage	1	2	ON	25-26.4.19	-	5	-	-	-	20	-	25	25
	Different way of scientific grain storage	1	2	ON	22-23.10.19	-	5	-	-	-	20	-	25	25
	Control of Godown insect in cereal storage	1	2	ON	11-12.2.20	-	5	-	-	-	20	-	25	25
Total		6	12				30				120		150	150
Value addition	Grading parameters for better marketing opportunity in vegetable marketing	1	2	OFF	15-16.5.19	-	5	-	-	-	20	-	25	25
	Preparation of different types of pickle from locally available material	1	2	OFF	13-14.6.19	-	5	-	-	-	20	-	25	25
	Tomato Preservation	1	2	OFF	14-15.2.20	-	5	-	-	-	20	-	25	25
	Value addition of Mango product	1	2	OFF	19-20.6.19	-	5	-	-	-	20	-	25	25
	Grading parameters for better marketing opportunity in vegetable marketing	1	2	ON	17-18.7.19	-	5	-	-	-	20	-	25	25
	Guava Jelly making	1	2	ON	6-7.8.19	-	5	-	-	-	20	-	25	25

Total		6	12				30				120		150	150
Income generation activities for empowerment of rural women	Backyard Poultry farming a good source of Income	1	2	OFF	9-10.8.19	-	5	-	-	-	20	-	25	25
	Backyard Poultry farming a good source of Income	1	2	OFF	25-26.10.19	-	5	-	-	-	20	-	25	25
	Preparation of Potato Chips Badi & Papad	1	2	OFF	12-13.3.20	-	5	-	-	-	20	-	25	25
	Mushroom Cultivation	1	2	OFF	5-6.11.19	-	5	-	-	-	20	-	25	25
	Mushroom Cultivation	1	2	OFF	3-4.12.19	-	5	-	-	-	20	-	25	25
	Mushroom Cultivation	1	2	OFF	6-7.1.20	-	5	-	-	-	20	-	25	25
	Mushroom Cultivation	1	2	OFF	25-26.3.20	-	5	-	-	-	20	-	25	25
Total		7	14				35				140		175	175
Location Specific drudgery reduction technology	Drudgery reduction through chemical in Paddy	1	2	OFF	20-21.8.19	-	5	-	-	-	20	-	25	25
	Drudgery reduction through Weedicide in vegetable production	1	2	OFF	19-20.11.19	-	5	-	-	-	20	-	25	25
	Drudgery reduction through Weedicide in vegetable	1	2	OFF	18-19.2.20	-	5	-	-	-	20	-	25	25

	production													
	Drudgery reduction through chemical in Paddy	1	2	OFF	17-18.9.19	-	5	-	-	-	20	-	25	25
Total		4	8				20				80		100	100
Rural Craft	Candle making	1	2	OFF	17-18.12.19	-	5	-	-	-	20	-	25	25
	Tye & Dye Batik Painting	1	2	OFF	6-7.12.19	-	5	-	-	-	20	-	25	25
	Preparation of decorative items from locally available materials	1	2	OFF	29-30.4.19	-	5	-	-	-	20	-	25	25
	Candle making	1	2	ON	22-23.11.19	-	5	-	-	-	20	-	25	25
	Tye & Dye Batik Painting	1	2	ON	21-22.5.19	-	5	-	-	-	20	-	25	25
	Candle making	1	2	ON	2-3.3.20	-	5	-	-	-	20	-	25	25
Total		6	12				30				120		150	150
Women & Child Care	Use of pulses & Local vegetable in child diet	1	2	OFF	20-21.9.19	-	5	-	-	-	20	-	25	25
	To minimize body stress in high temperature condition with use of fruit & beverage	1	2	OFF	4-5.4.19	-	5	-	-	-	20	-	25	25
	Supplementary nutrition when why and how	1	2	OFF	9-10.1.20	-	5	-	-	-	20	-	25	25
	Use of pulses & local vegetable in child diet	1	2	ON	11-12.12.19	-	5	-	-	-	20	-	25	25

	Supplementary nutrition when why and how	1	2)N	28-29.8.19	-	5	-	-	-	20	-	25	25
Minimization of nutrient loss in processing	Prevention of nutritional loss during cooking process	1	2	OFF	9-10.3.20	-	5	-	-	-	20	-	25	25
	Preparation of energy efficient diet	1	2	OFF	13-14.9.19	-	5	-	-	-	20	-	25	25
Total		7	14				35				140		175	175
GT		48					240				960		1200	1200
PBG														
Cropping System	Scientific cultivation of Green Gram	1	2	ON	5-6.4.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Green Gram	1	2	ON	15-16.4.19	5	-	-	-	20	-	25	-	25
	Water management in Summer Moong	1	2	ON	7-8.5.19	5	-	-	-	20	-	25	-	25
	Water management in Summer Moong	1	2	ON	14-15.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Green Gram	1	2	OFF	2-3.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Green Gram	1	2	OFF	11-12.5.19	5	-	-	-	20	-	25	-	25
	Water management in Summer Moong	1	2	OFF	13-14.5.19	5	-	-	-	20	-	25	-	25
	Water management in Summer	1	2	OFF	15-16.5.19	5	-	-	-	20	-	25	-	25

	Moong													
Total		8	16			40				160		200		200
Production of Organic Inputs	Green Mannuring in Transplanted Rice	1	2	ON	3-4.6.19	5	-	-	-	20	-	25	-	25
	Green Mannuring in Transplanted Rice	1	2	ON	7-8.6.19	5	-	-	-	20	-	25	-	25
	Green Mannuring in Transplanted Rice	1	2	OFF	10-11.6.19	5	-	-	-	20	-	25	-	25
	Green Mannuring of Dhaicha	1	2	OFF	20-21.5.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Crop Diversification	Scientific cultivation of Hybrid Maize	1	2	OFF	22-23.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Hybrid Maize	1	2	OFF	28-29.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Hybrid Maize	1	2	OFF	30-31.5.19	5	-	-	-	20	-	25	-	25
	Cultivation of Pearl millet in drought prone area	1	2	OFF	21-22.5.19	5	-	-	-	20	-	25	-	25
	Cultivation of short duration Paddy to mitigate climate change	1	2	OFF	14-15.6.19	5	-	-	-	20	-	25	-	25
	Commercial production of Scented Rice	1	2	OFF	4-5.6.19	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150

Weed management	Weed control in transplanted Rice	1	2	ON	12-13.7.19	5	-	-	-	20	-	25	-	25
	Weed control in DSR	1	2	ON	20-21.6.19	5	-	-	-	20	-	25	-	25
	Weed management in Wheat	1	2	ON	25-26.10.19	5	-	-	-	20	-	25	-	25
	Weed management in Lentil	1	2	OFF	9-10.10.19	5	-	-	-	20	-	25	-	25
	Weed management in Chickpea	1	2	OFF	30-31.10.19	5	-	-	-	20	-	25	-	25
Total		5	10			25				100		125	-	125
Production and Use of Organic Inputs	Use of Bio-fertilizer in Paddy	1	2	ON	16-17.6.19	5	-	-	-	20	-	25	-	25
	Use of Bio-fertilizer in Wheat	1	2	OFF	6-7.11.19	5	-	-	-	20	-	25	-	25
Total		2	4			10				40		50	-	50
Micronutrient Deficiency in Crop	Zinc and Boron application in Paddy	1	2	OFF	2-3.8.19	5	-	-	-	20	-	25	-	25
	Role of Micronutrients in Pulses	1	2	OFF	4-5.11.19	5	-	-	-	20	-	25	-	25
Total		2	4			10				40		50	-	50
Nursery Management	Preparation of raised bed nursery of Rice	1	2	ON	2-3.5.19	5	-	-	-	20	-	25	-	25
	Preparation of Rice Nursery for SRI	1	2	ON	1-2.5.19	5	-	-	-	20	-	25	-	25
Total		2	4			10				40		50		50
Seed Production	Seed Production of Medium	1	2	OFF	1-2.7.19	5	-	-	-	20	-	25	-	25

	duration Rice													
	Seed production of Lentil	1	2	OFF	3-4.10.19	5	-	-	-	20	-	25	-	25
	Seed production of Gram	1	2	OFF	8-9.11.19	5	-	-	-	20	-	25	-	25
	Seed production of timely sown Wheat	1	2	OFF	13-14.11.19	5	-	-	-	20	-	25	-	25
	Seed Production of Late Sown Wheat	1	2	ON	15-16.11.19	5	-	-	-	20	-	25	-	25
	Training on Handling of Quality Seed (Threshing, Packaging & Storing)	1	2	ON	13-14.3.20	5	-	-	-	20	-	25	-	25
	Seed production of Wheat	1	2	ON	20-21.11.19	5	-	-	-	20	-	25	-	25
Total		7	14			35				140		175		175
Seed Treatment	Seed treatment in Rice	1	2	OFF	4-5.6.19	5	-	-	-	20	-	25	-	25
	Seed treatment in Lentil	1	2	OFF	22-23.10.19	5	-	-	-	20	-	25	-	25
	Seed treatment in Chickpea	1	2	OFF	15-16.10.19	5	-	-	-	20	-	25	-	25
	Seed treatment in Wheat	1	2	OFF	18-19.10.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Integrated Disease Management	Wilt control in Lentil	1	2	OFF	18-19.11.19	5	-	-	-	20	-	25	-	25
	Wilt control in Chickpea	1	2	OFF	1-2.11.19	5	-	-	-	20	-	25	-	25

