REVISED PROFORMA FOR ACTION PLAN 2019-2020

1. Name of the KVK: Krishi Vigyan Kendra (ICAR-RCER, Patna), Buxar, Bihar

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Krishi Vigyan Kendra, Lalganj, Buxar-802103	9431069463	buxarkvk@gmail.com

2.Name of host organization :

Address	Telep	ohone	E mail
	Office	FAX	
ICAR-Research Complex for Eastern	0612-2223962	0612-2223956	directoricarrcer2@gmail.com
Region, Patna- 800014			

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

(a) Farmers and farmwomen

Thematic	Title of Training	No.	Durat	Venu	Tentative]	No.	of Par	ticip	ants		
area			ion	e Or (Date	S	С	S	Т	Oth	ner		Total	
				On/ Off		Μ	F	Μ		Μ	F	Μ	F	Т
				-	onomy		1							.I
Nursery management	Community Rice Nursery Production	1	2	off	13- 14/05/2019	4	1	-	-	18	2	22	3	25
Integrated crop management	Integratedcropmanagementinpigeon pea	1	2	off	16- 17/05/2019	4	1	-	-	18	2	22	3	25
crop production	Best management practices for Rice production	1	2	Off	03- 04/06/2019	4	1	-	-	18	2	22	3	25
Crop production	Scientific cultivation of pearl millet, Finger millet and Kodo	1	2	Off	17- 18/06/2019	4	1	-	-	18	2	22	3	25
Weed & Nutrient management	Integrated Weed and nutrient management for maize production	1	2	Off	08- 09/07/2019	4	1	-	-	18	2	22	3	25
crop production	Scientific cultivation of rapeseed and mustard	1	2	Off	10- 11/09/2019	4	1	-	-	18	2	22	3	25
crop production	Best management practices for chickpea and lentil production.	1	2	Off	25- 26/09/2019	4	1	-	-	18	2	22	3	25
crop production	Scientific cultivation of potato	1	2	Off	14- 15/10/2019	4	1	-	-	18	2	22	3	25
Integrated crop	Integrated production	1	2	Off	28- 29/10/2019	4	1	-	-	18	2	22	3	25

management	management of wheat													
Weed & Nutrient management	Integrated Weed management and liquid foliar spray of micro nutrients (MO&B) in Chick pea & Lentil	1	2	Off	05- 06/11/2019	4	1	-	-	18	2	22	3	25
Resource Conservation Technique	RCT in Rice- Wheat cropping System	1	2	Off	12- 13/08/2019	4	1	-	-	18	2	22	3	25
Crop Diversificatio n	Crop diversification for doubling farmers income	1	2	Off	20- 21/08/2019	4	1	-	-	18	2	22	3	25
Integrated Farming System	Integrated Farming System techniques for doubling farmers income	1	2	Off	18- 19/11/2019	4	1	-	-	18	2	22	3	25
Water & Nutrient Management	Water & Integrated Nutrient management techniques in Wheat	1	2	Off	03- 04/12/2019	4	1	-	-	18	2	22	3	25
Integrated crop management	Linseed production for better health	1	2	Off	28- 29/11/2019	4	1	-	-	18	2	22	3	25
Climate change	Risk management practices to combat the climate change in crops	1	2	Off	29- 30/05/2019	4	1	-	-	18	2	22	3	25
Climate change	Annual Contingent crop planning	1	2	off	25- 26/06/2019	4	1	-	-	18	2	22	3	25
Agricultural mechanization	Advancing wheat sowing by using Zero tillage	1	2	off	04- 05/11/2019	4	1	-	-	18	2	22	3	25
Agricultural mechanization	Happy seeder use in wheat crop	1	2	On	14- 15/11/2019	4	1	-	-	18	2	22	3	25
Organic farming	Organic farming for sustain production sustainability	1	2	Off	16- 17/12/2019	4	1	-	-	18	2	22	3	25
Water management	Use micro irrigation in crop production	1	2	On	10- 11/02/2020	4	1	-	-	18	2	22	3	25
Nutrient Management	Techniques for micro nutrient applications in pulses and Oilseed Crops.	1	2	On	17- 18/02/2020	4	1	-	-	18	2	22	3	25
Integrated farming system	Integrated farming system for small & marginal farmers	1	2	On	02- 03/03/2020	4	1	-	-	18	2	22	3	25

Cron	Cummon moone	1	2	Off	19-	4	1			18	2	22	2	25
Crop	Summer moong	1	2	Off	20/03/2020	4	1	-	-	18	2	22	3	25
intensification	cultivation for crop intensification in				20/03/2020									
	intensification in rice-wheat													
	cropping system													
	Total (Agronomy)	24	48			96	24	-	-	432	48	528	72	600
	Total (Agronomy)	21	-10	Soil S	Science	70				102	10	020	. 2	000
Soil fertility	In-situ crop residue	1	2	Off	24-	3	2		_	16	4	19	6	25
management	management for	1	2	OII	25/05/2019	5	2	-		10	7	1)	0	25
management	sustainable soil				25/05/2019									
	health.													
Soil and water	Method of in-situ	1	2	Off	03-	3	2	-	-	16	4	19	6	25
management/c	moisture				04/06/2019									
onservation.	conservation													
	measures.													
Soil and water	Method of soil and	1	2	Off	06-	3	2	-	-	16	4	19	6	25
Conservation.	water conservation.				07/06/2019									
Soil and water	Scientific method	1	2	Off	11-	3	2	-	-	16	4	19	6	25
testing.	of soil and water				12/06/2019									
	sample collection.													
Soil and water	Rain water	1	2	Off	15-	3	2	-	-	16	4	19	6	25
conservation	harvesting methods				16/06/2019									
	for multifarious use													
NI	of water.	1		Off	25	2	2			16	4	10	6	25
Nutrient use	Application technologies of	1	2	Off	25- 26/06/2019	3	2	-	-	16	4	19	6	25
efficiency.	technologies of bio-fertilizer				20/00/2019									
	(Rhizobium, PSB,													
	BGA, Azatobactor)													
	in crops, rice,													
	chickpea , lentil													
	and wheat and its													
	role.													
Production of	Application of	1	2	Off	02-	3	2	-	-	16	4	19	6	25
organic inputs	waste decomposer				03/07/2019									
	for composting of													
	farm waste.													
Integrated	Integrated Nutrient	1	2	Off	04-	3	2	-	-	16	4	19	6	25
Nutrient	Management in				05/07/2019									
Management.	rice.	1		0.00	00	2	2			16	4	10		25
Nutrient use	Nitrogen	1	2	Off	09-	3	2	-	-	16	4	19	6	25
efficiency	management in paddy crop by the				10/07/2019									
	Leaf colour chart													
	(LCC).													
Integrated	Integrated nutrient	1	2	Off	08-	3	2	-	-	16	4	19	6	25
nutrient	management	-	_		09/08/2019		_			10		.,		
management.	technologies in													
0	potato.													
Nutrient use	Application of	1	2	Off	21-	3	2	-	-	16	4	19	6	25
efficiency	sulphur in pulses				22/08/2019									
-	and oilseed.													
Integrated	Integrated Nutrient	1	2	Off	05-	3	2	-	-	16	4	19	6	25
Nutrient	Management in				06/09/2019									
management.	cauliflower													

