

ANNUAL ACTION PLAN

(JANUARY 2022- DECEMBER 2022)



JHARGRAM KRISHI VIGYAN KENDRA

Kadam Kanan, P.O.- Jhargram

Dist.- Jhargram, West Bengal - 721507

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REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK: Jhargram Krishi Vigyan Kendra

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Kadamkanan, P.O: Jhargram, Dist: Jhargram, West Bengal, Pin – 721507	+91 8617071610	jhargramkvk@gmail.com

2. Name of host organization : Bidhan Chandra Krishi Viswavidyalaya

Address	Telephone		E mail
	Office	FAX	
P.O. Krishi Viswavidyalaya, Mohanpur, Dist- Nadia, West Bengal, India, Pin-741252	(03473)-222269		bckvvc@gmail.com

3. Training programme to be organized (January 2022 to December 2022)

(a) Farmers and farmwomen

Discipline – Agronomy

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
Crop Diversification	Improved production techniques of Til cultivation	1	1	Off	1 st wk/Mar/22	3	2	3	2	8	2	14	6	20
Crop Diversification	Improved production techniques of Kharif pulses cultivation	1	1	Off	1 st wk/April/22	3	2	3	2	8	2	14	6	20
Crop Diversification	Technique of <i>Kharif</i> Pulse Production in rain fed situation	1	1	Off	1 st wk/Jun/22	3	2	3	2	8	2	14	6	20
Integrated Crop Management	Importance and technique of green manuring crop production.	1	1	Off	4 th wk/May/22	3	2	3	2	8	2	14	6	20
Crop Diversification	Paddy production by use of different method of transplanting	2	2	Off	2 nd wk/July/22	6	4	6	4	16	4	28	12	40

Seed Production	Improved Package of Practices of Rabi-Summer Oilseeds and pulses seed production	1	1	Off	3 rd wk/Dec/22	3	2	3	2	8	2	14	6	20
Total		07	07			21	14	21	14	56	14	98	42	140

Discipline – Horticulture

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production and Management technology	Commercial cultivation of different spices.	1	1	Off	1 st wk/Feb/2022	3	2	4	1	7	3	14	6	20
Cultivation of fruits	Latest scientific cultivation technologies of fruit crops.	1	1	Off	2 nd wk/Mar/2022	3	2	3	2	8	2	14	6	20
Off-season vegetables	Kharif onion cultivation	1	1	Off	1 st wk/April/2022	2	2	4	2	8	2	14	6	20
Plant propagation techniques	Propagation techniques of different horticultural crops	1	1	Off	3 rd wk/April/2022	4	4	2	3	5	2	11	9	20
Others, (Cultivation of vegetable) .	Organic farming of vegetable crops	1	1	Off	2 nd wk/May/2022	3	2	3	2	8	2	14	6	20
Others (Management of ornamental plants)	Commercial cultivation of Flowering plants.	1	1	Off	1 st wk/June/2022	2	3	3	3	4	5	9	11	20
Others(Household food security by kitchen gardening and nutrition gardening)	Kitchen garden development	1	1	Off	2 nd wk/Sep/2022	2	2	4	2	8	2	14	6	20

Production and management technology	Medicinal and aromatic crop cultivation	1	1	Off	1 st wk/Dec/2022	2	3	3	3	4	5	9	11	20
	Total	8				21	10	26	18	52	23	99	61	160

Discipline – Agril. Engineering

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
Post harvest technology	Operation and maintenance of multi crop thresher	01	1	On	3 rd wk January/2022	02	00	05	00	13	0	20	00	20
Soil and water conservation practices	Land treatment practices on watershed basis	01	1	Off	3 rd wk February/2022	02	02	06	05	07	03	15	10	25
Repair and maintenance of water lifting pump	Trouble shooting and its remedial measures on centrifugal pump sets	01	1	On	4 th wk February/2022	02	00	05	00	13	0	20	00	20
Conservation tillage Technology	Operation and maintenance of zero tillage machines	01	1	On	1 st wk March/2022	02	00	05	00	13	0	20	00	20
Drudgery reduction tools and machinery	Gender friendly Equipment for farmwomen	01	1	On	2 nd wk March/2022	00	07	00	07	00	06	00	20	20

Repair & maintenance of farm machinery and implements	Operation and maintenance of paddy production machinery and implements	01	1	On	4 th wk June/2022	02	00	05	00	13	0	20	00	20
Conservation tillage Technology	Use of paddy transplanter, drum seeder and raising of mat type paddy nursery	01	1	On	4 th wk July/2022	02	00	05	00	13	0	20	00	20
Use of plastic in farming production	Construction & maintenance of poly tunnel, shed nets and use of mulching	01	1	Off	4 th wk September/2022	02	02	06	05	07	03	15	10	25
Installation and maintenance of micro irrigation system	Operation and maintenance of drip/ sprinkler irrigation system	01	1	Off	1 st wk December/2022	02	02	06	05	07	03	15	10	25
Small scale processing and value addition	Operation and maintenance of rice hauler and flour mill and power transmission system	01	1	On	4 th wk December/2022	02	00	05	00	13	0	20	00	20
	Total	10	10			18	13	48	22	99	15	165	50	215

Discipline – Plant Protection

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
IPM & IDM	Management of insect pest and disease of major cucurbits grown in the dist.	1	1	Off	3 rd Week of January 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major Summer Pulse and Oilseed crops grown in the district	1	1	Off	2 nd Week of Feb. 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Integrated pest management of summer crops.	1	1	On	4 th Week of May 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	storage grain pest management and Method of seed treatment of major Kharif crops of the area.	1	1	Off	3 rd Week of June 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and diseases of Aman Paddy.	1	1	Off	2 nd Week of July 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major oilseed & Pulse Crops.	1	1	Off	4 th Week of Aug. 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of Major fruit crops of the district.	1	1	On	1 st Week of Sept. 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Disease and pest management in the nursery of vegetables.	1	1	On	3 rd Week of Oct. 2022	3	3	4	3	3	4	10	10	20