Total		2	4			10				40		50		50
Seed Production	Seed production techniques in Lentil	1	2	ON	11-12.10.19	5	-	-	-	20	-	25	-	25
	Seed production techniques in Chickpea	1	2	ON	25-26.11.19	5	-	-	-	20	-	25	-	25
	Seed production of Wheat	1	2	ON	22-23.11.19	5	-	-	-	20	-	25	-	25
	Seed production techniques in Lentil	1	2	OFF	2-3.12.19	5	-	-	-	20	-	25	-	25
	Seed production techniques in Lentil	1	2	OFF	4-5.12.19	5	-	-	-	20	-	25	-	25
	Seed production of Chickpea	1	2	OFF	6-7.12.19	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150
GT		48	96			240				960		1200		1200
Ag Extension	How SHGs helps small & Marginal farmers	1	2	OFF	13-14.8.19	5	-	-	-	20	-	25	-	25
	How SHGs helps small & Marginal farmers	1	2	OFF	18-19.10.19	5	-	-	-	20	-	25	-	25
	How SHGs helps small & Marginal farmers	1	2	OFF	5-6.11.19	5	-	-	-	20	-	25	-	25
	How SHGs helps small & Marginal	1	2	ON	3-4.1.20	5	-	-	-	20	-	25	-	25

	farmers													
	How SHGs helps small & Marginal farmers	1	2	ON	3-4.2.20	5	-	-	-	20	-	25	-	25
	Formation of FPOs for Seed Production	1	2	ON	16-17.8.19	5	-	-	-	20	-	25	-	25
	Formation of FPOs for Seed Production	1	2	ON	16-16.10.19	5	-	-	-	20	-	25	-	25
	Formation of FPOs for Seed Production	1	2	OFF	8-9.1.20	5	-	-	-	20	-	25	-	25
Total		8	16			40				160		200		200
Capacity Building	Awareness about different subsidies schemes of GOB	1	2	OFF	13-14.11.19	5	-	-	-	20	-	25	-	25
	Awareness about different subsidies schemes of GOB	1	2	OFF	22-23.11.19	5	-	-	-	20	-	25	-	25
	Awareness about different subsidies schemes of GOB	1	2	OFF	2-3.12.19	5	-	-	-	20	-	25	-	25
	Awareness about different subsidies schemes of GOB	1	2	OFF	15-16.1.20	5	-	-	-	20	-	25	-	25
	Capacity building among farmers for seed production	1	2	OFF	18-19.11.19	5	-	-	-	20	-	25	-	25
	Capacity building among farmers	1	2	ON	6-7.12.19	5	-	-	-	20	-	25	-	25

	for seed production													
	Capacity building among farmers for seed production	1	2	ON	10-11.2.20	5	-	-	-	20	-	25	-	25
	Capacity building among farmers for seed production	1	2	ON	2-3.3.20	5	-	-	-	20	-	25	-	25
Total		8	16			40				160		200		200
Group Dynamics	Role of farm Mechanization in DFI	1	2	OFF	9-10.12.19	5	-	-	-	20	-	25	-	25
	Role of farm Mechanization in DFI	1	2	OFF	13-14.12.19	5	-	-	-	20	-	25	-	25
	Role of farm Mechanization in DFI	1	2	OFF	20.21-1.20	5	-	-	-	20	-	25	-	25
	Role of farm Mechanization in DFI	1	2	OFF	14-15.2.20	5	-	-	-	20	-	25	-	25
	Importance and need of farmers field School	1	2	OFF	12-13.8.19	5	-	-	-	20	-	25	-	25
	Importance and need of farmers field School	1	2	ON	6-7.8.19	5	-	-	-	20	-	25	-	25
	Importance and need of farmers field School	1	2	ON	17-18.2.20	5	-	-	-	20	-	25	-	25
	Importance and need of farmers field School	1	2	ON	6-7.3.20	5	-	-	-	20	-	25	-	25
	Method & Importance of Soil testing for Enhancing farm Income	1	2	ON	5-6.4.19	5	-	-	-	20	-	25	-	25

	Method & Importance of Soil testing for Enhancing farm Income	1	2	ON	15-16.4.19	5	-	-	-	20	-	25	-	25
	Method & Importance of Soil testing for Enhancing farm Income	1	2	OFF	7-8.5.19	5	-	-	-	20	-	25	-	25
	Method & Importance of Soil testing for Enhancing farm Income	1	2	OFF	14-15.5.19	5	-	-	-	20	-	25	-	25
	Role of Green Mannuring for better crop production	1	2	OFF	10-11.5.19	5	-	-	-	20	-	25	-	25
	Role of Green Mannuring for better crop production	1	2	OFF	3-4.6.19	5	-	-	-	20	-	25	-	25
	Role of Green Mannuring for better crop production	1	2	ON	7-8.6.19	5	-	-	-	20	-	25	-	25
	Role of Green Mannuring for better crop production	1	2	ON	10-11.6.19	5	-	-	-	20	-	25	-	25
Total		16	32			80				320		400		400
Recourse Conservation technique	Direct Seeding of Wheat with ZT from minimizing moisture loss	1	2	ON	2-3.9.19	5	-	-	-	20	-	25	-	25
	Direct Seeding of Wheat with ZT from minimizing moisture loss	1	2	ON	6-7.9.19	5	-	-	-	20	-	25	-	25
	Direct Seeding of Wheat with	1	2	OFF	12-13.9.19	5	-	-	-	20	-	25	-	25

	ZT from minimizing moisture loss													
	Direct Seeding of Wheat with ZT from minimizing moisture loss	1	2	OFF	16-17.9.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Production of Organic Inputs	Use of Waste Decomposer for Recycling of Agricultural waste to control the boring of crop residue	1	2	OFF	14-15.6.19	5	-	-	-	20	-	25	-	25
	Use of Waste Decomposer for Recycling of Agricultural waste to control the boring of crop residue	1	2	OFF	9-10.7.19	5	-	-	-	20	-	25	-	25
	Use of Waste Decomposer for Recycling of Agricultural waste to control the boring of crop residue	1	2	ON	10-11.3.20	5	-	-	-	20	-	25	-	25
	Use of Waste Decomposer for Recycling of Agricultural waste to control the boring of crop residue	1	2	ON	17-18.3.20	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Formation & Management of SHGs	Formation of Farm Science Club to overcome the challenge of	1	2	ON	1-2.7.19	5	-	-	-	20	-	25	-	25

	changing climate													
	Formation of Farm Science Club to overcome the challenge of changing climate	1	2	ON	5-6.7.19	5	-	-	-	20	-	25	-	25
	Formation of Farm Science Club to overcome the challenge of changing climate	1	2	ON	2-3.8.19	5	-	-	-	20	-	25	-	25
	Formation of Farm Science Club to overcome the challenge of changing climate	1	2	OFF	3-4.10.19	5	-	-	-	20	-	25	-	25
	Formation of Farm Science Club to overcome the challenge of changing climate	1	2	OFF	10-11.10.19	5	-	-	-	20	-	25	-	25
Total		5	10			25				100		125		125
Soil & Water Testing	Techniques of Soil Sampling	1	2	OFF	2-3.4.19	5	-	-	-	20	-	25	-	25
	Techniques of Soil Sampling	1	2	OFF	8-9.4.19	5	-	-	-	20	-	25	-	25
	Techniques of Soil Sampling	1	2	OFF	2-3.5.19	5	-	-	-	20	-	25	-	25
Total		3	6			15				60		75		75
GT		48	96			240				960		1200		1200 S
Plant Protection	Integrated Pest Management in Okra	1	2	ON	20 - 21.4.19	5	-	-	-	20	-	25	-	25

