

# KRISHI VIGYAN KENDRA, KATIHAR

(Bihar Agricultural University, Sabour)

## ACTION PLAN, 2022

### GENERAL INFORMATION ABOUT THE KVK

#### Introduction:

Name of the KVK: KVK, Katihar

Address	Mobile	E mail
KRISHI VIGYAN KENDRA, TINGACHHIYA, KATIHAR, PIN-854105	9931312288	<a href="mailto:katiharkvk@gmail.com">katiharkvk@gmail.com</a>

#### 2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur, Bihar	0641- 2452606	0641-2452614	vcbausabour@gmail.com

### Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist & Head	Dr. Reeta Singh	Sr. Scientist & head	Permanent	OBC
2	Subject Matter Specialist	Dr. Sushil Kumar Singh	Subject Matter Specialist	Permanent	OBC
3	Subject Matter Specialist	Smt. Nandita Kumari	Subject Matter Specialist	Permanent	OBC
4	Subject Matter Specialist	Dr. Kamleshwari Prasad Singh	Subject Matter Specialist	Permanent	OBC
5	Subject Matter Specialist	Sri Pankaj Kumar	Subject Matter Specialist	Permanent	EBC

6	Subject Matter Specialist	Smt. Sweeti Kumari	Subject Matter Specialist	Temporary	OBC
7	Programme Assistant	Smt. Swarn Prabha Reddy	Programme Assistant (Lab. Tech)	Permanent	OBC
8	Computer Programmer	Sri Amarendra Kumar Vikas	Programme Assistant (Computer)	Permanent	Gen
9	Farm Manager	Sri Om Prakash Bharti	Farm Manager	Permanent	EBC
10	Accountant / Superintendent	Sri Mukesh Kumar	Assistant	Permanent	EBC
11	Stenographer	Sri Biswajit Datta	Stenographer	Permanent	Gen
12	Driver	Sri Ram Jee	Driver	Permanent	OBC
13	Driver	Sri Manoj Kumar Prajapati	Driver	Permanent	Gen
14	Supporting staff	Vacant			
15	Supporting staff	Vacant			

### 3. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.50
3.	Under Crops	4.00
4.	Orchard/Agro-forestry	1.2
5.	Others	12.8
Total		20.00

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#### 4. Major farming systems/enterprises (based on the analysis made by the KVK)

S. No.	Farming system/enterprise
1.	Paddy-Wheat- Green gram
2.	Paddy-Maize- Green gram
3.	Paddy- Mustard- Boro paddy
4.	Jute- Maize- Blackgram
5.	Makhana- Mustard
6.	Mushroom Production & its Value added products
7.	Fish farming
8.	Bamboo Production & Processing
9.	Poultry production
10.	Vermi Compost production
11.	Tissue Culture Banana

#### 5. About District

DEMOGRAPHIC FEATURES	
Area (in ha.)	291349000
No. of Sub-Division	03
No. of Block	16
No. of Gram Panchayat	238
No. of Village	1543
Total Population	3071029
Population Density (per sq. km.)	1005
SC Population	263100
ST Population	179971
Sex Ratio	919
Literacy rate	52.24

Source: As per 2011 Census

## 6. Description of Agro-climatic Zone & major agro ecological situations (based on soil and Topography)

S. No	Agro-climatic Zone	Characteristics
1	Zone-II (North – East Alluvial Plain)	High Temperature, High Humidity, Sandy to clay soil, Flood Prone area

## 7. Agro ecological situation

S. No	Agro ecological situation	Characteristics
1	Up land sandy soil	Suitable for maize, wheat, Banana, vegetables & fruits
2	Medium Sandy loam soil	Wheat, Maize, Jute, Rice, Oil seeds & pulses & vegetable & fruits cultivation
3	Low lying clay soil -	With flood & water lodging condition Suitable for Boro paddy, Makhana & paira cropping Diara land of Kosi, Ganga and Mahananda
4	Loamy soil	Suitable for Rabi Maize, wheat, oil seeds pulses & cucurbitaceous vegetable flooded during Kharif Season

## 8. Soil types

S. No	Soil type	Characteristics
1	Up land sandy soil-	Suitable for Vegetables, Wheat, Maize, Banana
2	Medium Loamy Soil	Well drained rich in organic carbon suited for wheat, Maize, oil seeds , Pulses & vegetables
3	Low lying clay soils	Suitable for Makhana, Boro paddy & fishery
4	New alluvial Diara land soil	Deposition of clay soil year after year good for Rabi crops.

## 9. Area, Production and Productivity of major crops cultivated in the district

Name of Crops	Productivity(q/ha)
Rice	31.00
Maize	72.00
Wheat	33.00
Mustard	12.00
Makhana	20.00
Lentil	10.80
Potato	535.36
Okra	200.79
Jute (Fibre)	22.0
Cauliflower	250.69
Brinjal	600.80
Banana	352.00
Tomato	315.79
Cabbage	289.90
Chili	21.60
Mango	103.90
Guava	114.00
Litchi	150.58
Onion	400.86

