Action Plan
2019 – 20

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REVISED PROFORMA FOR ACTION PLAN 2019-2020

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

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I Crop Production														
Post-harvest technology	Post-harvest operations of jute	1	1	Off	16.08.19	10	5	0	0	15	0	25	5	30
Production technology	Improved production technology off jute	2	1	Off	12.04.19 20.04.19	28	0	0	0	32	0	60	0	60
Resource Conservation Technologies	Rice cultivation through SRI	2	1	On	20.06.19 26.06.19	36	0	4	0	40	0	80	0	80
Conservation agriculture	Sustainable crop production through conservation agriculture	1	4	On	19.07.19- 19.07.19	8	0	0	0	12	0	20	0	20
Production technology	Improved production technology of green gram	2	1	Off	15.01.20, 22.01.20	30	8	0	0	42	0	72	8	80
Production technology	Improved production technology of mustard	2	1	Off	17.09.19 20.09.19	12	12	0	0	56	0	68	12	80
Production technology	Improved production technology of pulses	2	1	Off	01.10.19	12	12	0	0	56	0	68	12	80
Production technology	Improved production technology of groundnut	2	1	Off	22.10.19 24.10.19	20	4	0	0	24	12	44	16	60
II. Horticulture														
Vegetable cultivation	Cultivation techniques of	2	1	On	17.10.19,	6	0	8	0	46	0	60	0	60

	solanaceous vegetable				20.10.19									
Orchards development	Layout and Management of Orchards	1	1	Off	06.06.19	5	0	5	0	20	0	30	0	30
	Micro irrigation systems of orchards	1	1	On	16.08.19	5	0	5	0	20	0	30	0	30
Cultivation of Fruit	Improved cultivation of tissue culture banana	1	1	Off	08.06.19	3	0	2	0	20	5	25	5	30
Plant propagation techniques	Plant propagation techniques of sub-tropical fruit crops	2	1	On	06.07.19, 10.07.19	6	0	4	0	40	10	50	10	60
Production and Management technology	Improved production technology of potato	2	1	Off	10.09.19, 17.09.19	6	0	4	0	40	10	50	10	60
Production and Management technology	Improved production technology of kharif onion	1	1	Off	19.06.19	3	0	2	0	20	5	25	5	30
III. Soil Health and Fertility Management														
Soil fertility management	Role of nutrient vis-à-vis crop production	2	1	On	30.05.19, 19.08.19	14	0	0	0	40	6	54	6	60
Integrated Nutrient Management	Benefits of INM in field crops	2	1	Off	22.06.19, 22.05.19	20	0	4	0	36	0	60	0	60
Production and use of organic inputs	Need for composting and different types of compost preparation	1	3	On	20.08.19, 12.09.19, 13.11.19	6	2	0	0	12	0	18	2	20
Management of Problematic soils	Management of problem soil and ways of amelioration	2	1	Off	12.11.19, 28.01.20	20	0	0	0	40	0	60	0	60
Micro nutrient deficiency in crops	Role of micronutrient in soil and crop health	2	1	On	01.11.19, 30.01.20	20	0	0	0	40	0	60	0	60
V Plant Protection														
Integrated Disease Management	Integrated Disease Management (IDM) in *aman* rice	3	1	On	16.07.19, 22.08.19	15	6	12	0	32	10	59	16	75
Disease management of crops	Disease Management in Mustard	2	1	Off	05.11.19, 29.11.19	10	6	8	4	28	4	46	14	60
	Disease Management in Potato	2	1	Off	09.12.19, 17.12.19	10	6	10	4	26	4	46	14	60
	Disease Management in Tomato	2	1	Off	15.01.20, 30.01.20	8	2	4	0	42	4	54	6	60
	Disease Management in Cucurbits	2	1	Off	20.01.20, 28.01.20	8	6	8	4	34	0	50	10	60
Insect pest management	Insect pest management in rice	2	1	Off	07.08.19,	15	10	10	0	25	0	50	10	60

of crops					26.08.20									
	Insect pest management in rice	2	1	On	21.08.20, 12.09.19	15	0	5	0	30	0	50	0	50
	Insect pest management in brinjal	2	1	Off	04.10.19, 15.10.19	20	5	5	0	30	0	55	5	60
	Insect pest management in tomato	2	1	On	18.10.19, 29.10.19	20	5	5	0	30	0	55	5	60
VI. Fishery Sc														
Integrated fish farming	Integrated duck-cum-fish farming in back yard pond	1	2	On	23.06. 2019	5	2	2	1	13	7	20	10	30
	Integrated poultry-cum-fish farming in back yard pond	1	2	On	26.06.2019	5	2	2	1	13	7	20	10	30
Carp fry and fingerling rearing	Rearing pond preparation and management	1	1	On	12.08. 2019	5	2	2	1	13	7	20	10	30
	Preparation and management of nursery pond	1	1	Off	17.08.2019	5	2	2	1	13	7	20	10	30
Composite fish culture	Aquatic weeds and algal blooms in fish ponds, their control and utilization	1	1	Off	21.01.2020	5	2	2	1	13	7	20	10	30
	Schedule of fertilization and liming in fish culture ponds.	1	1	Off	17.09. 2019	5	2	2	1	13	7	20	10	30
	Disease management & prophylactic measures in composite fish culture pond	2	1	On	20.12. 2019, 06.01.2020	10	4	4	2	26	14	40	20	60
	Effects of liming in fish ponds	1	1	On	15.10. 2019	5	2	2	1	13	7	20	10	30
Hatchery management and culture of freshwater fishes	Polyculture of freshwater IMC with cat fishes	1	1	On	20.10. 2019	3	0	2	0	19	6	24	06	30
	Scientific management of IMC Fish Hatchery	2	1	Off	19.11. 2019, 09.01.2020	6	0	4	0	38	12	48	12	60
TOTAL		**64**	**46**			**445**	**107**	**129**	**21**	**1102**	**151**	**1676**	**279**	**1955**