IPM														
	Identification of Beneficial & Harmful insect	1	2	ON	27-28.4.19	5	-	-	-	20	-	25	-	25
	Insect & Pest management in Cucurbits	1	2	ON	4-5..5.19	5	-	-	-	20	-	25	-	25
	Control of Fruit Borer in vegetable	1	2	ON	11-12.5.19	5	-	-	-	20	-	25	-	25
	Top Borer Control in Maize	1	2	ON	25-26.5.19	5	-	-	-	20	-	25	-	25
	Stem borer & root borer control in Paddy	1	2	ON	20-21.7.19	5	-	-	-	20	-	25	-	25
	Control of leaf folder in Paddy	1	2	ON	19-20.8.19	5	-	-	-	20	-	25	-	25
	Insect & Pest control in Vegetable	1	2	ON	20-21.1.20	5	-	-	-	20	-	25	-	25
	Control of Cutworms in Cowpea	1	2	ON	19-20.2.20	5	-	-	-	20	-	25	-	25
	Control of YMV in Mung	1	2	ON	18-19.3.20	5	-	-	-	20	-	25	-	25
	Stem borer control in Brinjal	1	2	OFF	20-21.5.19	5	-	-	-	20	-	25	-	25
	Control of Fruit Borer in Cucurbits	1	2	OFF	2-3.9.19	5	-	-	-	20	-	25	-	25
	Integrated pest management in Mustard	1	2	OFF	10-11-4.10.19	5	-	-	-	20	-	25	-	25
	Control of Aphids Jassid & Thrips in Mustard	1	2	OFF	10.12.19	5	-	-	-	20	-	25	-	25
	Pod borer control in	1	2	OFF	3-4.1.20	5	-	-	-	20	-	25	-	25

	Pulses													
	Control of Termites	1	2	OFF	6-7.1.20	5	-	-	-	20	-	25	-	25
	Insect control in Okra	1	2	OFF	11-12.3.20	5	-	-	-	20	-	25	-	25
	Total	17	34			85				340		425		425
Production of Organic Inputs	Method of organic farming	1	2	ON	6-7.4.19	5	-	-	-	20	-	25	-	25
	Total	1		2		5				20		25		25
	Use & Preparation of Bio Pesticide	1	2	ON	11-12.4.19	5	-	-	-	20	-	25	-	25
	Total	1		2		5				20		25		25
RCT	Training on DSR	1	2	ON	2-3.6.19	5	-	-	-	20	-	25	-	25
	Direct seed Rice Cultivation	1	2	OFF	7-8.6.19	5	-	-	-	20	-	25	-	25
	Wheat sowing with Zero Tillage system	1	2	OFF	15-16.10.19	5	-	-	-	20	-	25	-	25
	Sowing of Wheat Turbo Seeder	1	2	OFF	18-19.10.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
IDM	Bacterial Leaf Blight control in Paddy	1	2	ON	22-23.7.19	5	-	-	-	20	-	25	-	25
	Sheath Blight control in Paddy	1	2	ON	30-31.8.19	5	-	-	-	20	-	25	-	25
	Anthraxnose (Stem Leaf & Fruit) disease control	1	2	ON	10-11.1.20	5	-	-	-	20	-	25	-	25
	Black rot control in Pumpkin	1	2	OFF	15-16.5.19	5	-	-	-	20	-	25	-	25

	Disease management in Paddy Nursery	1	2	OFF	18-19.5.19	5	-	-	-	20	-	25	-	25
	Control of Botrytis grey mold in Lentil	1	2	OFF	8-9.2.20	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150
Weed management	Narrow leaf weed control in Wheat	1	2	ON	3-4.12.19	5	-	-	-	20	-	25	-	25
	Broad leaf weed control in Wheat	1	2	ON	5-6.12.19	5	-	-	-	20	-	25	-	25
	Weed control in DSR Paddy Field	1	2	OFF	1-2.8.19	5	-	-	-	20	-	25	-	25
	Weed management in ZT Field before sowing	1	2	OFF	6-7.11.19	5	-	-	-	20	-	25	-	25
	Weed control in transplanted Rice	1	2	OFF	16-17.6.19	5	-	-	-	20	-	25	-	25
Total		5	10			25				100		125		125
INM	Use of micronutrient & Water soluble fertilizer for critical stage	1	2	ON	13-14.12.19	5	-	-	-	20	-	25	-	25
	Use of Micro Nutrients in Vegetable for better production	1	2	ON	22-23.2.19	5	-	-	-	20	-	25	-	25
	INM in Paddy	1	2	OFF	6-7.8.19	5	-	-	-	20	-	25	-	25
	Nutrient management in Mustard	1	2	OFF	25-26.10.19	5	-	-	-	20	-	25	-	25
	Use of Micronutrient	1	2	OFF	14-	5	-	-	-	20	-	25	-	25

	in Pulses for better production				15.11.19									
	Use of Zn & Sulpher in Mustard	1	2	OFF	18-19.11.19	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150
Nursery Management	Management of Paddy Nursery	1	2	ON	15-16.6.19	5	-	-	-	20	-	25	-	25
Total		1	2			5				20		25		25
Nursery Raising	Vegetable Nursery Establishment	1	2	OFF	16-17.9.19	5	-	-	-	20	-	25	-	25
Total		1	2			5				20		25		25
Soil Health & Fertility management	Remedy of Alkaline Soil	1	2	ON	26-27.3.20	5	-	-	-	20	-	25	-	25
Total		1	2			5				20		25		25
Storage loss minimization	Technique of Storage	1	2	OFF	4-5.3.20	5	-	-	-	20	-	25	-	25
Total		1	2			5				20		25		25
Seed Production	Technology of pulses seed production	1	2	OFF	16-17.9.19	5	-	-	-	20	-	25	-	25
	Importance of Rouging for better quality seed production	1	2	OFF	22-23.11.19	5	-	-	-	20	-	25	-	25
	Importance of Rouging for better quality seed production	1	2	OFF	3-4.2.20	5	-	-	-	20	-	25	-	25
Total		3	6			15				60		75		75
Bio control of pest and disease	Use & preparation of Bio pesticide	1	2	OFF	16.6.19	5	-	-	-	20	-	25	-	25
	Use &	1	2	OFF	16.12.19	5	-	-	-	20	-	25	-	25

	preparation of Bio pesticide													
Total		2	4			10				40		50		50
GT		48	96			240				960		1200		1200
Horticulture														
Weed management	Weed control in Kharif Okra	1	2	ON	2-3.4.19	5	-	-	-	20	-	25	-	25
	Weed control in Rabi Onion	1	2	OFF	15-16.12.19	5	-	-	-	20	-	25	-	25
	Total	2	4			10				40		50		50
Water Management	Use of Sprinkler for better water use efficiency in vegetable cultivation	1	2	OFF	10-11.6.19	5	-	-	-	20	-	25	-	25
	Use of drip for better water use efficiency in Mango Orchard	1	2	OFF	9-10.4.19	5	-	-	-	20	-	25	-	25
	Total	2	4			10				40		50		50
Nursery raising	Preparation of raised bed nursery for Kharif Brinjal	1	2	ON	6-7.5.19	5	-	-	-	20	-	25	-	25
	Preparation of raised bed nursery for early Cauliflower & Tomato	1	2	OFF	6-7.8.19	5	-	-	-	20	-	25	-	25
	Preparation of raised bed nursery for late Onion	1	2	OFF	30-31.10.19	5	-	-	-	20	-	25	-	25
	Healthy seedling raising of early Cauliflower & Tomato	1	2	OFF	13-14.8.19	5	-	-	-	20	-	25	-	25

	Healthy Seedling raising of early cabbage	1	2	ON	20-21.9.19	5	-	-	-	20	-	25	-	25
	Healthy Seedling raising of Rabi Onion	1	2	OFF	4-5.11.19	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150
Production of low volume & high value Crop	Scientific cultivation of early Kharif Cucurbits	1	2	OFF	6-7.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early Kharif Okra	1	2	OFF	2-3.5.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early Kharif Cauliflower	1	2	ON	16-17.8.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early Kharif Tomato	1	2	OFF	30-31.7.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early pointed gourd	1	2	OFF	11-12.9.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early Potato	1	2	OFF	20-21.9.19	5	-	-	-	20	-	25	-	25
	Scientific package of Vegetable Pea	1	2	ON	18-19.9.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early summer Okra	1	2	OFF	27-28.12.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of early summer bottle gourd	1	2	OFF	15-16.5.19	5	-	-	-	20	-	25	-	25

