# ACTION PLAN (2019-2020)

### 1. Name of the KVK:

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P.O Chopra, DistUttar Dinajpur,		
West Bengal, Pin-733216		

# 2. Name of host organization :

Address	Telephone		E mail
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Uttar Banga Krishi Viswavidyalaya	03582-270986		deeubkv@gmail.com
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# 3. Training programme to be organized (April 2019 to March 2020)

### (a) Farmers and farmwomen

							٢	No. of	Partic	ipant	s			
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	С	S	Т	Ot	her		Total	
				UnyUn	Date	М	F	М	F	М	F	М	F	Т
Agronomy														
Resource Conservation	Zero Tillage Rice cultivation	1	3	ON	June 24-26, 2019	10	0	0	0	10	0	20	0	20
Nursery Management	Raising of healthy rice seedlings following improved agro- techniques	2	2	ON/ OFF	July 02-03, 2019 & July15-16, 2019	20	0	0	0	20	0	40	0	40
Integrated Crop Management	Integrated Nutrient and Weed Management for higher productivity of <i>Kharif</i> rice.	2	2	ON/OFF	July 24-25,2019 & July 29-30, 2019	20	0	0	0	20	0	40	0	40
Nutrient Management	Judicial Nitrogen Management of rice using LCC	2	2	ON/ OFF	Aug. 01-02, 2019 & Aug. 27-28, 2019	20	0	0	0	20	0	40	0	40
Integrated Soil Health Management	Use of bio-fertilizers and its inoculation for soil health management.	1	3	ON	Sept. 11-13, 2019	10	0	0	0	10	0	20	0	20
Integrated Crop Management	Improved package & practices of Rapeseed and Mustard cultivation.	2	2	ON/ OFF	Oct. 24-25, 2019 & Oct. 29-30, 2019	20	0	10	0	10	0	40	0	40
Resource Conservation	Zero tillage technology of wheat cultivation	2	2	ON	Nov. 07-08, 2019 & Nov. 13-14, 2019	20	0	0	0	20	0	40	0	40
Integrated Crop Management	Improved package & practices of Potato cultivation.	2	2	ON/ OFF	Dec. 03-04, 2019 & Dec.10-11, 2019	20	0	0	0	20	0	40	0	40
Nursery Management	Raising Boro Rice nursery with polythene mulch and under poly tunnel	1	3	OFF	Janu. 7-9, 2020	10	0	0	0	10	0	20	0	20
Integrated Crop Management	Improved package & practices of Maize cultivation.	2	2	ON	Feb. 10-11,2020 Feb. 18-19,2020	20	0	0	0	20	0	20	0	40

									No. of	Partio	cipant	S		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	9	SC	9	ST	Ot	her		Total	
				Un/Uff	Date	М	F	М	F	М	F	Μ	F	Т
Horticulture														
Vegetables-	Organic vegetable cultivation	1	3	OFF	April 8-10, 2019	0	0	0	0	5	20	5	20	25
organic cultivation	technique													
Fruits – Organic cultivation	Organic fruit cultivation technique	1	3	OFF	April 24-26, 2019	0	0	0	0	5	20	5	20	25
Off season	Scientific management	1	3	OFF	May 13-15, 2019	8	4	5	0	5	3	18	7	25
vegetable	practices of off-season vegetables													
Resource	Better space management for	1	3	ON	May 20-22, 2019	0	0	20	5	0	0	20	5	25
Conservation	higher profitability in													
Technology	horticultural crops.													
Vegetables-	More profit with high value	1	3	ON	June 19-21, 2019	8	2	0	0	8	2	16	4	20
Production of	crops													
low volume and														
high value crops														
Fruits- Plant	Different plant propagation	1	3	ON/OFF	July 01-03, 2019	0	0	18	7	0	0	18	7	25
propagation	technique of fruit plants.													
technique				0.55		_				-		47		0.5
Plantation Crops-		1	3	OFF	July 24-26, 2019	/	3	3	2	/	3	1/	8	25
Production &	Scientific management of													
management	beteivine boroj													
technology		2	2		Aug 07 08 2010 8	0		10	6	10	2	27	12	50
Vegetables-	Proper preparation of seedbed	Z	2	UN/UFF	Aug. 07-06, 2019 &	0	5	19	0	10	2	57	15	50
	for raising hearthy seedings.	1	2		Aug. 19-20, 2019			10	7			10	7	25
Managaments of	Scientific Management	T	5	UFF	Sept 11-15, 2019	-	-	10	/	-	-	10	· /	25
orchard	technique of mango orchard													
		1	2	ON	Sent 16-18, 2019	8	2	2	0	9	2	20	5	25
Export notential	Cultivation of non-	T	5	ON	Sept 10-10, 2015			5			2	20		25
vegetables	conventional winter vegetable													
Fruits- Exotic	Cultivation of non-	1	3	ON	Oct 16-18, 2019	9	3	3	1	6	3	18	7	25
fruit Cultivation	conventional fruits													

								٢	lo. of	Partic	ipant	s		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	SC	S	т	Ot	her		Total	
				Un/Uff	Date	М	F	М	F	М	F	М	F	Т
Vegetables- Production and management technology	Winter vegetable cultivation	1	3	OFF	Oct 23-25, 2019	9	4	0	0	8	4	17	8	25
Vegetable- Production and management technology	Scientific crop management techniques of chilli	1	3	ON/OFF	Nov 06-08, 2019	8	3	3	0	9	2	20	5	25
Spices- Production and manage ment technology	Importance of spices in better livelihood management	1	3	OFF	Nov 20-22, 2019	10	2	0	0	10	3	20	5	25
Micro nutrient deficiency in crops	Micro nutrient managements of vegetables	1	3	ON	Dec 9-11, 2019	8	6	3	0	5	3	16	9	25
Vegetable –Off- season vegetables	Improved cultivation technique of late season vegetables	1	3	OFF	January 6-8, 2020	9	3	4	1	5	3	18	7	25
Export potential fruits	Cultivation practices of export quality pineapple	1	3	ON	January 22-24, 2020	10	4	0	0	8	3	18	7	25
Vegetables- Production and management technology	Techniques of cultivation of Summer vegetables with special reference to cucurbits.	2	3	OFF/ON	Feb, 03-05, 2020 Feb 24-26, 2020	10	3	18	7	8	4	36	14	50
Ornamental crops- Production and management technology	Scientific management practices of flower crops	1	3	OFF	March 03-05, 2020	13	0	5	0	7	0	25	0	25
Fruits - Cultivation of fruits	Scientific management practices of Watermelon	1	3	ON	March 16-18, 2020	8	3	3	1	8	2	19	6	25

						No. of Participants								
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	С	S	т	Ot	her		Total	
				01/01	Date	М	F	М	F	М	F	Μ	F	Т
Plant Protection	on													
IDM	Disease management of jute	1	2	ON	May 13-14, 2019	10	0	0	0	10	0	20	0	20
Seed Treatment	Techniques of seed treatment of different crops	2	2	OFF/ON	May 20-21, 2019; & May 27-28, 2019	15	0	10	0	15	0	40	0	40
IPM	Techniques of Integrated Pest Management of <i>kharif</i> rice.	2	2	OFF/ON	June 19-20, 2019; & July 03-04, 2019	15	0	5	0	15	5	35	5	40
IDM	Use of bio pesticide and bio- fertilizer for disease management	2	2	OFF/ON	June 26-27, 2019; & July 09-10, 2019	20	0	5	0	15	0	40	0	40
Pesticide handling	Handling and care of pesticide.	2	2	ON	July 15-16, 2019 & July 22-23,2019	15	0	10	0	15	0	40	0	40
IPM	IPM of Brinjal fruit and shoot borer (through Pheromone trap & Neem based pesticides)	2	2	OFF/ON	Aug. 05-06, 2019; & Aug. 19-20, 2019	15	5	8	0	12	0	35	5	40
Pesticides Compatibility	Compatibility of pesticides (Between pesticides & Micronutrient)	2	2	ON	Sept. 04-05, 2019 & Sept. 16-17, 2019	18	0	10	0	12	0	40	0	40
IPM	Management of aphid in mustard.	2	2	OFF/ON	Oct.22-23, 2019 & Nov. 04-05, 2019	14	6	6	0	14	0	34	6	40
IDM	Disease management of potato	2	2	ON/ OFF	Nov. 25-26, 2019 & Nov. 27-28, 2019	24	0	0	0	16	0	40	0	40
IDM	Disease management of winter vegetables (Cole crops and )	2	2	ON/OFF	Dec. 03-04, 2019 & Dec.10-11, 2019	20	0	5	0	15	0	40	0	40
IPM	Management of insect & disease of Maize.	2	2	ON/OFF	Janu. 06-07, 2020 & Janu. 20-21, 2020	20	0	0	0	20	0	40	0	40
IPM	Pest management of summer vegetables	2	2	ON/OFF	Feb. 04-05, 2020 & Feb. 13-14, 2020	20	0	0	0	20	0	40	0	40
IPM	IPM of fruit crops with special reference to Mealy bug.	1	2	ON	March. 04-05, 2020	10	0	0	0	10	0	20	0	20
IPM	Pest management of fruit crops specially mango, banana etc.	1	2	ON	March. 18-19, 2020	10	0	0	0	10	0	20	0	20

									No. of	Partic	cipant	S		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	9	SC		ST	Ot	her		Total	
				On/Oπ	Date	М	F	М	F	Μ	F	М	F	Т
Fishery														
Preparation of	Preparation and water quality	2	3	ON/OFF	April 09-11, 2019 &	30	0	0	0	10	0	40	0	40
aquaculture	management of fish culture				May 14-16, 2019									
pond	Pond													
Composite Fish	Package and practices of	3	3	ON/OFF	June 18-20,2019,	35	0	0	0	25	0	60	0	60
Culture	composite fish culture.				June 25-27, 2019, &									
					July 10-12, 2019									
Integrated Fish	Integrated Fish-cum-Duck-cum-	2	3	ON/OFF	July 23-25, 2019, &	25	5	0	0	10	0	35	5	40
Farming	Vegetables cultivation for				August 27-29, 2019									
	resources and enhancing return													
	per unit area.													
Air breathing Fish	Effective utilization of seasonal	2	3	OFF	Sep. 18-20, 2019 &	30	0	0	0	10	0	40	0	40
Culture	water body through air				Nov. 06-08, 2019									
	breathing fish culture.													
Culture of	Culture practices of Pabda	1	3	OFF	Nov. 19-21, 2019	12	0	0	0	8	0	20	0	20
commercially														
important														
Fish Disease	Common fish diseases and their	2	3		Dec 11-13 2019 &	30	0	0	0	10	0	40	0	40
	control	2	5		Jan 15-17, 2020	50				10		40		40
Monosex culture	Monosex culture of Tilapia	2	3	OFF	Dec. 17-19, 2019 &	20	0	0	0	20	0	40	0	40
					Jan 28-30, 2020									
Judicious use of	Judicious use of chemicals in	1	3	OFF	Feb. 12-14, 2020	15	0	5	0	0	0	20	0	20
chemicals	fish culture pond	2	2	055	5 4 40 20 2020 0	20		-		45		10		40
Indigenous fish	Culture practices of Mourala	2	3	OFF	Feb. 18-20, 2020 &	20	0	5	0	15	0	40	0	40
	(A. Mold)				Widf. 11-13, 2020									
Home Sc.														
Household	Planning, establishing and	1	03	ON	April 22-24, 2019	0	8	0	2	0	10	0	20	20
nutritional	management of nutritional													