IPM & IDM	Management of insect pest and disease of Major Cole crops grown in the district.	1	1	On	2 nd Week of Nov. 2022	3	3	4	3	3	4	10	10	20
IPM & IDM	Management of insect pest and disease of potato & Brinjal.	1	1	On	1 st Week of Dec. 2022	3	3	4	3	3	4	10	10	20
TOTAL		10	10			30	30	40	30	30	40	100	100	200

Discipline – Agricultural Extension

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
Capacity Building	Awareness on different State Govt Schemes related to agriculture	1	1	Off	4 th wk/ January/ 2022	3	2	3	2	8	2	14	6	20
Capacity Building & income generation	Awareness and management of SHG groups through different income generating activity.	1	1	Off	3 rd wk/ Feb/2022	3	2	3	2	8	2	14	6	20
Capacity building for ICT application	Awareness of mobile application and other cyber technologies for betterment of farming community	1	1	On	3 rd wk/ March/2022	3	2	3	2	8	2	14	6	20
Income Generation	Income Generation of the SHG groups through processing of different vegetables	1	1	On	4 th wk/ April/2022	3	2	3	2	8	2	14	6	20
Formation and Management of SHGs	Formation and Management of SHGs for better operation and women empowerment	1	1	Off	3 rd wk/ May/2022	3	2	3	2	8	2	14	6	20

Capacity Building	Orientation and capacity building of the Farmers farm Women, SHGs and village level workers for technology dissemination in grass root level.	1	1	On	2 nd wk/ Oct/2022	3	2	3	2	8	2	14	6	20
Capacity Building and income generation	Operational techniques of Sal leaf plate sewing and moulding machine by the SHG womens.	1	1	On	1 st wk/ Nov/ 2022	3	2	3	2	8	2	14	6	20
ICT in Agriculture	Use of Agril related Websites for information benefits and information about govt schemes.	1	1	On	1 st wk/ Dec/2022	3	2	3	2	8	2	14	6	20
Total		8	8	-	-	24	16	24	16	64	16	112	48	160

Discipline – Livestock Production

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
Disease Management	Prevention & Control of Commonly occurring viral, bacterial and parasitic diseases in Poultry	1	1	Off	2 nd wk/Sep/2022	3	2	3	2	8	2	14	6	20
Feed Management	Enrichment of Poor quality dry fodder.	1	1	Off	4 th wk/Mar/2022	3	2	2	3	6	4	11	9	20
Total		02	2	-	-	6	4	5	5	14	6	25	15	40

Discipline: Soil Science

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 Fertility Management	Judicious use of fertilizer in vegetable cultivation	1	1	Off	3 rd wk/Jan/2022	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Micronutrient application in vegetable cultivation	1	1	Off	3 rd wk/Jan/2022	2	1	5	6	4	2	11	9	20
Production and use of organic inputs	Vermi Compost production techniques	1	1	Off	4 th wk/Jan/2022	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	3 rd wk/Feb/2022	2	1	5	6	4	2	11	9	20
Production and use of organic inputs	Process for preparation of organic manure	1	1	Off	4 th wk/Feb/2022	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	3 rd wk/Mar/2022	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	4 th wk/Mar/2022	2	1	5	6	4	2	11	9	20
Management of problematic soil	Application of lime to neutralize soil pH in rice crop field	1	1	Off	3 rd wk/April/2022	2	1	5	6	4	2	11	9	20
Soil Fertility Management	Importance and technique of green manuring crop production.	1	1	Off	4 th wk/April/22	3	2	3	2	8	2	14	6	20
Soil Fertility Management	Balanced fertilizer application on vegetable field	1	1	Off	2 nd wk/May/2022	2	1	5	6	4	2	11	9	20

Soil Fertility Management	Importance and technique of green manuring crop production.	1	1	Off	4 th wk/May/22	3	2	3	2	8	2	14	6	20
Integrated Nutrient Management	Balanced fertilizer in Rice crop.	1	1	Off	2 nd wk/Jun/2022	2	1	5	6	4	2	11	9	20
Integrated Nutrient Management	Balanced fertilizer in Rice crop.	1	1	Off	3 rd wk/Jun/2022	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Foliar application of micronutrient in rice	1	1	Off	4 th wk/July/2022	2	1	5	6	4	2	11	9	20
Production and use of organic inputs	Use of vermi compost in kitchen garden and in production of planting materials	1	1	Off	2 nd wk/Aug/2022	2	1	5	6	4	2	11	9	20
Management of problematic soil	Application of lime to neutralize soil pH for vegetable cultivation	1	1	Off	3 rd wk/ Sept/2022	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Use of micronutrient for vegetable production	1	1	Off	3 rd wk/ Oct/2022	2	1	5	6	4	2	11	9	20
Micro nutrient deficiency in crops	Importance and use of micronutrient application for pulse and oilseed production	1	1	Off	4 th wk/Nov/2022	2	1	5	6	4	2	11	9	20
Production and use of organic inputs	Production techniques of vermin compost	1	1	Off	2 nd wk/Dec/2022	2	1	5	6	4	2	11	9	20
Total		19	19	-	-	38	19	95	114	76	38	209	171	380

(b) Rural youths**Discipline – Agronomy**

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
Seed Production	Quality seed production of Cereals.	1	2	On	2 nd wk/July/2022	2	1	2	2	6	2	10	5	15
Seed Production	Quality seed production of oilseeds Cereals.	1	2	On	2 nd wk/Nov/2022	2	1	2	2	6	2	10	5	15
Total		02	14	-	-	4	2	4	4	12	4	20	10	30

Discipline – Horticulture

Thematic area	Title of Training	No.	Duration(Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Nursery Raising	Nursery Management (Gardener Training).	1	2	On	1 st wk/May/2022	3	1	2	1	4	4	9	6	15
Protected Cultivation	Protected cultivation of high value horticultural Crops	1	2	On	2 nd wk/Sept/2022	2	1	2	1	6	3	10	5	15
Total		02				5	2	4	2	10	7	19	11	30