Total		9	18			45				180		225		225
Others Vegetable cultivation	Scientific cultivation of hybrid Tomato	1	2	OFF	9-10.10.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of Cabbage	1	2	ON	10- 11.10.19	5	-	-	-	20	-	25	-	25
	Scientific cultivation of beetroot	1	2	OFF	20- 21.11.19	5	-	-	-	20	-	25	-	25
Total		3	6			15				60		75		75
INM	Foliar spray of water soluble fertilizer to reduce plant stress	1	2	OFF	19-20.6.19	5	-	-	-	20	-	25	-	25
	Nutrient management in Cowpea	1	2	OFF	24-25.4.19	5	-	-	-	20	-	25	-	25
	Nutrient management in Mango orchard after harvest	1	2	ON	26-27-7.19	5	-	-	-	20	-	25	-	25
	Foliar spray of water soluble fertilizer to reduce plant stress	1	2	OFF	24-25.7.19	5	-	-	-	20	-	25	-	25
	Nutrient management in Rabi Onion & Summer bitter gourd	1	2	OFF	14- 15.11.19	5	-	-	-	20	-	25	-	25
	Foliar spray of water soluble fertilizer to reduce plant stress	1	2	OFF	3-4.1.20	5	-	-	-	20	-	25	-	25
Total		6	12			30				120		150		150
Fruits	Scientific high density	1	2	ON	20-21.5.19	5	-	-	-	20	-	25	-	25

	plantation technique in Mango													
	Scientific cultivation of Guava	1	2	OFF	12-13.5.19	5	-	-	-	20	-	25	-	25
Layout & management of Orchard	Scientific Establishment of new Mango Orchard	1	2	OFF	4-5.5.19	5	-	-	-	20	-	25	-	25
	Scientific Establishment of new Guava Orchard	1	2	OFF	6-7.6.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Plantation Crop Production & Management technology	Pre Flowering management in Mango Orchard	1	2	ON	4-5.12.19	5	-	-	-	20	-	25	-	25
	Control of fruit drop in Mango	1	2	OFF	9-10.1.20	5	-	-	-	20	-	25	-	25
Total		2	4			10				40		50		50
IPM	Control of Shoot & Fruit Borer in Brinjal	1	2	OFF	7-8.2.20	5	-	-	-	20	-	25	-	25
	Control of Stem borer in Mango Orchard	1	2	OFF	9-10.3.20	5	-	-	-	20	-	25	-	25
	Control of Mango Milibug in Mango Orchard	1	2	ON	29-30.7.19	5	-	-	-	20	-	25	-	25
	Control of Mango hopper in Mango	1	2	OFF	14-15.1.20	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
IDM	Control of late blight in Potato	1	2	OFF	10-11.12.19	5	-	-	-	20	-	25	-	25

	Control of leaf cut in Tomato	1	2	OFF	14-15.12.19	5	-	-	-	20	-	25	-	25
	Control of powdery mildew in Mango	1	2	ON	18-19.1.20	5	-	-	-	20	-	25	-	25
	Control of YMV in Summer Okra	1	2	OFF	23-24.7.19	5	-	-	-	20	-	25	-	25
Total		4	8			20				80		100		100
Medicinal & Aromatic Plants	Scientific cultivation of Japanese Mint	1	2	OFF	20-21.1.20	5	-	-	-	20	-	25	-	25
Total		1	2			5				20		25		25
Micro nutrient deficiency	Boron & Sulphur management in Rabi Onion	1	2	OFF	29-30.12.19	5	-	-	-	20	-	25	-	25
	Application of Boron in main season Cauliflower	1	2	ON	21-22.10.19	5	-	-	-	20	-	25	-	25
Total		2	4			10				40		50		50
Post harvest technology & Value addition	Grading & packaging of Potato	1	2	OFF	27-28.2.20	5	-	-	-	20	-	25	-	25
	Grading & packaging of Rabi Onion	1	2	OFF	10-11.5.19	5	-	-	-	20	-	25	-	25
	Distillation & Storage techniques in Japanese Mint	1	2	OFF	20-21.6.19	5	-	-	-	20	-	25	-	25
Total		3	6			15				60		75	-	75
GT		48	96			240				960		1200		1200

(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
Home Science Income generation activities for employment of rural women	Mushroom cultivation	1	5	ON	26-30.11.19	-	5	-	-	-	20	-	25	25
	Mushroom cultivation	1	5	OFF	2-6.9.19	-	5	-	-	-	20	-	25	25
Small scale processing	Preparation of Potato Chips Badi & Papad	1	5	OFF	23-27.7.19	-	5	-	-	-	20	-	25	25
Value Addition	Tomato Preservation	1	5	OFF	20-24.12.19	-	5	-	-	-	20	-	25	25
Tailoring & Stitching	Advance course	1	10	OFF	23-1.2.20	-	5	-	-	-	20	-	25	25
		5	30				25				100		125	125
PBG Seed Production	Seed production of Chickpea	1	5	ON	16-20.12.19	5	-	-	-	20	-	25	-	25
	Seed production of Lentil	1	5	ON	23-27.12.19	5	-	-	-	20	-	25	-	25
	Seed production of Rice	1	5	ON	26-30.8.19	5	-	-	-	20	-	25	-	25
	Seed production of Wheat	1	5	OFF	7-11.1.20	5	-	-	-	20	-	25	-	25
	Seed Production of Wheat	1	5	OFF	14-18.1.20	5	-	-	-	20	-	25	-	25
	Seed Production of Lentil	1	5	OFF	11-16.2.20	5	-	-	-	20	-	25	-	25
	Total	6	30			30				120		150		150

Ag. Extension Enterprises development Capacity Building	Entrepreneurship Development through Vermi composting	1	5	ON	26-30.8.19	5	-	-	-	20	-	25	-	25
	Entrepreneurship Development through Vermi composting	1	5	ON	24-28.9.19	5	-	-	-	20	-	25	-	25
	Entrepreneurship Development through Vermi composting	1	5	OFF	22-26.10.19	5	-	-	-	20	-	25	-	25
	Total	3	15			15				60		75		75
Post-Harvest Technology	Formation of FPO for quality Seed Production	1	5	OFF	26-30.11.19	5	-	-	-	20	-	25	-	25
	Formation of FPO for quality Seed Production	1	5	OFF	17-21.12.19	5	-	-	-	20	-	25	-	25
	Formation of FPO for quality Seed Production	1	5	ON	20-24.1.20	5	-	-	-	20	-	25	-	25
	Total	3	15			15				60		75		75
Plant Protection Beekeeping	Commercial Beekeeping for RY	1	30	ON	20.6..19	5	-	-	-	20	-	25	-	25
Integrated Fish Farming	Composite Fish Production	1	5	ON	6.8.19	5	-	-	-	20	-	25	-	25
Quail farming	Rural Enterprises for youth Quail farming	1	5	ON	24-28.8.19	5	-	-	-	20	-	25	-	25
Integrated Farming	Integrated Farming	1	5	ON	4.10.19	5	-	-	-	20	-	25	-	25
Protected cultivation of vegetables	Use of Poly house Net house & 10 w tunnel for better vegetable	1	5	ON	25.11.19	5	-	-	-	20	-	25	-	25

	production													
Production of Organic Inputs	Production technology of organic manure	1	5	ON	18-23.12.19	5	-	-	-	20	-	25	-	25
	Total	6	55			30				120		150		150
Horticulture	Scientific hybrid Tomato cultivation	1	5	ON	4-8.7.19	5				20		25		25
Protected cultivation of vegetables	Scientific cultivation of vegetable Pea	1	5	OFF	1-5.7.19	5				20		25		25
	Total	2	10			10				40		50		50
Commercial Fruit Cultivation	High density cultivation technology in Mango	2	5	ON	6-10.6.19 & 17-21.6.19	5 + 5				20		25 + 25		25 + 25
	High density cultivation technology in Guava	1	5	OFF	3-7.7.19	5				20		25		25
	Total	3	15			15				60		75		75
Integrated Farming	Scientific cultivation of Marigold	1	5	ON	16-20.10.19	5				20		25		25
	Total	6	30			30				120		150		150