Integrated Nutrient management.	Integrated Nutrient Management in Wheat.	1	2	Off	19- 20/09/2019	3	2	-	-	16	4	19	6	25
Production of organic inputs	Production of organic products (vermin compost, vermiwash , Punchgavya and Amrit pani)	1	2	Off	04- 05/10/2019	3	2	-	-	16	4	19	6	25
Nutrient use efficiency	Foliar application of liquid NPK and micro-nutrients in pulses.	1	2	Off	17- 18/10/2019	3	2	-	-	16	4	19	6	25
Micro nutrients deficiency	Method of foliar application of liquid NPK and micro- nutrients in fruits plant.	1	2	Off	05- 06/11/2019	3	2	-	-	16	4	19	6	25
Soil and Water conservation.	Method of fertigation through micro irrigation system in horticultural crops.	1	2	Off	15- 16/11/2019	3	2	-	-	16	4	19	6	25
Soil and Water conservation.	Water management during critical period in Rabi Pulses.	1	2	Off	03- 04/12/2019	3	2	-	-	16	4	19	6	25
Integrated nutrient management	Integrated Nutrient Management in onion.	1	2	Off	10- 11/12/2019	3	2	-	-	16	4	19	6	25
Soil and water Conservation.	Method of Water management in spring / summer vegetable.	1	2	Off	03- 04/01/2020	3	2	-	-	16	4	19	6	25
Production of organic inputs	Production technologies of organic inputs Vermi compost and Vermi wash.	1	2	Off	09- 10/01/2020	3	2	-	-	16	4	19	6	25
Soil and Water conservation.	Method of in- situ Crop residue management to check crop residue burning.	1	2	Off	05- 06/02/2020	3	2	-	-	16	4	19	6	25
Production of	Promotion of	1	2	Off	13-	3	2	-	-	16	4	19	6	25
organic inputs	organic farming.	1	2	Off	14/02/2020 12-	3	2	<u> </u>		16	4	19	6	25
Integrated Nutrient management.	Integrated nutrient management in Japani pudina.			UII	12- 13/03/2020			-	-					
	Total (Soil Science)	24	48	-	-	72	48	-	-	384	96	456	144	600

				Plant I	Breeding									
Nursery	Paddy: Nursery	1	2	On	22-	4	1	_	_	18	2	22	3	25
management	Management	1	2		23/05/2019	-	1			10	2		5	23
Seed	Urdbean: Quality	1	2	On	28-	4	1	-	-	18	2	22	3	25
Production	seed production	1	2	On	29/05/2019	-	1			10	2		5	25
Seed	Wheat: Quality	1	2	On	03-	4	1	_	_	18	2	22	3	25
Production	Seed production	1	2	On	04/06/2019	-	1			10	2		5	25
Seed	Mustard: Quality	1	2	On	10-	4	1	_	-	18	2	22	3	25
Production	Seed production	1	2	On	11/06/2019	-	1			10	2		5	23
Weed	Weed Management	1	2	Off	03-	4	1	_	-	18	2	22	3	25
Management	in Paddy	1	2	OII	04/07/2019	4	1	-	-	10	2		5	23
Seed	Paddy Quality	1	2	Off	29-	4	1		_	18	2	22	3	25
Production	Seed Production	1	2	OII	30/07/2019	-	1			10	2		5	23
Seed	Maize Quality	1	2	Off	12-	4	1	_	_	18	2	22	3	25
Production	Seed Production	1	2	OII	13/08/2019	-	1			10	2		5	23
Troduction	techniques of				13/00/2017									
Seed	Pigeon Pea Quality	1	2	Off	19-	4	1	-	-	18	2	22	3	25
Production	Seed production of	1	2	OII	20/08/2019	-	1			10	2		5	25
Seed	Okra Quality seed	1	2	Off	03-	4	1	-	-	18	2	22	3	25
Production	production	1	2	OII	04/09/2019	4	1	-	-	10	2		5	23
Seed	Bajra Quality Seed	1	2	Off	23-	4	1		-	18	2	22	3	25
Production	production	1	2	OII	24/09/2019	4	1	-	-	10	2		5	23
Seed	Quality seed	1	2	Off	24/09/2019	4	1		_	18	2	22	3	25
Production	production of	1	2	OII	25-26/09/2019	4	1	-	-	10	2	22	3	23
FIGUREIOII	Millet crop				20/09/2019									
Seed	Wheat Quality	1	2	Off	09-	4	1		-	18	2	22	3	25
Production	Seed production	1	2	OII	10/10/2019	4	1	-	-	10	2	22	3	23
FIGUREIOII	techniques				10/10/2019									
Seed	Quality seed	1	2	Off	13-	4	1		-	18	2	22	3	25
Production	production of	1	2	OII	14/10/2019	4	1	-	-	10	2	22	5	23
FIGUREIOII	Onion				14/10/2019									
Seed	Quality seed	1	2	Off	18-	4	1	-	-	18	2	22	3	25
Production	production of	1	2	OII	19/10/2019	4	1	-	-	10	2		5	23
Troduction	Brinjal				19/10/2019									
Seed	fodder crop (Oats	1	2	Off	21-	4	1	_	_	18	2	22	3	25
Production	and Berseem)	1	2	OII	22/10/2019	4	1	-	-	10	2		5	23
Troduction	Quality Seed				22/10/2017									
	production													
	techniques													
Seed	Potato Quality Seed	1	2	Off	23-	4	1	_	-	18	2	22	3	25
Production	production	1	2	OII	24/10/2019	-	1			10	2		5	23
Seed	Lentil and	1	2	On	15-	4	1	_	-	18	2	22	3	25
Production	ChickPea Quality	1	2		16/11/2019	-	1			10	2		5	23
Troduction	Seed production				10/11/2019									
Seed	Quality seed	1	2	Off	18-	4	1	-	-	18	2	22	3	25
Production	production of Field		-		19/11/2019		1			10			5	25
	pea													
Seed	Lentil Quality	1	2	Off	11-	4	1	-	-	18	2	22	3	25
Production	Seed production				12/12/2019	-							-	
Seed	Greengram Quality	1	2	Off	14-	4	1	-	-	18	2	22	3	25
Production	seed production	-			15/01/2020		_						-	
	<u>^</u>	1	2	Off	11-	4	1	-	-	18	2	22	3	25
Seed	Chickpea Quanty	-					1 · · ·	1	1	-	1	-	-	·
Seed Production	Chickpea Quality seed production	1			12/02/2020									
	seed production Quality seed	1	2	Off	12/02/2020 20-	4	1	-	_	18	2	22	3	25

Production	production of Okra				21/02/2019									
Seed	Urdbean: Quality	1	2	Off	21/02/2017	4	1			18	2	22	3	25
Production	seed production	1	2		20-21/03/2020	4	1	-	-	10			3	23
Seed	Quality seed	1	2	Off	21/03/2020	4	1	_	_	18	2	22	3	25
Production	production of	1	~		23/03/2020		1			10			5	23
	Tomato													
Το	tal (Plant Breeding)	24	48	-	-	96	24	-	-	432	48	528	72	600
	· • • • • •			Plant P	rotection	•				•		•	•	
Storage loss	Identification,	1	2	Off	23-	5	-	-	-	17	3	22	3	25
minimizing	nature of damage				24/05/2019									
technique	and control													
	measure of storage													
T 4 4 1	insects and pests	1	2	0.00	25	~				17	2	22	2	25
Integrated Disease	Soil borne diseases, their symptoms and	1	2	Off	25- 26/05/2019	5	-	-	-	17	3	22	3	25
Management	Management				20/03/2019									
Wanagement	through summer													
	ploughing & soil													
	Solarization													
Integrated Pest		1	2	Off	28-	5	-	-	-	17	3	22	3	25
Management	of summer				29/05/2019									
	vegetables and their													
Interneted Dest	management Application	1	2	Off	11.06.19	5		-		17	3	22	3	25
Integrated Pest Management	Method and	1	Z	OII	11.00.19	3	-	-	-	1/	3	22	3	23
wanagement	precaution during													
	uses of Chemical													
	pesticides													
Integrated Pest		1	2	Off	20-	5	-	-	-	17	3	22	3	25
Management	of rice nursery and				21/06/2019									
T 1	control measures.			0.55	27					15				25
Integrated	Integrated disease	1	2	Off	27-	5	-	-	-	17	3	22	3	25
Disease management	management In rice				28/06/2019									
Integrated	Disease caused by	1	2	Off	10-	5	-	-	-	17	3	22	3	25
disease	nutritional	1	-		11/07/2019	5				17	5		5	20
management	deficiencies and													
	their management													
Integrated Pest		1	2	Off	23-	5	-	-	-	17	3	22	3	25
Management	of cereals and				24/07/2019									
	pulses and their													
Integrated Pest	management Insect and Disease	1	2	Off	30-	5				17	3	22	3	25
Management	management in oil	1	L		30- 31/07/2019	3	-	-	-	1/	5	22	З	23
management	seed crop				51/07/2019									
Integrated pest	Ecofriendly	1	2	Off	16-	5	-	-	-	17	3	22	3	25
Management	management of				17/08/2019									
	pulses													
Integrated pest	Damage caused by	1	2	Off	20-	5	-	-	-	17	3	22	3	25
Management	mammals and their				21/08/2019									
Tuto cust - 1	management	1	4	ON	05	5		<u> </u>		17	3	22	3	25
Integrated insect pest	Insects and pests of orchard and their	1	4	ON	05- 06/09/2019	3	-	-	-	17	3	22	3	25
management	management				00/09/2019									
manazement	munugement			1			1	I	1		I]		l