Source: DAO Office, katihar

## 10. Details of operational area / villages

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Katihar	Korha	Bahrkhal	Vegetable Banana Paddy Maize Oil Seeds	Lack of high yielding varieties, pest & diseases control	Varietal Improvement, Promotion of IPM Practices
2.		Korha	Rautara	Makhana, Wheat, Paddy , Maize, Vegetables	Lack of high yielding varieties, Pest & Disease control, Enterprise development	Varietal Improvement, Promotion of IPM Practices Promotion of Banana Makhana based farming system and jute cultivation
3.		Dandkhora	Sihla	Maize, Pulses, Paddy, Wheat, Vegetables	Lack of high yielding variety, pest & diseases control, INM, Enterprise development	Mushroom Cultivation, Preservation of Fruits, Varietal Improvement,
4.		Mansahi	Dumariya Bishanpur	Vegetable Banana, Oil Seeds Maize	Lack of high yielding variety, pest & diseases control, INM	Varietal Improvement, Promotion of IPM Practices Promotion of INM Practices
5.		Katihar	Sirsa	Vegetable Oil Seeds Maize	Lack of high yielding varieties, pest & diseases control	Varietal Improvement, Promotion of IPM Practices Promotion of Banana Makhana based farming system and jute cultivation

## 11. Priority thrust areas

S. No	Thrust area
1.	Development of Suitable cropping system for Diara and Tal land of the district
2.	Soil test based nutrition management in crops of the district
3.	Implementation of various women's programmes for Entrepreneurship development and Food security
4.	Drudgery reduction of Women involved in various Agricultural operations
5.	Development of Entrepreneurship through Agriculture and allied sector
6.	Promotion of Banana, Jute and Makhana based farming system
7.	Awareness and adoption of Integrated farming system for the district.
8.	Technology dissemination through production and supply of seed and planting materials

## 12. Training program to be organized (January 2022 to December 2022)

### 1. Home Science

Thematic Area	Title of Training	Qr. No.	Duration	Venue OFF/On Campus	Tentative Date	Participants/Trainees								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>Practicing Farmer</b>														
Income Generation	Mushroom Production and its value added products	1	2	On/Off	3-4.01.2022	0	3	0	2	0	20	0	25	25
PHT	Storage loss minimization techniques	1	1	On/Off	8.01.2022	0	3	0	2	0	20	0	25	25
Capacity building	Formation and management of SHGs	1	2	On/Off	05-06-02.2022	0	3	0	2	0	20	0	25	25
Food Security	Household food security by kitchen gardening and nutrition gardening	1	2	On/Off	26-27.02.2022	0	3	0	2	0	20	0	25	25

Gender mainstreaming	Gender mainstreaming and formation of SHGs	1	2	OFF	18-19.03.2022	0	2	0	3	0	20	0	25	25
Drudgery reduction	Location specific drudgery reduction technologies	1	3	OFF	29-31.03.2022	0	2	0	3	0	20	0	25	25
Enterprise development	Enterprise development techniques	2	2	On/Off	03-03.04.2022	0	3	0	2	0	20	0	25	25
PHT	Processing and preservation of seasonal fruits and vegetables	2	2	On/Off	21-22.04.2022	0	3	0	2	0	20	0	25	25
Drudgery reduction	Location specific drudgery reduction technologies in Agriculture	2	2	On/Off	05-06.05.2022	0	3	0	2	0	20	0	25	25
Value addition	Preservation of seasonal fruits and vegetables	2	2	On/Off	19-20.05.2022	0	3	0	2	0	20	0	25	25
Women and child care	Importance and use of balanced diet for children and women.	3	2	On/Off	03-04.06.2022	0	3	0	2	0	20	0	25	25
Value addition	Preservation of seasonal fruits and vegetables	3	2	On/Off	23-24.06.2022	0	2	0	3	0	20	0	25	25
Value addition	Makhana and its value added products	3	2	On/Off	08-09.07.2022	0	2	0	3	0	20	0	25	25
Income generation	Income generation activities in SHGS	3	2	On/Off	28-29.07.2022	0	3	0	2	0	20	0	25	25



Women and child care	Importance and use of balanced diet for children and women.	3	1	On/Off	04-05.08.2022	0	3	0	2	0	20	0	25	25
Enterprise development	Enterprise development through Mushroom cultivation	3	2	On/Off	18-19.08.2022	0	3	0	2	0	20	0	25	25
Household food security by kitchen gardening	Importance of Nutritional Kitchen gardening and management	4	2	On/Off	03-04.09.2022	0	3	0	2	0	20	0	25	25
Enterprise development	Enterprise development through Mushroom cultivation	4	2	On/Off	16-17.09.2022	0	3	0	2	0	20	0	25	25
Enterprise development	Enterprise development through Mushroom cultivation	4	2	On/Off	05-06.10.2022	0	3	0	2	0	20	0	25	25
Household food security by kitchen gardening	Importance of Nutritional Kitchen gardening and management	4	2	On/Off	19-20.10.2022	0	3	0	2	0	20	0	25	25
Food security	Storage loss minimization techniques	4	2	On/Off	02-03.11.2022	0	3	0	2	0	20	0	25	25
Drudgery reduction	Introduction of women friendly equipment's in Agricultural operations	4	2	On/Off	15-16.12.2022	0	3	0	2	0	20	0	25	25

## Rural Youth

Post Harvest Technology	Makhana and its value added products	1	4	ON/OFF	10-13.02.2022	-	3	-	2	-	20	-	25	25
Nutritional Security	Nutritional security through Mushroom and its value added products	2	4	ON/OFF	23-26.05.2022	-	3	-	2	-	20	-	25	25
Value Addition	Mushroom and its value added products	3	4	ON/OFF	27-30.08.2022	-	3	-	2	-	20	-	25	25
Storage loss Minimization	Storage loss Minimization techniques	4	4	ON/OFF	04-07.10.2022	-	3	-	2	-	20	-	25	25