(b) Rural youths

Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Production and use of organic	Vermicompost production at	2	1	On	07.08.19	12	4	0	0	22	2	34	6	40

inputs	farmers level				13.08.19									
Seed production	Seed production of different field crops	2	1	Off	19.06.19 22.06.19	20	0	0	0	40	0	60	0	60
Production of bio control agents and bio pesticides	Preparation of organic pesticides and its application	1	1	Off	02.11.19	3	0	2	0	20	5	25	5	30
Post harvest technology	Post harvest technology of horticultural crops	1	1	Off	21.01.19	3	0	2	0	20	5	25	5	30
Mushroom Production	Improved Production Technology of Oyster mushroom	1	2	On	02.11.19 – 03.11.19	4	2	2	0	12	0	18	2	20
TOTAL		**7**	**6**			**42**	**6**	**6**	**0**	**114**	**12**	**162**	**18**	**180**

(c) Extension functionaries

Thrust area/ Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Others	Climate change and effect on agriculture	1	1	On	20.11.19	6	2	0	0	11	1	17	3	20
Production and use of organic inputs	Need for composting and different types of compost preparation	1	1	On	29.08.19	10	0	0	0	20	0	30	0	30
Seed production	Seed production of Vegetable crops	2	1	On	01.02.20, 05.02.20	10	0	4	0	46	0	60	0	60
Post harvest technology	Scientific ripening techniques of fruits	1	1	On	08.02.20	0	0	10	0	20	0	30	0	30
Composite fish culture	Food security through fish culture	2	1	On	20.12.2019, 11.02.2020	11	2	4	1	40	2	55	5	60
Others	Refresher training course for ATM/BTM	2	2	On	06.08.19-07.08.19 & 29.08.19-30.08.19	9	2	2	0	38	9	49	11	60
Others	Refresher training course for KPS	1	2	On	04.09.19-05.09.19	7	0	2	0	21	0	30	0	30
TOTAL		**10**	**9**			**53**	**6**	**22**	**1**	**196**	**12**	**271**	**19**	**290**

(d) Vocational training

Thrust area/ Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Soil and water testing	Methods of soil and water testing	1	5	On	24.09.19-28.09.19	2	0	0	0	13	0	15	0	15
Ornamental fish culture	Ornamental fish culture for rural employment generation	1	5	On	22.12.2019	2	0	1	0	12	0	15	0	15

Mushroom Production	Improved Production Technology of Oyster mushroom	1	5	On	01.12.19 – 05.12.19	4	2	2	0	12	0	18	2	20
Rural Handicrafts	Kantha Sticth Preparation	1	7	On	23.09.19 – 30.09.19	0	8	0	0	0	12	0	20	20
Rural Handicrafts	Jute & other handicrafts preparation	1	7	On	10.01.20 – 17.01.20	0	6	0	2	0	12	0	20	20
TOTAL		**5**	**29**			**8**	**16**	**3**	**2**	**37**	**24**	**48**	**42**	**90**

(e) ASCI Skill Development Training

Thrust area/ Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Nursery management	Nursery management in horticultural crops	1	30	On	1st Dec to 5th Jan	4	0	2	0	14	0	20	0	20
Mushroom Production	Improved Production Technology of different types of edible mushrooms	1	30	On	Feb, 2019	3	3	3	0	9	2	15	5	20
TOTAL		**2**	**60**			**7**	**3**	**5**	**0**	**23**	**2**	**35**	**5**	**40**