Bio-control of pest and diseases	Application of Microbial pesticide for the management	1	2	Off	17- 18/09/2019	5	-	-	-	17	3	22	3	25
Production of bio control agents and bio pesticides (Bacteria, virus, fungi etc)	of insect pest Conservation of Natural enemies in rice ecosystem	1	2	Off	24- 25/09/2019	5	-	-	-	17	3	22	3	25
Application of bio control agents and bio pesticides (Bacteria, virus, fungi etc)	Production techniques of biocontrol agents	1	2	Off	07- 08/10/2019	5	-	-	-	17	3	22	3	25
Bio-control of pest & disease	Identificationandconservationofpredatorsandparasitoids inagriecosystem	1	2	ON	16- 17/10/2019	5	-	-	-	17	3	22	3	25
Integrated Pest management	diseases of crops caused by Abiotic factors and their management	1	2	Off	24- 25/10/2019	5	-	-	-	17	3	22	3	25
Storage loss minimization technique	Storage pest of Pulses and their control measure	1	2	Off	14- 15/11/2019	5	-	-	-	17	3	22	3	25
Integrated disease management	Early and Late blight disease of tomato and potato and their management	1	2	Off	18- 19/12/2019	5	-	-	-	17	3	22	3	25
Bio control Agent	Identification and utilization of bio- control agent in rabi season (Rai, mustard, cabbage, cauliflower, lentil, gram etc)	1	2	Off	13- 14/02/2020	5	-	-	-	17	3	22	3	25
Integrated Pest Management	Insect and disease management in onion crop	1	2	Off	12- 13/03/2020	5	-	-	-	17	3	22	3	25
Tota	al (Plant Protection)	21	44			105	-	-	-	357	63	462	63	525
	GRAND TOTAL	86	174	-	-	341	89	-	-	1479	24 1	182 0	330	215 0

(b) Rural youths

Thematic area	Title of Training	No	Durat	Venue	Tentative			No). of	Part	icipa	nts		
		•	ion	On/ Off	Date	S	С	S	Т	Ot	her		Tota	1
				UII		Μ	F	Μ	F	Μ	F	Μ	F	Т
	1			Agronom			-	-			-	-		
Crop diversification	Doublingfarmersincomethroughproductionofvalue crops	1	5	ON	01- 05/07/201 9	4	1	-	-	18	2	22	3	25
Integrated Farming System	DoublingfarmersincomethroughIntegratedfarmingsystem	1	5	ON	05- 09/08/201 9	4	1	-	-	18	2	22	3	25
Organic farming	Organic farming for sustainable production	1	5	ON	02- 06/09/201 9	4	1	-	-	18	2	22	3	25
Crop diversification	Doublingfarmersincomethroughproductionofvalue crops	1	5	OFF	07- 11/10/201 9	4	1	-	-	18	2	22	3	25
Integrated Farming System	DoublingfarmersincomethroughIntegratedfarmingsystem	1	5	OFF	09- 13/12/201 9	4	1	-	-	18	2	22	3	25
Organic farming	Organic farming for sustainable production	1	5	OFF	02- 06/03/202 0	4	1	-	-	18	2	22	3	25
	Total (Agronomy)	6	30	-	-	24	6	-	-	108	12	132	18	15 0
			S	Soil Science	ce	I	I.			I	I.			
Production of	Production	1	5	ON	18-	3	2	_	-	16	4	19	6	25
organic inputs	technologies of organic inputs vermicompost, Panchgavay, and vermi wash	1			23/06/201		2			10		17	0	20
Production of organic inputs	Production technology of Bio product viz vermin wash, Punchgavya, and Amritpani by using of waste decomposer and cow dung.	1	5	ON	14- 18/07/201 9	3	2	-	-	16	4	19	6	25
Soil and water testing.	Method of Soil testing through mini soil testing kit and Soil test Fertilizer recommendation.	1	5	ON	19- 23/10/201 9	3	2	-	-	16	4	19	6	25
Production of organic inputs	Production technology of <i>Azolla</i> and its use .	1	5	ON	19- 3/11/2019	3	2	-	-	16	4	19	6	25
Soil and water testing.	Method of Soil testing through mini soil testing kit and Soil test Fertilizer	1	5	ON	15- 21/12/201 9	3	2	-	-	16	4	19	6	25

	recommendation.													
Soil fertility management	In-situ crop residue management for sustainable soil health.	1	5	ON	18- 22/02/202 0	3	2	-	-	16	4	19	6	25
	Total (Soil Science)	6	30	-		18	12	-	-	96	24	114	36	15 0
			Pla	nt Breed	ing									U
Seed Production	QualityseedProduction ofPigeonPea	1	5	OFF	10- 14/06/201 9	4	1	-	-	18	2	22	3	25
Seed Production	Quality Seed Production of Tomato	1	5	ON	08- 12/07/201 9	4	1	-	-	18	2	22	3	25
Seed Production	QualitySeedProductionofMaize(Popcorn)	1	5	OFF	22- 26/07/201 9	4	1	-	-	18	2	22	3	25
Seed Production	QualitySeedProduction ofChickPea and Lentil	1	5	OFF	14- 18/10/201 9	4	1	-	-	18	2	22	3	25
Seed Production	Qualityseedproductionofvegetable Pea	1	5	ON	04- 08/11/201 9	4	1	-	-	18	2	22	3	25
	Total (Plant Breeding)	5	25	-	-	20	5	-	-	90	10	110	15	12 5
			Pla	nt Protec	tion					1				-
Mushroom production	Mushroom production: A source of income generation	2	5	ON	15- 19/10/201 9	4	-	-	-	16	-	20	-	20
			5	ON	04- 09/11/201 9	4	-	-	-	16	-	20	-	20
Beekeeping	Bee keeping: A viable source of income generation to rural	2	5	ON	14- 18/01/202 0	4	-	-	-	16	-	20	-	20
	youth		5	ON	21- 25/01/202 0	4	-	-	-	16	-	20	-	20
]	Fotal (Plant Protection)	4	20	-	-	16	-	-	-	64	-	80	-	80
	Grand Total	21	105			78	23	-	-	35 8	46	43 6	69	50 5

(c) Extension functionaries

Thrust area/	Title of Training	No	Dura	Venue	Tentative				No.	of Pa	rticip	ants		
Thematic area			tion	On/ Off	Date	S	С	S	Т	Ot	her		Tota	
				OII		M	F	M		M	F	Μ	F	Т
			Ag	gronom	Ŋ									
Integrated farming systems	Integrated farming system modules	1	2	ON	11- 12/07/2019	4	1	-	-	18	2	22	3	25
Organic farming	Organic farming	1	2	ON	19- 20/08/2019	4	1	-	-	18	2	22	3	25
Crop production	Productivity enhancement in field crops	1	2	ON	16- 17/10/2019	4	1	-	-	18	2	22	3	25
Crop intensification	Crop intensification for doubling farmers income	1	2	ON	10- 11/02/2020	4	1	-	-	18	2	22	3	25
	Total (Agronomy)	4	8	-	-	16	4	-	-	72	8	88	12	100
Soil Science										•	•	•		
Soil fertility management	Method of in- situ Crop residue management to check burning.	1	3	ON	23- 25.07.2019	5	-	-	-	17	3	22	3	25
Soil and water management/c onservation.	Rain water harvestingmethodsformultifarioususeofwater.	1	3	ON	21- 23.01.2020	5	-	-	-	17	3	22	3	25
Soil and water testing.	Method of Soil testing through mini soil testing kit and Fertilizer recommendation.	1	3	ON	24- 26.12.2019	5	-	-	-	17	3	22	3	25
Production of organic inputs	Production technologies of organic inputs (vermin compost, Panchgavay, and vermi wash)	1	3	ON	25- 27.02.2020	5	-	-	-	17	3	22	3	25
	Total (Soil Science)	4	12	-	-	20	-	-	-	68	12	88	12	100
			Plan	t Breed	ling									
Seed Production	Seed Production technique of Paddy	1	2	ON	06- 07/08/2019	4	1	-	-	18	2	22	3	25
Seed Production	Quality seed production of Kharif pulses	1	2	ON	29- 30/08/2019	4	1	-	-	18	2	22	3	25
Seed Production	Quality seed production of rabi pulses	1	2	ON	29- 30/11/2019	4	1	-	-	18	2	22	3	25
Seed Production	Quality seed production of wheat	1	2	ON	03- 04/12/2019	4	1	-	-	18	2	22	3	25
]	Fotal (Plant Breeding)	4	8	-	-	16	4	-	-	72	8	88	12	100
			Plant	Protec	ction					•	•			