(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
PBG	Constraints of Oilseed production	1	5	ON	25-29.11.19	5	-	-	-	20	-	25	-	25
	Constraints of Pulses	1	5	ON	26-30.11.19	5	-	-	-	20	-	25	-	25

	production													
	Seed production of pulses	1	5	ON	4-9.2.20	5	-	-	-	20	-	25	-	25
Total		3	15			15				60		75		75
Ag. Extension	Formation & Management of SHGs	1	5	OFF	16-20.12.19	5	-	-	-	20	-	25	-	25
	Formation & Management of SHGs													
	Total	1	5			5				20		25		25
Group Dynamics and farmers organization	Group Dynamics and farmers organization	1	5	OFF	26.30.10.12	5	-	-	-	20	-	25	-	25
	Total	1	5			5				20		25		25
Horticulture	Advantage & technique of drip irrigation system in Mango Orchard	1	2	ON	7-8.7.19	5	-	-	-	20	-	25	-	25
	Protected cultivation Technique													
	Advantage & Technique of Poly mulch in Vegetable cultivation	1	2	ON	24-25.2.20	5	-	-	-	20	-	25	-	25
	Total	2	4			10				40		50		50
Fruit Production	High density plantation technique in Mango	1	2	ON	21-22.6.19	5	-	-	-	20	-	25	-	25
	High density plantation technique in Mango	1	2	ON	1-2.7.19	5	-	-	-	20	-	25	-	25
	Total	2	4			10				40		50		50
Aromatic cultivation	Scientific package in Japanese Mint & its distillation	1	2	ON	2-3.2.20	5	-	-	-	20	-	25	-	25

	techniques													
	Total	1	2			5				20		25		25
RCT	Use of Sprinkler irrigation system in Okra & Cowpea to save irrigation Water	1	2	ON	24-25.3.20	5	-	-	-	20	-	25	-	25
	Total	1	2			5				20		25		25
	G. Total	11	22			55				220		275		275

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	12	240	-	240	60	-	60	-	-	-	300	-	300	
Resource Conservation Technologies	8	160	-	160	40	-	40	-	-	-	200	-	200	
Cropping Systems	8	160	-	160	40	-	40	-	-	-	200	-	200	
Crop Diversification														
Integrated Farming	6	120	-	120	30	-	30	-	-	-	150	-	150	
Water management	2	40	-	40	10	-	10	-	-	-	50	-	50	
Seed production	16	320	-	320	80	-	80	-	-	-	400	-	400	
Nursery management	5	100	-	100	25	-	25	-	-	-	125	-	125	
Integrated Crop Management														
Fodder production														
Production of organic inputs	8	140	-	140	40	-	40	-	-	-	180	-	180	
Others, (cultivation of crops)	4	60	-	60	20	-	20	-	-	-	80	-	80	
TOTAL	69	1380		1380	345		345				1725		1725	
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management	5	100	-	100	25	-	25	-	-	-	125	-	125	
Water management														

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	9	180	-	180	45	-	45	-	-	-	225	-	225
Off-season vegetables													
Nursery raising	3	60	-	60	15	-	15	-	-	-	75	-	75
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	3	60	-	60	15	-	15	-	-	-	75	-	75
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	2	40	-	40	10	-	10	-	-	-	50	-	50
Cultivation of Fruit	2	40	-	40	10	-	10	-	-	-	50	-	50
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management	1	20	-	20	5	-	5	-	-	-	25	-	25
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology	2	40	-	40	10	-	10	-	-	-	50	-	50
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													

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			
g) Medicinal and Aromatic Plants													
Nursery management	1	20	-	20	5	-	5	-	-	-	25	-	25
Production and management technology													
Post harvest technology and value addition	3	60	-	60	15	-	15	-	-	-	75	-	75
Others, if any													
TOTAL	4	80		80	20		20				100		100
TOTAL	31	620		620	155		155				775		775
III. Soil Health and Fertility Management													
Soil fertility management	5	100	-	100	25	-	25	-	-	-	125	-	125
Soil and Water Conservation													
Integrated Nutrient Management	7	140	-	140	35	-	35	-	-	-	175	-	175
Production and use of organic inputs	2	40	-	40	10	-	10	-	-	-	50	-	50
Management of Problematic soils													
Micro nutrient deficiency in crops	4	80	-	80	20	-	20	-	-	-	100	-	100
Nutrient Use Efficiency													
Soil and Water Testing	7	140	-	140	35	-	35	-	-	-	175	-	175
Others, if any													
TOTAL	25	500		500	125		125				625		625
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	5	-	100	100	-	25	25	-	-	-	-	125	125
Design and development of low/minimum cost diet	4	-	80	80	-	20	20	-	-	-	-	100	100
Designing and development for high nutrient efficiency diet	5		100	100		25	25					125	125
Minimization of nutrient loss in processing													

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
Gender mainstreaming through SHGs	3	-	60	60	-	15	15	-	-	-	-	75	75
Storage loss minimization techniques	6	20	100	120	5	25	30	-	-	-	25	125	150
Enterprise development													
Value addition	6	-	120	120	-	30	30	-	-	-	-	150	150
Income generation activities for empowerment of rural Women	7	-	140	140	-	35	35	-	-	-	-	175	175
Location specific drudgery reduction technologies	4	-	80	80	-	20	20	-	-	-	-	100	100
Rural Crafts	6	-	120	120	-	30	30	-	-	-	-	150	150
Capacity building													
Women and child care	7	-	140	140	-	35	35	-	-	-	-	175	175
Others, if any													
TOTAL	48	20	940	960	5	235	240				25	1175	1200
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	21	420	-	420	105	-	105	-	-	-	525	-	525
Integrated Disease Management	12	240	-	240	60	-	60	-	-	-	300	-	300
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides	2	40	-	40	10	-	10	-	-	-	50	-	50
Others, if any													
TOTAL	35	700		700	175		175				875		875
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													

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			
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	8	160	-	160	40	-	40	-	-	-	200	-	200
Formation and Management of SHGs	13	224	36	260	56	9	65	-	-	-	280	45	325
Mobilization of social capital	8	160	-	160	40	-	40	-	-	-	200	-	200
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL	29												
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	240												

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	2	-	40	40	-	10	10	-	-	-	-	50	50
Bee-keeping	1	20	-	20	5	-	5	-	-	-	25	-	25
Integrated farming	1	20	-	20	5	-	5	-	-	-	25	-	25
Seed production	6	120	-	120	30	-	30	-	-	-	150	-	150
Production of organic inputs													
Planting material production													
Vermi-culture	1	20	-	20	5	-	5	-	-	-	25	-	25
Sericulture													
Protected cultivation of vegetable crops	3	60	-	30	15	-	15	-	-	-	75	-	75
Commercial fruit production	3	60		60	15		15				75		75
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	-	20	20	-	5	5	-	-	-	-	25	25
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming	1	20	-	20	5	-	5	-	-	-	25	-	25
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries	1	20	-	20	5	-	5	-	-	-	25	-	25
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing	1	-	20	20	-	5	5	-	-	-	-	25	25
Post Harvest Technology													

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			
Tailoring and Stitching	1	-	20	20	-	5	5	-	-	-	-	25	25
Rural Crafts													
Enterprise development	6	120	-	120	30	-	30	-	-	-	150	-	150
Others if any (ICT application in agriculture)													
TOTAL	28	460	100	560	90	25	115				550	125	675

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	6	120	-	120	30	-	30	-	-	-	150	-	150
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	2	40	-	40	10	-	10	-	-	-	50	-	50
Formation and Management of SHGs	1	20	-	20	5	-	5	-	-	-	25	-	25
Group Dynamics and farmers organization	1	20	-	20	5	-	5	-	-	-	25	-	25
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													

Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any (Aromatic cultivation)	1	20	-	20	5	-	5	-	-	-	25	-	25
TOTAL	11	220	-	220	55	-	55	-	-	-	275	-	275