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

Farmers and Farm women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies	3	52	0	52	44	0	44	4	0	4	100	0	100
Cropping Systems	10	210	12	222	102	36	138	0	0	0	312	48	360
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, (cultivation of crops)	1	15	0	15	10	5	15	0	0	0	25	5	30
TOTAL	**14**	**277**	**12**	**289**	**156**	**41**	**197**	**4**	**0**	**4**	**437**	**53**	**490**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	5	106	15	121	15	0	15	14	0	14	135	15	150
Others, if any (Cultivation of Vegetable)													
TOTAL	**5**	**106**	**15**	**121**	**15**	**0**	**15**	**14**	**0**	**14**	**135**	**15**	**150**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	20	0	20	5	0	5	5	0	5	30	0	30
Cultivation of Fruit	1	20	5	25	3	0	3	2	0	2	25	5	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	20	0	20	5	0	5	5	0	5	30	0	30
Plant propagation techniques	2	40	10	50	6	0	6	4	0	4	50	10	60
Others, if any(INM)													
TOTAL	**5**	**100**	**15**	**115**	**19**	**0**	**19**	**16**	**0**	**16**	**135**	**15**	**150**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	4	80	6	86	34	0	34	0	0	0	114	6	120
Soil and Water Conservation													
Integrated Nutrient Management	2	36	0	36	20	0	20	4	0	4	60	0	60
Production and use of organic inputs	1	12	0	12	6	2	8	0	0	0	18	2	20
Management of Problematic soils													
Micro nutrient deficiency in crops	2	40	0	40	20	0	20	0	0	0	60	0	60
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	**9**	**168**	**6**	**174**	**80**	**2**	**82**	**4**	**0**	**4**	**252**	**8**	**260**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Pest Management	8	115	0	115	70	20	90	25	0	25	210	20	230
Integrated Disease Management	11	162	22	184	51	26	77	42	12	54	255	60	315
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**19**	**277**	**22**	**299**	**121**	**46**	**167**	**67**	**12**	**79**	**465**	**80**	**545**
VIII. Fisheries													
Integrated fish farming	2	26	14	40	10	4	14	4	2	6	40	20	60
Carp breeding and hatchery management													
Carp fry and fingerling rearing	2	26	14	40	10	4	14	4	2	6	40	20	60
Composite fish culture & fish disease	5	65	35	100	25	10	35	10	5	15	100	50	150
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	3	57	18	75	9	0	9	6	0	6	72	18	90
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL	**12**	**174**	**81**	**255**	**54**	**18**	**72**	**24**	**9**	**33**	**252**	**108**	**360**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of 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	**64**	**1102**	**151**	**1253**	**445**	**107**	**552**	**129**	**21**	**150**	**1676**	**279**	**1955**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	3	33	2	35	11	7	18	7	0	7	51	9	60
Bee-keeping													
Integrated farming													
Seed production	2	40	0	40	20	0	20	0	0	0	60	0	60
Production of organic inputs	3	42	7	49	15	4	19	2	0	2	59	11	70
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
farm machinery and implements													
Nursery Management of Horticulture crops	1	14	0	14	4	0	4	2	0	2	20	0	20
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	12	0	12	2	0	2	1	0	1	15	0	15
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													
Post Harvest Technology	1	20	5	25	3	0	3	2	0	2	25	5	30
Tailoring and Stitching													
Rural Crafts	2	0	24	24	0	14	14	0	2	2	0	40	40
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any (ICT application in agriculture)	1	13	0	13	2	0	2	0	0	0	15	0	15
TOTAL	**14**	**174**	**38**	**212**	**57**	**25**	**82**	**14**	**2**	**16**	**245**	**65**	**310**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	66	0	66	20	0	20	4	0	4	90	0	90
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	20	0	20	10	0	10	0	0	0	30	0	30
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	6	110	12	122	33	6	39	8	1	9	151	19	170
TOTAL	**10**	**196**	**12**	**208**	**53**	**6**	**59**	**22**	**1**	**23**	**271**	**19**	**290**

4. Frontline demonstration to be conducted*

FLD 1:

- **Crop**: Jute
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Improved production technology
- **Season**:Pre Kharif 2019
- **Farming Situation**: Irrigated medium upland

FLD 2:

- **Crop**: Rice
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated crop management
- **Season**:Kharif 2019
- **Farming Situation**: Irrigated medium upland

FLD 3:

- **Crop**: Groundnut
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Improved production technology
- **Season**:Kharif 2019
- **Farming Situation**: Irrigated medium upland

FLD 4:

- **Crop**: Mustard
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Nutrient management
- **Season**:Rabi 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 5:

- **Crop**: Sesame
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated Nutrient management
- **Season**:Summer 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 6:

- **Crop**: Groundnut
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Varietal demonstration
- **Season**:Rabi-summer 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 7:

- **Crop**: Lentil
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated crop management
- **Season**:Rabi 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 8:

- **Crop**: Chickpea
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated nutrient management
- **Season**:Rabi 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 9:

- **Crop**: Greengram
- **Thrust Area**: Augmentation of productivity of field crops
- **Thematic Area**: Integrated crop management
- **Season**:Summer 2019-20
- **Farming Situation**: Irrigated medium upland

FLD 10

- **Crop**: Tissue culture Banana
- **Thrust Area**: Production Technology
- **Thematic Area**: Cultivation of Fruit
- **Season**: Kharif
- **Farming Situation**: Irrigated Medium/ upland

FLD 11

- **Crop**: Onion
- **Thrust Area**: Yield increment
- **Thematic Area**: Cultivation of Vegetable
- **Season**: Kharif
- **Farming Situation**: Irrigated Medium/ upland

FLD 12

- **Crop**: Brinjal
- **Thrust Area**: Production Technology
- **Thematic Area**: Cultivation of Vegetable
- **Season**: Rabi
- **Farming Situation**: Irrigated Medium/ upland

FLD-13

- **Crop**: Fishery
- **Thrust Area**: species Diversification
- **Thematic Area**: intensive fish culture
- **Season**: kharif
- **Farming Situation**: other than carp polyculture

FLD-14

- **Crop**: Fishery
- **Thrust Area**: species Diversification
- **Thematic Area**: composite fish culture
- **Season**: kharif
- **Farming Situation**: carp polyculture

FLD-15

- **Crop**: Fishery
- **Thrust Area**: varietal improvement
- **Thematic Area**: composite fish culture
- **Season**: kharif
- **Farming Situation**: carp polyculture
-