Discipline –Agril. Extension

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
Mobilization of Social Capital	Agro- eco system analysis through different Tools & techniques	1	02	On	1 st wk/Jun/2022	2	1	3	2	4	3	9	6	15
Mushroom cultivation	Procedure of mushroom cultivation	1	02	On	2 nd wk/August/2022	2	1	3	2	4	3	9	6	15
Total		02	10	-	-	4	2	6	4	8	6	18	12	30

Discipline: Soil Science

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
Vermi-culture	Production of Vermi-compost	1	2	On	1 st wk/Nov/2022	2	1	2	2	6	2	10	5	15
Soil and water testing	Methods of soil and water testing	1	2	On	3 rd wk/Dec/2022	2	1	5	6	4	2	11	9	20
Total		02	14			4	2	7	7	10	4	21	14	35

Discipline – Agril. Engineering

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
Repair and maintenance of farm machinery and implements	Overhauling of Diesel engine Pumpset	01	6 days	On	1 st wk/January/2022	02	00	05	00	08	00	15	00	15
Enterprise development	Managing custom and hire centres for farm machinery and implements	01	4 days	On	2 nd wk/February/2022	02	00	03	02	08	00	13	02	15
Repair and maintenance of farm machinery and implements	Operation and maintenance of Paddy production machines	01	6days	On	2 nd wk/July/2022	02	00	05	00	08	00	15	00	15
Total		03				06	00	13	04	24	00	52	02	45

Discipline – Plant Protection

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Bee Keeping	Modern Technique of Bee Keeping.	1	7	On	3 rd Week of July 2022	4	2	5	2	5	2	14	6	20
Entrepreneurial development of youths	Development of PhasalSurakshaMitra	1	7	On	2 nd Week of Sept. 2022	4	2	5	2	5	2	14	6	20
Bee Keeping	Modern Technique of Bee Keeping.	1	7	On	2 nd Week of Octo. 2022	4	2	5	2	5	2	14	6	20
Total		03	21			12	6	15	6	15	6	42	18	60

(c) Extension functionaries

Discipline – Agronomy

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
Productivity enhancement in field crops	Orientation training on Productivity enhancement in field crops	1	1	Off	2nd wk/Jun/2022	3	2	3	2	8	2	14	6	20
Integrated nutrient management	Use of different nutrient in crops to increase yield in field crops	1	1	On	3 rd wk/Nov/2022	3	2	3	2	8	2	14	6	20
Total		02	2	-	-	6	4	6	4	16	4	28	12	40

Discipline – Horticulture

Thrust area/ Thematic area	Title of Training	No.	Duration(Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Protected cultivation technology	Post harvest management and different processing techniques of some horticultural crops	1	2	On	3 rd wk/Dec/2022	3	2	2	2	4	2	9	6	15
	Total	1				3	2	2	2	4	2	9	6	15

Discipline – Agril. Extension

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
Value addition	Processing and value addition of horticultural fruits and Vegetables	1	1	Off	3 rd wk/July/2022	2	1	8	2	9	3	19	6	25
Capacity building for ICT application	Awareness of ICT Application in Agriculture	1	1	Off	4 th wk/September/2022	3	2	3	2	8	2	14	6	20
Total		2	2	-	-	5	3	11	4	17	5	33	12	45

Discipline – Agril. Engineering

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
Care and maintenance of farm machinery and implements	Improved Agril implement for rice based production system and its management	01	1	ON	3 rd wk/June/2022	02	00	05	02	06	00	13	02	15
Water Management	Operation and maintenance of micro irrigation system and use of plastic	01	1	ON	2 nd wk/Nov/2022	02	00	05	02	06	00	13	02	15
	Total	02	2			4	0	10	4	12	0	26	4	30

Discipline – Plant protection

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
Integrated Pest Management	Concept, Principal and method of Biological control of insect pest and diseases.	1	1	On	2 nd Week of Aug. 2022	4	2	5	2	5	2	14	6	20
Total		01	1	-	-	4	2	5	2	5	2	14	6	20

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other			M	F	T	
		M	F	T	M	F	T	M	F	T				
I. Crop Production														
Weed Management														
Resource Conservation Technologies														
Cropping Systems														
Crop Diversification	5	15	10	25	15	10	25	40	10	50	70	30	100	
Integrated Farming														
Water management														
Seed production	1	3	2	5	3	2	5	8	2	10	14	6	20	
Nursery management														
Integrated Crop Management	1	3	2	5	3	2	5	8	2	10	14	6	20	
Fodder production														
Production of organic inputs														
Others, (cultivation of crops)														
TOTAL	7	21	14	35	21	14	35	56	14	70	98	42	140	
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management														
Water management														
Enterprise development	1	2	2	4	4	2	6	8	2	10	14	6	20	
Skill development														
Yield increment														
Production of low volume and high value crops														
Off-season vegetables	1	2	2	4	4	2	6	8	2	10	14	6	20	
Nursery raising														
Exotic vegetables like Broccoli														

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other			M	F	T	
		M	F	T	M	F	T	M	F	T				
Export potential vegetables														
Grading and standardization														
Protective cultivation (Green Houses, Shade Net etc.)														
Cultivation of Vegetable	1	3	2	5	3	2	5	8	2	10	14	6	20	
TOTAL	3	7	6	13	11	6	17	24	6	30	42	18	60	
b) Fruits														
Training and Pruning														
Layout and Management of Orchards														
Cultivation of Fruit	1	3	2	5	3	2	5	8	2	10	14	6	20	
Management of young plants/orchards														
Rejuvenation of old orchards														
Export potential fruits														
Micro irrigation systems of orchards														
Plant propagation techniques	1	4	4	8	2	3	5	5	2	7	11	9	20	
Others, if any(INM)														
TOTAL	2	7	6	13	5	5	10	13	4	17	25	15	40	
c) Ornamental Plants														
Nursery Management														
Management of potted plants	1	2	3	5	3	3	6	4	5	9	9	11	20	
Export potential of ornamental plants														
Propagation techniques of Ornamental Plants														
Others, if any														
TOTAL	1	2	3	5	3	3	6	4	5	9	9	11	20	
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	1	3	2	5	4	1	5	7	3	10	14	6	20	
Processing and value addition														
Others, if any														
TOTAL	1	3	2	5	4	1	5	7	3	10	14	6	20	
g) Medicinal and Aromatic Plants														
Nursery management														
Production and management technology	1	2	3	5	3	3	6	4	5	9	9	11	20	
Post harvest technology and value addition														
Others, if any														
TOTAL	1	2	3	5	3	3	6	4	5	9	9	11	20	