4. Frontline demonstration to be conducted*

Crop: Paddy

Thrust Area: Fine Rice Production

Thematic Area: Crop Production

Season: Kharif

Farming Situation: Irrigated

Crop: Paddy

Thrust Area: Quality Rice Production

Thematic Area: Integrated Nutrient Management

Season: Kharif -2019

Farming Situation: Irrigated

Crop: Wheat

Thrust Area: Income Generation through HYV

Thematic Area: Crop Production

Season: Rabi 2019-20

Farming Situation: Irrigated

Crop: Wheat

Thrust Area: Stress Tolerance

Thematic Area: Weed Control

Season: Rabi 2019-20

Farming Situation: Irrigated

Crop: Gram

Thrust Area: Better Water Management

Thematic Area: Weed Control

Season: Rabi 2019-20

Farming Situation: Rain fed

Crop: Mustard

Thrust Area: Quality Improvement

Thematic Area: IPM

Season: Rabi 2019-20

Farming Situation: Irrigated

Crop: Okra

Thrust Area: High Value Crop

Thematic Area: Weed Control
Season: Rabi 2019-20
Farming Situation: Irrigated

Crop: Lentil
Thrust Area: Quality grain production
Thematic Area: INM
Season: Rabi 2019-20
Farming Situation: Rain fed

Crop: Onion
Thrust Area: Stress Management
Thematic Area: Weed control
Season: Rabi 2019-20
Farming Situation: Irrigation

Sl. No.	Crop	Thrust Area	Thematic Area	Season	Farming Situation
1	Paddy	Fine Rice Production	Crop Production	Kharif 2019	Irrigated
2	Paddy	Quality Rice Production	Integrated Nutrient Management	Kharif 2019	Irrigated
3	Wheat	Income Generation through HYV	Crop Production	Rabi 2019	Irrigated
4	Wheat	Stress Tolerance	Weed Control	Rabi 2019	Irrigated
5	Gram	Better Water Management	Weed Control	Rabi 2019	Rain fed
6	Mustard	Quality Improvement	IPM	Rabi 2019	Irrigated
7	Okra	High Value Crop	Weed Control	Rabi 2019	Irrigated
8	Lentil	Quality Production	INM	Rabi 2019	Rain fed
9	Onion	Stress Management	Weed control	Rabi 2019	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	Paddy R. Sweta	5.00	Seed	Tiller & Yield	Seed	5100	2550	2	-	-	-	8	-	10	-	10
2	Paddy	10.00	Foliar Spray	Tiller & Yield	Zinc Foliar	2000	-	4	-	-	-	21	-	25	-	25
3	Wheat HD-2967	5.00	Seed	Tiller & Yield	Seed	20400	12600	3	-	-	-	7	-	10	-	10
4	Wheat	5.00	Weed Control	Percentage of Weed & Yield	Weedicide	6500	-	3	-	-	-	7	-	10	-	10
5	Lentil	5.00	Foliar Spray	Yield & Test wt.	Boron	1625	-	3	-	-	-	7	-	10	-	10
6	Gram	5.00	Weed control	Weed control	Weedicide	6800	-	4	-	-	-	6	-	10	-	10
7	Mustard	5.00	Aphid control	Aphid population	Insecticide	6000	3000	5	-	-	-	10	-	15	-	15
8	Okra	5.00	Weed control	Weed control & yield	Weedicide	6800	-	5	-	-	-	10	-	15	-	15
9	Onion	5.00	Weed control	Weed control & yield	Weedicide	6800	3600	5	-	-	-	10	-	15	-	15
	Total	50.00				62025	21750	34				86		120		120

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants				Other		Total		T
						SC		ST		M	F	M	F	
						M	F	M	F					
Paddy	R. Sweta (Seed) Training	2	PF	2+2=4 days	OFF	6	-	-	-	30	-	36	-	36
	Field day	1	PF	1	OFF	8	-	-	-	35	-	43	-	43
Paddy	Foliar spray Zinc (Training)	2	PF	2+2=4	OFF	5	-	-	-	30	-	35	-	35
	Field Day	1	PF	1	OFF	6	-	-	-	34	-	40	-	40
Wheat	Seed treatment (HD-2967)	2	PF	2+2=4	OFF	6	-	-	-	30	-	36	-	36
	Field Day	1	PF	1	OFF	8	-	-	-	30	-	38	-	38
Wheat	Weed control (Training)	2	PF	2+2=4	OFF	6	-	-	-	30	-	36	-	36
	Field Day	1	PF	1	OFF	6	-	-	-	30	-	36	-	36
Lentil	Foliar spray Boron	2	PF	2+2=4	OFF	6	-	-	-	30	-	36	-	36
	Field Day	1	PF	1	OFF	6	-	-	-	35	-	41	-	41
Gram	Weed control	2	PF	2+2=4	OFF	5	-	-	-	30	-	35	-	35
Mustard	Weed control (Training)	2	PF	2+2=4	OFF	6	-	-	-	30	-	36	-	36
	Field Day	1	PF	1	OFF	7	-	-	-	35	-	42	-	42
Okra	Weed control (Training)	2	PF	2+2=4	OFF	6	-	-	-	30	-	36	-	36
	Field Day	1	PF	1	OFF	7	-	-	-	35	-	42	-	42
Onion	Weed control (Training)	2	PF	2+2=4	OFF	6	-	-	-	25	-	31	-	31
	Field Day	1	PF	1	OFF	6	-	-	-	30	-	36	-	36

* 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	BPT-5204 (Improved)	June-Nov	1.5	F/S & C/S	60.00	51000.00	112000.00	
	MTU-7029	June-Nov	1.5	F/S & C/S	60.00	51000.00	96000.00	
	R. Sweta	June-Nov	3.5	F/S & C/S	120.00	105000.00	216000.00	
	R. Kasturi	June-Nov	0.5	F/S & C/S	10.00	15000.00	25000.00	
	Sabour Katarani	June-Nov	0.5	F/S & C/S	8.00	15000.00	20000.00	
Total			7.5		258.00	237000.00	469000.00	232000.00
wheat	HD-2967	Nov – March	2.0	F/S & C/S	70.00	60000.00	140000.00	
	HD-2733	Nov – March	3.0	F/S & C/S	82.00	90000.00	164000.00	
	HI-1563	Nov – March	2.0	F/S & C/S	68.00	60000.00	136000.00	
	HD-3118	Nov – March	0.5	F/S & C/S	17.00	15000.00	34000.00	
	HD-2985	Nov – March	0.5	F/S & C/S	17.00	15000.00	34000.00	
Total			8.0		254.00	240000.00	508000.00	268000.00

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.)
Paddy	R. Sweta	June - Nov	20	50	C/S	600			
	BPT-5204	June - Nov	5	15	C/S	160			
Wheat	HD-2967	Nov. -March	20	50	C/S	700			
	HI-1563	Nov. -March	20	50	C/S	500			
Lentil	PL-8	Nov. -March	20	50	C/S	160			
	HUL-57	Nov. -March	20	50	C/S	160			
Total			105	265		2280			

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	600	-	600	20	40	-	40	640	-	640
2.	Kishan Mela	2	800	100	900	15	50	10	60	850	110	960
3.	Kishan Ghosthi	30	3000	1000	4000	20	150	-	150	3150	1000	4150
4.	Exhibition	1										
5.	Film Show	50										
6.	Method Demonstrations	10	200	-	200	15	20	-	20	220	-	220
7.	Farmers Seminar	1										
8.	Workshop	5	250	-	250	15	25	-	25	275	-	275
9.	Group meetings	1	40	10	50	15	10	-	10	50	10	60
10.	Lectures delivered as resource persons	20										
11.	Advisory Services	5000	5000	500	5500	20	200	-	200	5200	500	5700
12.	Scientific visit to farmers field	10	200	-	200	20	50	-	50	250	-	250
13.	Farmers visit to KVK	3500	3000	500	3500	25	-	-	-	3000	500	3500
14.	Diagnostic visits	10	200	-	200	15	20	-	20	220	-	220
15.	Exposure visits											
16.	Ex-trainees Sammelan	2	100	-	100	15	20	-	20	120	-	120
17.	Soil health Camp	5	100	-	100	15	10	-	10	110	-	110
18.	Animal Health Camp	1	50	-	50	25	5	-	5	55	-	--
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	5	50	200	250	25	25	-	25	75	200	275
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)											
25.	Sankalp Se Siddhi	1										
26.	Swatchta Hi Sewa	1										
27.	Mahila Kishan Diwas	1										

28.	Any Other (Specify)											
	National MILK day	1										
	World Environmental Day	1										
	International Yoga Day	1										
	National Youth Day	1										
	World Milk Day	1										
	ICAR Foundation Day	1										
	Parthenium week	1										
	World Food Day	1										
	Nation Nutritional Week	1										
	World Soil Health Day	1										
	Jai Jawan Jai Kishan Diwas	1										
	Total	8687	13590	2310	15900	260	625	10	635	14215	2320	16480