## Extension Functionaries

Household food security	Nutritional backyard kitchen gardening.	1	1	ON/OFF	12.03.2022	-	3	-	2	-	20	-	25	25
women empowerment	Women empowerment through Entrepreneurship development and	2	1	ON/OFF	16.04.2022	-	3	-	2	-	20	-	25	25

Value Addition	Mushroom and its value added products	3	1	ON/OFF	20.7.2022	-	3	-	2	-	20	-	25	25
Nutritional Security	Establishment of Nutritional Kitchen garden	4	1	ON/OFF	12.11.2022	-	3	-	2	-	20	-	25	25

## 2. Agronomy

Thematic Area	Title of Training	Qr. No.	Duration	Venue OFF/ On Campus	Tentative Date	Participants/Trainees								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>Practicing Farmer</b>														
Integrated crop Management	Agronomic management practices of Boro Paddy	1	1	ON/OFF	18.01.2022	7	2	1	4	9	2	17	8	25
Cropping system	Management of Rice-wheat /maize cropping system	1	1	ON/OFF	04.02.2022	9	1	1	4	8	2	18	7	25
ICM	Agronomic management practices of Jute	1	1	ON/OFF	02.03.2022	7	2	1	4	8	3	16	9	25
Crop diversification	Diversification of Rice-Wheat Cropping system	1	1	ON/OFF	17.03.2022	9	1	1	4	8	2	18	7	25
Resource conservation Technology	Cultivation of Direct Seeded Rice	2	1	ON/OFF	24.04.2022	7	2	1	4	8	3	16	9	25

Weed management	Weed management in Kharif Crops	2	1	ON/OFF	20.05.2022	8	2	1	4	8	2	17	8	25
Nursery Management	Nursery Management of Paddy	2	1	ON/OFF	03.05.2022	7	1	1	4	9	3	17	8	25
Water Management	Water management in Paddy	2	1	ON/OFF	13.06.2022	7	2	1	4	8	3	16	9	25
Seed Production	Seed Production of Wheat	2	1	ON/OFF	23.06.2022	8	1	1	4	9	2	18	7	25
Weed management	Weed management in Rabi crops	3	1	ON/OFF	03.07.2022	7	1	1	4	10	2	18	7	25
ICM	Scientific Cultivation of soyabean	3	1	ON/OFF	22.07.2022	9	1	1	4	8	2	18	7	25
Fodder management	Scientific Cultivation of fodder	3	1	ON/OFF	2.08.2022	8	2	1	4	8	2	17	8	25
Production of organic input	Production of Organic Inputs	4	1	ON/OFF	02.09.2022	9	1	1	4	8	2	18	7	25
ICM	Scientific Cultivation of mustard	4	1	ON/OFF	22.10.2022	9	1	1	4	8	2	18	7	25
Weed Management	Scientific Cultivation of Rabi pulses	4	1	ON/OFF	18.11.2022	9	1	1	4	8	2	18	7	25
Integrated farming	Development integrated farming practices	4	1	ON/OFF	29.12.2022	8	2	1	4	8	2	17	8	25
<b>Rural Youth</b>														
Storage technique	Grain storage techniques	1	4	ON/OFF	14-17.03.2022	9	1	1	4	8	2	18	7	25

Seed production	Seed Production of Paddy	2	4	ON/OFF	12-15.05.2022	7	2	1	4	8	3	16	9	25
ICM	Agronomic management practices of Maize	3	4	ON/OFF	21-23-07.2022	9	1	1	4	8	2	18	7	25
Integrated farming System	Integrated farming System	4	4	ON/OFF	10-13.10.2022	8	2	1	4	8	2	17	8	25

### Extension Functionaries

ICM	Agronomic Management practices of Jute	1	1	ON/OFF	05.03.2022	7	2	1	4	8	3	16	9	25
Productivity enhancement in field crops	Agronomic Management practices of paddy	2	1	ON/OFF	08.05.2022	9	1	1	4	8	2	18	7	25
Productivity enhancement in field crops	Sowing of Wheat by raised bed technology	3	1	ON/OFF	05.9.2022	8	2	1	4	8	2	17	8	25
Integrated farming system	Integrated farming system	4	1	ON/OFF	17.11.2022	9	1	1	4	8	2	18	7	25

# Horticulture

Thematic Area	Title of Training	Q r. N o .	Dur atio n	Venue OFF/O n Campu s	Tentativ e Date	Participants/Trainees								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>Practicing Farmer</b>														
Seed production	Nursery raising and seed production of vegetable crops	1	1	ON/OFF	09.01.2022	3	-	2	-	20	-	25	0	25
Training and Pruning	Training & pruning of Horticultural crop	1	1	ON/OFF	21.01.2022	3	-	2	-	20	-	25	0	25
INM	INM in Fruit & vegetable crops	1	1	ON/OFF	14.02.2022	2	-	3	-	20	-	25	0	25
Export potential Fruit	Scientific Cultivation of Broccole and Sproufig	1	1	ON/OFF	13.03.2022	3	-	2	-	20	-	25	0	25
Production of crop	Scientific cultivation of summer vegetable	1	1	ON/OFF	03.03.2022	5	-	-	-	20	-	25	0	25
Cultivation of Vegetable	Scientific Cultivation of Brinjal and Bhindi	2	1	ON/OFF	17.04.2022	3	-	2	-	20	-	25	0	25
Plant Propagation	Different methods of propagation	2	1	ON/OFF	27.05.2022	3	-	2	-	20	-	25	0	25
Nursery Raising	Nursery raising for summer vegetable	2	1	ON/OFF	04.06.2022	3	-	2	-	20	-	25	0	25
Layout and Management of Orchard	Establishment and management of new Orchard.	2	1	ON/OFF	14.07.2022	3	-	2	-	20	-	25	0	25