		Venue Tentative				1	No. of	Partic	ipant	S				
Thematic area	Title of Training	No.	Duration	Venue	Tentative	9	6C	9	т	Ot	her		Total	
				On/Off	Date	М	F	М	F	М	F	М	F	Т
security	garden													
Value addition	Hands on training on Value	2	03	ON	May 6-8, 2019 &	0	10	0	5	0	10	0	25	25
	added products from Jackfruit				June12- 14, 2019									
Income generation activities for	Improved package of practices	1	03	ON	May 14-16, 2019	4	8	2	2	4	5	10	15	25
empowerment of rural Women	for Mushroom cultivation													
Women and child care	Preparation of low cost weaning foods	1	03	OFF	May 20-22, 2019	0	10	0	5	0	5	0	20	20
Cattle health and Milk production	Improved practices of azolla cultivation for animal feed.	1	03	ON/OFF	June 24-26, 2019	0	10	0	4	0	6	0	20	20
Production of organic inputs	Vermicompost production technology	2	03	ON	July 03-05, 2019 and July 10-12, 2019	10	20	2	5	3	10	15	35	50
Women and child care	Awareness training on micro nutrient deficiency disorders in farm families with special reference to Vit D and its measures for rectification	2	03	ON/OFF	Aug 06-08, 2019 and Sept 02-04, 2019	0	18	0	10	0	12	0	40	40
Minimization of nutrient loss in processing (NARI project)	Training on practices for reducing nutrient losses during processing of fruits and vegetables	1	03	ON/OFF	Sept 05-07, 2019	0	10	0	10	0	0	0	20	20
Women and child care (NARI project)	Preparation of low cost weaning foods	1	03	ON	Oct 21-23, 2019	0	9	0	5	0	6	0	20	20
Location specific	Improved	1	03	ON/OFF	Nov 05-07, 2019	0	10	0	5	0	10	0	25	25
drudgery reduction technologies	Agricultural implements with special reference to women friendly tools.													
Production of organic inputs	Vermicompost production technology	1	03	ON	Jan 08-10, 2020	5	5	0	0	0	10	5	15	20

						No. of Participants						S		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	С	9	т	Ot	her		Total	
				Un/Uff	Date	М	F	М	F	М	F	М	F	Т
Designing and development for high nutrient efficiency diet (NARI project)	Methods of enhancing nutrient efficiency of food by bio- fortification of locally available foods	1	03	ON/OFF	Jan 20-22, 2020	0	10	0	5	0	10	0	25	25
Household food security (NARI project)	Planning, establishing and management of nutritional garden	1	03	OFF	Feb 25-27, 2020	0	8	0	2	0	10	0	20	20
Plant protection	on (Prog. Assit. Lab.)													
ЮМ	Integrated Disease	2	2	ON	Jun 27-28,2019 &	30	0	0	0	10	0	40	0	40
	Management of Kharif Rice				July 17-18, 2019									
IDM	Soil Born Diseases of field crops and their management techniques through Bio - pesticide.	2	2	ON	July 30-31,2019 & Aug 14-15 ,2019	30	0	5	0	5	0	40	0	40
IDM	Nursery Disease Management of winter Vegetables	2	2	ON	Aug 28-29 ,2019 & Sept 26- 27,2019	20	0	10	0	10	0	40	0	40
IDM	Integrated Disease Management of Strawberry	1	2	ON	Nov 29-30, 2019 & Dec. 20-21, 2019	15	0	0	0	5	0	20	0	20
IDM	Diseases of Cucurbits & their Management Practices.	2	2	ON	Janu 16-17, 2020 & Janu 21-22, 2020	20	0	0	0	20	0	40	0	40

### (b) Rural Youths

				Vanua	Tontativo			Ν	lo. of	Partic	ipant	s		
Thematic area	Title of Training	No.	Duration	On/Off	Data	S	С	S	Т	Otl	ner		Total	
					Dale	Μ	F	М	F	М	F	Μ	F	Т
Agronomy														
Seed Production	Quality seed production of rice and pulse	2	5	ON	Aug. 05-09, 2019 (Rice), Janu. 13-17, 2020 (Pulse)	10	0	5	0	15	0	30	0	30
Soil Testing	Soil sample collection and soil testing through Soil Testing Kit	2	7	ON	Nov. 18-24, 2019,	8	3	2	0	15	2	25	5	30
Horticulture														
Planting material production	Planting material production and nursery management	1	5	ON	June 24-28, 2019	7	1	4	0	7	1	18	2	20
Protected cultivation vegetable crops	Production technology for off season vegetables	1	5	ON	Sept 23-28, 2019	8	1	1	0	8	2	17	3	20
Plant Protection														
Bee-keeping	Rearing and production technology of Honey-bee	1	5	ON	Dec. 16-20, 2018	8	0	5	0	7	0	20	0	20
Mushroom Production	Mushroom Spawn Production technology	1	5	ON	Janu. 6-10, 2020	3	4	1	1	2	4	6	9	15
Home Sc.														
Household nutritional security	Package and practice for mushroom cultivation and its value addition.	01	08	ON	22/7/19 to29/7/19	0	08	0	04	0	08	0	20	20
Value addition	Value added products Jute and allied fibres	01	07	ON	23/9/19 to 28/9/19	0	12	0	05	0	08	0	25	25
Organic input production	Package and practice for vermicompost production as entrepreneurial activity by SHGs and FCs.	01	05	ON	26/8/19 to 30/8/19	02	08	0	04	03	08	05	20	25
Small Scale Processing	Hands on Training on Preservation of fruits and vegetables	01	08	ON	10/2/2020 to 17/2/2020	0	10	0	07	0	08	0	25	25

				Vanua	Tontativo			Ν	lo. of	Partic	ipant	S		
Thematic area	Title of Training	No.	Duration	On/Off	Data	S	С	S	Т	Ot	her		Total	
					Dale	М	F	М	F	М	F	М	F	Т
Fishery Sc.														
Fish breeding and Nursery pond management	Induced breeding and carp fry production	01	05	On	August 19-23, 2019	10	0	0	0	10	0	20	0	20
Carp Rearing	Fish rearing and management practices	01	05	On	Feb. 24-28, 2020	08	0	0	0	7	0	15	0	15

# ASCI Training for Enterprise Development:

Thrust area/	Title of Training	No.	Duration	Venue	Tentative			No	o. of P	artic	ipant	ts		
Thematic area				On/Off	Date	S	С	9	бт	Ot	her		Tota	ıl
						Μ	F	М	F	м	F	М	F	Т
Entrepreneurship development	ASCI training for Mushroom Growers	01	25 days or 200 hrs.	ON	Nov. 18, 2019 to Dec.17, 2019	04	06	2	4	2	2	8	12	20
Entrepreneurship development	Quality seed production Technology of rice and pulse	01	25 days or 200 hrs.	ON	Janu.06-31 2020	8	2	0	0	8	2	16	4	20

#### (c) Extension functionaries

								Ν	o. of	Parti	cipan	ts		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	C	S	Т	Ot	her		Total	
				Un/Uff	Date	м	F	м	F	Μ	F	м	F	Т
Agronomy														
Agro-metrology	Importance of Agro Advisory	2	2	ON/	Sept 17-19, 2019 &	15	0	5	0	15	E	25	E	10
	Bulletin and farmers registration	2	5	OFF	Sept 24-26, 2019	15		5		15	5	55	5	40
Horticulture														
Protected	Production and Management of													
cultivation	off-season vegetables under													
technology	protected condition. (For Krishi	1	3	ON	July 17-19, 2019	10	0	2	0	8	0	20	0	20
	Prayukti Sahayaks and													
	Technology agents of ATMA)													
Home Sc.														
Women and Child	Training of ICDS supervisors on	01	03	ON	Aug19- 21, 2019	0	06	0	03	0	06	0	15	15

								Ν	o. of	Parti	cipan	ts		
Thematic area	Title of Training	No.	Duration	Venue	Tentative	S	SC .	S	Т	Ot	her		Total	
				Unjun	Date	М	F	м	F	Μ	F	м	F	Т
care	low cost food supplements for children													
Leadership development	Training programme for Self Help Group leaders	02	02	ON	May 29 -30, 2019 and July 15-16, 20 19 Oct.29-30, 2019 and March 03-04,2020 Aug.26-28, 2019		16	0	16	0	08	0	40	40
Group Dynamic among SHGs	Training programme for Self Help Group members	02	02	OFF	Oct.29-30, 2019 and           March 03-04,2020           Aug.26-28, 2019		19	0	18	0	13	0	50	50
Plant Protection					March 03-04,2020									
Integrated Pest Management	Emerging trends and strategies of pest management	1	3	ON	Aug.26-28, 2019		0	2	0	8	0	20	0	20
Integrated Pest Management	Proper diagnose and recommendation of pest problem	1	3	ON	Nov. 20-22, 2019	10	0	0	0	10	0	20	0	20
Capacity building for ICT application	Use of ICT in recent agriculture for information sharing	1	3	ON	Dec.17-19, 2019	10	0	0	0	10	0	20	0	20
Information networking among farmers	Information sharing of recent agriculture technology and market price of different crops through farmers clubs.	1	3	ON	Feb. 25-27, 2020	10	0	0	0	10	0	20	0	20
Fishery Sc.														
Water quality management	Training of FFA or other extension functionaries on Important water quality parameters in aquaculture (* Participants will be updated with important water quality parameters to be maintained in aquaculture ponds)	1	3	ON	Mar. 18-20, 2020	5	0	0	0	5	0	10	0	10

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

#### Farmers and Farm women:

	No. of			No	o. of P	artici	pants						
Thematic Area	Course	(	Other			SC			ST		Gra	ind To	otal
	s	М	F	Т	м	F	Т	м	F	Т	м	F	Т
I. Crop Production													
Weed Management													
Resource Conservation													
Technologies	3	30	0	30	30	0	30	0	0	0	60	0	60
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management	3	30	0	30	30	0	30	0	0	0	60	0	60
Integrated Crop Management	8	70	0	70	80	0	80	10	0	10	160	0	160
Fodder production													
Production of organic inputs													
Others (If any)													
Integrated soil health	1	10	0	10	10	0	10	0	0	0	20	0	20
management													
Nutrient Management	2	20	0	20	20	0	20	0	0	0	40	0	40
TOTAL	17	160	0	160	170	0	170	10	0	10	340	0	340
II. Horticulture												-	
a) Vegetable Crops													
Integrated nutrient													
management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and		-				-		_	-				
high value crops	1	8	2	10	8	2	10	0	0	0	16	4	20
Off-season vegetables	2	10	6	16	17	7	24	9	1	10	36	14	50
Nursery raising	2	10	2	12	8	5	13	19	6	25	37	13	50
Exotic vegetables like Broccoli													
Export potential vegetables	1	9	2	11	8	3	11	3	0	3	20	5	25
Grading and standardization													
Protective cultivation (Green													
Houses, Shade Net etc.)													
Others, if any													
Organic cultivation	1	5	20	25	0	0	0	0	0	0	5	20	25
Production & management	4	25	10	35	27	10	37	21	7	28	73	27	100
technology													
Micro nutrient deficiency in	1	5	3	8	8	6	14	3	0	3	16	9	25
crops													
TOTAL	12	72	45	117	76	33	109	55	14	69	203	92	295
b) Fruits													
Training and Pruning											1		
Layout and Management of													

	No. of			No	o. of P	artici	pants	5					
Thematic Area	Course	(	Other	•		SC			ST		Gra	ind To	otal
	s	м	F	т	м	F	т	м	F	т	м	F	Т
Orchards													
Cultivation of Fruit	1	8	2	10	8	3	11	3	1	4	19	6	25
Management of young	1	0	0	0	0	0	0	18	7	25	18	7	25
plants/orchards		-			_		_						
Rejuvenation of old orchards													
Export potential fruits	1	8	3	11	10	4	14	0	0	0	18	7	25
Micro irrigation systems of		-	-									-	
orchards													
Plant propagation techniques	1	0	0	0	0	0	0	18	7	25	18	7	25
Others, if any				-		-							
Resource conservation													
technology (RCT)	1	0	0	0	0	0	0	20	5	25	20	5	25
Exotic fruit cultivation	1	6	3	9	9	3	12	3	1	4	18	7	25
Organic cultivation	1	5	20	25	0	0	0	0	0	0	5	20	25
TOTAL	- 7	27	28	55	27	10	37	62	21	83	116	59	175
c) Ornamental Plants	-	/			-/	10				00			1/0
Nursery Management													
Management of notted plants													
Export potential of ornamental													
nlants													
Propagation techniques of													
Ornamental Plants													
Others if any													
Production & management													
technology	1	7	0	7	13	0	13	5	0	5	25	0	25
TOTAL	1	7	0	7	13	0	13	5	0	5	25	0	25
d) Plantation crops	-	-	-	-		•							
Production and Management													
technology	1	7	3	10	7	3	10	3	2	5	17	8	25
Processing and value addition													
Others, if any													
τοτοι	1	7	2	10	7	2	10	2	2	5	17	8	25
e) Tuber crons	-	-	5	10	-	5	10	5	2		1/	0	25
Production and Management													
technology													
Processing and value addition													
Others if any													
τοται													
f) Snices													
Production and Management													
technology	1	10	3	13	10	2	12	0	0	0	20	5	25
Processing and value addition													
Others if any													
τοται	1	10	3	13	10	2	12	0	0	0	20	5	25
g) Medicinal and Aromatic	-	10		1.5	10	-					20		
Plants													
Nursery management													
Production and management													
			1		1			1	1		I	1	1