FLD-16

- **Crop**: Oyster Mushroom
- **Thrust Area**: Augmentation of productivity
- **Thematic Area**: Improved production technology
- **Season**: Rabi, 2019-20
- **Farming Situation**: Conventional method

FLD 17

- **Crop**: Brinjal
- **Thrust Area**: Augmentation of productivity
- **Thematic Area**: Integrated Pest Management
- **Season**: Rabi
- **Farming Situation**: Irrigated Medium/ upland

Details of FLDs:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Jute; JRO 204	10	Seed treatment+ Use of seed drill/cycle weeder+ 60:30:30 NPK+retting with CRIJAF SONA	Plant height, base diameter, yield	Seed	63000	66000	10	0	0	0	15	0	25	0	25
2	Rice; MTU 7029	10	16-18 day old seedling + 10'x10' spacing + chemical weeding + 80:40:40:20 NPKS	No. of tiller/hil, test weight, yield	Seed, Fertilizers	48000	47000	10	0	0	0	15	0	25	0	25
3	Kharif Groundnut; TG 51/any latest variety suited to location	20	20:50:75:60 N:P:K:S + Boron (20%) foliar spray 2 times (Pre and post flowering)	No. of pods/plant, yield	Seed (50%), sulfur and miconutrient	44000	42000	20	10	0	0	20	0	40	10	50

4	Mustard; JD 6/Keshari	50	Soil test based N, P, K + 30 kg S/ha+ two foliar spray of boron along with micronutrient mixture (Aquacal)	No. of pods/plant, test weight, oil content yield	Seed, Sulfur, boron	30000	29000	30	15	0	0	70	10	100	25	125
5	Sesame; RT 651/ any latest variety suited to location	40	30kg sulfur/ha was applied along with 8:40:40 N,P and K.	NO. of pods/plant, oil content, yield	Seed, sulfur, micronutrient	22000	20000	30	5	0	0	65	0	95	5	100
6	Rabi Groundnut; K8/any other latest variety	20	Improved variety	No. of pods/plant, yield	Seed of TG 51/any other latest variety	42000	40000	20	10	0	0	20	0	40	10	50
7	Lentil; WBL 77/ any latest variety suited to location	40	Treatment of seed with rhizobium followed by trichoderma and pseudomonas + Soil application of trichoderma and pseudomonas with FYM + spraying of cholorothalonil for prevention of grey mould 35 DAS; 10:40:20 N:P:K and 30 kg S/ha; 2 foliar spray of boron @ pre and post flowering	Plant mortality (%), yield	Seed, Trichoderma, pseudomonas, sulfur, boron	17000	15000	30	5	0	0	65	0	95	5	100
8	Chickpea; JAKI 9218/ any latest variety suited to location	20	Treatment of seed with rhizobium; 15:40:20 N:P:K and 30 kg S/ha; Soil application of $ZnSO_4$ @ 10 kg/ha; 2 foliar spray of boron @ pre and post flowering	No. of pods/plant, yield	Seed, sulfur, micronutrient	19000	17000	20	10	0	0	20	0	40	10	50
9	Greengram; IPM 2-14/ any latest variety suited to location	20	Seed priming + seed treatment with carbendazim and imidachloprid+ 2% urea spray at pre flowering and pod development	Pest infestation (%), Yield	Seed, bio-pesicide/insecticide, sulfur, boron	26000	25000	20	10	0	0	20	0	40	10	50
10	Tissue culture Banana Var. Grand Naine	2	Tissue cultured plantlets (Var. Grand Naine)	Yield, B:C ratio	Tissue cultured plantlets	160000	135000	3	-	2	-	10	-	15	-	15
11	Onion, Var Agrifound Dark Red	3	Variety (Var Agrifound Dark Red)	Yield, B:C ratio	Seeds	105000	Replacement of upland and medium land	4	2	2	-	14	2	16	4	20