Protected cultivation	Cultivation of Vegetable under shed net and poly tunnel.	2	1	ON/OFF	05.08.2022	2	-	3	-	20	-	25	0	25
Cultivation of Cole's Crops	Scientific Cultivation of Cauliflower and Cabbage.	2	1	ON/OFF	13.08.2022	3	-	2	-	20	-	25	0	25
Disease management	IDM of vegetables	3	1	ON/OFF	16.09.2022	3	-	2	-	20	-	25	0	25
Cultivation of Fruits	Scientific cultivation of Tomato	3	1	ON/OFF	24.09.2022	5	-	-	-	20	-	25	0	25
Low volume high value crop	Cultivation of flower for income generation	3	1	ON/OFF	19.09.2022	3	-	2	-	20	-	25	0	25
Production Technology	Production and management for Medicinal, aromatic plants.	4	1	ON/OFF	22.10.2022	3	-	2	-	20	-	25	0	25
Seed production	Seed production techniques of potato	4	1	ON/OFF	29.10.2022	3	-	2	-	20	-	25	0	25
Production and management	Scientific cultivation of garlic and spices crops	4	1	ON/OFF	01.10.2022	5	-	-	-	20	-	25	0	25
Production of Medicinal and Aromatic Crops	Scientific cultivation of Medicinal and Aromatic Crops	4	1	ON/OFF	03.12.2022	5	-	-	-	20	-	25	0	25

<b>Rural Youth</b>														
Commercial fruit production	Scientific Cultivation of elephant fruit	1	4	ON/OFF	10-13.02.2022	3	1	1	-	20	-	24	1	25
Commercial fruit production	Production, care and Management of Banana	2	4	ON/OFF	23-26.06.2022	3	1	1	-	20	-	24	1	25
Seed Production	Seed Production of vegetables	3	4	ON/OFF	27-30.07.2022	3	1	2	-	19	-	24	1	25
Planting Material Production	Plant Propagation techniques of fruit crops	4	4	ON/OFF	11-14.10.2022	3	1	2	0	19	-	24	1	25
<b>Extension Functionaries</b>														
ICM	Package and practices of Jute	1	1	ON/OFF	27.01.2022	-	1	2	-	22	-	24	1	25
Planting Material Production	Plant Propagation techniques in fruit crop	2	1	ON/OFF	08.06.2022	2	1	2	-	20	-	24	1	25
Crop Production	Scientific Cultivation of Cauliflower	3	1	ON/OFF	20.09.2022	6	2	1	4	7	5	14	11	25
Protected cultivation	Protected cultivation of Tomato, Simla mirch, cucumber, garden pea	4	1	ON/OFF	03.11.2022	3	1	2	-	19	-	24	1	25



### 3. Extension Education

Thematic Area	Title of Training	Qr. No.	Duration	Venue OFF/ On Campus	Tentative Date	Participants/Trainees								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
<b>Practicing Farmer</b>														
Group Dynamics	Formation and management of SHGs/JIGS	1	1	ON/OFF	20.01.2022	8	2	1	4	8	2	17	8	25
Group Dynamics	Establishment and strengthening of Farmers Club	1	1	ON/OFF	28.01.2022	9	1	1	4	8	2	18	7	25
Leadership development	Leadership development for technology dissemination	1	1	ON/OFF	19.02.2022	8	2	1	4	8	2	17	8	25
Group Dynamics	Formation and management of SHGs/JIGS	1	1	ON/OFF	09.03.2022	9	1	1	4	8	2	18	7	25
PRA	Agro ecosystem analysis of adopted village	2	2	ON/OFF	15-16.04.2022	8	2	1	4	8	2	17	8	25
Group Dynamics	Formation and Management of SHGs/JIGS	2	1	ON/OFF	21.05.2022	9	1	1	4	8	2	18	7	25
Mobilization of social capital	Income generation activities among group members	2	1	ON/OFF	28.05.2022	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	2	1	ON/OFF	04.06.2022	9	1	1	4	8	2	18	7	25

WTO and IPR issues	Awareness and use of market intelligence	3	2	ON/OFF	04-05.07.2022	8	2	1	4	8	2	17	8	25
Production Technology	Production technology Dissemination	3	1	ON/OFF	09.08.2022	9	1	1	4	8	2	18	7	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Beekeeping	3	1	ON/OFF	18.08.2022	8	2	1	4	8	2	17	8	25
Production technologies	Productivity enhancement of field crops	3	1	ON/OFF	19.08.2022	8	2	1	4	8	2	17	8	25
Group Dynamics	Formation and management of SHGs/JIGS	3	1	ON/OFF	25.09.2022	9	1	1	4	8	2	18	7	25
Group Dynamics	Formation and Management of SHGs/JIGS	1	1	ON/OFF	12.10.2022	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	1	1	ON/OFF	07.11.2022	9	1	1	4	8	2	18	7	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through poultry	1	1	ON/OFF	06.12.2022	9	1	1	4	8	2	18	7	25