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
13431.00	9.00 lakh	12.00 lakh

8. Expected fund from other sources and its proposed utilization

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

9. On-farm trials to be conducted*

PBG -1

- i. **Season:** Kharif
 - ii. **Title of the OFT:** To assess the suitable varieties of Paddy under low land condition of south Bihar
 - iii. **Thematic Area:** Crop Production
 - iv. **Problem diagnosed:** Paddy varieties MTU-7029 is grown in major part of canal irrigation area in Bhojpur. This result is delay in Rabi sowing and leads to drastic reduction in Wheat and Pulses productivity with all dust management practice.
 - v. **Important Cause:** Existing variety are suitable to weather lodging
 - vi. **Production system:** Rice Wheat Cropping System
 - vii. **Micro farming system:** Irrigated
 - viii. **Technology for Testing:**
 - ix. **Existing Practice:** Cultivation of MTU-7029
 - x. **Hypothesis:** Low yield of MTU-7029 due to high susceptibility and infestation of disease.
 - xi. **Objective(s):**
 - xii. **Treatments:**
 - Farmers Practice (FP): Cultivation of MTU-7029
 - Technology option-I (TO-I): Sabour Shree
 - Technology option-II (TO-II): Sabour Sampann
 - xiii. **Critical Inputs:** Seed
 - xiv. **Unit Size:** 4048 m²
 - xv. **No of Replications:** 7
 - xvi. **Unit Cost:** 340.00
 - xvii. **Total Cost:** 2380.00
 - xviii. **Monitoring Indicator:** Effective tillers/m², no. of Grain/Panicle, grain weight and test weight
- Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BAU, Sabour, Bhagalpur

PBG -2

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of Wheat cultivars for late sowing condition
- iii. **Thematic Area:** Crop Production
- iv. **Problem diagnosed:** Wheat is a major cereal crop during Rabi season having cultivable area about 105000
 - ha. Out of total Wheat area, 60 % area comes under late sown condition i.e. mid to late December

because of long duration Paddy MTU-7029 use of Improper/Unsuitable varieties of Wheat under late sown condition leads to poor yield

- v. **Important Cause:** Poor grain setting
 - vi. **Production system:** Rice Wheat System
 - vii. **Micro farming system:** Irrigated
 - viii. **Technology for Testing:** New Cultivars testing
 - ix. **Existing Practice:** HUW-234
 - x. **Hypothesis:** Farmers not using suitable variety low yield is realized.
 - xi. **Objective(s):** Replacement of old variety with improved one
 - xii. **Treatments:**
 - Farmers Practice (FP): HUW-234
 - Technology option-I (TO-I): HI-1563
 - Technology option-II (TO-II): Sabour Shrestha
 - xiii. **Critical Inputs:** Seed
 - xiv. **Unit Size:** 4048 m²
 - xv. **No of Replications:** 7
 - xvi. **Unit Cost:** 1700.00
 - xvii. **Total Cost:** 11900.00
 - xviii. **Monitoring Indicator:** Days to 50% flowering effective tillers/m² test weight and grain weight
 - xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BAU, Sabour, Bhagalpur
-

Ag. Extension -1

- i. **Season:** Kharif
- ii. **Title of the OFT:** Assessment of performance of selected SHG's engaged in income generation activities
- iii. **Thematic Area:** Gender mainstreaming through SHG's
- iv. **Problem diagnosed:** SHG's performance in critical and there is need to differentiate the SHG's bank on these income generating activities
- v. **Important Cause:** All SHGs are not Viable and after certain period group defragments
- vi. **Production system:** Gender mainstreaming through SHG's
- vii. **Micro farming system:** Irrigated condition
- viii. **Technology for Testing:** 1. Personal interview & their reaction .2. Open ended questionnaire process
- ix. **Existing Practice:**
- x. **Hypothesis:** Lack of knowledge to use the corpus is detrimental for the growth of the SHGs
- xi. **Objective(s):**To assess the viability of group having better entrepreneurship .
- xii. **Treatments:**
 - Farmers Practice (FP): SHG
 - Technology option-I (TO-I): SHG's with credit flow only
 - Technology option-II (TO-II): SHG's Mushroom production
 - Technology option-II (TO-II): SHG's Vegetable production
 - Technology option-II (TO-II): SHG's Milk production
- xiii. **Critical Inputs:**
- xiv. **Unit Size:**
- xv. **No of Replications:** 9
- xvi. **Unit Cost:** 500.00
- xvii. **Total Cost:** 4500.00
- xviii. **Monitoring Indicator:** Social Empowerment, Economic Empowerment, Political Empowerment
- Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** MANAGE, Hyderabad

Ag. Extension -2

- i. **Season:** Rabi
 - ii. **Title of the OFT:** Assure the information source credibility and perceived constraints
 - iii. **Thematic Area:** Capacity building
 - iv. **Problem diagnosed:** Farmers are taking information from various resource but we are providing information to only few resource rich farmers. There is technical information gap.
 - v. **Important Cause:** Poor mob ability of farmers and poor market support.
 - vi. **Production system:** Gender mainstreaming through SHG's
 - vii. **Micro farming system:** Irrigated
 - viii. **Technology for Testing:** 1. Personal interview & their reaction .2. Open evaded questionnaire process
 - ix. **Existing Practice:**
 - x. **Hypothesis:** Assessment of gap may provide an idea to coup up there problem with better solution.
 - xi. **Objective(s):** Assessment of better information source from farmers prospective.
 - xii. **Treatments:**
 - Farmers Practice (FP):
 - Technology option-I (TO-I): Male Farmers
 - Technology option-II (TO-II): Female farmers
 - xiii. **Critical Inputs:** Questionnaire
 - xiv. **Unit Size:**
 - xv. **No of Replications: 30**
 - xvi. **Unit Cost:**
 - xvii. **Total Cost:**
 - xviii. **Monitoring Indicator:** Information source, Information source credibility, Perceived construe in gating information
- Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**
-

Home Science -1

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of Self life of Tomato through Purée.
- iii. **Thematic Area:** Value addition
- iv. **Problem diagnosed:** Post harvest preservation may increase the life of Tomato for off season can yield better return.
- v. **Important Cause:** Lack of knowledge for proper preservation
- vi. **Production system:** Maize - Tomato
- vii. **Micro farming system:** Irrigated
- viii. **Technology for Testing:** Preservative to improve the self life
- ix. **Existing Practice:** No post harvest storage and processing.
- x. **Hypothesis:** Tomato is the major vegetable crop of Bhojpur having an area of 400 ha. During pick season the price crash results in heavy loss to farmers due to poor market price.
- xi. **Objective(s):** To improve the Economic of Tomato grower.
- xii. **Treatments:**
 - Farmers Practice (FP): Farmers practice (No. processing of surplus produce)
 - Technology option-I (TO-I): Use of Vinegar @150ml/kg of Tomato
 - Technology option-II (TO-II): Use of Sodium Benzoate @ 1 gram +Glacial acetic acid @ 5ml/kg of Tomato
- xiii. **Critical Inputs:** Vinegar, Glacial acetic acid & Sodium Benzoate
- xiv. **Unit Size:** 10 Kg

- xv. **No of Replications:** 14
- xvi. **Unit Cost:** 475.00
- xvii. **Total Cost:** 6650.00
- xviii. **Monitoring Indicator:** Tech. observation –Day of fungal initiation & bad odor,
Economic Indicator – Net return & BC ration
Farmers Feedback – Overall keeping quality.

Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): BAU, Ranchi
Home Science -2

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of Brine solution for Green Pea preservation and Income generation.
- iii. **Thematic Area:** Value addition
- iv. **Problem diagnosed:** Post harvest preservation may increase the life of green Pea off season marketing. It may result in better return.
- v. **Important Cause:** Lack of knowledge for proper preservation
- vi. **Production system:** Fallow-Pea-Wheat
- vii. **Micro farming system:** Irrigated
- viii. **Technology for Testing:** Preservative to improve the self life
- ix. **Existing Practice:** No post-harvest storage and processing and only used as green vegetable.
- x. **Hypothesis:** Green Pea is the major vegetable crop of Bhojpur having an area of 1200 ha. During pick season the price crash result in heavy loss to farmers due to poor market price
- xi. **Objective(s):**
- xii. **Treatments:**
Farmers Practice (FP): No processing of Surplus Green Pea produced for off season.
Technology option-I (TO-I): Grading washing blanching for 3-5 minutes followed by keeping in brine solution common salt @ 30 gram + 8 ml Acetic Acid/ Boiled water per kg Green Pea

Technology option-II (TO-II): Grading washing blanching for 3-5 minutes followed by keeping in brine solution common salt @30 gram + 8 ml Acetic Acid + Sodium Benzoate @ 1gram boiled water per kg Green Pea
- xiii. **Critical Inputs:** Vinegar, Glacial acetic acid & Sodium Benzoate
- xiv. **Unit Size:** 10 Kg
- xv. **No of Replications:** 14
- xvi. **Unit Cost:** 500.00
- xvii. **Total Cost:** 7000.00
- xix. **Monitoring Indicator:** Tech. observation –Day of fungal initiation & bad odor,
Economic Indicator – Net return & BC ration
Farmers Feedback – Overall keeping quality.
- xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): BAU, Ranchi**
- xix.