							paddy									
12	Brinjal, Var. Bhangar Selection	2	Variety (Var. Bhangar Selection)	Yield, B:C ratio	Seedlings	98000	98000	4	2	2	-	10	2	16	4	20
13	Culture of *GIFT tilapia*	0.1	Tilapia *(Oreochromis niloticus)*	Growth rate , yield	Fish seed, fish feed	86345	57834	1	0	1	0	4	0	6	0	6
14	New carp variety	0.1	Amur (Cyprinus carpio)	Growth rate , yield	Fish seed, fish feed	78265	65874	1	0	1	0	4	0	6	0	6
15	Improved IMC variety	0.1	Jayanti Rohu (L. *rohita*)	Growth rate, yield	Fish seed, fish feed	10563	75823	1	0	1	0	4	0	6	0	6
16	Mushroom Var. Oyster	20 nos.	Improved production technology	Yield, B: C ratio	Mushroom spawn, poly packets, chemicals	5490	5000	4	2	0	0	10	4	20	0	20
17	Brinjal Var. Local	1	Integrated pest management on *Leucinodes orbonalis* 1. Install pheromone traps 10/acre for mass trapping at 10 m distance from 20 DAT, the pheromone septa should be changed at regular interval. 2. Spray azadirachtin 0.03% (300 ppm) neem oil based WSP @ 1000-2000 ml in 200-400 l of water/acre 3. Need based application of chlorantraniliprole 18.5% SC @ 80 ml in 200-300 l of water/acre.	Yield, B:C ratio	Pheromone trap 10/ acre for mass trapping and spray azadirachtin 0.03% neem oil.	48000	45000	4	2	2	-	10	2	16	4	20
TOTAL		**238.3**						**212**	**73**	**11**	**0**	**376**	**20**	**601**	**87**	**688**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved production technology of jute	2	PF	1 day	Off	10	0	0	0	15	0	25	0	25
	ICM of rice	1	PF	1 day	Off	10	0	0	0	15	0	25	0	25
	Improved production technology of rabi groundnut	1	PF	1 day	Off	20	10	0	0	20	0	40	10	50
	Improved production technology of kharif groundnut	2	PF	1 day	1 on + 1 off	30	15	0	0	70	10	100	25	125
	Nutrient management of mustard	4	PF	1 day	1 on + 3 off	30	5	0	0	65	0	95	5	100
	Integrated nutrient management of sesame	2	PF	1 day	1 on + 1 off	20	10	0	0	20	0	40	10	50
	Improved production technology of lentil	4	PF	1 day	1 on + 3 off	30	5	0	0	65	0	95	5	100
	INM on chickpea	2	PF	1 day	1 on + 1 off	20	10	0	0	20	0	40	10	50
	ICM on greengram	2	PF	1 day	1 on + 1 off	20	10	0	0	20	0	40	10	50
Field visits	Field visit	20	PF	Half day each	Off	190	65	0	0	310	10	500	75	575
Field day	Feld day on all crops	16	PF	Half day each	Off	228	78	0	0	372	12	600	90	690
	Field day on Banana, Onion and brinjal	3	90	3	Off	15	0	15	0	60	0	90	0	90
	Harvesting of crop	05	15	5	off	25	10	15	5	65	30	105	45	150
	Improved cultivation of tissue culture banana	1	30	1	Off	5	0	5	0	20	0	30	0	30
	Improved production technology of kharif onion	1	30	1	Off	5	0	5	0	20	0	30	0	30

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

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	MTU 7029	June – Dec, 2019	4	Foundation seed	210	400000	1000000	600000
Rice	MTU 1010/any other new variety	June – Dec, 2019	0.4	Foundation seed	20	40000	100000	60000
Rice	Rajendra Masuri any other new variety	June – Dec, 2019	0.4	Foundation seed	20	40000	100000	60000
Rice	Pusa 1612	June – Dec, 2019	**0.2**	**TL seed**	**10**	**20000**	**30000**	10000
Lentil	WBL 77	Dec ‘19- Feb ‘20	0.5	**TL seed**	5	12000	18000	6000
Greengram	IPM 2-3	March ’20 – June ‘20	0.2	**TL seed**	2.5	6000	9000	3000
Sesame	Sabitri	Feb ’20 – June ‘20	0.5	**TL seed**	4	12000	18000	6000

Brinjal	Bhangar Selection	July to Sept	0.01 ha	Seedlings	25000 no	10000	20000	10000
Fruit saplings	Guava, Citrus	July to Sept	-	Saplings	1000	5000	30000	25000
Fishery	Indian Major Carp	2019-20	0.1	Fish fingerling	1.0 q	20000	25000	5000

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	MTU 7029	June – Dec, 2019	100	250	TL seed	4500	4800000	9000000	4200000

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	24	795	135	930	44	18	2	20	813	137	950
2.	Kisan Mela	1	450	100	550	30	35	5	40	485	105	590
3.	Kisan Ghosthi	1	80	20	100	25	0	0	0	80	20	100
4.	Exhibition	2	450	50	500	30	0	0	0	450	50	500
5.	Film Show	20	500	100	600	30	0	0	0	500	100	600
6.	Method Demonstrations	4	83	4	87	42	2	1	3	85	5	90
7.	Farmers Seminar	2	125	25	150	30	0	0	0	125	25	150
8.	Workshop	1	65	10	75	30	0	0	0	65	10	75
9.	Group meetings	15								0	0	0
10.	Lectures delivered as resource persons	8	70	10	80	30	90	30	120	160	40	200
11.	Advisory Services	80	200000	35000	235000	30	0	0	0	200000	35000	235000
12.	Scientific visit to farmers field	30	300	50	350	30	0	0	0	300	50	350
13.	Farmers visit to KVK	565	6589	940	7529	20	0	0	0	6589	940	7529
14.	Diagnostic visits	55	54	13	67	21	0	0	0	54	13	67
15.	Exposure visits	13	151	26	177	34	0	0	0	151	26	177
16.	Ex-trainees Sammelan	4	67	7	74	12			0	67	7	74
17.	Soil health Camp	11	273	9	282	15	10	3	13	283	12	295

18.	Animal Health Camp											
19.	Agri mobile clinic	23	543	37	580	18	0	0	0	543	37	580
20.	Soil test campaigns	9	367	12	379	24	0	0	0	367	12	379
21.	Farm Science Club Conveners meet	11	119	8	127	19	4	0	4	123	8	131
22.	Self Help Group Conveners meetings	9	60	103	163	24	0	0	0	60	103	163
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	6	234	92	326	0	0	0	0	234	92	326
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	15	450	244	694	35	2	0	0	452	244	696
27.	Mahila Kisan Diwas	1	0	45	45	24	0	2	2	0	47	47
28.	Any Other (Specify)											
	Total	910	211825	37040	248865	-	161	43	202	211986	37083	249069

