ACTION PLAN PROFORMA FOR THE KVKs.

(1st January to 31 December, 2025)

1. GENERAL INFORMATION ABOUT THE KVK : SAHARSA

1.1. Name and address of KVK with phone, fax and e-mail

Name and Address of KVK	Telephone		E mail	Website
KVK AGWANPUR SAHARSA	Office	FAX	saharsakvk@gmail.com	saharsa.kvk4.in
	9608538556			

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
BAU, Sabour, Bhagalpur	06412452606		deebausabour@gmail.com	bausabour.ac.in

1.2.b. Status of KVK website : Yes Date when the website last updated: 10.07.2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :109257

1.2.d Status of ICT lab at your KVK :

a) No. of PC units :05

b) No. of Printers :04

c) Internet connection : Yes

1.3. Name of the Senior Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Arbind Kumar Sinha		9431413543	saharsakvk.gmail.com

1.4. Year of sanction: F. No. 21/100/84 dated 14th March 1984

1.5. Staff Position (as on 1st January, 2025)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	1	Dr. Arbind Kumar Sinha	Senior Scientist & Head	Horti.	166400, Level 13 (A)		1,66,400	14.05.2012	Permanent	General	9608538556		
2	1	Er. Vimlesh Kumar Pandey	SMS	Agricultural Engineering	98200, Level 10		101,100	10.07.2007	Permanent	General	9431827088		
3	1	Dr. Suneeta Paswan	SMS	Home Science	98300, Level 10		98,200	22.06.2009	Permanent	SC	9472336971		

4	**1**	Md. Nadeem Akhtar	SMS	Plant Patho.	73200, Level 10		75,400	17.10.2014	**Permanent**	General	7856034611		
5	**1**	Dr. Pankaj Kumar Ray	SMS	Horticulture	73200, Level 10		75,400	05-01-2015	Permanent	General	8651338378		
6	**1**	Sri Ravi Ranjan Kumar	Programme Assistant (Lab. Tec.)	Agriculture	50500, Level 06		52,000	17.11.2012	Permanent	OBC	8935876229		
7	**1**	Mr. Mahendra Narayan Singh	Assistant	MBA (Finance)	49000, Level 06		50,500	08-04-2013	Permanent	OBC	7654429078		
8	**1**	Mr. Ashwani Kumar	Programme Assistant (Computer)	Information Technology	49000, Level 06		50,500	21-05-2013	Permanent	OBC	8862947284		
9	**1**	Mr. Mithilesh Kumar Mandal	Stenographer	-	35300, Level 04		36,400	15-06-2013	Permanent	OBC	7004422817		
10	**1**	Mr. Rajeev Bhagat	Driver	-	29300, Level 03		30,200	20.05.2015	Permanent	OBC	8969536521		
11	**1**	Mr. Lalo Thakur	Supporting staff	-	40600, Level 02		41,800	22.09.1990	Permanent	OBC			

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	2.50
3.	Under Crops	11.00
4.	Horticulture	2.00
5.	Pond	0.1
6.	Others if any	2.9

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		2012		-			
2.	Farmers Hostel	ICAR		1989		-			
3.	Staff Quarters (6)	NA				-			

4.	Demonstration Units (2)	**ICAR**		2013		-			
5	Fencing	**NA**				-			
6	Rain Water harvesting system	**NA**				-			
7	Threshing floor	**ICAR**		2009		-			
8	Farm godown	**ICAR**		2009		-			
	Implement Shed		RKVY	2024		-			
9									

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Bolero	2017	ICAR	800000/-	133402	Good
Tractor	2010	ICAR	550000/-	3727 hr	Good
Tractor	2021	CRAP	943692/-	600 hr	Good
Motorcycle (No.-02)	2016	ICAR	1,20000/-	BR 19H 1220-18883 KM BR 19H 1221-9752KM	Good

C) Equipment's& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
a. Lab equipment			
Mini Soil Test Kit (2 Unit)	2018	120000	Good
b. Farm machinery			
5 HP Crompton Motor	2015	17619	Good
c. AV Aids			
LCD Projector with accessories	2009	98418.00	Non Functional
Digital camera with accessories	2009	25000.00	Non Functional
Sony LCD Projector with acces	2016	52,000	Non Functional
Ahuja Sound System	2016	30,165	Good
Canon Camera	2016	29,600	Good
Sony Video Camera	2016	82,871	Non Functional
Penasonic LED TV(50")	2016	72,000	Good
Penasonic LED TV (32")	2016	27,200	Good
Desktop Dell + Laptop	2016	82,583	Good
Desktop HP	2016	38,800	Good
Laptop	2014	41,900	Good
GPS	2016	20,000	Good
Laptop HP	2016	-	Good
Xerox Machine	2016	52142	Good
HP Laptop	2020	49500	Good
Epson Projector+ Screen	2024	108648	Good
Desktop HP	2019	49900	Good
Desktop Dell	2021	49500	Good
HP PC	2024	69300	Good