IPM	IPM: principles and practices	2	3	ON	25- 27/05/2019	5	-	-	-	20	-	25	-	25
	1		3	ON	13- 14/06/2019	5	-	-	-	20		25	-	25
Bio control of pest and diseases	Biological control: The need	2	3	ON	02- 04/01/2020	5	-	-	-	20	-	25	-	25
	perspective in present scenario		3	ON	16- 18/01/2020	5	-	-	-	20	-	25	-	25
To	otal (Plant Protection)	4	12	-	-	20	-	-	-	80	-	100	-	100
	GRAND TOTAL	16	40	-	-	72	8	-	-	292	28	364	36	400

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

Farmers and Farm women

Thematic Area	No. of			No.	of Parti	icipant	s				Gra	and Tot	al
	Courses		Other			SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	3	54	6	60	12	3	15	-	-	-	66	9	75
Resource Conservation	1	18	2	20	4	1	5	-	-	-	22	3	25
Technologies													
Cropping Systems	1	18	2	20	4	1	5	-	-	-	22	3	25
Crop Diversification	1	18	2	20	4	1	5	-	-	-	22	3	25
Integrated Farming	2	36	4	40	8	2	10	-	-	-	44	6	50
Water management	2	36	4	40	8	2	10	-	-	-	44	6	50
Seed production	22	396	44	440	88	22	110	-	-	-	484	66	550
Nursery management	2	36	4	40	8	2	10	-	-	-	44	6	50
Integrated Crop Management	3	54	6	60	12	3	15	-	-	-	66	9	75
Fodder production													
Production of organic inputs	1	18	2	20	4	1	5	-	-	-	22	3	25
Others, (cultivation of crops)	5	90	10	100	20	5	25	-	-	-	110	15	125
Crop Production													
Nutrient Management	1	18	2	20	4	1	5	-	-	-	22	3	25
Climate Change	2	36	4	40	8	2	10	-	-	-	44	6	50
Agriculture Mechanization	2	36	4	40	8	2	10	-	-	-	44	6	50
III. Soil Health and Fertility													
Management													
Soil fertility management	1	16	4	20	3	2	5	-	-	-	19	6	25
Soil and Water Conservation	7	112	28	140	21	14	35	-	-	-	133	42	175
Integrated Nutrient Management	6	96	24	120	18	12	30	-	-	-	114	36	150
Production and use of organic	4	64	16	80	12	8	20	-	-	-	76	24	100
inputs													
Micro nutrient deficiency in crops	1	16	4	20	3	2	5	-	-	-	19	6	25
Nutrient Use Efficiency	4	64	16	80	12	8	20	-	-	-	76	24	100
Soil and Water Testing	1	16	4	20	3	2	5	-	-	-	19	6	25
VII. Plant Protection													
Integrated Pest Management	10	170	30	200	50	-	50	-	-	-	220	30	250
Integrated Disease Management	4	68	12	80	20	-	20	-	-	-	88	12	100
Bio-control of pests and diseases	2	34	6	40	10	-	10	-	-	-	44	6	50
Production of bio control agents	3	51	9	60	15	-	15	-	-	-	66	9	75
and bio pesticides	l												
Others, if any	2	34	6	40	10	-	10	-	-	-	44	6	50
Storage loss minimizing	l												
technique	l												
TOTAL	93	1605	255	1860	369	96	465				1974	351	2325
	1								1				

Rural youth

Thematic Area	No. of				No. of	f Partic	ipants				Grand	Total	
	Courses		Other	•		SC			ST				
		М	F	Т	М	F	Т	Μ	F	Т	Μ	F	Т
Mushroom Production	2	16	-	16	4	-	4	-	-	-	20	-	20
Bee-keeping	2	16	-	16	4	-	4	-	-	-	20	-	20
Integrated farming	2	36	4	40	8	2	10	-	-	-	44	6	50
Seed production	5	90	10	100	20	5	25	-	-	-	110	15	125

Thematic Area	No. of				No. of	f Partic	ipants				Grand	Total	
	Courses		Other	•		SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Organic Farming	2	36	4	40	8	2	10	-	-	-	44	6	50
Production of organic inputs	3	48	12	60	9	6	15	-	-	-	57	18	75
Bio control Agent	2	16	-	16	4	-	4	-	-	-	20	-	20
Crop diversification	2	36	4	40	8	2	10	-	-	-	44	6	50
Soil & water testing	2	32	8	40	6	4	10	-	-	-	38	12	50
Soil fertility management	1	16	4	20	3	2	5	-	-	-	19	6	25
TOTAL	23	342	46	388	74	23	97				416	69	485

Extension functionaries

Thematic Area	No. of	T			No. of	f Partic	ipants				Grand	Total	
	Courses		Other	c		SC			ST				
		Μ	F	Т	Μ	F	Т	М	F	Т	М	F	Т
Integrated Pest Management	2	40	-	40	10	-	10	-	-	-	50	-	50
Production and use of organic inputs	2	35	5	40	9	1	10	-	-	-	44	6	50
Crop intensification	1	18	2	20	4	1	5	-	-	-	22	3	25
Bio control of pest and diseases	2	40	-	40	10	-	10	-	-	-	50	-	50
Integrated farming systems	1	18	2	20	4	1	5	-	-	-	22	3	25
Crop production	1	18	2	20	4	1	5	-	-	-	22	3	25
Soil fertility management	1	17	3	20	5	-	5	-	-	-	22	3	25
Soil and water management/ Conservation	1	17	3	20	5	-	5	-	-	-	22	3	25
Soil and water testing	1	17	3	20	5	-	5	-	-	-	22	3	25
Seed Production	4	72	8	80	16	4	20	-	-	-	88	12	100
TOTAL	16	292	28	320	72	8	80				364	36	400

Skill Development Training Programme

Thematic area	Торіс	Duration	On/off	Duratio n	No	of p	oarti	cipar	ıts					Gra	nd to	otal
				(hrs)	Otl	iers	1	SC			ST					
				(1115)	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Organic farming	Organic growers	02/01/2019 to 05/02/2019	ON	200	15	2	17	3	-	3	-	-	-	18	2	20
Beekeeping	Bee Keepers	26/01/2020 to 10/03/2020	ON	200	15	2	17	3	-	3	-	-	-	18	2	20
Mushroom Production	Mushroom Grower	10/11/2019 to 20/12/2019	ON	200	15	2	17	3	-	3	-	-	-	18	2	20

4. Frontline demonstration to be conducted*

Crop	:	Rice
Thrust Area	:	Improved variety production
Thematic Area	:	Crop production
Season	:	Kharif
Farming Situation	:	Rice-wheat

		Proposed		Parameter	Cost of C	ultivation	(Rs.)		Ν	o. of f	armer	s / den	nonstr	ation		
SI.	Crop &	Area	Technology	(Data) in relation				SC	7	S	Т	Oth	ıer	-	Tota	
No.	variety / Enterprises	(ha)/ Unit (No.)	package for demonstration	to technology demonstrated	Name of Inputs	Demo	Local	М	F	Μ	F	М	F	Μ	F	Т
1	Rice var. Rajendra kasturi/ CR Dhan 909	10	Seed, seed treatment, foliar spray	No of panicles/m2, grains/panicle, 1000 grain weight, grain yield	Seed & fungicides	20000	-	4	1	-	-	18	2	22	3	25
	Total	10	-	-	-	20000	-	4	1	-	-	18	2	22	3	25