	No. of			No	o. of P	artici	pants	5					
Thematic Area	Course	(	Other			SC			ST		Gra	and To	otal
	s	м	F	т	м	F	т	м	F	Т	м	F	Т
technology													
Post harvest technology and													
value addition													
Others, if any													
TOTAL	22	123	79	202	133	48	181	125	37	162	381	164	545
III. Soil Health and Fertility													
Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient													
Management													
Production and use of organic													
inputs													
Management of Problematic													
soils													
Micro nutrient deficiency in													
crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
τοται													
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)													
V Home Science /Women													
empowerment													
Household food security by													
kitchon gardoning and putrition	2	0	20	20	0	16	16	0	1	1	0	10	10
gardening	2	0	20	20		10	10		4	4		40	40
Design and development of													
low/minimum cost diet													
Designing and development for													
high nutrient efficiency diet	1	0	10	10	0	10	10	0	5	5	0	25	25
Minimization of nutrient loss in													
processing	1	0	0	0	0	10	10	0	10	10	0	20	20
Gonder mainstreaming through													
Storage loss minimization													
tochniques													
techniques		]	1					İ.	1				

	No. of			No	o. of P	artici	pants						
Thematic Area	Course		Other	•		SC			ST		Gra	and To	otal
	s	м	F	Т	м	F	Т	М	F	Т	м	F	Т
Enterprise development													
Value addition	2	0	10	10	0	10	10	0	5	5	0	25	25
Income generation activities for	1		_	_		_	10	2	2		10	15	25
empowerment of rural Women		4	5	9	4	8	12	2	2	4	10	15	25
Location specific drudgery	1	0	10	10	0	10	10	0	-	F	0	25	25
reduction technologies	_ <b>1</b>	0	10	10	0	10	10	0	5	5	0	25	25
Rural Crafts													
Capacity building													
Others, if any													
Women and child care	Λ	0	20	20	0	16	16	0	2	25	0	10	100
	4	0	29	29	0	40	40	0	5	25	0	0	100
Production of organic inputs	3	3	20	23	15	25	40	2	5	7	20	50	70
Cattle health	1	0	6	6	0	10	10	0	4	4	0	20	20
TOTAL	16	7	110	117	19	145	164	4	65	69	30	320	350
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	12	101	5	106	104	11	115	19	0	19	22	16	240
									Ŭ		4		
Integrated Disease	16	106	0	106	189	0	189	25	0	25	32	0	320
Management						-					0		
Bio-control of pests and													
diseases													
Production of bio control													
agents and bio pesticides													
Others, if any													
Seed Treatment	2	15	0	15	15	0	15	10	0	10	40	0	40
Pesticide handling	2	15	0	15	15	0	15	10	0	10	40	0	40
Pesticides Compatibility	2	12	0	12	18	0	18	10	0	10	40	0	40
TOTAL	34	249	5	254	341	11	352	74	0	74	664	16	680
VIII. Fisheries													
Integrated fish farming	2	10	0	10	25	5	30	0	0	0	35	5	40
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture	3	25	0	25	35	0	35	0	0	0	60	0	60

	No. of			N	o. of P	artici	pants						
Thematic Area	Course	e Other				SC			ST		Gra	ind I d	otal
	s	М	F	Т	м	F	Т	М	F	Т	м	F	Т
Fish feed preparation & its													
application to fish pond, like													
nursery, rearing & stocking													
pond													
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													
Preparation of aquaculture	2	10	0	10	30	0	30	0	0	0	40	0	40
pond													
Culture of commercially	1	08	0	08	12	0	12	0	0	0	20	0	20
important indigenous fishes													
Air breathing fish culture	2	10	0	10	30	0	30	0	0	0	40	0	40
Fish disease	2	10	0	10	30	0	30	0	0	0	40	0	40
Monosex culture	2	20	0	20	20	0	20	0	0	0	40	0	40
Judicious use of chemicals	1	0	0	0	15	0	15	5	0	5	20	0	20
Indigenous fish culture	2	15	0	15	20	0	20	5	0	5	40	0	40
TOTAL	17	108	0	108	217	5	222	10	0	10	335	5	340
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												<u> </u>	
Others, if any													
TOTAL					ļ								
X. Capacity Building and Group													
Dynamics												<u> </u>	
Leadership development													
Group dynamics													
Formation and Management of													

	No. of			N	o. of P	artici	pants	5					
Thematic Area	Course		Other			SC			ST		Gra	and fo	tal
	S	М	F	Т	М	F	Т	М	F	Т	М	F	Т
SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL													

#### **Rural youth**

Thematic Area	No. of			N	lo. of	Parti	cipant	S			Gran	d Total	
	Courses		Othe	r		SC			ST				
		м	F	т	м	F	т	м	F	т	Μ	F	Т
Mushroom Production	2	2	12	14	3	12	15	1	5	6	6	29	35
Bee-keeping	1	7	0	7	8	0	8	5	0	5	20	0	20
Integrated farming													
Seed production	2	15	0	15	10	0	10	5	0	5	30	0	30
Soil testing	2	15	2	17	8	3	11	2	0	2	25	5	30
Production of organic inputs	1	3	8	11	2	8	10	0	4	4	5	20	25
Planting material production	1	7	1	8	7	1	8	4	0	4	18	2	20
Vermi-culture													
Sericulture													
Protected cultivation of	1	8	2	10	8	1	9	1	0	1	17	3	20
vegetable crops													
Commercial fruit													
production													
Repair and maintenance													
of farm machinery and implements													
Nursery Management of													
Horticulture crops													
Training and pruning of orchards													
Value addition	1	0	8	8	0	12	12	0	5	5	0	25	25
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													

Thematic Area	No. of			Ν	o. of		Gran	d Total					
	Courses		Othe	er		SC			ST		-		
	-	м	F	т	м	F	т	м	F	т	М	F	Т
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													
Fish harvest and													
processing technology													
Fry and fingerling rearing													
Small scale processing	1	0	8	8	0	10	10	0	7	7	0	25	25
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2	10	4	14	12	8	20	2	4	6	24	16	40
Others if any (ICT													
application in agriculture)													
Fish breeding and Nursery	1	10	0	10	10	0	10	0	0	0	20	0	20
pond management		10		10	10	0	10				20	0	20
Carp Rearing	1	7	0	7	8	0	8	0	0	0	15	0	15
TOTAL	16	84	45	129	76	55	131	20	25	45	180	125	305

### **Extension functionaries:**

Thematic Area	No. of			Ν	lo. of	Partio	cipants	5			Gran	nd Tot	tal
	Courses		Othe	r		SC			ST				
		Μ	F	Т	М	F	Т	Μ	F	Т	М	F	Т
Productivity enhancement in													
field crops													
Integrated Pest Management	2	18	0	18	20	0	20	2	0	2	40	0	40
Integrated Nutrient													
management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation	1	0	0	0	10	0	10	2	0	2	20	0	20
technology	L	0	0	0	10	0	10	Z	0	Z	20	0	20
Formation and Management													
of SHGs													
Group Dynamics and farmers	2	0	12	10	0	10	10	0	10	10	0	EO	FO
organization	2	0	12	12		19	19	0	10	10	0	50	50
Information networking	1	10	0	10	10	0	10	0	0	0	20	0	20
among farmers		10	0	10	10	0	10	0	0	0	20	0	20

Capacity building for ICT application	1	10	0	10	10	0	10	0	0	0	20	0	20
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	1	0	6	6	0	6	6	0	3	3	0	15	15
Low cost and nutrient efficient													
diet designing													
Production and use of organic													
inputs													
Gender mainstreaming													
through SHGs													
Crop intensification													
Others if any													
Agro-Metrological Information	2	15	5	20	15	0	15	5	0	5	35	5	40
Leadership development	2	0	8	8	0	16	16	0	16	16	0	40	40
Water quality management	1	5	0	5	5	0	5	0	0	0	10	0	10
TOTAL	13	66	32	98	70	41	111	9	37	46	145	110	255

#### 4. Frontline demonstration to be conducted\*

# Agronomy

Crop: Green manuring of rice

Thrust Area: Integrated Nutrient Management

Thematic Area: Green manuring

Season: Kharif, 2019

#### Farming Situation: Rainfed, Medium to low land, Sandy clay-loam

		Droposod	Tachnology	Parameter (Data)	Cost of Culti	vation (Rs.)		No.	of far	mers	/ den	nonst	ratio	n		
SI.	Crop & variety	Area (ha)/	rechnology	in relation to				SC		ST		Oth	er	Total		
No.	. / Enterprises Are	Unit (No.)	demonstration	technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	М	F	т
1	Rice,	4.0ha/ 30	Green Manuring	Crop growth	Rice and	Rs.3000/ha	5000/ha									
	Sahabhagi, &	Nos.	(Dhaincha) in Rice	and Yield	Dhaincha-	(Total		20	0	5	0	5	0	30	0	30
	Pratiksha				seed	12000/-)										

Crop: Lathyrus

Thrust Area: Resource Conservation

Thematic Area: Paira Crop

Season: Rabi, 2019

#### Farming Situation: Rainfed, Medium to low land, Sandy clay-loam

				Parameter	Cost of Cultiv	ation (Rs.)		No. o	of farr	ners	/ der	nonstr	ation			
CI	Crop & variaty	Proposed	Technology	(Data) in				SC		ST		Othe	r	Total		
No.	/ Enterprises	Area (ha)/	package for	relation to	Name of	Demo	Local									
		Unit (No.)	demonstration	technology	Inputs			M	F	M	F	M	F	M	F	Т
				demonstrated												
1	Lathyrus/ Nirmal	4.0ha/ 30 Nos.	Lathyrus used as paira crop in rice based cropping system	Crop growth and Yield	Lathyrus and Rhizobium culture	Rs.3500/ha (Total 14000/-)	5000/ha	15	0	5	0	10	0	30	0	30

Crop: Maize and Greengram Thrust Area: Crop Diversification Thematic Area: Intercropping (1:2) Season: Rabi, 2019 Farming Situation: Irrigated, Medium land, Sandy clay-loam

		Propose		Parameter	Cost of Cultiv	vation (Rs.)		No. c	of far	mer	s / de	emons	trati	on		
SI.	Crop &	d Area	Technology	(Data) in				SC		ST	-	Othe	r	Tota	1	
No	variety /	(ha)/	package for	relation to	Name of	Demo	Local		-		-		-		-	-
•	Enterprises	Unit	demonstration	technology	inputs			IVI	F	IVI	F	IVI	F	IVI	F	
		(No.)		demonstrated												
1	Maize/	3.0 ha/	Productivity of Maize	Crop growth	Maize and	Rs.5000/	7000									
	Hybrid	30 Nos.	+ Green gram	and Yield	Green	ha (Total	/ha	15	0	5	0	10	0	30	0	30
	Greengram		intercropping		gram	15000)										