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
1,58,539.00 + 10,00,000.00 (in kind)	**6,00,000.00**	**10,000,00.00**

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
CSISA	**CIMMYT**	**160000**
ATMA Purba Bardhaman	**Govt. of West Bengal**	**500000**
ATMA Paschim Bardhaman	**Govt. of West Bengal**	**500000**

9. On-farm trials to be conducted*

OFT 1:

Sl no.	Particulars	Details
1	**Season**	Rabi 2019-20
2	**Title of the OFT**	Assessment of different remediation measures for cold stress of rice seedling during *rabi* season under medium upland situation of Burdwan district
3	**Thematic Area**	Integrated crop management
4	**Problem diagnosed**	Die back od paddy seedling in rabi season
5	**Important Cause**	Undeveloped root system due to cold injury leading to ono-uptake of nutrients
6	**Production system**	Rice based production system
7	**Micro farming system**	Conventional rice production in medium upland situation
8	**Technology for Testing**	Application of growth promoter
9	**Existing Practice**	Carbendazim/ Mancozeb spray
10	**Hypothesis**	Application of growth promoter or amendment of nutrient from extraneous sources will meet the nutritional requirement of seedling
11	**Objective(s)**	1. Resist dis back of paddy seedling in rabi nursery 2. Attaining robust seedling in fewer days for transplant
12	**Treatments:**	**Farmers Practice (FP):** Carbendazim/ Mancozeb spray **Technology option-I (TO-I):** Spraying of Triconanol @ 100 ppm 2 times at 3 day interval when temperature falls below 12^0C. **Technology option-II (TO-II):** Spraying of micronutrient mixture (N, B, Mg and Zn) **Technology option-III (TO-III):** Hot water treatment in early morning
13	**Critical Inputs**	Tricontanol, IAA, Micronutrient mixture
14	**Unit Size**	0.007 ha
15	**No of Replications**	10
16	**Unit Cost**	Rs. 1500
17	**Total Cost**	Rs. 15000
18	**Monitoring Indicator**	Mortality percentage, seedling height/30 DAS, Productivity gain from enriched seedlings
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	BCKV, Mohanpur

OFT 2:

Sl no.	Particulars	Details
1	**Season**	Rabi 2019-20
2	**Title of the OFT**	Assessment of effect of zinc and boron on productivity and oil content of mustard under medium upland situation of Burdwan district
3	**Thematic Area**	Nutrient management
4	**Problem diagnosed**	Sub-optimal production of mustard
5	**Important Cause**	Deficiency of targeted micronutrient in soils of Burdwan district
6	**Production system**	Rice based production system
7	**Micro farming system**	Conventional mustard production in medium upland situation
8	**Technology for Testing**	Application of Zn and B
9	**Existing Practice**	Non application of micronutrients
10	**Hypothesis**	Application of Zn and B will increase productivity and oil quality of mustard
11	**Objective(s)**	1. Increasing productivity of mustard 2. Soil enrichment of targeted micronutrients
12	**Treatments:**	**Farmers Practice (FP):** RDF of NPKS @ 80:40:40:20 **Technology option-I (TO-I):** RDF + Zn @ 5 kg/ha **Technology option-II (TO-II):** RDF + B @ 1 kg/ha **Technology option-III (TO-III):** RDF + Zn @ 5 kg/ha + B @ 1kg/ha
13	**Critical Inputs**	Zn and B in granular form
14	**Unit Size**	0.13 ha
15	**No of Replications**	5
16	**Unit Cost**	Rs. 800
17	**Total Cost**	Rs. 4000
18	**Monitoring Indicator**	Yield, Pre and post soil status of Zn and B, oil content
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	Sher-E-Kashmir University of Agricultural Sciences and Technology, Jammu

OFT 3:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Nutrient management practice in marigold
3	**Thematic Area**	Production technology
4	**Problem diagnosed**	There are two basic concerns, one is productivity of the flower in spite of good fertilizer dose and another is quality of cut flower (reddishness in tips of flower petals) in the Dist. of Burdwan.
5	**Important Cause**	Lower yield and quality due to deficiency in secondary and micronutrients
6	**Production system**	Flower- vegetable cropping system
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Nutrients like Calcium , zinc and micronutrients
9	**Existing Practice**	Application of only N,P and K
10	**Hypothesis**	Application of secondary and micronutrients may improve quality and yield
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** 150:80:80 (recommended dose of fertilizers) **Technology option-I (TO-I):** FP + 4 Sprays of chellated zinc **Technology option-II (TO-II):** FP+ 4 sprays of Aquacal (combinations of Ca, B, Mg and Zn)
13	**Critical Inputs**	Seeds
14	**Unit Size**	**0.05 ha**
15	**No of Replications**	7
16	**Unit Cost**	2000
17	**Total Cost**	14000
18	**Monitoring Indicator**	Yield, flower quality, cost benefit ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**BCKV**