Activity	Title of	No.	Clientele	Duration	Venue	No	. of Par	ticipai	nts					
	Activity				On/Off	S	С	S	ST	Ot	her	То	tal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	BMP for rice production	2	Farmers	1	1 on and 1 off	4	1	-	-	18	2	22	3	25
Field day	Field day on rice	3	Farmers and extension workers	1	Off	30	15	-	-	225	30	255	45	300
	Total	5		-	04 Off + 01 On	34	16	-	-	243	32	277	48	325

Crop	:	Wheat
Thrust Area	:	Improved variety production
Thematic Area	:	Crop production
Season	:	Rrabi
Farming Situation	:	Rice-wheat

		Proposed			Cost of C	Cultivation	n (Rs.)		No). of f	farm	ners / (demo	nstra	tion	
SI.	Crop &	Area	Technology	Parameter (Data) in				S	C	S	Г	Oth	ner		Tota	1
No.	variety / Enterprises	(ha)/ Unit (No.)	package for demonstration	relation to technology demonstrated	Name of Inputs	Demo	Local	М	F	М	F	Μ	F	М	F	Т
1.	Wheat var HD 2967 under ZT	10	Seed, seed treatment, post emergence herbicide (Carfentrazone+Sulf osulfuron)	No of panicles/m2, grains/panicle, 1000 grain weight, grain yield, Weed density and weed dry weight	Seed, fungicide, herbicide	48000	-	4	1	-	-	18	2	22	3	25
2.	Wheat var HD 3086 under ZT	5	Seed, seed treatment, post emergence herbicide (Carfentrazone+Sulf osulfuron)	No of panicles/m2, grains/panicle, 1000 grain weight, grain yield, Weed density and weed dry weight	Seed, fungicide, herbicide	25000	-	2	1	-	-	6	1	8	2	10
	Total	15	-	-	-	73000	-	6	2	-	-	24	3	30	5	35

Activity	Title of	No.	Clientele	Duration	Venue	No.	of Par	ticipa	nts					
	Activity				On/Off	S	С		ST	Ot	her	To	otal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	BMP for wheat production	2	Farmers	1	1 on and 1 off	4	1	-	-	18	2	22	3	25
Field day	Field day on wheat	3	Farmers and extension workers	1	Off	30	15	-	-	225	30	255	45	300
	Total	5	-	-	1 On + 4 Off	34	16	-	-	243	32	277	48	325

Crop	:	Waste D-composer
Thrust Area	:	In-situ composting of crop residue
Thematic Area	:	Organic Farming
Season	:	Kharif & Rabi
Farming Situation	:	Rice-Wheat/Vegetable

		Proposed		Parameter	Cost of	Cultivation	(Rs.)		l	No. of	f farı	ners / o	demons	stratio	n	
SI.	Crop &	Area	Technology	(Data) in				S	С	S	Т	Ot	her		Total	
No.	variety /	(ha)/	package for	relation to	Name of	Demo	Local		_						_	
	Enterprises	Unit	demonstration	technology	Inputs			Μ	F	Μ	F	Μ	F	Μ	F	Т
		(No.)		demonstrated												
1.	Waste D-	1000	Composting,	Composting,	Waste D-	15000	-	100	100	-	-	700	100	800	200	1000
	composer	Nos.	Seed	Seed	composer											
			treatment	treatment,												
				folior spray												
	Total	1000	-	-	-	15000	-	100	100	-	-	700	100	800	200	1000

Activity	Title of Activity	No.	Clientele	Duration	Venue	No	o. of Par	ticipan	its					
					On/Off	S	SC	S	Г	Otl	ner	To	otal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	Application of waste decomposer for composting of farm waste.	1	Farmers	2	1 off	3	2	-	-	16	4	19	6	25
Field day	Field day on paddy/ wheat/ vegetable	2	Farmers and extension workers	1	Off	30	15	-	-	225	30	255	45	300
	Total	3	-	-	3 Off	33	17	-	-	241	34	244	51	325

Cluster Front Line Demonstration

Crop	:	Chickpea
Thrust Area	:	Demonstration of Improved variety
Thematic Area	:	Crop production
Season	:	Rabi
Farming Situation	:	Rice-chickpea

				Parameter	Cost of C	ultivation (Rs	.)			No. of f	farmer	s / den	ionsti	ation		
SI.	Crop &	Proposed	Technology	(Data) in				SC	2	S	Т	Oth	ner		Total	
No.	variety / Enterprises	Area (ha)/ Unit (No.)	package for demonstration	relation to technology demonstrated	Name of Inputs	Demo	Local	М	F	М	F	М	F	М	F	Т
1.	Chickpea	40	Seed, seed treatment, IPM (FIR, Pheromantrap) and foliar spray of micronutrinet	No of pods/plant, branches/plan t, 100 grain weight, grain yield,	Seed, fungicides, Rhizobium, micronutrie nt, Bio insecticide	360000	_	16	4		-	72	8	88	12	100
	Total	40	-	-	-	360000	-	16	4	-	-	72	8	88	12	100

Activity	Title of	No.	Clientele	Duration	Venue	No.	of Par	ticipa	nts					
	Activity				On/Off	S	С	S	ST	Ot	her	Το	otal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	BMP for chickpea	2	Farmers	1	1 on and 1 off	16	4	-	-	72	8	88	12	100
	production													
Field day	Field day	4	Farmers	1	Off	40	20	-	-	300	40	340	60	400
	on		and											
	chickpea		extension											
			workers											
	Total	6	-	-	5 Off + 1	56	24	-	-	372	48	428	72	500
					On									

Crop	:	Lentil
Thrust Area	:	Demonstration of improved variety
Thematic Area	:	Crop production
Season	:	Rabi
Farming Situation	:	Kharif fallow-lentil

		Proposed		Parameter	Cost of Cultivat	tion (Rs.)		No. o	f farm	ers / d	lemon	stratio	n			
SI.	Crop &	Area	Technology	(Data) in				SC		ST		Othe	er	Tota	l	
No.	variety / Enterprises	(ha)/ Unit (No.)	package for demonstration	relation to technology demonstrated	Name of Inputs	Demo	Local	М	F	М	F	М	F	Μ	F	Т
1.	Lentil	40	Seed, seed treatment, application of Trico derma before sowing and foliar spray of micronutrient	No of pods/plant, branches/plan t, 100 grain weight, grain yield,	Seed, fungicides, Rhizobium, micronutrient	360000	-	16	4	-	-	72	8	88	12	100
	Total	40	-	-	-	360000	-	16	4	-	-	72	8	88	12	100

Activity	Title of	No.	Clientele	Duration	Venue	No.	of Par	ticipa	nts					
	Activity				On/Off	S	С	S	T	Otl	her	То	tal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	BMP for lentil	2	Farmers	1	1 on and 1 off	16	4	-	-	72	8	88	12	100
	production													
Field day	Field day on lentil	4	Farmers and extension workers	1	Off	40	20	-	-	300	40	340	60	400
	Total	6	-	-	1 On + 5 Off	56	24	-	-	372	48	428	72	500

Crop: Mustard Thrust Area: Thematic Area: Crop production Season: Rabi Farming Situation: Rice-Mustard

		Proposed		Parameter	Cost of	Cultivation	(Rs.)		N	o. of	farm	ners / o	lemon	stratio	n	
SI.	Crop &	Area	Technology	(Data) in				SC		S	Т	Ot	her		Total	
No.	variety /	(ha)/	package for	relation to	Name of	Demo	Local									
110.	Enterprises	Unit	demonstration	technology	Inputs	Demo	Local	Μ	\mathbf{F}	Μ	F	Μ	F	Μ	F	Т
		(No.)		demonstrated												
1.	Mustard	40	Seed, seed	No of	Seed,	240000	-	16	4	-	-	72	8	88	12	100
			treatment,	pods/plant,	fungicide,											
			Neem Oil	branches/plan	insecticid,											
			spray 1500	t, 100 grain	sulphur											
			ppm and	weight, grain	1											
			sulphur	yield,												
	Total	40	-		-	240000	_	16	4	_	-	72	8	88	12	100
	I Utai	υ	_	_	_	240000		10	-	_	_	14	U	00	14	100