Crop: Rice

Thrust Area: varietal replacement

**Thematic Area**: integrated crop management

Season: Kharif 2019

Farming Situation: Rainfed, Medium to low land, Sandy clay-loam

SI.		Proposed	Technology	Parameter (Data)	Cost of Culti	vation (Rs.)		No.	of fai	rmers	/ dei	nonst	ratio	n		
SI.	Crop & variety /	Area (ha)	nackage for	in relation to	Norma			SC		ST		Oth	er	Tota	1I	
No.	Enterprises	Unit (No.)	demonstration	technology demonstrated	Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Rice / MTU 1010, Sahabhagi, Swarna Sub-1, Pratiksha	40.0 ha	Introduction of new variety	Yield performance, and Economics	Seed and seed treating chemical	1500/ha (Total 60000)	3000/ha	40	5	10	5	15	5	65	15	80

Crop: Rice Thrust Area: Eco-friendly Disease Management Thematic Area: Integrated Disease Management Season: Kharif, 2019

Farming Situation: Rainfed, Medium to low land, clay-loam

SI. N	Crop &	Proposed		Parameter (Data)	Cost of Cultiv	ation (Rs.)		No.	of fai	rmers	; / dei	mons	tratio	n		
SI.	variety /	Area (ha)/	Technology package for	in relation to	Name of			SC		ST		Oth	er	Tot	al	
No.	Enterprise s	Unit (No.)	demonstration	technology demonstrated	Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Rice MTU-7029	4.0 (ha)	Seed & seedling treatment through bio- pesticides with green manuaring in the main field and spray of bio- pesticide in main field	Disease Intensity and Severity Loss assessment yield	Dhaincha Seed, Trichoderma viridii, Pseudomonas	2500/ha (Total (10000/-)	4000/ ha	15	0	5	0	0	0	20	0	20

Crop: Rapeseed and Mustard

Thrust Area: Eco-friendly pest Management

#### Thematic Area: Integrated Pest Management

Season: Rabi, 2019-20

Farming Situation: Irrigated, Medium land, Sandi clay-loam

	Crop 8	Branasad		Parameter (Data)	Cost of Cultivation	on (Rs.)		No.	of fai	mers	/ de	mons	tratio	n		
SI.	variety /	Area (ha)/	Technology package	in relation to				SC		ST		Oth	er	Tota	al	
No.	Enterprises	Unit (No.)	for demonstration	technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Rapeseed	5.0 (ha)	Installation of	Aphid	Mustard Seed	1500/ha										
	and		Yellow Sticky Trap at	population in	& Yellow sticky	Total	2000/ba	10	5	15	0	0	0	25	5	20
	Mustard/		30 DAS @ 50nos./ha	mustard twig	trap	7500/-	5000/11a	10	5	13	0	0	0	25	5	30
	NC 1		(Before flowering)													

#### Crop: Honey bee

Thrust Area: income generation and Entrepreneurship development

Thematic Area: Bee-keeping

Season: Round the year (Rabi, 2019)

Farming Situation: Rainfed, Medium to low land, clay-loam

	Crop &	Proposed		Parameter (Data)	Cost of Cul	tivatio	on (Rs.)		No.	of fa	rmers	; / dei	mons	tratio	n		
SI.	variety /	rioposeu Δroa (ha)/	Technology package fo	in relation to	Namo	,f			SC		ST		Oth	er	Tota	al	
No.	Enterprise s	Unit (No.)	demonstration	technology demonstrated	Inputs	De	emo	Local	м	F	м	F	м	F	м	F	т
1	Bee- keeping	8	Rearing of Honey bee	Production & yield quality	Bee box a bee hive	nd 400 (T (320	00/ha Total 2000/-)	4000 /ha	5	0	0	0	3	0	8	0	8

Crop: Brinjal

Thrust Area: Eco-friendly pest Management

Thematic Area: Integrated Pest Management

#### Season: Kharif to Rabi 2019-20

#### Farming Situation: Irrigated, Upland to medium land, Sandy clay-loam

Proj Crop & d Sl.	Propose		Parameter (Data) in	Cost of Cultivation	on (Rs.)		No. o	of farr	ners	/ de	emon	strati	on			
CI	Crop &	d Area	Tachnology package for	relation to				SC		ST		Oth	er	Tota	I	
No.	variety /	(ha)/	demonstration	technology	Name of	Dem	Local	NA	E	M	E	NA	c	N/	E	т
	Litterprises	(No.)		demonstrated	inputs	0		IVI	F	IVI	F	IVI	Г		Г	
1	Brinjal/	1.0 (ha)	Installation of funnel	Yield Fresh fruit &	Funnel trap,	20000/										
	Local		Trap at 35 DAS @ 80/ha	Damage Fruit; Fruit	Luci lure, neem	- ha	35000	10	0	0	0	10	0	20	0	20
			with 10000 ppm neem	and Shoot damage	based		/ ha	10	0	0	0	10	0	20	0	20
			based pesticide		pesticides											

#### HORTICULTURE:

Crop: Kashmiri Apple Ber

Thrust Area: Crop diversification with Kashmiri Apple Ber for better income generation

Thematic Area: Orchard Management

Season: Kharif 2019

Farming Situation: Irrigated Medium Sandy loam

		Propose		Parameter (Data)	Cost of Culti	vation (Rs.	)	No. o	of farn	ners /	dem	onstra	tion			
sı	Crop &	d Area	Technology	in relation to				SC	I	ST	1	Othe	r	Tota	al	
No	variety /	(ha)/	package for	technology	Name of	Demo	Local		-		-		-		F	-
	Enterprises	(No.)	demonstration	demonstrated	inputs				F		F		F	IVI	F	
1.	Kashmiri Apple Ber	0.133 ha	Crop diversification with a new fruit crop	Yield of crop Benefit : cost ratio	Planting materials	20,000.	-	2	-	2	-	2	-	6	_	6

Crop: Tomato

Thrust Area: More profit by cultivation of late tomato

Thematic Area: Production and management

Season: Pre- Kharif, 2020

Farming Situation: Irrigated Medium Sandy loam

		Proposed		Daramatar (Data)	Cost of C	ultivation	ı (Rs.)	No. o	of farı	mers /	demo	onstra	ition			
cı	Crop &	Area	Technology	in rolation to	Namo			SC		ST		Othe	er	Tota		
No.	variety / Enterprises	(ha)/ Unit (No.)	package for demonstration	technology demonstrated	of Inputs	Demo	Local	М	F	М	F	М	F	м	F	т
1	Tomato var. Himsona	0.8 ha	Late season cultivation for more profit	Yield of crop Benefit : cost ratio	Seed	12000	-	5	-	3	-	4	-	12	-	12

Crop: Coriander Thrust Area: Doubling profit by off-season cultivation of coriander leaf Thematic Area: off-season cultivation Season: Kharif 2019 Farming Situation: Irrigated, Medium, Sandy loam

	Crop 9	Droposod	Tachnology	Parameter (Data) iı	Cost of Cultivation	(Rs.)		No	o. of	farm	ners	/ de	mons	trati	on	
SI.	variaty /	Aroa (ba)/	nackago for	relation to				SC		ST		Oth	ner	Tot	al	
No.	Fnternrises	Unit (No.)	demonstration	technology	Name of Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
	Enterprises	onic (Noi)	acmonstration	demonstrated				141	•	141				141	•	I
1	Coriander	0.133(ha)	Off-season	Leaf yield,	Seed, plastic for	10000	-	2	3	2	-	1	2	5	5	10
	var. Royal		cultivation	Benefit : cost ratio	covering the field											
	Green															

Crop: Capsicum

Thrust Area: more profit with high value crop

**Thematic Area**: production of low volume and high value crop

Season: Rabi 2019

Farming Situation: Irrigated, Medium, Sandy loam

sı	Crop &	Proposed	Technology	Parameter (Data)	Cost of Culti	vation (Rs	s.)	No.	of f	armer	s / de	emoi	nstrat	ion		
No.	varioty /	Aroa (ba)/	package for	in relation to				SC		ST	1	Oth	ner	Tota		
	Enterprises	Unit (No.)	demonstratio n	technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Capsicum Var. Ayesha	0.133 (ha)	high value vegetable in open field cultivation	Yield, fruit size, Benefit : cost ratio	Seed, plant protection chemicals	8000	-	4	-	2	-	4	-	10	-	10

Crop: Late cabbage Thrust Area: Doubling farmers income by late season cabbage cultivation Thematic Area: Late season cultivation Season: Pre-kharif, 2020 Farming Situation: : Irrigated, Medium, Sandy Ioam

CI	Crop 9	Proposed	Technology	Parameter (Data) in	Cost of C	ultivatio	on (Rs.)	No.	of far	mers	/ der	nons	trat	ion		
SI.	variaty /	Area	nackago for	relation to technology	Name			SC		ST		Oth	er	Tota	I	
	Enterprises	(ha)/ Unit (No.)	demonstration	demonstrated	of Inputs	Demo	Local	м	F	м	F	М	F	м	F	т
1	Cabbage	0.333 (ha)	Late season	Yield, sale price, Benefit :												
	var.		cultivation	cost ratio	Seed	6000	-	5	-	3	-	5	-	13	-	13
	Birinchi															

### **Home Science**

Crop: Mushroom

Thrust Area: crop residue management and income generation

**Thematic Area**: household nutritional security and income generation.

Season: round the year

### Farming Situation: N/A

		Propose		Baramotor (Data)	Cost of Culti	ivation (R	ls.)	No.	of far	mers	/ dem	onst	ratio	n		
SI.	Crop &	d Area	Technology	in relation to				SC	1	ST	I	Oth	er	Tot	al	
No	variety / Enterprises	(ha)/ Unit (No.)	package for demonstration	technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	М	F	Μ	F	т
1	Oyster and button mushroom	5 units	Mushroom cultivation for nutritional security and entrepreneurial activity	Additional Availability of mushroom./day /Family 150 gm	Spawn, fungicide	1500/ unit (Total 7500)	-	1	2	0	1	0	1	1	4	5

Crop: Vermi-compost

Thrust Area: crop residue management and income generation

**Thematic Area**: production of organic inputs

Season: round the year

Farming Situation: N/A

	Crop &	Propose	Technology	Parameter	Cost of Cultivation	n (Rs.)		No.	of far	mers	/ der	nons	tratio	n		
SI.	varietv /	d Area	package for	(Data) in relation				SC	1	ST	1	Oth	er	Tot	al	
No.	Enterpris es	(ha)/ Unit (No.)	demonstratio n	to technology demonstrated	Name of Inputs	Demo	Local	М	F	м	F	м	F	М	F	т
1	Vermi- compost	5 units	Vermi-compost Production technology	Average Production per SHG 5q per month	Low cost concrete chamber with thatched roof, Vermiworms	8000 (Total 40000)	-	0	2	0	1	0	3	0	5	5

Crop: Azolla

Thrust Area: Round the year nutritious fodder production

Thematic Area: Animal nutrition

Season: round the year

Farming Situation: domestic animals and bird based farming system

ci	Crop &	Proposod	Technology	Parameter (Data)	Cost of Cultiva	ition (Rs.	)	No.	of far	mers	s / de	mon	stra	tion		
JI.	crop &	Area (ha)/	neckago for	in relation to				SC		ST		Oth	er	Tota	al	
	Enterprises	Unit (No.)	demonstration	technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	Μ	F	т
1	20 nos	Backyard Azolla production for cattle feed	Reduction in feed cost and milk production enhancement.	Milk production Economics	Azolla pinnata seed, silpauline sheet and fertilizer	300/- unit (Total 6000)	0	10	0	4	0	6	0	20	20	20 nos

Crop: Tubular Maize Shellar Thrust Area: Drudgery reduction Thematic Area: Location specific drudgery reduction tool Season: pre- Kharif Farming Situation: Rice-potato-Maize based farming system

	Crop 8	Propose		Parameter	Cost of Cultiv	ation (Re	5.)	No. o	f farr	ners	/ der	mons	tratio	on		
si	variety /	d Area	Technology nackage	(Data) in				SC		ST		Oth	er	Tota	I	
No.	Enterpris es	(ha)/ Unit (No.)	for demonstration	relation to technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Tubular maize shellar	50 nos	Tubular maize shellar for drudgery reduction and ecomically viable option for small farmer	Shelling of maize per hour, time and labour savings	Tubular hand maize shellar	100/no (Total 5000)	-	10	15	2	10	5	8	17	33	50