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
III. Soil Health and Fertility Management													
Soil fertility Management	7	14	7	21	35	42	77	28	14	42	77	63	140
Soil and Water Conservation													
Integrated Nutrient Management	2	4	2	6	10	12	22	8	4	12	22	18	40
Production and use of organic inputs	4	8	4	12	20	24	44	16	8	24	44	36	80
Management of Problematic soils	2	4	2	6	10	12	22	8	4	12	22	18	40
Micro nutrient deficiency in crops	4	8	4	12	20	24	44	16	8	24	44	36	80
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	19	38	19	57	95	114	209	76	38	114	209	171	380
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	1	3	2	5	3	2	5	8	2	10	14	6	20
Feed management	1	3	2	5	2	3	5	6	4	10	11	9	20
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL	2	6	4	10	5	5	10	14	6	20	25	15	40
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	1	0	7	7	0	7	7	0	6	6	0	20	20
Rural Crafts													
Capacity building													
Women and child care													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other			M	F	T
		M	F	T	M	F	T	M	F	T			
Others, if any													
TOTAL	1	0	7	7	0	7	7	0	6	6	0	20	20
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	2	2	4	6	5	11	7	3	10	15	10	25
Use of Plastics in farming practices	1	2	2	4	6	5	11	7	3	10	15	10	25
Production of small tools and implements	2	4	0	4	10	0	10	26	0	26	40	0	40
Repair and maintenance of farm machinery and implements	2	4	0	4	10	0	10	26	0	26	40	0	40
Small scale processing and value addition	1	2	0	2	5	0	5	13	0	13	20	0	20
Post Harvest Technology	1	2	0	2	5	0	5	13	0	13	20	0	20
Soil and water conservation practices	1	2	2	4	6	5	11	7	3	10	15	10	25
TOTAL	9	18	6	24	48	15	63	99	9	108	165	30	195
VII. Plant Protection													
Integrated Pest Management	5	15	15	30	20	15	35	15	20	35	50	50	100
Integrated Disease Management	5	15	15	30	20	15	35	15	20	35	50	50	100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	10	30	30	60	40	30	70	30	40	70	100	100	200
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other			M	F	T
		M	F	T	M	F	T	M	F	T			
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development	1	3	2	5	3	2	5	8	2	10	14	6	20
Group dynamics	1	3	2	5	3	2	5	8	2	10	14	6	20
Formation and Management of SHGs	3	9	6	15	9	6	15	24	6	30	42	18	60
Mobilization of social capital	1	3	2	5	3	2	5	8	2	10	14	6	20
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Capacity building for ICT application	2	6	4	10	6	4	10	16	4	20	28	12	40
TOTAL	8	24	16	40	24	16	40	64	16	80	112	48	160
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	64	158	116	274	259	219	478	391	152	543	808	487	1295

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other			M	F	T
		M	F	T	M	F	T	M	F	T			
Mushroom Production	1	2	1	3	3	2	5	4	3	7	9	6	15
Bee-keeping	2	8	4	12	10	4	14	10	4	14	28	12	40
Integrated farming													
Seed production	2	4	2	6	4	4	8	12	4	16	20	10	30
Production of organic inputs													
Planting material production													
Vermi-culture	1	2	1	3	2	2	4	6	2	8	10	5	15
Sericulture													
Protected cultivation of vegetable crops	1	2	1	3	2	1	3	6	3	9	10	5	15
Commercial fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other			M	F	T
		M	F	T	M	F	T	M	F	T			
production													
Repair and maintenance of farm machinery and implements	2	4	0	4	10	0	10	16	0	16	30	0	30
Nursery Management of Horticulture crops	1	3	1	4	2	1	3	4	4	8	9	6	15
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													
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													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2	6	2	8	8	4	12	13	2	15	27	8	35
Others if any (ICT application in agriculture)	1	2	1	3	3	2	5	4	3	7	9	6	15
Soil and water testing	1	2	1	3	5	6	11	4	2	6	11	9	20
TOTAL	14	35	14	49	49	26	75	79	27	106	163	67	230

Extension functionalities

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	3	2	5	3	2	5	8	2	10	14	6	20
Integrated Pest Management	1	4	2	6	5	2	7	5	2	7	14	6	20
Integrated Nutrient management	1	3	2	5	3	2	5	8	2	10	14	6	20
Rejuvenation of old orchards													
Value addition	1	2	1	3	8	2	10	9	3	12	19	6	25
Protected cultivation technology	1	3	2	5	2	2	4	4	2	6	9	6	15
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	3	2	5	3	2	5	8	2	10	14	6	20
Care and maintenance of farm machinery and implements	1	2	0	2	5	2	7	6	0	6	13	2	15
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Water Management	1	2	0	2	5	2	7	6	0	6	13	2	15
TOTAL	8	22	11	33	34	16	50	54	13	67	110	40	150

4. Frontline demonstration to be conducted*

Discipline – Agronomy

Crop: Paddy, Wheat, Mustard

Thrust Area: Yield enhancement in per unit area.