<b>Rural Youth</b>														
Entrepreneurial development of farmers/youths	Entrepreneurship Development through organic farming	1	4	ON/OFF	03-06.02.2022	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Beekeeping	2	4	ON/OFF	22-25.06.2022	9	1	1	4	8	2	18	7	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Beekeeping	3	4	ON/OFF	21-23.07.2022	8	2	1	4	8	2	17	8	25
Entrepreneurial development of farmers/youths	Entrepreneurship Development through Poultry	4	4	ON/OFF	23-26.08.2022	8	2	1	4	8	2	17	8	25
<b>Extension Functionaries</b>														
Formation and Management of SHGs	Formation and Management of kisan club and SHGs and JLGS	1	1	ON/OFF	13.03.2022	7	2	1	4	6	5	14	11	25
Leadership development	Leadership development for Agro tech dissemination	2	1	ON/OFF	15.07.2022	6	2	1	4	8	4	15	10	25
Information networking among farmers	ICT practices for information and networking among farmers	3	1	ON/OFF	16.10.2022	6	2	1	4	7	5	14	11	25
Entrepreneurial development of farmers/youths	Entrepreneurial development of farmers/youths	4	1	ON/OFF	10.11.2022	6	2	1	4	8	4	15	10	25

#### 4. Frontline demonstration to be conducted 2022

Sl. No	Season	Crop	Variety	Area in ha.	No. of Demonstration
1.	Summer	Jute	JBO-2003 H	6	15
2.	Summer	Dragon fruit		1	25
3.	Summer	Papaya	Red Lady	1	25
4.	Kharif	Sorghum	CSV 33MF	4	10
5.	Kharif	Paddy	Sabour Ardhjal	4	10
6.	Kharif	Azotobactor & PSB		4	10
7.	Kharif	Brinjal	PH-6	1	10
8.	Kharif	Cauliflower	Sabour Agrim	1	10
9.	Kharif	Mushroom (Milky White)			25
10.	Kharif	Mobile SD Card			30
11.	Rabi	Makhana	Sabour Makhana-1	8	20
12.	Rabi	Dragon fruit		1	25
13.	Rabi	Mushroom (Button)			30
14.	Rabi	Papaya	Red Lady	1	25
15.	Rabi	Drumstick		1	30
16.	Rabi	Strawberry		1	20
17.	Rabi	Potassium Nitrate(Wheat)		6	15
18.	Rabi	Pendimethalin (Wheat)		6	15
			<b>Total</b>	<b>46</b>	<b>350</b>

**Frontline demonstration to be conducted\***

**Crop:** JUTE  
**Thrust Area:** Management of Jute, Maize based cropping system  
**Thematic Area:** ICM  
**Season:** Zaid  
**Farming Situation:** Jute-Maize

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/JBO-2003 H	6	Seed	Fibre Yield,	Seed			03	00	01	00	09	02	13	02	15

**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	Training on Jute Production	01	PF	01	ON/OFF	3	0	2	0	20	0	25	0	25
Field day	Crop Condition of Jute(JBO-2003 H)	02	PF	01	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Sorghum  
**Thrust Area:** Emphasis on Fodder requirement  
**Thematic Area:** Fodder Production  
**Season:** Kharif  
**Farming Situation:** Paddy/Fodder-Maize/ Wheat

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in 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.	Sorghum / CSV-33MF	4	Seed & Literature	Multi cut Yield, Leaf Stem Ratio, Tolerance to Water Stress and Water Lodging Condition, Yield	Seed			1	0	4	0	6	0	10	0	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	Training on Fodder Production	01	PF	02	ON	3	0	2	0	20	0	25	0	25
Field day	Crop Condition & yield of Sorghum(CSV33MF)	02	PF	01	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Paddy  
**Thrust Area:** Development of need based efficient and profitable cropping system  
**Thematic Area:** ICM  
**Season:** Kharif  
**Farming Situation:** Paddy- Wheat/ Maize

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	Dem o	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Paddy / Sabour Ardhjal	4.0	seed	Grain Yield, B:C ratio	Seed			2	0	2	0	6	0	10	0	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	Scientific Cultivation of Paddy	1	PF	01	ON/OFF	3	0	2	0	20	0	25	0	25
Field day	Agronomic Package and practices of Paddy crop	1	PF	01	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Paddy  
**Thrust Area:** Productivity enhancement through biofertilizer  
**Thematic Area:** ICM  
**Season:** Kharif  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Azotobactor & PSB	4.0	Biofertilizer	Grain Yield, B:C ratio	Biofertilizer			2	1	3	0	4	0	9	1	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	Productivity enhancement through biofertilizer	1	PF	01	OFF	3	0	2	0	20	0	25	0	25
Field day	Yield effect due to Biofertiliser	1	PF	01	OFF	6	0	4	0	40	0	50	0	50



**Frontline demonstration to be conducted\***

**Crop:** Brinjal  
**Thrust Area:** Identification & Popularization of good quality vegetable seeds  
**Thematic Area:** Vegetable Production  
**Season:** Kharif  
**Farming Situation:** Vegetable-Vegetable