Crop: Turmeric

Thrust Area: drudgery reduction of farm women

Thematic Area: drudgery reduction and quality turmeric processing

Season: Rabi season

Farming Situation: turmeric production based farming system

	Crop 8	Propose		Paramotor (Data)	Cost of Cult	ivation (R	ls.)	No.	of farr	ners /	dem	onsti	ratio	n		
SI	variety /	d Area	Technology	in relation to				SC		ST		Oth	er	Tot	al	
No.	Enterpris es	(ha)/ Unit (No.)	package for demonstration	technology demonstrated	Name of Inputs	Demo	Local	м	F	М	F	Μ	F	Μ	F	т
1	Turmeric processing	02 nos (for SHGs)	Demonstration of turmeric boiling unit (TNAU model)	Time and energy saving and quality of processed turmeric.	Turmeric parboiling unit	18000/- (Total 36000)	-	0	10	0	4	0	6	0	20	20

#### Crop: Nutritional homemade weaning food

Thrust Area: Eradication of malnutrition at grassroots level

Thematic Area: mother and child care

Season: round the year

Farming Situation: farm family

		Droposo		Parameter	Cost of Cult	ivation (Rs	.)	No. of	farm	ers / c	lemor	nstrati	on			
SI. No.	Crop & variety / Enterprise s	d Area (ha)/ Unit (No.)	Technology package for demonstratio n	(Data) in relation to technology demonstrate d	Name of Inputs	Demo	Local	SC M	F	ST M	F	Othe M	er F	M	F	т
1	weaning foods for malnourishe d children	20 nos	KVK developed recipe of Ready to Eat nutritional weaning foods	Body wt. and overall health improvement of children	Nutritional weaning foods	28800	-	3	3	3	6	2	3	8	12	20

**Crop**: Round the year Nutritional Garden

Thrust Area: Nutri-sensitive approaches towards creation of nutri-smart villages.

Thematic Area: Household nutritional security

Season: round the year

Farming Situation: farm family

		Proposed		Parameter	Cost of Cultiv	vation (Rs.)		No. of	farme	rs / de	monst	ration				
sı	Crop &	Area	Technology	(Data) in				SC		ST		Othe	r	Tot	al	
No	variety /	(ha)/Unit	package for	relation to	Name of	Demo	Local									
	Enterprises	$(N_{O})$	demonstration	technology	Inputs	Demo	Local	M	F	Μ	F	Μ	F	Μ	F	Т
		(110.)		demonstrated												
1	Nutritional Garden (NARI Project)	20 nos	Green leafy vegetable production in Sequential cropping system	Additional GLVs and fruits in dietary pattern and overall health improvement of family	Seeds,plant ing material and saplings	30,000	10000	3	3	3	6	2	3	8	12	20

# Fishery

Crop: Fish (IMC)

Thrust Area: Enhancement of fish production utilizing available resources

Thematic Area: Grow-out culture of carps

Season: Round the year

Farming Situation: Rainfed, Flatland. Sandy clay/Sandy soil

	Crop &	Propose	Technology	Parameter	Cost of Cultivation	า (Rs.)		No.	of farı	ners	/ den	nonst	ratio	n		
cl	variaty /	d Area	nackage for	(Data) in				SC		ST		Oth	er	Tot	al	
No.	Enterpris es	(ha)/ Unit (No.)	demonstratio n	relation to technology demonstrated	Name of Inputs	Demo	Local	м	F	м	F	м	F	м	F	т
1	Fish (IMC)	0.45 ha/6 units	Composite fish culture	Fish growth rate, yield	Fish fingerlings, lime	33,500 /-	28,750 /-	0	0	1	0	5	0	6	0	6

Crop: Fish (IMC), Ducks and Vegetables

**Thrust Area**: Higher farm income through integrated fish farming

Thematic Area: integrated fish farming

Season: Round the year

Farming Situation: Rainfed, Flatland. Sandy clay/Sandy soil

				Parameter	Cost of Cultivati	on (Rs.)		No.	of fa	rmer	s / de	emons	trati	on		
si	Crop &	Proposed	Technology	(Data) in				SC		ST		Othe	er	Tot	tal	-
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	Fish (IMC), Ducks and Vegetables	0.45 ha/6 units	Integrated fish farming	Fish yield, egg production	Fish fingerlings, ducklings	32,750 /-	27,500 /-	2	0	0	0	4	0	6	0	6

# Extension and Training activities under FLD:

# Agronomy

					Venue			Ν	o. of P	articip	ants			
Activity	Title of Activity	No.	Clientele	Duration	On/Off	9	SC	S	т	Oth	er		Tota	I
						М	F	М	F	М	F	М	F	Т
Training	Judicial Nitrogen Management of rice using LCC	2	PF	2	ON/OFF	20	0	0	0	20	0	40	0	40
Field day	Judicial Nitrogen Management of rice using LCC	1	PF & EF	1	On/ OFF	30	0	0	0	30	0	60	0	60
Training	Improved package & practices of Maize	2	DE	2		20	0	0	0	20	0	20	0	40
	cultivation.	2	r i	2		20	0	0	0	20	0	20	0	40
Field day	Improved package & practices of Maize	1	DE	1		30	0	0	0	30	0	60	0	60
	cultivation	_ <b>_</b>	r i	T		50	0	0	0	50	0	00	0	00
	Total			6		100	0	0	0	100	0	180	0	20
	iotai	5		0		100	J	0	J	100	J	100	0	0

### Plant Protection

					Venue			Ν	lo. of P	articip	ants			
Activity	Title of Activity	No.	Clientele	Duration	On/Off	9	SC	S	т	Ot	ner	To	tal	
					01/01	М	F	М	F	М	F	М	F	Т
Training	Use of bio pesticide and bio-fertilizer for disease	2	DE	2		15	0	E	0	15	E	25	F	40
Training	management in rice	2	Fr	2		13	0	5		13	J	55		40
Training	Techniques of Integrated Pest Management of	2	DE	2		15	0	E	0	15	E	25	E	40
Training	kharif rice.	2		2		15	0	5		15	5	55	5	40
Field Day	Use of bio pesticide and bio-fertilizer for disease	1		1		20	Ŀ	г	г	15	г	го	15	C۲.
Field Day	management in rice	L T	Pracr			30	Э	5	5	15	Э	50	15	05
Training	IPM of Brinjal fruit and shoot borer (through	2	рг	2		10	Ŀ	0	0	12	0	25	-	40
Training	Pheromone trap & Neem based pesticides)	2		2	UFF/UN	12	Э	ŏ		12	0	35	5	40
Field Day	IPM of Brinjal fruit and shoot borer (through	2		1		20	10	г	0	20	г	45	15	60
Field Day	Pheromone trap & Neem based pesticides)	2	Pracr		UFF/UN	20	10	5		20	Э	45	15	60
Training	Management of aphid in mustard.	2	PF	2	OFF/ON	14	6	6	0	14	0	34	6	40
Field Day	Management of aphid in mustard through Yellow	2		1		25	10	10	-	20	10	75	25	100
Field Day	sticky trap	2	Pracr	1	UFF/ UN	35	10	10	5	30	10	/5	25	100

Training	Rearing and production technology of Honey-bee	1	RY	5	ON	8	0	5	0	7	0	20	0	20
	Total	14		16		152	36	49	10	128	30	329	76	405

# Horticulture

Activity	Title of Activity	No.	Clientele	Duration	Venue				No. of	Particip	ants			
					On/Off	SC	SC		Г	Oth	ner	Total		
						М	F	М	F	М	F	М	F	Т
Training	More profit with high value crops	01	PF,	3 days	ON	8	2	0	0	8	2	16	4	20
Field day	Capsicum Cultivation	01	PF,EF, RY	1 day	OFF	10	5	2	0	12	4	24	9	33
Training	Exotic fruit cultivation technique	1	PF	1	ON	4	-	2	-	4	-	10	-	10
Field day	Apple ber cultivation	01	PF, EF, RY	1 day	OFF	8	2	2	1	10	4	20	7	27
Training	Scientific management practices of	01	PF	3 days	OFF	8	4	5	0	5	3	18	7	25
	off-season vegetables													
Field day	Off-season coriander cultivation	01	PF, EF, RY	1 day	OFF	8	4	5	0	5	3	18	7	25
Training	Improved cultivation technique of late	01	PF	3 day	OFF	9	3	4	1	5	3	18	7	25
	season vegetables													
Field day	Late tomato	01	PF,EF	1 day	OFF	6	2	2	1	8	4	16	7	23
Field day	Late cabbage	01	PF, EF	1 day	OFF	6	2	2	1	8	4	16	7	23
	Total	9				67	24	24	4	65	27	156	55	211

# Home Science

					Venue				No. o	f Part	icipan	ts		
Activity	ty Title of Activity No. Clientele Duratio		Duration	Venue	On/Off SC			ST		Other		tal		
					UNJUN	м	F	м	F	м	F	м	F	Т
Training	Improved package of practices for Mushroom cultivation	02	P F & RY	3 - 7 days	ON	4	16	2	06	4	13	10	35	45
Training	Preparation of low cost weaning foods	03	P F & EF	3 days	ON/ OFF	0	25	0	13	0	17	0	55	55
Training	Improved practices of azolla cultivation for animal feed.	01	PF	3 days	OFF	0	10	0	04	0	6	0	20	20
Training	Vermicompost production technology	03	PF & RY	3- 5 days	ON	12	28	2	9	6	18	20	55	75
Training (NARI Project)	Planning, establishing and management of nutritional garden	01	PF & RY	3 days	OFF	0	08	0	02	0	10	0	20	20
Field day	On mushroom cultivation	02	PF, RY and EF	One day	OFF	8	15	5	10	1	15	23	40	63

					Manua				No. o	f Part	nts			
Activity	ivity Title of Activity No. Clientele Duration		venue	5	C 51		ST C		ther	То	tal			
					Un/Uff	М	F	м	F	м	F	М	F	Т
										0				
Field day	Vermicompost production	02	PF, RY and EF	One day	OFF	5	10	5	10	1 0	15	20	35	55
Field day	Backyard Azolla Cultivation	01	PF, RY and EF	One day	OFF	8	15	5	10	1 0	15	23	40	63
Field day	Turmeric parboiling Unit	01	PF, RY and EF	One day	OFF	5	10	5	10	1 0	15	20	35	55
Field day	Nutritional weaning food	01	PF, RY and EF	One day	OFF	5	20	3	15	5	10	13	45	58
Field day (NARI Project)	Nutritional Kitchen Garden	01	PF, RY and EF	One day	OFF	3	20	2	12	3	10	8	42	50
Workshop (NARI Project)		01	PF, RY and EF	One day	ON	3	20	2	12	3	10	8	42	50
Total		19				53	197	31	113	61	154	145	464	609

# **Fishery Science**

					Venue		Venue No. of Participan						ipants		
Activity	Title of Activity	No.	Clientele	Duration	On/Off	Op/Off SC		C ST		Other		er To			
					Unyon	М	F	М	F	М	F	Μ	F	Т	
Training	Package and practices of composite fish culture.	3	PF	3	ON/OFF	35	0	0	0	25	0	60	0	60	
Training	Integrated Fish-cum-Duck-cum-Vegetables cultivation for optimum utilization of available resources and enhancing return per unit area.	2	PF	3	ON/OFF	25	5	0	0	10	0	35	5	40	
Field Day	Package and practices of composite fish culture.	1	PF	1	OFF	15	0	5	0	12	0	32	0	32	
Field Day	Integrated Fish-cum-Duck-cum-Vegetables cultivation	1	PF	1	OFF	17	0	4	0	7	0	28	0	28	
Total		7				92	5	9	0	54	0	155	5	160	

\* 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 Cron / Variety / Type Period Area Details of Production					
Name of the clopy valiety rype rendu Area Details of Foundation	Name of the Crop /	Variety / Type	Period	Area	Details of Production