Activity	Title of	No.	Clientele	Duration	Venue	No.	of Par	ticipa	nts					
	Activity				On/Off	S	С	S	ST	Ot	her	То	tal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	BMP for mustard production	2	Farmers	1	1 on and 1 off	16	4	-	-	72	8	88	12	100
Field day	Field day on mustard	4	Farmers and extension workers	1	Off	40	20	-	-	300	40	340	60	400
	Total	6	-	-	1 On + 5 Off	56	24	-	-	372	48	428	72	500

Crop: Thrust Area: Thematic Area: Season: Farming Situation:

		Duonocod		Parameter	Cost of Culti	vation (Rs	.)]	No. (of fa	rmers	/ dem	onstra	tion	
SI.	Crop & variety /	Proposed Area	Technology	(Data) in				S	C	S	Т	Oth	ner		Total	-
No.	Enterprises	(ha)/ Unit (No.)	package for demonstration	relation to technology demonstrated	Name of Inputs	Demo	Local	М	F	М	F	М	F	М	F	Т
1.	Application of Zinc sulphate @ 25 kg/ha as basal dose and Potassium Chloride @1 gm/ water at panicle initiation stage in rice crop.	10	Zinc sulphate @ 25 kg/ha as basal dose and Potassium Chloride @1 gm/ water at panicle initiation stage in rice crop.	Grain & straw yield	Zinc sulphate & Potassium Chloride.	18500	-	6	3	-	-	25	6	31	9	40
2.	FLD of Bajra as a contingent crop.	10	PUSA Composite 612/ Hybrid HHB67 (ICAR)	Grain & straw yield	Seed HHB67	15000	-	6	3	-	-	25	6	31	9	40
3.	Demonstration of Happy seeder and waste decomposer for <i>in-situ</i> crop residue management & check crop burning.	5	Application of waste decomposer after harvesting of crop.	Pre & Post soil fertility status	Application of waste decomposer after harvesting of crop.	3500		6	3	-	-	25	6	31	9	40
	Total	25	-	-	-	37000	-	18	9	-	-	75	18	93	27	120

Activity	Title of Activity	No.	Clientele	Duration	Venue	No.	of Par	ticipa	nts					
					On/Off	S	SC		T	Other		r Total		
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Training	Scientific method of seed	2	PF	1	OFF	6	3	-	-	25	6	31	9	40
	treatment / inoculation.													
Field day	1. Production of hybrid as a contingent crop.	3	PF	1	OFF	6	3	-	-	25	6	31	9	40
	2. Application of waste decomposer after harvesting of crop.													
	 3. Application of Zinc sulphate @ 25 kg/ha as basal dose and Potassium 													
	Chloride in paddy.													
	Total	5	-	-	5 Off	12	6	-	-	50	12	62	18	80

Crop	:	Chickpea
Thrust Area	:	Crop Protection
Thematic Area	:	Integrated Pest Management
Season	:	Rabi 2019-20
Farming Situation	:	Rainfed

		Proposed		Parameter	Cost of Cu	ltivation	(Rs.)		N	o. of f	armer	s / den	nonsti	ation		
SI.	Crop &	Area	Technology	(Data) in				SC		S	Т	Other		Total		l
No.	variety /	(ha)/	package for	relation to	Name of	Demo	Local									
110.	Enterprises	Unit	demonstration	technology	Inputs	Demo	LUCAI	Μ	F	Μ	F	Μ	F	Μ	F	Т
		(No.)		demonstrated												
1.	Biopesticid	5	Bt var.	Infestation of	Bt. Powder	10000	-	-	-	-	-	40	-	40	-	40
	e (bacillus		kurstaki	Pod borer, pod	formulation											
	thuringiens		formulation	damage/m row,												
	is)		@ 1kg/ha at	larvae/m row,												
			the time of	yield												
			flowering													
				Total	-	-	-	-	-	-	-	40	-	40	-	40

Activity	Title of Activity	No.	Clientele	Duration										
					On/Off	S	SC		ST	Ot	her	To	otal	
						М	F	Μ	F	М	F	М	F	Т
	Management of chickpea pod borer through biopesticides	1	Practicing farmer	1 days	Off	5	-	-	-	15	5	20	5	25

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

Name of the	Variety /	Period	Area (ha.)		De	tails of Product	tion	
Crop / Enterprise	Туре	From to 		Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Rajendra Sweta	June- Nov,	1.5	C/S	50	45000	150000	105000
	MTU 7029	June- Nov,	1	C/S	35	25000	90000	65000
	BPT 5204	June- Nov,	2	C/S	60	50000	160000	110000
	Rajendra Kasturi/ CR 909	June- Nov,	1	C/S	25	25000	100000	75000
	CO 51	June- Nov	0.25	C/S	10	12000	30000	18000
	Swarna Shreya	June- Nov	0.25	C/S	8	11000	24000	13000
Wheat	HD 2967	Nov – April,	2	F/S	60	50000	192000	142000
Chick Pea	GNG 1581/Pusa 3043	Nov- March	4	F/S	40	70000	280000	210000
Mustard	RH-749	Nov- March	0.25	C/S	4	10000	40000	30000
Lentil	PL- 8	Nov- March	0.5	C/S	4	10000	40000	30000
Fish	Rehu/Katla/M rigale	May- March	0.4	-	40	100000	400000	300000
Turmeric	Black Turmeric	March- December	0.001	C/S	0.05	20000	350000	330000
		Grand Total	13.151		336.05	428000	1856000	1428000

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

b) Village Seed Production Programme

Name of	Variety /	Period	Area (ha)	No. of			Details of Pr	oduction	
the Crop / Enterprise	Туре	From to	(ha.)	farmers	Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Chick Pea	GNG 1581/3043	Nov- March	10	7	F/S	175	80000	250000	170000
		Total	10	7	F/S	175	80000	250000	170000

6. Extension Activities

Sl.		No. of		Fai	mers		Exten	sion Offi	cials	Total			
No.	Activities/ Sub-activities	activit ies propo sed	М	F	Т	SC/ ST (% of total)	Μ	F	Т	М	F	Total	
1.	Field Day	7	600	100	700	20	50	-	50	650	100	750	
2.	KisanMela	2	1200	200	1400	20	100	50	150	1300	250	1550	
3.	KisanGhosthi	4	100	50	150	20	40	10	50	140	60	200	
4.	Exhibition	4	120	70	190	20	15	5	20	135	75	210	
5.	Film Show	20	300	50	350	20	15	5	20	315	55	370	
6.	Method Demonstrations	2	70	20	90	20	10	-	10	80	20	100	
7.	Farmers Seminar	1	40	-	40	20	10	-	10	50	-	50	
8.	Workshop	1	40	-	40	20	10	-	10	50	-	50	
9.	Group meetings	2	80	5	85	20	10	5	15	90	20	110	
10.	Lectures delivered as resource persons	35	7000	500	7500	20	100	40	140	7100	540	7640	
11.	Advisory Services	1000	2500	500	3000	20	150	50	200	2650	550	3200	
12.	Scientific visit to farmers field	500	1500	60	1560	20	20	-	20	1520	60	1580	
13.	Farmers visit to KVK	500	1700	200	1900	20	-	-	-	1700	200	1900	
14.	Diagnostic visits	250	500	100	600	20	50	-	50	550	100	650	
15.	Exposure visits	4	120	30	150	20	10	-	10	130	30	160	
16.	Ex-trainees Sammelan												
17.	Soil health Camp	2	150	50	200	20	12	2	14	162	64	226	
18.	Animal Health Camp	2	120	70	190	20	20	5	25	140	75	215	
19.	Agri mobile clinic												
20.	Soil test campaigns	2	120	70	190	20	20	10	30	140	80	220	