OFT-4:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Varietal trial of Hybrid tomato
3	**Thematic Area**	Production technology
4	**Problem diagnosed**	Abhilash is being cultivated for several years, there is a potential yield gap of tomato in our district in comparison to southern part of the country.
5	**Important Cause**	Lower yield due to high infestation of leaf curl and blight
6	**Production system**	Paddy- vegetable cropping system
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Newly released Hybrid varieties
9	**Existing Practice**	Abhilash
10	**Hypothesis**	Newly released multi disease resistant varieties may improve yield
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** Abhilash **Technology option-I (TO-I):** Arka Samrat **Technology option-II (TO-II):** Arka Rakshak
13	**Critical Inputs**	Seeds
14	**Unit Size**	**0.05 ha**
15	**No of Replications**	7
16	**Unit Cost**	2000
17	**Total Cost**	**Rs.14000**
18	**Monitoring Indicator**	Yeld, disease infestation, cost benefit ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR IIHR

OFT 5:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Management of late blight disease of potato
3	**Thematic Area**	Disease management
4	**Problem diagnosed**	Late blight is a devastating disease in potato in our district and causes significant production loss every year.
5	**Important Cause**	Lower yield due to high infestation of late blight
6	**Production system**	Paddy- potato cropping system
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Selective chemicals for the disease
9	**Existing Practice**	Conventional days old chemicals or as directed by the local pesticides dealers
10	**Hypothesis**	Specific and selective use of chemicals may improve yield
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** Mancozeb 75% WP/ Metalaxyl 4% +Mancozeb 64% WP (5 no. of spray) **Technology option-I (TO-I):** FP + Seed treatment with Metalaxyl 4% + Mancozeb 64% WP **Technology option-II (TO-II):** Seed treatment with Mancozeb 75% WP, 1 spray each of the following at 15 days interval Mancozeb 60%+Cymoxanil 80%WP Mancozeb 60% + Dimethomorph 9% WP Famoxadone 16.6% + Cymoxanil 22.1% SC
13	**Critical Inputs**	Plant protection chemicals
14	**Unit Size**	0.05 ha
15	**No of Replications**	7
16	**Unit Cost**	1000
17	**Total Cost**	15000
18	**Monitoring Indicator**	Yield, disease infestation, cost benefit ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	BCKV, Nadia

OFT 6:

1.	**Season:**	Kharif
2.	**Title of the OFT:**	Assessment of different chemicals for pond preparation by removing predatory & weed fish from fish ponds in Burdwan
3.	**Thematic Area:**	Composite fish culture
4.	**Problem diagnosed:**	Complete draining of deep perennial water bodies are economically intensive, therefore, some particular steps must be adopted to remove predatory & weed fishes for pond preparation.
5.	**Important Cause:**	Unwanted or weed fish are smaller varieties of fishes that occur either naturally or accidentally introduced primarily along with the carp spawn into the fish ponds
6.	**Production system:**	Modified extensive production system
7.	**Micro farming system:**	Composite carp farming system
8.	**Technology for Testing:**	Use of chemicals (urea and bleaching powder) for pond preparation
9.	**Existing Practice:**	Efficient pond fish farming entails small, seasonal ponds preferable as they facilitate effective control of environmental conditions and also because of automatic destruction of predatory and weed fishes by complete dewatering of the pond.
10.	**Hypothesis:**	Predatory and Weed fishes compete for food and dissolved oxygen but also compete for space with the cultivable variety of fishes. Predatory and Weed fishes have high fecundity and they ripen sexually very fast
11.	**Objective(s):**	getting maximum survival rate and production in carp culture
12.	**Treatments:** Farmers Practice (FP): Technology option-I (TO-I): Technology option-II	FP: application of Mohua Oil Cake 2.25 t/ha TO 1: application of commercial Bleaching powder (30% active chlorine) @350 kg/ha-m TO 2: application of Mixture of Urea and commercial Bleaching powder (application of urea @ 100 kg/ha-m, after 24 hrs commercial bleaching powder (30% active chlorine)@175 kg/ha-m.)
13.	**Critical Inputs**	Mohua oil cake, commercial bleaching powder, urea
14.	**Unit Size:**	0.01 ha
15.	**No of Replications**	7
16.	**Unit Cost:**	Rs. 4000.00
17.	**Total Cost:**	Rs. 28000.00
18.	**Monitoring Indicator:**	Fish yield, economics
19.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR-CIFA, BBSR

OFT 7:

1.	**Season:**	Kharif
2.	**Title of the OFT:**	Assessment of stocking density fingerling to stunted fingerling stage on productivity of Indian Major Carps in freshwater ponds.
3.	**Thematic Area:**	Composite fish culture
4.	**Problem diagnosed:**	Low productivity in composite fish culture
5.	**Important Cause:**	Less production when cultured with normal fish fingerling in culture system
6.	**Production system:**	Modified extensive production system
7.	**Micro farming system:**	Modified extensive carp culture system
8.	**Technology for Testing:**	Composite fish culture with stunted fish fingerlings with different stocking density
9.	**Existing Practice:**	Composite fish culture with three species of carp (4:3:3)
10.	**Hypothesis:**	Stunted fish fingerlings with high stocking density will results in better performance
11.	**Objective(s):**	To increase the productivity per unit area
12.	**Treatments:**	FP: Stocking density of fingerling to stunted fingerling stage 37500 Nos /ha TO 1: Stocking density of fingerling to stunted fingerling stage 75000 nos/ha TO2: Stocking density of fingerling to stunted fingerling stage 112500 Nos/ha
13.	**Critical Inputs**	Fish seed, fish feed , medicines
14.	**Unit Size:**	0.1 ha
15.	**No of Replications**	7
16.	**Unit Cost:**	Rs. 4000.00
17.	**Total Cost:**	Rs. 28000.00
18.	**Monitoring Indicator:**	Survivality, Fish yield, Economics
19.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR-CIFA

***** Fingerlings were provided with supplementary feed consisting of powdered mixture of rice bran (45%), groundnut oil cake (45%), but with a restricted ration than that followed in normal fingerling rearing programme for 10-12 months with an average weight of stunted fingerling 100-150 gm.