Enterprise		From April 2019 to March 2020	(ha.)	Type of Produce	Expected Production (q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	MTU-1010, Sahabahi, Pratiksha, Dhiren, Puspa, Rani Dhan, MTU-1001, SS-1, Chirang Sub-1	Kharif	4.5	Seed	120	150000.00	480000.00	330000.00
Dhanicha	Local	Kharif	0.5	Seed	4	10000.00	40000.00	30000.00
Blackgram	IPU-02-43, PU-31	Kharif	0.5	Seed	4	10000.00	60000.00	50000.00
Lentil	Maîtree, KLS-9-3, KL-320-	Rabi	0.5	Seed	2.5	10000.00	37500.00	27500.00
Mustard	NYCYS-05-02, YSH-0401, NC-1	Rabi	1.0	Seed	7.5	20000.00	112500.00	92500.00
Green Gram	IPM-02-03, IPM-2-14, Virat	Summer	1.0	Seed	7.0	25000.00	175000.00	150000.00
Arecanut	Mohitnagar	Round the year	0.25	Seedling	4000 nos	30,000.00	60,000.00	30,000.00
Black Pepper	Karimunda	Round the year	0.01	Sapling	1000 nos	4000.00	15000.00	11,000.00
Bay Leaves	Local	June-August		Saplings	2000 nos	20000.00	60000.00	40,000.00
Lime	Pati, Elaichi, Gandharaj	June-August		Saplings	300 nos	3000.00	7500.00	4,500.00
Guava	Baruipur, L-49, Lal, Khanja, Allahabad Safed, Kafri, Bhagalpur	June-August		Saplings	1000 nos	10000.00	30000.00	20,000.00
Litchi	Shahi, Elaichi, Purbi, Bedana	June-August		Saplings	500 nos	5000.00	15000.00	10000.00
Mango	Amrapali, Alphanso, Mallika, Chatterjee, Fajli, Chousa etc.	June-August		Saplings	100 nos	1500.00	3000.00	1500.00
Рарауа	RC-217, Swapna, Red Lady	Round the year		Seedling	500 nos	7500.00	15000.00	7500.00
Dragon fruit	Red fleshed	Round the year		Saplings	400 nos	5200.00	14000.00	8800.00
Cabbage	Birinchi	December - January		Seedlings	10000 nos	10000.00	15000.00	5000.00
Tomato	Himsona	December - January		Seedlings	15000 nos	10000.00	15000.00	5000.00
Capsicum	Ayesha	October		Seedlings	5000 nos	8000.00	15000.00	7000.00
Banana	G-9	Round the year		Sucker	200 nos	1000.00	2000.00	1000.00
Foliage plants	Different type	Round the year		Cuttings, seedlings	2000 nos	5000.00	7500.00	2500.00
Flower plants	Different type	Round the year		Cuttings, seedlings, suckers	2000 nos	7000.00	12000.00	5000.00
Fodder crop	Hybrid Napier	Round the year						

# b) Village Seed Production Programme:

Crop /		From to	(ha.)	farmers	Type of	Expected	Cost of inputs	Expected Gross	Expected
Enterprise					Produce	Production(q)	(Rs.)	income (Rs.)	Net Income (Rs.)
Blackgram	IPU-02-43, PU-31	Kharif	25	50	Seed	200	100000.00	1500000.00	500000.00
Lentil	Maîtree, KLS-9-3, KL-320-	Rabi	20	50	Seed	170	900000.00	1275000.00	375000.00
Mustard	NYCYS-05-02, YSH- 0401, NC-1	Rabi	5	15	Seed	10	35000.00	60000.00	25000.00
Green Gram	IPM-02-03, IPM-2- 14, Virat	Summer	25	50	Seed	250	1300000.00	1875000.00	575000.00

6. Extension Activities

		No. of		F	armers		Exte	ension Offi	cials		Total	
SI. No.	Activities/ Sub-activities	activities proposed	м	F	т	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	30	775	650	1425	72	48	12	60	823	662	1485
2.	KisanMela	1	1560	925	2485	65	8	4	12	1568	929	2497
3.	KisanGhosthi											
4.	Exhibition	2	1250	700	1950	68	6	4	10	1256	704	1960
5.	Film Show	36	220	160	380	66	-	-	-	220	160	380
6.	Method Demonstrations	40	475	400	875	72	12	8	20	487	408	895
7.	Farmers Seminar	4	175	145	320	70	7	4	11	182	149	331
8.	Workshop	2	60	25	85	62	4	2	6	64	27	91
9.	Group meetings	2	35	25	60	60	-	-	-	35	25	60
10.	Lectures delivered as resource persons	12	320	180	500	65	-	-	-	320	180	500
11.	Advisory Services	115	350	75	425	70	-	-	-	350	75	425
12.	Scientific visit to farmers field	200	1320	530	1850	68	-	-	-	1320	530	1850
13.	Farmers visit to KVK	1780	1120	660	1780	70	-	-	-	1120	660	1780
14.	Diagnostic visits	30	425	225	650	68	-	-	-	425	225	650
15.	Exposure visits	20	525	500	1025	66	25	10	35	550	510	1060
16.	Ex-trainees Sammelan	2	55	25	80	65	-	-	-	55	25	80
17.	Soil health Camp	2	100	25	125	69	2	-	2	102	25	127
18.	Animal Health Camp	1	45	30	75	72	2	-	2	47	-	77

		No. of		F	armers		Extension Officials				Total	
SI. No.	Activities/ Sub-activities	activities proposed	м	F	т	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
19.	Agri mobile clinic	6	135	45	180	68	6	-	6	141	45	186
20.	Soil test campaigns	1	55	20	75	66	2	-	2	57	20	77
21.	Farm Science Club Conveners meet	1	15	5	20	68	1	-	1	16	5	21
22.	Self Help Group Conveners meetings	2	-	80	80	65	-	4	4	-	84	84
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	12	480	340	820	68	8	4	12	488	344	832
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	2	50	100	150	70	-	-	-	50	100	150
27.	Mahila Kisan Diwas	1	-	60	60	65	-	-	-	-	60	60
28.	Any Other (Specify)											
Total		2304	9545	5930	15475	1618	131	52	183	9676	5952	15658

### 7. Revolving Fund (Rs. in lakh)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
52.80	8.60	13.40

# 8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
Short term research	ΑΤΜΑ	5.00

#### 9. On-farm trials to be conducted\*

### OFT-1: (NEW)

i	Season:		Rabi 2019-20
ii	Title of the OF	T:	Assessment for potentiality of new cultivars of Buck Wheat ( <i>Fagopyrum esculentum</i> Moench)
iii	Thematic Area:		Introduction of new cultivar
iv	Problem diagr	nosed:	Low yield of Buckwheat due to local cultivar
v	Important Cau	use:	Selection high yielding variety
vi	Production sy	stem:	Rice based cropping systems
vii	Micro farming	system:	Medium to high land
viii	Technology fo	or Testing:	Varietal assessment
ix	Existing Practice:		Use of local varieties
x	Hypothesis:		Suitable technology for improving yield
xi	Objective(s):		To increase production and profitability of buckwheat cultivation.
	Treatments:	Farmers Practice (FP):	Local variety
xii		Technology option-I (TO-I):	VL-7
		Technology option-II (TO-II):	Himpriya
		Technology option-II (TO-III):	PRB-1
xiii	Critical Inputs	:	Fertilizer, insecticide
xiv	Unit Size:		0.2 ha
xv	No of Replications:		07
xvi	Unit Cost:		Rs. 3000/-
xvii	Total Cost:		Rs.21,000/-
xviii	Monitoring In	dicator:	Growth, Yield parameters and economics
xix	Source of Tech Other, please	hnology (ICAR/ AICRP/ SAU/ specify):	UBKV

# OFT-2: (NEW)

i	Season:		Kharif 2019-20
ii	Title of the OFT:		Assessment of yield and quality of Tulaipanji rice
iii	Thematic Area:		Introduction of new cultivar
iv	Problem diagno	sed:	Low yield of Aromatic rice
v	Important Cause	2:	Increase yield and maintained aroma
vi	Production syste	em:	Rice based cropping systems
vii	Micro farming s	ystem:	Low-Medium land situation.
viii	Technology for	Testing:	Use of organic fertilizers
ix	Existing Practice:		Use of inorganic fertilizers
x	Hypothesis:		Use of organic fertilizers increase yield and quality of tulaipanji rice.
xi	Objective(s):		To increase production, profitability and quality of tulaipanji rice.
	Treatmonts	Farmers Practice (FP):	Use of inorganic fertilizer
XII	freatments.	Technology option-I (TO-I):	FYM @ 15 t/ha.
		Technology option-II (TO-II):	Vermicompost @ 5 t/ha.
		Technology option-II (TO-III):	FYM @ 7.5 t/ha. + Vermicompost @ 2.5 t/ha.
xiii	Critical Inputs:		FYM, Vermicompost, seed
xiv	Unit Size:		0.2 ha
xv	No of Replicatio	ns:	07
xvi	Unit Cost:		Rs. 6000/-
xvii	Total Cost:		Rs.42,000/-
xviii	Monitoring Indi	cator:	Growth, yield, quality parameters and economics
xix	Source of Techn Other, please sp	ology (ICAR/ AICRP/ SAU/ becify):	UBKV

# OFT-3: (NEW)

i	Season:		Rabi 2019-20
ii	Title of the OFT:		Effect of Nitrogen on Growth and yield of potato
iii	Thematic Area:		Suitable dose of Nitrogen
iv	Problem diagno	sed:	Low yield of potato due to imbalance of fertilizer dose
v	Important Cause	e:	Selection of suitable fertilizer dose for increasing potato yield.
vi	Production system	em:	Rice based cropping systems
vii	Micro farming s	ystem:	Medium land situation.
viii	Technology for	Testing:	Proper management, Earthing up, dehaulming
ix	Existing Practice:		Proper time of sowing
х	Hypothesis:		Suitable technology for improving yield
xi	Objective(s):		To study about the growth and yield of potato
	Objective(s).		To study about economics of potato
vii	Trootmonte	Farmers Practice (FP):	NPK-150 to 180 :100:100
	freatments.	Technology option-I (TO-I):	NPK-130:100:125
		Technology option-II (TO-II):	NPK-145:100:125
		Technology option-II (TO-III):	NPK-160:100:125
xiii	Critical Inputs:		FYM, Vermicompost, seed
xiv	Unit Size:		0.2 ha
xv	No of Replication	ons:	07
xvi	Unit Cost:		Rs. 1000/-
xvii	Total Cost:		Rs.70,000/-
xviii	Monitoring Indi	cator:	Growth parameters, yield, economics
xix	Source of Techr Other, please sp	nology (ICAR/ AICRP/ SAU/ pecify):	UBKV

OFT-4:	(Repeat	2 <sup>nd</sup> year)
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i.	Season:		Summer 2019-20
ii.	Title of the OFT:		Assessment of Integrated Disease Management of neck blast in boro rice
iii.	Thematic Area:		Integrated Disease Management
iv.	Problem diag	nosed:	Neck blast causes serious damage in rice during panicle initiation from last few years
۷.	Important Ca	use	Damage of panicle, yield reduces due to neck blast infestation in rice
vi.	Production sy	vstem:	Rice based cropping systems
vii.	Micro farming	g system	Low land for boro rice
viii.	Technology fo	or Testing:	Proper management of neck blast and search the yield loss due to infestation of neck blast
ix.	Existing Pract	ice:	disease management practice through traditional chemical fungicides
х.	Hypothesis:		Suitable IDM technology of neck blast disease in rice may reduce the loss and increase the productivity.
xi.	Objective(s):		To develop (standardize) the suitable IDM technology for Management of Neck blast in rice
xii.		Farmers' practice	Minimum routine practice 1 : Seed treatment with <i>Trichoderma viridi</i> @ 4 gm/kg of seed + Spray Tricyclozole @ 0.5 gm /L before panicle initiation.
	Treatments:	Improve practice-I	Minimum routine practice 2 : Seed treatment with <i>Trichoderma viridi</i> @ 4 gm/kg of seed + spray isoprotheolane @ 1.5 ml/L before panicle initiatio
		Improve practice-II	Seed treatment with <i>Trichoderma viridi</i> @ 4 gm/ kg of seed + Seedling treatment with isoprotheolane @ 1.5 ml/L before 7 days of transplanting + spray Tricyclozole @ 0.5 gm/ L during active tillering stage + Spray isoprotheolane @ 1.5 ml/L before panicle initiation.
xiii.	Critical Inputs	5:	Trichoderma viridi, isoprotheolane and Tricyclozole
xiv.	Unit Size:		0.2 ha
xv.	No of Replications:		7
xvi.	Unit Cost:		Rs. 3000/-
xvii.	Total Cost:		Rs.21,000/-
xviii	Monitoring Indicator:		Disease intensity and severity index, Loss assessment, Yield performance & Comparative economics
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):		OUAT