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.	Brinjal PH-6	01	10	Productivity	Seed			1	0	2	0	7	0	10		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	Scientific Cultivation of Brinjal	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
Field day	Assessment of Brinjal Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Cauliflower  
**Thrust Area:** Identification & Popularization of good quality vegetable seeds  
**Thematic Area:** Vegetable Production  
**Season:** Rabi  
**Farming Situation:** Vegetable-Vegetable

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.	Cauliflower Sabour agrim	01	10	Productivity	Seed			2	0	1	0	7	0	10	0	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	Scientific Cultivation of Cauliflower	01	PF	01	OFF	3	2	3	2	10	5	16	9	25
Field day	Assessment of Cauliflower Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop/Enterprise:** Mobile SD Card  
**Thrust Area:** Transfer of Technology  
**Thematic Area:** ICT  
**Season:** Kharif  
**Farming Situation:**

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.	Mobile SD Card		30		Mobile SD Card			6	0	0	7	17	0	23	7	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	Use of ICT in Agriculture	01	PF	01	ON	3	2	3	2	15	5	21	9	30

**Frontline demonstration to be conducted\***

**Crop:** Makhana  
**Thrust Area:** Identification & Popularization of good quality Makhana  
**Thematic Area:** Fruit Production  
**Season:** Rabi  
**Farming Situation:** Makhana Cultivation

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.	Makhana (Sabour makhana-1)	8	20	Productivity	Seed			3	2	2	5	15	3	20	10	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	Scientific Cultivation of Makhana	01	PF	01	ON/OFF	3	2	2	5	15	3	20	10	30
Field day	Comparative analysis of Sabour Makhana 1 over traditional variety	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Papaya  
**Thrust Area:** Identification & Popularization of good quality Papaya  
**Thematic Area:** Fruit Production  
**Season:** Rabi  
**Farming Situation:** Fruit

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.	Papaya (Red lady)	01	10	Productivity	Sapling			3	2	3	2	10	5	16	9	25

**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	Scientific Cultivation of Papaya	01	PF	01	ON/OFF	3	2	3	2	10	5	16	9	25
Field day	Comparative analysis of Red Lady vs.local variety	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Drumstick  
**Thrust Area:** Prevalence of anemia among rural women and adolescent  
**Thematic Area:** Nutritional security  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Drumstick	1.0	plants		plants			2	1	3	5	6	13	11	19	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	Importance and nutritional aspects of drumstick leaves for human consumption	1	PF/Ry	01	ON/OFF	2	1	3	5	6	13	11	19	30
Field day	Different preparation and value added products of Drumstick leaves	1	PF/Ry	01	OFF	6	0	4	0	20	20	30	20	50

**Frontline demonstration to be conducted\***

**Crop:** Strawberry  
**Thrust Area:** Income generation  
**Thematic Area:** High value crops  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Strawberry	1.0	sapling	Yield, B:C ratio	Sapling			2	1	3	5	6	3	11	9	20

**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	Production and management of Strawberry	1	PF/Ry	01	OFF	3	0	2	0	10	10	15	10	25
Field day	Income generation through strawberry production	1	PF/Ry	01	OFF	6	0	4	0	20	20	30	20	50

**Frontline demonstration to be conducted\***

**Crop:** Milky white Mushroom  
**Thrust Area:** Nutritional security  
**Thematic Area:** Income Generation  
**Season:** Kharif  
**Farming Situation:** 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.	Milky white Mushroom	25 family	Spawn, Polythene bag, Bavistin, formaline	Yield per bag	Spawn, Polythene bag, Bavistin, formaline			3	2	3	2	10	5	16	9	25

**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	Straw sterilization , preparation of bag and casing preparation	01	PF/FW	01	ON/OFF	3	2	3	2	10	5	16	9	25
Field day	Income generation through Mushroom production	01	PF/FW	01	OFF	6	4	6	4	20	10	32	18	50



**Frontline demonstration to be conducted\***

**Crop:** Button Mushroom  
**Thrust Area:** Nutritional security  
**Thematic Area:** Income Generation  
**Season:** Rabi

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.	Button Mushroom	25 family	Spawn, Polythene bag, Bavistin, formaline	Yield per bag	Spawn, Polythene bag, Bavistin, formaline			-	4	0	2	10	9	10	15	25

**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	Straw sterilization , preparation of bag and casing preparation	01	PF/FW	01	ON/OFF	3	2	3	2	10	5	16	9	25
Field day	Income generation through Mushroom production	01	PF/FW	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Dragon Fruit  
**Thrust Area:** High value crops  
**Thematic Area:** Income generation  
**Season:** Rabi  
**Farming Situation:** Fruit

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.	Dragon Fruit	01	10	Productivity	Plants			5	0	0	6	14	0	19	6	25

**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	Scientific Cultivation of Dragon Fruit	01	PF	01	ON/OFF	3	2	3	2	10	5	16	9	25
Field day	Assessment of Dragon Fruit Production	01	PF	01	OFF	6	4	6	4	20	10	32	18	50

**Frontline demonstration to be conducted\***

**Crop:** Wheat  
**Thrust Area:** Heat stress management  
**Thematic Area:** ICM  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Potassium Nitrate	1.0	chemical	Grain Yield, B:C ratio	Chemical			2	1	3	3	6	0	11	4	15