Thematic Area: Production Management

Season: Kharif and Rabi

Farming Situation: Rain fed and irrigated

Sl. No.	Crop variety & / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy, Var-B-11	2	Macro nutrient + (Mancozeb + Carbandizem)	No of tiller, grain No, Yield, Disease	Seed, (Mancozeb + Carbandizem), ppc	7000.00	5000.00	2	1	2	1	8	2	12	4	16
2	Wheat, Var-PBW-343	2	Macro nutrient + (Mancozeb + Carbandizem)	No of tiller, grain No, Yield, Disease	Seed, (Mancozeb + Carbandizem), ppc	7000.00	5000.00	2	1	2	1	8	2	12	4	16
3	Mustard, Var-NC-1/Mali	2	Boron 2gm/lit	No of branch, No of pod, Yield	Seed, Boron, ppc	7000.00	5000.00	2	1	2	1	8	2	12	4	16

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 package on Paddy, Wheat, Mustard	03	Farmers and Ext. Personal	1	KVK, Karasai Enyta On and Off	6	3	6	3	24	6	36	12	48
Field days	Evaluation and assessment	03	Farmers and Ext. Personal	1	KVK, Karasai Enyta, On and Off	7	3	12	3	34	6	53	12	65

Discipline – Horticulture

Crop: Bitter gourd, Cabbage, Cauliflower, Onion, Marigold

Thrust Area: Poor yield

Thematic Area: Nutrient Management, Organic cultivation, Kharif onion cultivation, Flower cultivation

Season: Kharif and Rabi

Farming Situation: Irrigation and rainfed

Sl. No.	Crop & variety	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	Bitter gourd	0.5	Application of PGRs in bitter gourd	Yield, B:C ratio	Seeds and PGRs	142500	131250	2	3	10	0	12	3	24	6	30
2	Cabbage, Cauliflower	0.5	Organic vegetable cultivation	Yield, B:C ratio	Seedling	93750	82500	3	2	6	4	8	7	17	13	30
3	Onion	0.5	Kharif onion cultivation	Yield	Seed	157500	145500	3	2	5	10	6	4	14	16	30
4	Marigold (Local Variety)	0.5	Marigold cultivation	Yield	Cuttings	157500	145500	3	2	5	10	6	4	14	16	30

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	Application of PGRs in bitter gourd	1	PF	1 Day	Off	2	3	10	0	12	3	24	6	30
Training	Organic vegetable cultivation	1	PF	1 Day	Off	3	2	6	4	8	7	17	13	30
Training	Kharif onion cultivation	1	PF	1 Day	Off	3	2	5	10	6	4	14	16	30
Training	Marigold cultivation	1	PF	1 Day	Off	3	2	5	10	6	4	14	16	30

Discipline – Plant protection

Crop: Paddy, Bottle guard, Potato

Thrust Area: IDM & IPM

Thematic Area: Awareness about improved package & practices of Crop & Veg., other Horticultural crops, Livestock and fish production for better return

Season: Kharif and Rabi

Farming Situation: Rain fed Farming

Sl. No.	Crop & variety	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy, MTU 7029/ PPC	02 ha./ 07 Units	Control of Blast disease of Paddy	% of disease infestation, Efficacy of pesticides, yield	Fungicide	35000 /ha.	32000/ha.	1	1	2	2	2	2	5	5	10
2	Brinjal, High yielding /PPC	02 ha./ 07 Units	Control of Brinjal Fruit and shoot Borer	% of Pest infestation, Efficacy of pesticides, yield	Insecticides	120000 /ha.	110000/ha.	1	1	2	2	2	2	5	5	10
3	Mustard, Kesari Gold/PPC	02 ha./ 07 Units	Control of aphid in Mustard	% of Pest infestation, Efficacy of pesticides, yield	Insecticides	70000 /ha.	60000/ha.	1	1	1	1	3	3	5	5	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Control of Blast disease of Paddy.	01	Practicing Farmers	01 day	On	01	01	02	02	02	02	05	05	10
Field Days	Effect of technology for controlling Blast of Paddy.	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50

Training	Control of Brinjal Fruit and shoot Borer	01	Do	01 day	On	01	01	02	02	02	02	05	05	10
Field Days	Effect of technology for controlling Brinjal Fruit and shoot Borer,	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50
Training	Control of aphid in Mustard.	01	Do	01 day	On	01	01	01	01	03	03	05	05	10
Field Days	Effect of technology for controlling aphid in Mustard.	02	Do	02 days	Off	04	08	04	10	08	16	16	34	50

Discipline – Agril. Engineering

Crop: Paddy

Thrust Area: Small Farm mechanization

Thematic Area: Care and maintenance of paddy production machinery and implements

Season: Kharif/Rabi/Summer

Farming Situation: Medium and low land of Jhargram district

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Paddy	1.0	conoweeder	Field capacity Labour reduction Cost reduction	Seed, FIM on Hiring	24360	31610	02	00	05	01	07	00	14	01	15
2.	Paddy	1.0	Paddy transplanters	Field capacity Labour reduction Cost reduction	Seed, FIM on Hiring	27935	31610	01	00	05	00	08	00	14	00	14

3.	Groundnut	1.0	Groundnut Stripper cum Decorticator	Field capacity Labour reduction Cost reduction	Seed, FIM on Hiring	42875	31610	01	00	05	00	08	00	14	00	14
4.	Sprayer	2.0	Battery operated Sprayer	Field capacity Labour reduction Cost reduction	Seed, FIM on Hiring	24350	31610	03	01	05	00	00	00	08	01	09
	Total	5.0						07	01	20	01	23	00	50	02	52

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Use and maintenance of Paddy production machinery	01	PF/PFW/Ry	02	On	05	02	07	03	05	00	17	05	22
Training	Production of mat type paddy nursery	04	PF/PFW/Ry	02	Off	04	02	09	05	10	03	23	10	33
Training	Operation And Maintenance of improved farm implements and machinery	02	PF/PFW/Ry	02	On	05	02	07	03	05	00	17	05	22
Field Days	Mat type nursery, Power Reaper, Paddy transplanters and zero tillage	04	PF/PFW/EF	06	Off	07	03	12	10	10	05	29	18	47

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.)
Seedlings	HYV	June 2022- January-2023	.04	Quality Veg. & Flower Seedlings	50,000 No.	25,000.00	40,000.00	15,000.00
Saplings	Improved	Do	Do	Quality saplings of different fruit plants	1500	30000.00	45000.00	15000.00