# OFT-5: (Repeat 2<sup>nd</sup> year)

i.	Season:		Rabi 2019-20
ii.	Title of the OFT:		Integrated disease management of Maize leaf blight
iii.	Thematic Area:		Integrated Disease management
iv.	Problem diag	nosed:	Different leaf blight disease observed in the field
v.	Important Cause		Maize is one of the major areas occupied after rice in the district. Leaf blight disease of maize infested by numbers of pathogen and this problem is one of the major bottle necks for sustainable maize cultivation in the district.
vi.	Production sy	/stem:	Maize based cropping systems
vii.	Micro farmin	g system	Maize based cropping systems
viii.	Technology f	or Testing:	Proper management of Maize leaf blight
ix.	Existing Pract	tice:	One spray with Mencozeb/ Carbendazim
x.	Hypothesis:		Suitable IDM technology of Maize leaf blight may reduce the crop loss and increase the productivity.
xi.	Objective(s):		To develop (standardize) the suitable IDM technology for maize leaf blight
		Farmers' practice	Spraying of Mencozeb 75%/ Carbedazim 50% one time
	Treatments:	Improve Practice –I	Minimum routine practice: Seed treatment with <i>Trichoderma viridi</i> @ 4 gm/ Kg seed + one spray with Tebuconazole 250 EC 1.0 /L
xii.		Improve Practice –II	Minimum routine practice: Seed treatment with Carbendazim @ 2 gm/ Kg seed + one spray with Tebuconazole 0.5 ml/L + One sprays with Propiconazole 25% EC 1.0ml/L
		Improve Practice –III	Minimum routine practice : Seed treatment with <i>Trichoderma</i> @ 4 gm/ Kg seed + Two sprays with Propiconazole 25% EC 1.0ml/L + one spray with Mencozeb 75% @ 2.5gm/L at 10 days interval.
xiii.	Critical Input	S:	Fungicides (Mencozeb, Carbendazim, <i>Trichoderma</i> , Propiconazole and Tebuconazole)
xiv.	Unit Size:		0.2 ha.
xv.	No of Replica	tions:	7
xvi.	Unit Cost:		Rs. 3000/-
xvii.	Total Cost:		Rs.21,000/-
xviii	ii Monitoring Indicator:		Plant mortality, Loss assessment, Yield performance & Comparative economics
xix	Source of T AICRP/ SAU specify):	Fechnology (ICAR/ I/ Other, please	UBKV

OFT- 6:	(Repeat 2 <sup>nd</sup> year)
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i	Season:		Rainy season, 2019
ii	Title of the O	FT:	Assessment of different raising techniques of healthy cauliflower seedling during rainy season
iii	Thematic Area:		Nursery management
iv	Problem diag	nosed:	High mortality percentage of seedling in nursery
v	Important Ca	use:	High soil moisture and humidity, soil borne diseases
vi	Production sy	vstem:	Vegetable based
vii	Micro farmin	g system:	vegetable based
viii	Technology fo	or Testing:	Raising of healthy seedling
ix	Existing Pract	ice:	No soil treatment and normal seedbed
x	Hypothesis:		Decrease the mortality percentage in nursery bed
xi	Objective(s):		To standardize the healthy nursery bed during rainy season
xii	Treatments:	Farmers Practice (FP):	No soil treatment and normal raised seedbed practice
		Technology option-I (TO-I):	Treated soil through trichoderma @ 200 g/sq.m. and pseudomonas @ 200 g/sq.m with normal raised seedbed practice
		Technology option-II (TO-II):	Treated soil through trichoderma @ 200 g/sq.m. and pseudomonas @ 200 g/sq.m over plastic mulch covered raised seedbed
		Technology option-II (TO-III):	Treated soil through trichoderma @ 200 g/sq.m. and pseudomonas @ 200 g/sq.m in portray practice
xiii	Critical Inputs	5:	Plastic Mulch, trichoderma and pseudomonas, portray
xiv	Unit Size:		50 sq.m.
xv	No of Replica	tions:	7
xvi	Unit Cost:		2500.00
xvii	Total Cost:		17500.00
xviii	Monitoring Indicator:		Mortality percentage seedling, seedling length, no.of leaves/plant, disease index.
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):		UBKV, Coochbehar

i	Season:		Rabi, 2019-20
ii	Title of the O	FT:	Varietal assessment of tomato towards performance aspect in Uttar Dinajpur district
iii	Thematic Area:		Crop management
iv	Problem diag	nosed:	Less yield, luster , freshness and keeping quality of harvested tomato
v	Important Ca	use:	Lack of knowledge for proper Varietal choice for higher production of good quality produce
vi	Production sy	vstem:	Vegetable based
vii	Micro farmin	g system:	vegetable based
viii	Technology fo	or Testing:	Varietal assessment
ix	Existing Pract	ice:	Use different type of varieties available in the market
x	Hypothesis:		Increase the yield and quality of the produce
xi	Objective(s):		To standardize the best variety of tomato in Uttar Dinajpur district
xii		Farmers Practice (FP):	Naamdhari-501 (Naamdhari)/ . Rocky (Syngenta)
	Treatments:	Technology option-I (TO-I):	Use of tomato var. Avinash-2
		Technology option-II (TO-II):	Use of tomato var. Arka Rakshak (IIHR, Bengaluru)
		Technology option-II (TO-III):	Use of tomato var. Arka Samrat (IIHR, Bengaluru)
xiii	Critical Inputs	5:	Tomato seeds, bio-pesticides, micro-nutrients
xiv	Unit Size:		0.04 ha
xv	No of Replications:		7
xvi	Unit Cost:		2000.00
xvii	Total Cost:		14000.00
xviii	Monitoring Indicator:		Fruit/plant, fruit weight, yield/plant, keeping quality in open condition
xix	Source of Tec SAU/ Other, p	hnology (ICAR/ AICRP/ blease specify):	ICAR-IIHR, Bengaluru

# OFT- 7: (Repeat 2<sup>nd</sup> year)

# OFT-8: (New)

i	Season:		Round the year
ii	Title of the O	FT:	Assessment of pineapple intercropping for more profitability
iii	Thematic Area:		Intercropping for better space utilization
iv	Problem diag	nosed:	Long duration Mono crop, less income per unit area
v	Important Ca	use:	Conventional cultivation practices, Lack of knowledge for intercropping for higher income
vi	Production sy	vstem:	Pineapple based
vii	Micro farmin	g system:	Pineapple based
viii	Technology fo	or Testing:	Assessment of intercrops in pineapple field
ix	Existing Pract	ice:	Pineapple cultivated as monocrop
x	Hypothesis:		Increase the income per unit area
xi	Objective(s):		To standardize the best intercrop in pineapple field for better return
		Farmers Practice (FP):	Pineapple as sole crop
xii	Treatments:	Technology option-I (TO-I):	Pineapple + banana (var.G-9)
		Technology option-II (TO-II):	Pineapple + dragon fruit (var. pink fleshed)
		Technology option-II (TO-III):	Pineapple + papaya (var. RC-217 / Swapna/ Red Lady)
xiii	Critical Inputs	5:	Banana sucker, dragon plants, papaya seedlings
xiv	Unit Size:		0.053 ha
xv	No of Replica	tions:	7
xvi	Unit Cost:		5700.00
xvii	Total Cost:		39,900.00
xviii	Monitoring Indicator:		Yield of pineapple, banana, dragon fruit, papaya; growth parameter of all the crops, benefit ; cost ratio etc.
xix	Source of Tec SAU/	hnology (ICAR/ AICRP/	
	Other, please	specify):	

#### Home Science OFT-9: (Repeat 2<sup>nd</sup> year)

i.	Season		Round the year (Sept. to Dec.)
ii.	Title of the OFT		Assessment of KVK developed nutritional food supplements fortified with vitamin D on children health.
iii.	Thematic area	:	Mother and child care
iv.	Problem area :		Bone diseases such as rickets, osteomalacia have been widely prevalent in children.
٧.	Imporatant cau	ise :	Vit. D rich dietary sources are limited and unaffordable to most of resource poor- farm families.
vi.	Production syst	tem :	Malnourished children
vii.	Micro-farming	situation :	Children (2-6 years)
viii.	Technology for	testing :	Vit D fortified nutritional food and supplements (in consultation with BMOH, Chopra)
ix.	Existing practic	e:	No awareness about any vit D enriched supplement
x.	Objectives :		To create awareness about Vit D deficiency, complications and remedial measures
xi.	Hypothesis :		Trial may lead to better child health.
	Treatments :		Treatment details :
		Farmers' practice	No practice of giving fortified foods and supplements
xii.		Technology option 1	Vit D fortified KVK developed ShishuAahar-I (fortified with Vit $D_3$ )
		Technology option 2	Vit D fortified KVK developed ShishuAahar-I(fortified with Vit D enriched mushroom powder)
xiii.	Critical inputs		Vit D fortified food supplements
xiv.	Unit size		1 child per family
xv.	No. of replicati	ons	8
xvi.	Unit cost		Rs.30,000/-
xvii.	Total cost		Rs.90,000/-
xviii.	Monitoring indicators		Clinical test for Vit D in blood Excess cost on farm family per subject Before and after feed back
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)		Self designed after studying journal articles and reviews on Vit D deficiency.

# OFT-10 (Repeat 2<sup>nd</sup> year)

i.		Season	November to February				
ii.	Title		Assessment of suitable improved parboiling method and paddy variety for brown rice making for better consumer acceptability and marketing.				
iii.	Thematic are	ea	Drudgery reduction/value addition				
iv.	Problem are	а	coarse rice grain having least consumer acceptance and long cooking time				
v.	Imporatant o	cause	Lack of awareness about improved parboiling methods and less market demand due to low quality grain production.				
vi.	Production s	system	SHGs engaged in this occupation.				
vii.	Micro-farmi	ng situation	Household level brown rice making in Dhekki by farmwomen				
viii.	Technology	for testing	Improved paddy parboiling method and suitable rice variety				
ix.	Existing prac	tice	Traditional method of parboiling and use of coarse grain paddy				
x.	Objectives		To find out suitable paddy variety and parboiling method for brown rice making for better consumer acceptance.				
xi.	<u>Hypothesis</u>		Trial may lead to better consumer acceptance and may help in enhancing commercial value of brown rice.				
			Treatment details :				
		Farmers' practice	Use of traditional rice varieties and parboiling methods				
xii.	Treatment s	Technology option 1	Four fine rice varieties viz. IET-4094, MTU-1010, Pratiksha and Parijat and use of Short Soaking Tempering method(SST-I) (presoak for 4hrs at 90°c, steamed and dried)				
		Technology option 2	Four fine rice varieties viz. IET-4094, MTU-1010, Pratiksha and Parijat and use of Short Soaking Tempering method(SST-II)(presoak for 2hrs at 90°c, steamed and dried)				
xiii.	Critical input	ts	Improved rice varieties and perforated bases				
xiv.	Unit size		A farm family				
xv.	No. of replic	ations	8				
xvi.	Unit cost		Rs.2000/-				
xvii.	Total cost		Rs.32000/-				
xviii	Monitoring i	indicators	<ul> <li>Cooking time measurement</li> <li>Time and energy saving</li> <li>Quality analysis of rice samples.</li> <li>Before and after feedback</li> </ul>				
xix.	Source of AICRP/ SA specify)	Technology (ICAR/ U/ Other, please	Self designed after studying journal articles and reviews.				