OFT 8:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Efficacy of some insecticides against pod borer in Chickpea
3	**Thematic Area**	Insect management
4	**Problem diagnosed**	About 25-30 % yield losses due to infestation of Pod Borer
5	**Important Cause**	Lower yield due to infestation of Pod Borer
6	**Production system**	Paddy- Chickpea
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Selective chemicals for the insect management
9	**Existing Practice**	Conventional days old chemicals or as directed by the local pesticides dealers
10	**Hypothesis**	Specific and selective use of chemicals may improve yield
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** Use of Chlorpyriphos / Prophenophos. **Technology option-I (TO-I):** Spraying of Flubendiamide 39.5 S,C. @ 100 ml/ha after 1 st initiation of pest. **Technology option-II (TO-II):** Spraying of Chlorantaniliprole 18.5 S.C. @ 120 ml/ha after 1 st initiation of pest.
13	**Critical Inputs**	Plant protection chemicals
14	**Unit Size**	0.5 ha
15	**No of Replications**	7
16	**Unit Cost**	1000
17	**Total Cost**	15000
18	**Monitoring Indicator**	No. of infested pod/m^2, Yield, Net return, B:C ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR-IIPR, Kanpur

OFT 9:

Sl no.	Particulars	Details
1	**Season**	Rabi
2	**Title of the OFT**	Biocontrol of Fruit fly infestation in Mango
3	**Thematic Area**	Insect management
4	**Problem diagnosed**	About 20-30 % yield losses due to infestation of Fruit fly
5	**Important Cause**	Lower yield due to infestation of Fruit fly
6	**Production system**	Mango
7	**Micro farming system**	Irrigated Medium Land
8	**Technology for Testing**	Biological control for the insect management
9	**Existing Practice**	Conventional days old chemicals or as directed by the local pesticides dealers
10	**Hypothesis**	Reduction of infestation of fruit fly in mango
11	**Objective(s)**	Significant yield improvement as well as increase in income
12	**Treatments:**	**Farmers Practice (FP):** Use of conventional insecticide like Imidachloprid. **Technology option-I (TO-I):** Use of bait splash on the trunk once or twice at weekly interval by mixing 100 gm Jaggery in 1 litre of water and add 1 ml of Deltamethrin by using old broom **Technology option-II (TO-II):** Setting of fly trap @ 10 no./ha, using Methyl eugenol. Prepare Methyl eugenol 1 ml per litre of water + 1 ml of Malathion solution
13	**Critical Inputs**	Plant protection chemicals & Traps
14	**Unit Size**	12 acre
15	**No of Replications**	8
16	**Unit Cost**	500
17	**Total Cost**	13000
18	**Monitoring Indicator**	i) No of marketable fruits/plant, ii) No of damaged fruits/plant, iii) % reduction in fruit fly infestation iv) Yield/ Unit area v) Net return vi) Benefit Cost Ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	NIPHM, Hyderabad

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	Cereal System Initiative for South Asia	160000
2	Convergence with ATMA, Purba Bardhaman	500000
3	Convergence with ATMA, Paschim Bardhaman	500000
4	Quadcopter surveillance and application in agriculture	1500000

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

- Entrepreneurship development with seed production of groundnut
- Sustainable production and income augmentation from mustard cultivation
- Seed production of paddy in seed village mode

12. Scientific Advisory Committee

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

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	150	60	0	0	0	90	0	150	0	150	10	1050
Water Samples	30	2	0	1	0	25	2	28	2	30	10	-
Other (Please specify)												
Total	180	62	0	1	0	115	2	178	2	180	20	1050

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs. in Lakh)
Recurring		
i. Pay & allowance	**11105634.00**	**140.00***
ii. Contingency	**1199054.00**	**22.00**
iii. TA	**78977.00**	**5.00****
iv. HRD	**0.0**	**0.20**
Non-recurring (specify)		
i. Works (Road, threshing floor, drying yard, vehicle and implement shed, irrigation system etc.)	**--**	**26.00**
iv. Furniture & Equipment	**0.0**	**10.00**
v. Vehicle and tractor	**--**	**8.00**
TOTAL	**12383665**	**211.20**

* Including 7th CPC arrear of Dr. Sk Md Azizur Rahman, Sr. Scientist and Head, KVK. Any additional requirement may be suitably justified
** Including transfer TA of Rs. 250000.00 of Dr. Sk Md Azizur Rahman, Sr. Scientist and Head, KVK

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

(Sr. Scientist and Head)
Krishi Vigyan Kendra
Bud Bud, Purba Bardhaman