21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	2	120	30	150	20	20	5	25	140	35	175
23.	Mahila Mandals Conveners meetings	2	120	30	150	20	20	5	25	140	35	175
24.	Celebration of important days World Earth Day 22/4/19 International Labour Day 1/5/19 World Environment Day 5/6/19 International Yoga Day 21/6/19 International Women Day 8/03/20 National Vigilance Week 30/10/19 to 4/11/19 Nationall Women Farmers Day 15/10/19 Kisan Diwas 23/12/19 World Soil Day 5/12/19 Constitutional Day 26/11/19 National Science Day 28/02/20	11	300	140	440	20	20	10	30	320	150	470
25.	Swatchta Hi Sewa 15/9/19 to 2/10/19	10	350	150	500	20	20	10	30	370	160	530
	Total	2363	17150	2425	19575	440	722	212	934	17872	2659	20531

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
Rs. 10.36909 Lakh	10.0 Lakh (approx)	15.0 Lakh (approx)

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in
		lakh)
CSISA	CIMMYT, INDIA	4.35
CRP on CA	ICAR-CIAE, Bhopal	2.0
CRP on FM & PF	ICAR-CIAE, Bhopal	2.0
	Total	8.35

9. On-farm trials to be conducted*

OFT – 1 (Agronomy)

Season	Rabi
Title of the OFT	Assessment of different sowing schedule of ZT wheat on yield, yield attributes
	and economics of wheat
Thematic Area	Sowing Window of ZT Wheat
Problem diagnosed	Poor yield of wheat due to delayed sowing
Important Cause	Delayed sowing of wheat and poor initial plant stand under conventional sowing
Production system	Rice-wheat
Micro farming system	Rice-wheat
Technology for Testing	Zero tillage sowing of wheat
Existing Practice	conventional sowing of wheat up to last of December
Hypothesis	Sowing of wheat using ZT minimized the field preparation time and provides the
	option for advance sowing of wheat. ZT also save the cost of crop establishment
	and enhance the wheat yield
Objective (s	1. To close yield gaps by late sowing of wheat after rice harvest.
	2. To quantify the profit margins from no-till planting done at different
	times.
Treatments:	Farmers practice- Sowing of wheat started in the month of November to
	end of December
	TO-1: 1-15 November wheat sowing by ZT
	TO-2: 16-30 November wheat sowing by ZT
	TO-3: 1-15 December wheat sowing by ZT
	TO-4: 15-31 December wheat sowing by ZT
Critical Inputs	Seed
Unit Size	0.2 ha
No of Replications	05
Unit Cost	Rs 2000
Total Cost	Rs 10000
Monitoring Indicator	Initial plant population, Plant height, No of shoots/ m^2 , no of grains/spike, dry
	weight of wheat/m ² , 1000 grain weight, Yield, Net return, B:C ratio
Source of Technology	ICAR-RCER, Patna and CSISA-CIMMYT,(India)

OFT – 2 (Agronomy)

Season	Rabi
Title of the OFT	Effect of water and boron management on terminal heat of late sown wheat
Thematic Area	Water & Nutrient Management
Problem diagnosed	Poor yield of late sown wheat due to terminal heat stress at heading stage
Important Cause	Delayed sowing of wheat and no application of irrigation at heading stage
Production system	Rice-wheat
Micro farming system	Rice-wheat
Technology for Testing	Application of irrigation water and foliar spray of 05% borax
Existing Practice	No use of irrigation water and borax at heading stage
Hypothesis	Combination of irrigation and application of boron at before flowering
	increase the uptake of boron in crop resulting more wheat yield and
	availability of moisture fight against terminal heat stress
	availability of monstare right against terminal near stress
Objective(s	 To understand the interaction of irrigation & Boron and its effect on sterility in wheat. A trail with one set of three treatments with different numbers of irrigation will be conducted on multiple farmer's filed.
Treatments:	Farmers practice (No use of Boron+ 3 irrigation) TO1: 3 irrigation + 5% Borax at 75-80 DAS (5 g/liter) TO2: 4 irrigation + No use of Boron TO3: 4 irrigation + 5% Borax at 75-80 DAS (5 g/liter)
Critical Inputs	Seed and borex
Unit Size	0.2 ha
No of Replications	05
Unit Cost	Rs 2500
Total Cost	Rs 12500
Monitoring Indicator	Initial plant population, Plant height, No of shoots/m ² , no of grains/spike, dry
	weight of wheat/m ² , 1000 grain weight, Yield, Net return, B:C ratio
Source of Technology	ICAR-RCER, Patna and CSISA-CIMMYT,(India)

Season	Rabi
Title of the OFT	Assessment of conservation agriculture practice on yield of lentil in Rice-
	Lentil cropping system
Thematic Area	Soil and Water conservation
Problem diagnosed	Low yield of lentil crop due to no follow of proper cultivation sowing practice in
	rice- lentil cropping system.
Important Cause	No follow of proper cultivation sowing practice caused low yield of lentil in rice
-	wheat cropping system .
Production system	Rice- Lentil
Micro farming system	Lentil cropping system
Technology for Testing	Assessment
Existing Practice	Para Cultivation
Hypothesis	The recommendation technology of the conservation agriculture practice zero
	tillage and one ploughing with line sowing may enhance the productivity of lentil
	in rice-lentil cropping system.
Objective(s	to assess conservation practice on yield of lentil in rice- lentil cropping
	system.
	Farmers Practice (FP): (Para cultivation.)
Treatments:	
Treatments:	T1: One ploughing with line sowing practice.
Treatments:	
Treatments:	T1: One ploughing with line sowing practice.T2: Zero tillage practice
Treatments: Critical Inputs	
	T2: Zero tillage practice
Critical Inputs	T2: Zero tillage practice Seed, Zero tillage implements and plant protection chemical.
Critical Inputs Unit Size	T2: Zero tillage practice Seed, Zero tillage implements and plant protection chemical. 1000 m ² .
Critical Inputs Unit Size No of Replications	T2: Zero tillage practice Seed, Zero tillage implements and plant protection chemical. 1000 m ² .
Critical Inputs Unit Size No of Replications Unit Cost	T2: Zero tillage practice Seed, Zero tillage implements and plant protection chemical. 100 m ² . 10 Rs. 615/-
Critical Inputs Unit Size No of Replications Unit Cost Total Cost	T2: Zero tillage practice Seed, Zero tillage implements and plant protection chemical. 1000 m ² . 10 Rs. 615/- Rs. 6150/-

OFT – 4 (Soil Science)

Season	Rabi							
Title of the OFT	Effect of zinc and bio fertilizer application on yield and yield attribute characters							
	of chick pea							
Thematic Area	Micro nutrients deficiency							
Problem diagnosed	Low yield of chickpea due to imbalance use of nutrients because zinc sulphate and							
	Rhizobium culture play a vital role to enhance nodule formation and pod							
	formation							
Important Cause	Improper application of NPK S, Zinc sulphate and bio- fertilizers .							
Production system	Rice – Chickpea cropping system.							
Micro farming system	Rice – Chickpea cropping system.							
Technology for Testing	Assessment							

Existing Practice	no application of Zinc sulphate and Rhizobium culture)						
Hypothesis	The soil test based recommendation the manure and fertilizers use may enhance						
	the productivity in Chickpea						
Objective(s	Effect of zinc and bio fertilizer application on yield and yield attribute characters of chick pea .						
Treatments:	Farmers Practice: (no application of Zinc sulphate and Rhizobium culture)						
	T1: RDF(NPK18:40:20) Kg/ha+ 20 kg Zinc sulphate/ha .						
	T2: RDF(NPK18:40:20) Kg/ha+ 25 kg Zinc sulphate with Rhizobium/ha						
Critical Inputs	Seed, zinc sulphate , borax , Rhizobium culture and plant protection chemical.						
Unit Size	1000 m ² .						
No of Replications	10						
Unit Cost	Rs. 615/-						
Total Cost	Rs. 6150/-						
Monitoring Indicator	No of nodules, no. of branches, plant height (cm), biomass, grain and						
	straw yield, test weight (gm).						
Source of Technology	IIPR, Kanpur.						