# OFT-11: New (NARI Project)

i.	Season		Round the year					
	Title		Assessment of Nutri-cereal and millet based Ready To Eat (RTE)					
			nutritional supplement on farmwomen and teenage girl's health.					
iii.	Thematic area		Women and child care/household nutritional security					
iv	Problem area		Physiological anemia and other complications due to lack of dietary					
10.			supplements.					
٧.	Imporatant ca	use	Lacks of dietary supplements due to poor socio-economic status					
vi.	Production sys	stem	Farm family					
vii.	Micro-farming	situation	Farm women and young girls					
viii.	Technology fo	r testing	Assessment of cereal and millet based Ready To Eat (RTE) nutritional supplement to enhance nutritional status of farm family.					
ix.	Existing practi	ce	No use of such nutritional supplements					
x.	Objectives		To assess the health benefits of suggested formulations on farm women (age 35-45) and teenage girls.					
	Hypothesis		RTE mix would act as a source of dietary mineral and vitamins might					
xi.			help in tackling the nutritional deficiency diseases and would lead to					
	Treatments		Treatment details :					
		<b>F</b> /						
		Farmers' practice	No use of nutritional supplements by farmwomen					
xii.		Technology option 1	Nutritional supplement consist of Wheat, buckwheat, fingermillet and moringa leaf powder(proportion 6:2:2)					
		Technology option 2	Nutritional supplement consist of Rice(flaked), Bengal gram pulse, buckwheat, fingermillet and moringa leaf powder.(proportion 4:2:2:2)					
xiii.	Critical inputs		Nutritional supplement to target groups					
xiv.	Unit size		A farmwomen and teenage girl					
xv.	No. of replicat	ions	8					
xvi.	Unit cost		Rs.2000/-					
xvii.	Total cost		Rs.64000/-					
	Monitoring in	dicators	<ul> <li>Overall health (Subjective scale)</li> <li>Hb lovel</li> </ul>					
xviii.			Economic impact					
			Before and after feedback					
xix.	Source of Tec SAU/ Other, p	hnology (ICAR/ AICRP/ lease specify)	Self designed after studying journal articles and reviews.					

# Fishery Science OFT-12: (Repeat 2<sup>nd</sup> year)

i.	Season		Round the year			
ii.	Title of the 0	DFT	Assessment of Raikhar Bata ( <i>C. reba</i> ) as bottom dweller fish in polyculture system from conservation point of view			
iii.	Thematic Ar	еа	Assessment of Raikhar Bata as bottom dweller			
iv.	Problem diagnosed		Poor fish productivity in domestic pond under Mahananda Flood Plain farming situation of <i>Terai</i> zone			
۷.	Important C	ause	Lack of knowledge regarding species composition and stocking density in polyculture of fish among farmers			
vi.	Production s	system	Pond based			
vii.	Micro farmin	g system	Pond based farming situation			
viii.	Technology	for Testing:	Use of suitable species composition and proper stocking density in polyculture of fish			
ix.	Existing Practice:		Stocking of different fish species without knowing their compatibility and proper stocking density			
х.	Hypothesis:		Use of different compatible fish species at a proper stocking density in polyculture system may increase the fish production and fishers income			
xi.	Objective(s):		To conserve fish species which is under threatened category and also increase fishers income from bottom layer of domestic ponds			
	Treatment Farmers Practice		Stocking of different fish species without knowing their			
XII.	s:	(FP):	Compatibility and not proper stocking density			
		option-I (TO-I):	nos/ha			
		Technology	Stocking of mrigals ( <i>C. mrigala</i> ) and Raikhar Bata ( <i>C. reba</i> ) at stocking density of 3000 nos/ha with stocking ratio 1:1			
xiii.	Critical Inpu	ts:	Fish seeds			
xiv.	Unit Size:		Variable			
xv.	No of Replic	ations:	7			
xvi.	Unit Cost:		Rs. 4450.00 (on the basis of 0.05 ha)			
xvii.	Total Cost:		Rs. 31,150.00			
xviii	Monitoring Indicator:		a) Yield b) Economic Return			
xix	Source of T AICRP/ SAL specify):	echnology (ICAR/ J/ Other, please	ICAR –CIFA			

# OFT-13: (Repeat 2<sup>nd</sup> year)

i.	Season:	Throughout the year					
ii.	Title of the OFT:	Assessment the efficacy of different organic manures on growth performance of IMC					
iii.	Thematic Area:	Assessment of organic manure	Assessment of organic manures				
iv.	Problem diagnosed:	Poor fish productivity in domestic pond under Mahananda Flood Plain farming situation of <i>Terai</i> zone					
٧.	Important Cause	Lack of knowledge regarding fish culture ponds	use of organic manures at a proper dose in				
vi.	Production system:	Pond based					
vii.	Micro farming system	Pond based farming situation					
viii.	Technology for Testing:	Application of different organ ponds	ic manures at an proper dose in fish culture				
ix.	Existing Practice:	Fish culture with irregular use	Fish culture with irregular use of organic manure				
x.	Hypothesis:	Application of organic manures at an proper dose would increase the growth rate of fish and thereby increasing fish productivity					
xi.	Objective(s):	To assess the efficacy of different organic manures on growth performance of fish in domestic pond					
	Treatments:	Farmers Practice (FP):	Application of cowdung at an lower dose				
vii		Technology option-I (TO-I):	Application of cowdung @ 10000 kg /ha/yr				
AII.		Technology option-II (TO-II):	Application of vermicompost @ 10000 kg /ha/yr				
xiii.	Critical Inputs:	Vermicompost					
xiv.	Unit Size:	Variable					
xv.	No of Replications:	7					
xvi.	Unit Cost:	Rs. 8200.00 (on the basis of 0	.05 ha)				
xvii.	Total Cost:	Rs. 57,400.00					
xviii	Monitoring Indicator:	a) FishYield b) DO, pH, plankton production					
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ICAR –CIFA					

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

SI. No.	Name of the project	Fund expected (Rs.)
1	Short term research of ATMA projects	5.0 lakh

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

- i. Entrepreneurship development in Mushroom cultivation and its value added products for socioeconomic upliftment.
- **ii.** Processing and marketing of organic turmeric: An approach towards women empowerment.
- **iii.** Value added products from jackfruit: An approach towards household nutritional security and income generation.
- iv. Farmer interest Groups(FIGs) an integrated approach towards commodity specific production marketing.

#### 12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
October 3 <sup>rd</sup> , 2018	June-July, 2020

#### **13.** Soil and water testing:

	No. of	No. of Farmers							No. of			
Details	Samples	S	С	9	ST	Oth	ner		Tota		Villages	distributed
	Samples	М	F	М	F	М	F	М	F	Т	villages	uistributeu
Soil Samples	250	80	20	35	15	80	20	195	55	250	20	250
Water Samples	100	30	10	10	5	30	15	70	30	100	10	
Other (Please specify)												
Total	350	110	30	45	20	110	35	265	85	350	30	250

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

	Rs. In lakh				
Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)			
Pay & allowance (16 nos. staff members)	95.00	130.00			
Contingency (including office contingency Rs.	18.00	20.0			
ТА	1.10	1.40			
HRD	0.00	0.30			
Sub total	114.10	151.70			
Non-recurring (specify)					
Furniture & equipment	0.00	2.0			
Furniture and other accessories for Training Hostel	0.00	3.0			
Garage for tractor, motor cycle & vehicle	0.00	3.0			

	Rs. In lakh				
Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)			
Lode Transformer for KVK for uninterrupted	0.00	4.0			
power supply					
Lightening of office premises including street	0.00	10.00			
lights with LED facilities for KVK farm and Seed					
godown surroundings through underground					
cable line					
Broadband internet connection through	0.00	1.0			
dedicated fiber optical cable connection	0.00				
Iron remover for ponds, training nostel & office	0.00	5.0			
Duilding Cuele stand for formore	0.00	2.00			
	0.00	3.00			
Boring of new Tubewell	0.00	5.0			
Construction of additional 200 sq. m. building	0.00	30.0			
Library	0.00	0.25			
Repairing of Training Hostel	0.00	3.0			
Renovation of Soil Testing Lab and up-gradation	0.00	2.5			
Completion of staff quarters					
Irrigation channel	0.00	5.0			
Construction of all weather metal road	0.00	30.0			
Sub total		106.75			
Grand Total	114.10	258.45			

\* Any additional requirement may be suitably justified.

# 15. Technology having wide acceptability among the farming community of the district with factual data.

# Market linked technology of mushroom cultivation for subsidiary income and nutritional security of farm families of Uttar Dinajpur district of West Bengal

The small-scale mushroom production represents an opportunity for farming community interested in an additional income and is an ideal option specifically for those without much land. In Uttar Dinajpur district of West Bengal, mushroom cultivation is becoming more popular these days, among Farmers and farmwomen as an easy and reliable method to increase their family income. Through KVK Uttar Dinajpur, they learned the fundamental aspects of mushroom farming and had hands on training. They initiated their cultivation on a small scale, in each one's homestead and after gaining confidence many of them expended their cultivation by making investments for constructing separate sheds. Now five of them had grown to an entrepreneurial level of making around 50-70kg of mushroom per day and they were selling at price of Rs.80 to Rs.100 per kg. Moreover, they had also converted their produce to value added products like dried mushroom, pickles, Waddi, papad etc. which fetches additional revenue for them. KVK helped these groups to get done their *Fssai* registration for their products. On an average they were earning an additional income of Rs.25000/- to 30000/- per month. Initially the SHGs, Farmers' Clubs and individual farmers started producing fresh mushrooms and sell it in the local markets as well as in big markets through middlemen. Later on all the SHGs, Farmers' Clubs and individual farmers were brought under single umbrella to form one Producers Organization with joint initiative of NABARD and KVK by this process total daily production of mushroom from each group were picked up and channelized to bigger market at Siliguri, Nepal, Bhutan etc. resulting better price thereby ensuring more net return to the individual groups. The spent substrate along with cow dung and other agri-waste materials converted into compost and applied directly back to the soil.

woor	No. of Trainings(including PF,	No. of Unit Establishment		Individual	Production at
year	RY & sponsored)	Persons	by SHGs and FCs	entrepreneur	household level
2012-13	02	25	04	02	05
2013-14	05	98	06	08	18
2014-15	10	217	08	16	24
2015-16	12	290	09	18	35
2016-17	11	280	09	18	36
2017-18	12	302	10	20	35
2018-19	13	315	10	18	36

#### Horizontal Spread of Technology:

Success stories in mushroom enterprise: From housewife to an enterprenurer, Anima Majumdar is earning net profit of Rs.8,000 - 10,000 per month by selling mushrooms and its vaue added products. This year in the month of January she has been nominated for Mahindra Samridhi Awards 2018-19 and has been selected National nominee under youth category on March 18<sup>th</sup>, 2019, she has been awarded with **Mahindra samridhi National award** at new Delhi and remunerated with 2.16 Lakhs. This was a pride moment for Anima Majumdar, her family members, whole locality as well as pride moment for Uttar Dinajpur KVK. She is now stepping towards better livelihood.

Tribal farmwomen learnt value addition of Mushroom by making Pickle, mushroom *baddi* and dried powder which they are selling in the market at high price. In present project Tea garden labourer especially farm women were targeted to improve their livelihood and KVK played important role through its skill development training, front line demonstration and asset creation like making of mushroom unit, concrete steeping chamber etc and explored new marketing channels to the Tribal farmers. One of tribal farm women Mrs. Shushila Tudu has awarded with Mahindra Samriddhi National Award under youth category for the year 2017-18. This occupation helped them to find new working environment where they are able to engage themselves in a group activity their homes and adopt their own profession which in return helped them to spare more time for their families and secured livelihood.



#### **ACTION PHOTOGRAPHS**