**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	Management of heat stress in wheat	1	PF	01	OFF	3	0	2	0	20	0	25	0	25
Field day	Agronomical management in wheat	1	PF	01	OFF	6	0	4	0	40	0	50	0	50

**Frontline demonstration to be conducted\***

**Crop:** Wheat  
**Thrust Area:** Weed management  
**Thematic Area:** IWM  
**Season:** Rabi  
**Farming Situation:** Paddy- Wheat/ Maize

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.	Pendimethaline	6.0	weedicide	Grain Yield, B:C ratio, weed infestation	weedicide			2	1	3	3	6	0	11	4	15

**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	Weed Management in wheat	1	PF	01	OFF	3	0	2	0	20	0	25	0	25
Field day	Agronomical management in wheat	1	PF	01	OFF	6	0	4	0	40	0	50	0	50

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

Name of the Crop / Enterprise	Variety / Type	Period From June,2022 to April,2023	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)(including man power)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Sabour Shree C/S	June to Oct 2022	2.5	Seed	75	124000/-	305000/-	181000/-
Wheat	HD-2967 C/S	Nov to April 2022-23	2.5	Seed	80	112000/-	320000/-	208000/-
Vegetable sapling(Chilli, Brinjal, Cauliflower)		January to December		Sapling	1.0 Lakh	20000/-	50000/-	30000/-

**13. Extension Activities**

Name of Extension Activities	No.	Participants
Field Day	15	350
Kisan Mela	1	500
Kisan Ghosthi	5	250
Exhibition	1	100
Film Show	6	150
Method Demonstrations	1	75
Farmers Seminar	1	50
Workshop	1	150
Group meetings	5	200
Farmers visit to KVK	3000	3000
Diagnostic visits	110	450
Exposure visits	5	300
Ex-trainees Sammelan	1	50
Self Help Group Conveners meetings	8	150
Celebration of important days	20	1200
<b>Total</b>	<b>3180</b>	<b>6975</b>

**14. Revolving Fund (in Lakh.)**

<b>Opening balance of 2021-22 (As on 31.03.2021)</b>	<b>Expected fund generation in 2022</b>	<b>Fund available on 31.03.2022</b>		
		<b>Cash</b>	<b>Kind</b>	<b>Total</b>
<b>26.42</b>	<b>6.25</b>	<b>25.87</b>	<b>5.23</b>	<b>31.10</b>

**15. Expected fund from other sources and its proposed utilization**

<b>Project</b>	<b>Source</b>	<b>Amount to be received (Rs. in lakh)</b>
<b>GKMS</b>	<b>ICAR</b>	<b>17.00</b>
<b>BSDM</b>	<b>BAMETI</b>	<b>6.00</b>
<b>CRA</b>	<b>Bihar Government</b>	<b>7.50</b>

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

### ON FARM TRIAL (2022-21)

#### OFT-1 Agronomy

1.	<b>Title of On farm Trial</b>	Assessment of different sowing methods on growth and yield of wheat
2.	<b>Problem diagnosed</b>	Farmers are using broadcasting methods for sowing of wheat, which results in higher seed rate and uneven plant establishment interferes intercultural operations during crop growth period and resulted in less wheat yield.
3.	<b>Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)</b>	FP : Broadcasting TO <sub>1</sub> : Raised bed planting TO <sub>2</sub> : Flat drilling TO <sub>3</sub> : Zero tillage
4.	<b>Source of Technology (ICAR/ AICRP/SAU/other, please specify)</b>	BISA, Pusa
5.	<b>Production system and thematic area</b>	Paddy-wheat-Greengram & RCT
6.	<b>Performance of the Technology with performance indicators</b>	Plant Height (Cm), No. of tillage/m <sup>2</sup> , grain yield (q/ha) gross return (Rs/ha), net return(Rs/ha),BC ratio.
7.	<b>Design</b>	RBD
8.	<b>Plot Size</b>	0.1
9.	<b>Replication</b>	<b>10</b>

**OFT (Agronomy)**

<b>1.</b>	<b>Title of On farm Trial</b>	Assessment of different weed control measures in maize
<b>2.</b>	<b>Problem diagnosed</b>	Maize is sensitive to weed competition. Improper weed management resulted in drastic reduction of maize yield
<b>3.</b>	<b>Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)</b>	FP: Hand weeding at 18 and 30 DAS TO <sub>1</sub> : Application of atrazine 50 % WP @ 1000 gm/ha at 2-3 DAS + hand weeding at 25 DAS TO <sub>2</sub> : Application of atrazine (50 % WP) @ 750gm/ha at 2-3 DAS + Application of Tembotrine (42% SC) 120 ml/ha at 25 DAS
<b>4.</b>	<b>Source of Technology (ICAR/ AICRP/SAU/other, please specify)</b>	Indian Institute of Maize Research, Pusa, New Delhi
<b>5.</b>	<b>Production system and thematic area</b>	Paddy-wheat-greengram & RCT
<b>6.</b>	<b>Performance of the Technology with performance indicators</b>	Plant Height (cm), no. of cobs/plant, no. of grains/cob, grain yield (q/ha), gross return (Rs/ha), net return (Rs/ha), BC ratio.
<b>7.</b>	<b>Design</b>	<b>RBD</b>
	<b>Plot Size</b>	<b>0.10 ha</b>