OFT – 5(Plant Breeding)

Season	Rabi						
Title of the OFT	Evaluation of chickpea late sown Variety in Buxar district						
Thematic Area	Varietal evaluation						
Problem diagnosed	Buxar is dominated in rice wheat cropping system. Farmer's practices get						
	delayed in kharif due to late on set of monsoon. This delayed leads to						
	delayed in sowing of rabi crops. Hence Chickpea yield is directly affected.						
Important Cause	Low yield of chickpea						
Production system	Agri Horti						
Micro farming system	Agri Horti						
Technology for Testing	For late condition varietal evaluation						
Existing Practice	Farmers use old variety of chickpea						
Hypothesis	Existing var. is found low yielding as will be evaluated with HYV of Pusa						
	362 and Pusa 547						
Objective(s)	To replace the existing var. to HYV						
Treatments:	Farmers practices – Pusa 362						
	T1- Pusa 547						
	T2- Pusa 3043						
Critical Inputs	Seed, Seed treatment (FIR), Fertilizer						
Unit Size	200m ²						
No of Replications	10						
Unit Cost	800/-						
Total Cost	8000/-						
Monitoring Indicator	No. of Pods, Hundred grain weight, Net return & B:C ratio						
Source of Technology	ICAR-IARI, New Delhi						

OFT – 6 (Plant Breeding)

Season	Kharif							
Title of the OFT	Assessment of varietal & Nutrient management of Pigeon Pea in district							
The of the OF I	Buxar.							
Thematic Area	Nutrient management							
	v							
Problem diagnosed	Flower dropping & grain filling problem in old variety of pigeon pea due							
	to climate changes in buxar district.							
Important Cause	Low yield of Pigeon Pea							
Production system	Agri Horti							
Micro farming system	Agri Horti							
Technology for Testing	Nutrient Managment							
Existing Practice	No use of micro nutrient managment							
Hypothesis	Flower dropping and grain filling problem in existing var. will be replaced							
	by the technology IPA 203 + Basal application of Micro nutrient							
	(Molybdenum + Boron @1.0 kg/ha) and Foliar application of micro							
	nutrient (Molybdenum + Boron @ 0.2%)							
	nutrent (Worybachum + Boron @ 0.276)							
Objective (s	Problem of the flower dropping will be checked y the trail.							
Treatments:	Farmers practice (Narendra Arhar 1)							
	T ₁ IPA 203 + Basal Application of Micro nutrient (Molybdenum and							
	Boron @1.0 kg/ha)							
	T ₂ IPA 203 + Basal application of Micro nutrient (Molybdenum + Boron							
	@1.0 kg/ha) + Foliar application of micro nutrient (Molybdenum + Boron							
	@ 0.2%)							
Critical Inputs	Seed, Seed treatment (FIR), Fertilizer							
Unit Size	200 m^2							
No of Replications	10							
Unit Cost	1000/-							
Total Cost	Rs. 10000/-							
Monitoring Indicator	No of pod/ plant, No of grains/earhead, 1000 grain weight, Yield (kg/ha),							
	Net return, B:C ratio							
Source of Technology	ICAR- IIPR, Kanpur							

OFT – 7 (Plant Protection)

Season	Kharif						
Title of the OFT	Assessment of new chemical molecules for the management of Rice Stem						
	Borer (Scirpopha gaincertulas)						
Thematic Area	IPM						
Problem diagnosed	Yellow stem borer is a serious pest of rice in the district. Stem borer occurs both						
	in kharif and rabi seasons. Moderate to severe incidence is noticed in nursery,						
	planting to mid-tillering and panicle initiation stages. Heavy infestation results in						
	40-60 per cent yield loss.						
Important Cause	The larvae bore into the plant as a result of which the central shoot of th						
	young plant dries up causing "dead hearts". In older plants the whole earhead						
	become whitish and chaffy. Loss caused to rice production by this very pest i						
	different regions and seasons varies from 5-90%.						
Production system	Irrigated						
Micro farming system							
Technology for Testing	g New chemical molecule Chlorantraniliprole + Thiamethoxam @2.5						
	kg/acre						
Existing Practice	Application of Cartap hydrochloride 4 G						
Hypothesis	Use of new and combination of formulation of chemical insecticide will						
	help to check the damage severity						
Objective(s	To minimize the pest population below the Economic Threshold Level						
	to avoid economic damage and sustainable agriculture.						
Treatments:	Farmers Practice (FP):						
	T1: Chlorantraniliprole + Thiamethoxam @2.5 kg/acre						
	T2: Fipronil 0.3 @ 8 kg/ acre						
	T3: Carbofuron 3 G @ 13 kg/acre						
Critical Inputs	Chemical pesticides						
Unit Size	$1/4 \text{ acre } 1000 \text{ m}^2$						
No of Replications	5						
Unit Cost	Rs. 1500/-						
Total Cost	Rs. 7500/-						
Monitoring Indicator	Dead heart at tillering and panicle initiation stage, egg mass/m ² , pest						
	infestation, yield/ha and BC ratio.						
Source of Technology	(Indian Institute of Rice Research, Hyderabad)						

OFT – 8 (Plant Protection)

Season	Rabi 2019-20						
Title of the OFT	Assessment of new combination of insecticide against <i>Helicoverpa</i> in						
	chickpea crop						
Thematic Area	IPM						
Problem diagnosed	Chickpea, (Cicer arietinum L.) is an important pulse crop in the district and						
	the <i>Helicoverpa armigera</i> , is the serious which causes both quantitative and						
	qualitative losses.						
Important Cause	On an average, $30 - 40\%$ pods were found to be damaged by this pest and a						
I	average of 400 kg/ha grain was lost by the borer (Rahman, 1990). I						
	favourable condition, pod damage goes upto 90-95 per cent (Shengal an						
	Ujagir, 1990). Preference of insecticides depends on their easy availabilit						
	and applicability, but their excessive and indiscriminate use has resulted in th						
	development of insecticidal resistance in the pests and environmenta						
	pollution (Phokela et al., 1990)						
Production system	Rainfed						
Micro farming system	Rice-wheat cropping system						
Technology for Testing	Efficacy of insecticides combination to control Gram Pod borer (H.						
	<i>armigera</i>) in chickpea crop for Buxar district.						
Existing Practice	Application of pesticides						
Hypothesis	Use of new, safe chemical molecules will bring the pest population below						
	ETL and also to check the development of insecticide resistance.						
Objective(s	To minimize the <i>H. armigera</i> population below the economic injury level.						
Treatments:	Farmers Practice (FP): (Lambdacyhalothrin)						
	T1: Emamectin benzoate 1.9 EC @232 ml/ acre						
	T2: Emamectin benzoate 1.5 + Fipronil 3.5 SC @ 250 ml/acre						
	T3: Flubendiamide 480 SC @ 40 g/acre						
Critical Inputs	Chemical pesticides						
Unit Size	$1/4 \text{ acre } 1000 \text{ m}^2$						
No of Replications	5						
Unit Cost	Rs. 1500/-						
Total Cost	Rs. 7500/-						
Monitoring Indicator	Incidence of <i>H. armigera</i> , percent pod damage, Yield/ha, BC ratio						
Source of Technology	IIPR Kanpur						

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

Sl. No.	Name of the project	Fund expected (Rs.)						
1	11. No. of success stories proposed to be developed with their tentative titles:- 05							

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
25-July, 2018	25-July-2019

13. Soil and water testing

Details	No. of Samples	No.	of F	`arm	ers		No. of Villages	No. of SHC distributed				
		SC		ST		Other			Total			
		Μ	F	Μ	F	Μ	F	Μ	F	Т		
Soil Samples	200	20	05	_	-	160	15	180	20	200	08	350
Water Samples	20	02	-	-	-	18	-	20	-	20	02	20
Other (Please specify)												
Total	220	22	05	-	-	178	15	200	20	220	10	370

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)		
Pay & Allowances	12185891	14000000		
ТА	47922	250000		
Research & Operational Expenses		200000		
A. Research Expenses	13200			
B. Operational Expenses	120099			
Administrative Expenses :-		800000		
A. Infrastructure	136947			
B. Communication	516			
C. Repair & Maintenance	70037			
D. Others (excluding TA)	376515			
Total Administrative Expenses	584015			
Total General / Contingencies	850360	1500000		
Capital Expenses	376986	700000		
Total	13413237	17450000		

* 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

- Organic farming in vegetable growing area.
- Sowing of Wheat through ZT.
- Sowing of Wheat through Happy seeder.
- Varieties of Chickpea (Var.) & Lentil (Var.) crops accepted widely.
- Bee keeping 08 units established in the district.