Plant Protection -1

- I. **Season:** Kharif
- II. **Title of the OFT:** Evaluation of Chemical of False smut in Paddy
- III. **Thematic Area:** Integrated Disease Management
- IV. **Problem diagnosed:** Rice is the major crop of Bhojpur District having an area of 115000 ha. Distributed in upland Medium land & low land. Previously the incidence of False smut was very causal but now a day it is found in epidemic form and at times losses is up to 30 % in terms of Grain yield It is commonly observed in recently introduce fine Rice (R. Sweta) and also Hybrid including older varieties.
- V. **Important Cause:** Imbalance use of nitrogenous fertilizer c.o. Ustilagonoidac varance
- VI. **Production system:** Rice + Lentil /Wheat/Gram - Fallow

- VII. **Micro farming system:** Irrigated
- VIII. **Technology for Testing:** Assessment of Molecules
- IX. **Existing Practice:** Improper / Unbalance balance selection of molecules
- X. **Hypothesis:** The new generation molecule may control the disease activity
- XI. **Objective(s):** Disease management with better economic return from Paddy crop
- XII. **Treatments:**
- i. Farmers Practice (FP): Spray of Carbandazime 2 Kg / ha.
 - ii. Technology option-I (TO-I): Spray of Propiconazole 25 EC 500 ml/ha. 2 Spray
 - iii. Technology option-II (TO-II): Spray of Chlorothelone 75 WP / ha. 2 spray
- XIII. **Critical Inputs:** Fungicides
- XIV. **Unit Size:** 0.286 Ha.
- XV. **No of Replications:** 14
- XVI. **Unit Cost:** 468.00
- XVII. **Total Cost:** 6560
- XVIII. **Monitoring Indicator:** 1. Percentage of infected plant /m²
- a. 2. Yield Variation & Test Wt.
 - b. 3. Net return & BC Ratio
 - c. 4. Farmers Feedback – Over all crop growth & grain Quality
- XIX. **XIX Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** GVPAUT, Pantnagar
Utrakhand

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Plant Protection -2

- I. **Season:** Rabi
- II. **Title of the OFT:** Evaluation of Chemical of Lentil Rust
- III. **Thematic Area:** Integrated Disease Management
- IV. **Problem diagnosed:** Lentil is the major pulses crop of Bhojpur District having area of 10 to 12000 ha. Now adults this disease is going to be deter mental for this crop. The disease appears during flowering & grain setting stage (Feb. in general) this disease is causing 30 to 50 % loss in lentil field. All popular varieties like Arun, HUL-57 & Local also are seriously affected due to Rust disease.
- V. **Important Cause:** Sudden Increase in temperature attract causal organism
- VI. **Production system:** Rice + Lentil - Fallow
- VII. **Micro farming system:** Rain fed
- VIII. **Technology for Testing:** Assessment of molecules
- IX. **Existing Practice:** Improper / Injudicious selection of molecules
- X. **Hypothesis:** The new generation molecule may control the disease activity
- XI. **Objective(s):** Disease management with better economic return from lentil crop
- XII. **Treatments:**
- i. Farmers Practice (FP): Mancozeb 75 WP @ 2 Kg/ha.
 - ii. Technology option-I (TO-I): Spray of Propiconazole @500 ml/ ha.
 - iii. Technology option-II (TO-II): Sulpher 80 WP 3 Kg/ha.
- XIII. **Critical Inputs:** Fungicides
- XIV. **Unit Size:** 0.4 Ha.
- XV. **No of Replications:** 14
- XVI. **Unit Cost:** 352.00
- XVII. **Total Cost:** 4928
- XVIII. **Monitoring Indicator:** 1. Percentage of infected plant /m²
- a. 2. Yield Variation & Test Wt.
 - b. 3. Net return & BC Ratio
 - c. 4. Farmers Feedback – Over all crop growth & grain Quality
- XIX. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** GVPAUT, Pantnagar
Utrakhand
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Horticulture -1

- i. **Season:** Kharif
- ii. **Title of the OFT:** Evaluation of Water soluble fertilizer yield of Okra
- iii. **Thematic Area:** INM
- iv. **Problem diagnosed:** Okra is one of the leading Kharif vegetable crop having an area of 1100 ha approx. The average productivities with recommended fertilizer is 80-100 Qt./ha. However the actual potential is 125-150 Qt. /ha. Go on and average farmers are incurring a regular loss of 40-45 % in yield.
- v. **Important Cause:** Appropriate nutrition for plant growth
- vi. **Production system:** Okra-Field Pea
- vii. **Micro farming system:** Irrigated
- viii. **Technology for Testing:** Water soluble nutrient
- ix. **Existing Practice:** Use of imbalance nutrition
- x. **Hypothesis:** Soil application is not fulfill the appropriate nutrition soil water soluble nutrient are trailed
- xi. **Objective(s):** Extra nutrition through foliar spray
- xii. **Treatments:**
 - Farmers Practice (FP): Recommended dose of fertilizer
 - Technology option-I (TO-I): 2 foliar spray of NPK (18:18:18) @10 &15 g per lit water; at 40 & 55 days
 - Technology option-II (TO-II): Cytokinin @ 1 ml/liter water
- xiii. **Critical Inputs:** Water soluble fertilizer + Cytokinin
- xiv. **Unit Size:** 1.0
- xv. **No of Replications:** 21
- xvi. **Unit Cost:** 425.00
- xvii. **Total Cost:** 8925.00
- xviii. **Monitoring Indicator:**
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIVR, Varanasi

Horticulture -2

- i. **Season:** Rabi
- ii. **Title of the OFT:** Evaluation of Chemical control of D.B.M. in Cauliflower
- iii. **Thematic Area:** IPM
- iv. **Problem diagnosed:** Cauliflower is one of the most popular Rabi vegetable crop having good commercial value. This crop is seriously affected by Diamond Bick moth (*Plutella xyllortella*). This is at times resulting in early vegetative destruction and defoliation up to 40-45% and ultimately the farmers are incurring heavy loss.
- v. **Important Cause:** Less environmental he hardness and higher efficiency chemical
- vi. **Production system:** Cauliflower-Wheat
- vii. **Micro farming system:** Irrigated
- viii. **Technology for Testing:** New molecules
- ix. **Existing Practice:** Use of molecules
- x. **Hypothesis:** Old molecules are losing their efficiency that's New molecules are trailed
- xi. **Objective(s):** Selection of better molecules
- xii. **Treatments:**
 - Farmers Practice (FP): Chlorpyriphos 20 EC@1 Liter/ha.
 - Technology option-I (TO-I): Emamectin Benzoate 5 SG @ 150gram/ha.
 - Technology option-II (TO-II): Flubendiamide 480SC 60 gram/ha.
- xiii. **Critical Inputs:** Pesticide
- xiv. **Unit Size:** 0.5 Acre
- xv. **No of Replications:**14
- xvi. **Unit Cost:** 725.00

- xvii. **Total Cost:** 10150.00
 xviii. **Monitoring Indicator:**
 xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIVR, Varanasi

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 *Repeat the same format for EACH OFT being proposed.

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)

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
	24 July 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	200	-	-	-	800	-	1000	-	1000	20	1000
Water Samples												
Other (Please specify)												
Total	1000	200	-	-	-	800	-	1000	-	1000	20	1000

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)

Pay & Allowances	10428212.00	12,000,000.00
TA	1.49980.00	180,000.00
HRD		50000.0
Contingency	1648295.00	1,800,000.00
Vehicle		100000.00
Total	12226487.00	15030,000.00

* 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

P. K. Dwivedi
Senior Scientist and Head
K.V.K., Bhojpur, Ara

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