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From..... to	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	MTU-7029	July2022- Decembar2022	02	10	TL	40	100000.00	150000.00	50000.00
Ground - nut	TAG-24 & TAG-51	Nov2022- Feb2023	02	30	TL	40	120000.00	200000.00	80000.00

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	17	199	183	382	48	05	02	07	204	185	389
2.	KisanMela	1	250	245	495	45	25	05	30	275	250	525
3.	KisanGhoshi											
4.	Exhibition											
5.	Film Show											
6.	Method Demonstrations	14	170	80	250	68	02	01	03	172	81	253
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings											
10.	Lectures delivered as resource persons	15	25	27	52	50				25	27	52
11.	Advisory Services	100	112	55	167	55				112	55	167
12.	Scientific visit to farmers field	60	125	75	200	56	05	01	06	130	76	206
13.	Farmers visit to KVK	155	250	210	460	50				250	210	460
14.	Diagnostic visits	15	65	35	100	60	01	01	02	66	36	102
15.	Exposure visits	2	52	28	80	52	02	01	03	54	29	83
16.	Ex-trainees Sammelan	1	35	25	60	50				35	25	60
17.	Soil health Camp											
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	5		55	55	50	01	01	02	01	56	57
23.	MahilaMandals Conveners meetings											
24.	Celebration of important days (specify)	4	45	22	67	35				45	22	67
25.	Sankalp Se Siddhi	1	55	35	90	50	01		01	55	36	91
26.	Swatchta Hi Sewa											
27.	Mahila Kisan Diwas	1	0	35	35	62				0	35	35
28.	Any Other (Specify)											
	Total	391	1383	1110	2493	669	42	12	54	1424	1123	2541

7. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022-2023	Expected Return
<ul style="list-style-type: none">Cash = 1,22,659.47Kind = 25,700.00	Nil	Nil

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
ATMA, Jhargram	PD ATMA, Jhargram	5,00,000.00	On Station Trial, Researchable Activities
RKVY	Govt. of West Bengal	10,00,000.00	On Station Trial, Researchable Activities

9. On-farm trials to be conducted*

ON FARM TESTING – 1 (Agronomy)

Season	Rabi Season
Title of OFT	Control of Stem Rot in Ground-nut
Thematic area	IDM
Problem Diagnosed	Yield loss in Ground-nut due to severe attack of stem rot
Important Causes	Attack of Stem Rot
Production System	Rice – Oilseeds / Vegetables
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different fungicides to control the disease
Existing practice	Application of fungicide as per directives of the local input dealers
Hypotheses	Low yield of Ground-nut
Objectives	To control the Disease effectively and enhance the yield of Ground-nut
Treatments	<p>Farmers practice: Application of fungicide as per directives of the local input dealers</p> <p>Technology Option-I: Seed treatment with (Carbendazim 12 % + Mancozeb 63 %) @ 3 gm. / Kg. of seed</p> <p>Technology Option-II: Seed treatment with Carbendazim 12 % + Mancozeb 63 % @ 3 gm. / Kg. of seed</p> <p>Technology Option-III: Seed treatment with Carbendazim 12 % + Mancozeb 63 % @ 3 gm. / Kg. of seed and Spraying of (Carbendazim 12 % + Mancozeb 63 %) @ 1.5 gm. + Validamycin 3% L @ 1.5 ml / lt. water after 10 days of germination of the crop.</p>
Critical inputs	Fungicides
Unit size / Plot size	400 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	% of disease infestation, efficacy of treatments, yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	AICRP (RRS, BCKV, Jhargram) and <i>Int.J.Curr.Microbiol.App.Sci</i> (2020) 9(12): 3587-3601

ON FARM TESTING – 2 (Agronomy)

Season	Rabi-2022
Title of OFT	Effect of different doses of Boron on the grain yield of Wheat during Rabi season
Thematic area	Nutrient management
Problem Diagnosed	Low yield of Wheat
Important Causes	Low production due to different growth substances deficiency
Production System	Wheat-Vegetables-Paddy
Micro farming system	Irrigated Medium land
Technology for testing	Borax application
Existing practice	Use of FYM.and NPK
Hypotheses	Poor yield of Wheat in Rabi season
Objectives	To assess the yield to use of Wheat and enhance the yield of Wheat
Treatments	Farmers Practice (FP: Farm Yard Manure 5 ton/ ha Technology option-I (TO-I): Spraying of Borax @ 2gm/lit, at 21and 42 DAS Technology option-II (TO-II: Spraying of Borax @ 3gm/lit, at 42 DAS
Critical inputs	Seed, Borax, Seed and PPC
Unit size	500 sqmt / plot
No. of Replications	10 farmers (3 plot each)
Unit cost	Rs. 1000/-/Plot
Total cost	Rs. 15,000/-
Monitoring indicators	Av. Plant height, No of tiller, No of effective grain/panicle, Av yield per ha. Net return per unit area and Benefit cost ratio
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	SAU

ON FARM TESTING – 3 (Horticulture)

Sl. No.	Season: Kharif
i.	Title of the OFT: Assessment of varietal performance of Sweet Potato (<i>Ipomoea batatas</i>) in the red and lateritic zone of Jhargram.
ii.	Thematic Area: Varietal Performance
iii.	Problem diagnosed: Less Profit
iv.	Important Cause: Low yield
v.	Production system: Cultivation of local variety
vi.	Micro farming system: Irrigation
vii.	Technology for Testing: Varietal trial
viii.	Existing Practice: Cultivation of local variety
ix.	Hypothesis: Better yield
x.	Objective(s): To get more profit
xi.	Treatments: Farmers Practice (FP): Cultivation of local variety Technology option-I: Cultivation of the variety ‘Kishan’ Technology option-II: Cultivation of the variety ‘BidhanJagannath’ Technology option-III: Cultivation of the variety ‘BCSP-14’ Technology option-IV: Cultivation of the variety ‘Kamala Sundari’
xii.	Critical Inputs: Cuttings
xiii.	Unit Size: 720sq .ft
xiv.	No of Replications: 10 farmers Design: RBD
xv.	Unit Cost: Rs. 1000/-
xvi.	Total Cost: Rs. 10,000/-
xvii.	Monitoring Indicator: Vine vigor, Root yield per plant, Av. Root yield per ha., Net return per unit area and Benefit cost ratio.
xviii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): Bireswar Sinha and J. Tarafdar (2007) Morphological comparison of some sweetpotato cultivars and its susceptibility to sweet potato viruses and its transmission by tubers and cuttings. Environment and Ecology, 255(3): 659-661