## OFT -1 Horticulture

S.N.	Topic	Description
1.	<b>Title</b>	Management and economic analysis of shoot borer in Brinjal
2.	<b>Problem Diagnose</b>	Fruit and shoot borer highly infested the crop and farmer faces marketable losses
3.	<b>Detail the technology selected for assessment / refinement</b>	FP – Use of Dimethoate TO1 – Trizophos + Delta methrin @ 2ml/l water TO2 - Emamectin benzoate 5% @ 0.4 gm/lit TO3 – Spinosad 45 SC @ ½ ml/l water
4.	<b>Source of technology</b>	<b>BAU, Sabour</b>
5.	<b>Replication</b>	10
6.	<b>Technical indicator</b>	Initial and final soil analysis, shoot damage %, fruit damage on weight and number basis (%), marketable fruit yield.
7.	<b>Economic Indicator</b>	Net return, B:C ratio

## OFT -2 Horticulture

S.N.	Topic	Description
1.	<b>Title</b>	Performance of micronutrients on yield and quality of Mango
2.	<b>Farming Situation</b>	Irrigated
4.	<b>Experiment Design</b>	RBD
5.	<b>Detail the technology selected for assessment / refinement</b>	<p>FP- No use of micronutrient</p> <p>TO<sub>1</sub>- RDF( 100 gm N, 500 gm P<sub>2</sub>O<sub>5</sub>, 500 gm K<sub>2</sub>O/Plant)</p> <p>TO<sub>2</sub>- RDF + 0.4 % Foliar spray ZnSO<sub>4</sub>+ 0.2%Foliar spray of Boric Acid.</p> <p>TO<sub>3</sub>- RDF + 0.4 % Foliar spray ZnSO<sub>4</sub>+ 0.2%Foliar spray of Boric Acid+0.2%Foliar spray of CuSO<sub>4</sub></p>
6.	<b>Replication</b>	BAU, Sabour
7.	<b>Plot Size</b>	0.4 ha
8.	<b>Observation Parameter</b>	<b>Technical observations</b> plant height(m), Plant girth (cm), Plant spread( East- West & North –South) (m), Canopy Volume (m <sup>3</sup> ) no. of fruit/Plant, Average fruit weight(gm), Fruit Yield (kg/Plant) , Fruit Size (mm) length speath, TSS (%), Acidity(%).
9.	<b>Economic Indicator</b>	Net return, BC ratio

<b>SN</b>	<b>Particulars</b>	<b>Description</b>
1.	<b>Intervention</b>	Extension Education
2.	<b>Title</b>	Assessment of market led approach of Jute through farmers club
3.	<b>Problem diagnose</b>	Low income of farmers due to unorganised marketing
5	<b>Thematic area</b>	Market led approach
8.	<b>Source of technology</b>	NIAM, Jaipur
9.	<b>Technology option</b>	FP : Marketing at local level  TO <sub>1</sub> : Unorganized way of Jute marketing  TO <sub>2</sub> : Jute marketing through Farmers club
13.	<b>Perform indicator</b>	Marketing availability  Market information  Marketing decision making  Price of Produce  Marketing Cost

## OFT- 2 Extension Education

SN	Particulars	Description
1.	<b>Intervention</b>	Extension Education
2.	<b>Title</b>	Impact assessment of wheat demonstration among different categories of farmers
3.	<b>Problem diagnose</b>	Low level of adoption of recommended package of practice of wheat resulting its low yield
4	<b>Thematic area</b>	Capacity building
5.	<b>Source of technology</b>	BAU, Sabour
6.	<b>Technology option</b>	<p>Farmers practice : Existing local variety</p> <p>TO<sub>1</sub> = Improved variety given to marginal farmer</p> <p>TO<sub>2</sub> = Improved variety given to small farmer</p> <p>TO<sub>3</sub> = Improved variety given to medium &amp; large farmers</p>
7.	<b>Performance indicator</b>	<p>Yield</p> <p>Economic parameters</p> <p>Level of knowledge</p> <p>Change in level of knowledge</p> <p>Level of adoption</p> <p>Change in level of adoption</p>

**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	GKMS	9,83,000.00
2	BSDM	4,00,000.00
3	CRA	7,50,000.00

**KVK, Farm**

Sl.No.	Crop	Variety	Season	Area (ha)
1.	Paddy	Sabour shree	Kharif (2022)	2.1
2.	Wheat	HD-2967	Rabi (2022-23)	2.1
3.	Makhana	Sabour Makhana-1	Rabi (2022-23)	1.5
4.	Paddy (Natural Farming)	Sabour Shree	Kharif (2022)	0.4
5.	Wheat (Natural Farming)	HD-2967	Rabi (2022-23)	0.4

**17. Scientific Advisory Committee**

Date of SAC meeting held during 2021	Proposed date during 2022
26.07.2021	25/06/2022

**18. 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		
pH, ECe, OC, N, P, K, Ca, Mg, Na, CO <sub>3</sub> , HCO <sub>3</sub> , SO <sub>4</sub> , Cl, Fe, Mn, Zn, B.	1000							900	100	1000	80	1000

**19. Fund requirement and expenditure (Rs.)\***

Item	Fund required for 2022-23
Pay & Allowance	1,64,00,000.00
Contingency	15,00,000.00
Equipment & furniture	10,00,000.00

\* Any additional requirement may be suitably justified.