ON FARM TESTING – 4 (Horticulture)

Sl. No.	Season: Rabi
i.	Title of the OFT: Assessment of varietal performance of Gladiolus (<i>Gladiolus sp.</i>) in the red and lateritic zone of Jhargram in rabi season.
ii.	Thematic Area: Varietal Performance
iii.	Problem diagnosed: Poor quality produce
iv.	Important Cause: Poor quality of flowers
v.	Production system: Cultivation of local variety
vi.	Micro farming system: Irrigation
vii.	Technology for Testing: Varietal trial
viii.	Existing Practice: Cultivation of local variety
ix.	Hypothesis: Better quality of flowers
x.	Objective(s): To produce better quality produce
xi.	Treatments: Farmers Practice (FP): Cultivation of local variety Technology option-I: Cultivation of the variety ‘Candyman’ Technology option-II: Cultivation of the variety ‘Pacifica Beauty’ Technology option-III: Cultivation of the variety ‘Summer sunshine’
xii.	Critical Inputs: Corm
xiii.	Unit Size: 720 sq .ft
xiv.	No of Replications: 10 farmers Design: RBD
xv.	Unit Cost: Rs. 3000/-
xvi.	Total Cost: Rs. 30,000/-
xvii.	Monitoring Indicator: Av. Height of stick, No of florets/stick, Av. yield per ha, Net return per unit area and Benefit cost ratio.
xviii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): Kumar Sunil et al. (2013) Evaluation of gladiolus (<i>Gladiolus hybrida</i>) cultivars for flower and corm production under Pasighat (Arunachal Pradesh) condition. Current Horticulture. 1(2): 16-20

ON FARM TESTING – 5 (Plant Protection)

Season	Summer
Title of OFT	Control of Fruit Flies in Ridge Guard by using different Pesticides
Thematic area	IPM
Problem Diagnosed	Damage of Ridge Guard due to severe attack of Fruit Flies
Important Causes	Attack of Fruit Flies
Production System	Rice – Vegetables,
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different pesticides to control the Fruit Flies
Existing practice	Application of different pesticides as per directives of the local input dealers
Hypotheses	Low yield of fresh ridge guard
Objectives	To control the Pest effectively and enhance the yield of fresh ridge guard
Treatments	<p>Farmers practice: Application of different pesticides as per directives of the local input dealers</p> <p>Technology Option-I: Application of Spinosad 45 SC @ 0.25 ml. / lt. water at 10 days interval during fruiting season.</p> <p>Technology Option-II: Application of Emamectin benzoate 5 SG @ 1 gm / lt. water at 10 days interval during fruiting season.</p> <p>Technology Option-III: Application of Deltamethrin 2.8 EC @ 1.25 ml. / lt. water at 10 days interval during fruiting season.</p>
Critical inputs	Pesticides
Unit size / Plot size	200 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	% of pest infestation, efficacy of treatments, yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	International Journal of Chemical Studies 2018; 6(5): 2428-2432

ON FARM TESTING – 6 (Plant Protection)

Season	Rabi Season
Title of OFT	Control of Leaf Minor in Ground-nut by using different insecticides
Thematic area	IPM
Problem Diagnosed	Yield loss in Ground-nut due to severe attack of Leaf Minor
Important Causes	Attack of Leaf Minor
Production System	Rice – Oilseeds / Vegetables
Micro farming situation	Rain fed Medium land
Technology for testing	Application of different insecticides to control the Leaf Minor
Existing practice	Application of pesticides as per directives of the local input dealers
Hypotheses	Low yield of Ground-nut
Objectives	To control the Pest effectively for save the crops and enhance the yield of Ground-nut
Treatments	<p>Farmers practice: Application of pesticides as per directives of the local input dealers</p> <p>Technology Option-I: Application of Acephate 50% + Imidacloprid 1.8% SP @ 1 gm. / lt. water at 12 days interval starting from initial stage of attack.</p> <p>Technology Option-II: Application of Ethiprole 40% + Imidacloprid 40% WP @ 1 gm. /3 lt. water at 12 days interval starting from initial stage of attack.</p> <p>Technology Option-III: Alternate Application of Acetamiprid 20 % SP @ 1 gm. / 5 lt. water & Thiamethoxam 25 % WG @ 1 gm. / 3 lt. water at 12 days interval starting from initial stage of attack.</p>
Critical inputs	Seed and insecticides
Unit size / Plot size	200 sq .mt / plot,
No. of Replications	10 farmers (4 plot of each farmer)
Design	RBD
Unit cost	Rs. 400/-
Total cost	Rs. 16,000/-
Monitoring indicators	% of pest infestation, efficacy of treatments, yield per ha. Net return per unit area and Benefit cost ratio
Source of technology	AICRP (RRS, BCKV, Jhargram)

ON FARM TESTING – 7 (AGRIL ENGG)

Season	<i>Rabi- summer -2022</i>
Title of OFT	Effect of Mechanical Transplanting on Growth and Yield of Paddy Cultivation in Medium Low Land of Jhargram, district
Thematic area	Conservation Tillage Technology
Problem Diagnosed	Loss of natural resources, higher input cost of cultivation
Important Causes	Transplanting practices is laborious ,time consuming and capital intensive process
Production System	Rain fed rice based small production System
Micro farming situation	Medium land
Technology for testing	Self Propelled 4 Row Rice Transplanter
Existing practice	Transplanting on puddle soil, weeding by manual
Hypotheses	Transplanting by self propelled paddy transplanters will reduce the cost of cultivation and protect soil profile for following crops
Objectives	To protect the natural resource and to provide economic leverage
Treatments	Farmers Practice (FP): Conventional- tillage puddling and manual transplanting and weeding Technology option-I (TO-I): Puddling by conventional tillage and transplanting by paddy transplanter and weeding chemical or mechanical Technology option-II (TO-II): Wet land transplanting weeding by chemical or mechanical
Critical inputs	Paddy Transplanters, mat type nursery raising,conoweeder,weedicides, seeds
Unit size / Plot size	200m./Plot
No. of Replications	10
Design	
Unit cost	Rs.2000/ Farmer
Total cost	Rs.20000/-
Monitoring indicators	Fuel consumption/ha, labour requirement man hour/ha on land preparation, transplanting and weeding, cost of land preparation, transplanting weeding, yield and yield attributes, economic productivity B:C Ratio
Source of technology	Prabhat Kumar Guru et-all. Oryza Vol.55 No.1,2018(100-106)

ON FARM TESTING – 8 (AGRIL ENGG)

Season	Rabi 2022
Title of OFT	Assessment of Performance of Zero Tillage Machines in Medium Land of Red and Lateritic Soil of Jhargram district
Thematic area	Conservation tillage technology
Problem Diagnosed	Medium land remains fallow after kharif paddy cultivation
Important Causes	Lack of availability of conservation tillage technology, lack of judicious use of residual moisture, high input cost
Production System	Rice based Production System.
Micro farming situation	Medium land
Technology for testing	Zero tillage machines.
Existing practice	Fallow land.
Hypotheses	By using zero tillage medium land be brought under doubled cropping area
Objectives	To ensure double cropping of medium land and provide economic leverage
Treatments	Farmers Practice (FP): Fallow or mustard crop by conventional tillage and broad casting Technology option-I (TO-I): crop cultivation through zero tillage machines Technology option-II (TO-II): crop cultivation by direct conventional tillage behind sowing
Critical inputs	Zero tillage machine trailed by 35 bhp tractor, seeds
Unit size / Plot size	100m ² /Plot
No. of Replications	10
Design	
Unit cost	Rs.2000/farmer
Total cost	Rs. 20000/
Monitoring indicators	Efficiency, labour saving yield attributes, Yield in qt. B.C ratio
Source of technology	Performance of zero tillage ferti seed drill in comparision to conventional and reduced tillage Dr. Pappu Singh et-all, International Journal of Scientific and Research Publication, volume4, issue 8, june2014

ON FARM TESTING – 9 (Agril. Extension)

Sl. No.	Season: Rabi
i.	Title of the OFT: Assessment of different planting time for better market price of Cauliflower.
ii.	Season & Year: Rabi 2022
iii.	No of Trials & Village: 10 farmers each .05 ha (0.5 ha)
iv.	Crop and commodity : Cauliflower
v.	Farming Situation: Upland Irrigated, Rice –Vegetable
vi.	Problem diagnose: Distress sale of Cauliflower in rabi season.
Vii.	Treatments: Farmers Practice (FP): Farmers generally plant the seedling in the month of October Technology option-I: Planting of seedling 1month before onset of normal planting period. Technology option-II: Planting of seedling 1month after onset of normal planting period.
Viii	Source: International Journal of Agricultural Research Innovation, www.ijarit.webs
Ix	Characteristics of technology: 1. Advancing of planting time by 1 month to help in capturing higher market price in initial period. 2. Delaying of planting by 1 month to help in capturing higher market price.
X	Observation Parameter: Plant height, No of fruit/plant, Fruit weight, Fruit Weight, Disease and Pest incidence, Market Price
Xi	Performance indicator: Yield/Ha, B:C Ratio and Economics.

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.	ATMA, Jhargram	5,00,000.00

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
Nil	Second week of March 2022

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	200	25	30	90	50	70	60	185	140	325	40	100
Water Samples	10	-	-	10	0	10	0	20	0	20	5	-
Other (Please specify)												
Total	210	25	30	100	0	80	60	205	140	345	45	100

14. Fund requirement and expenditure (Rs.)*

Sl. No.	Item of Expenditure	Actual Expenditure (last year) up to 31.03.2022 (Rs.)	Expected Fund Requirement from 01.04.2021 to 31.03.2022	Recommended by BE/SMD	
A.	RECURRING:				
	Pay & Allowances	1,04,09,644.00	1,90,00,000.00		
	TA/DA	1,00,000.00	1,50,000.00		
	H.R.D.	30,000.00	50,000.00		
	Contingencies:				
	(a) Stationary, Telephone, Electricity, etc.	2,60,000.00	4,00,000.00		
	(b) POL, Repairing of Vehicle/Tractor, etc.		2,00,000.00		
	(c) Trg. of Farmers/Farm Women		1,00,000.00		
	(d) Trg. of Rural Youth		1,00,000.00		
	(e) Training of Extn. Functionaries		50,000.00		
	(f) Training Material		1,00,000.00		
	(g) On-farm Testing		1,20,000.00		
	(h) Front Line Demonstration		2,00,000.00		
	(i) Maintenance of Building		4,00,000.00	10,00,000.00	
	(j)SCSP		14,00,000.00	18,00,000.00	
	(k) Soil & Water Testing Lab	-	3,00,000.00		
	Total (A)	1,25,99,644.00	6,47,00,000.00		
B.	NON-RECURRING:				
	Boundary Wall	-	60,00,000.00		
	Equipments/Furniture	2,50,000.00	3,00,000.00		
	Library	10,000.00	1,00,000.00		
	Extn. of Admn. Building (200 sqm.)	-	30,00,000.00		
	Farmers' Hostel (300 sqm.)	-	65,00,000.00		
	Staff Quarter (400 sqm.)	-	1,00,00,000.00		
	Vehicle & Implementation Shed	-	15,00,000.00		
	New Vehicle	-	-		
	Road Formation	-	30,00,000.00		
	Work (Admin Building)	57,00,000.00	80,00,000.00		
	TOTAL (B):	59,10,000.00	3,84,00,000.00		
	GRAND TOTAL (A+B):	1,85,09,644.00	10,31,00,000.00		

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data

**Sr. Scientist & Head
Jhargram KVK**