1.8. A). Details of SAC meetings to be conducted in the year

Sl. No.	Date
1. Scientific Advisory Committee	08.07.2025

Suggestions of SAC meeting

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Name		
2	AES 2 (Name)		
3	AES 3 (Name)	**Paddy-wheat-Green gram** **Paddy-Maize** **Paddy-Mustard-Green gram**	Loam to silt Loam (Upland plain): 52884 ha Deep water logged area: 45827 ha. Clay loam to loam (mid upland to low land): 25320 ha. Sandy clay to sandy loam (within the Koshi embankments): 41094 ha.

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Name)		
2.	AES-2 (Name)		
3.	AES-3 (Name)	**Average elevation :42 m** **Minimum elevation: 33 m** **Maximum elevation: 54 m** **Geographical coordinate range :** **Latitude : 25 ^{0} 35 ' 00" - 26^0 28' 00" N** **Longitude : 86^0 18' 00" - 86^0 51' 00" E**	**Flooding and imperfect drainage condition** **Salinity and /or sodicity occurring in patches**

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)		
2.	AES-2 (Name)		
3.	AES-3 (Name)	**1. High precipitation with prolong dry spell during Kharif period** **2. High humidity in the period of Sept.- Oct. increases chances of diseases in major Kharif crops particularly paddy** **3. Cold stress during January affects the grain formation in maize** **4. Heat stress in the month of March affects grains of wheat crops**	**1** **2** **3** **4**

2.2. Area, Production and Productivity of major crops cultivated in the district (2024)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1	**Paddy**	**76731**	**132967**	**38.00**	4.55	6.97
2	**Wheat**	**45916**	**94234**	**31.00**	2.40	4.60
3	**Maize**	**38102**	**260160.46**	**68.28**	28.62	34.50
4	**Moong**	**15990**	**9194**	**5.75**	2.95	4.25
5	**Rapeseed & Mustard**	**1191**	**956**	**8.03**	7.40	7.97
6	**Pea**	**427**	**439**	**10.28**	6.53	9.72
7	**Lentil**	**372**	**314**	**8.45**	3.75	5.55
8	**Ragi**	**279**	**235**	**8.42**	3.28	3.58
9	**Linseed**	**145**	**115**	**7.90**	2.1	3.1
10	**Makhana**	**2010**	**3696.39**	**18.39**	1.71	3.61

Source: District agriculture department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	Jan.	-	19.1	9.3	90	82
	Feb.	-	24.7	11.3	93	73
	March	-	26.7	16.1	88	69
	April	-	36.5	21.3	83	45
	May	36.3	32.5	19.5	91	64
	June	124.8	37.1	24.5	84	69
	July	113	38.5	25.5	93	86
	Aug.	422.4	35.3	24.3	96	68
	Sept.	274.9	35.7	24.1	96	59
	Oct.	125	32.5	17.3	92	56
	Nov.	-	31.7	14.5	91	53
	Dec.	7.3	28.7	9.1	95	50
2024	Jan.	-	18.6	9.8	90	82
	Feb.	-	23.9	11.7	93	73
	March	-	26.2	15.8	88	69
	April	-	36.9	22.4	83	45
	May	92.5	32.7	20.1	91	64
	June	91	36.9	24.8	84	69
	July	201	37.9	25.7	93	86
	Aug.	300.8	35.9	23.9	95	69
	Sept.	260.1	35.7	24.1	93	61
	Oct.	15.1	32.1	17.8	92	56
	Nov.	-	30.8	13.9	91	53
	Dec.	-	27.3	9.3	89	53
Total						

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2024)

Category	Population	Production (MT)	Productivity	Productivity gap
Cattle				
Crossbred	16,091	148700	322 litre/animal p a	-
Indigenous	2,72,046			
Buffalo	1,63,855			
Sheep	2,314			
Goats	2,75,021			
Pigs				
Poultry				
Hens	1,41,437			
Desi	12,680			
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)	11600000	99760		

*Statical report

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
	Nauhatta	Dharampur	Paddy, Wheat, vegetable, Mango orchard	Paddy-37.2 Wheat-28.24 Greengram-7.5	1) Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application.	Productivity enhancement of field crops, vegetables and fruit plants.
	Sattarkataiya	Padampur	Paddy, Wheat, moong	Paddy-37.6 Wheat-28.27 Greengram-7.6	2) pest and disease incidence	INM and IPM practices in crops and cropping system for sustainable agriculture.
	Kahra	Bareta, Mahwa	Paddy, Wheat, vegetable, Mango orchard	Paddy-36.9 Wheat-28.1 Greengram-7.7	3) Loss of raw farm produces due to improper post harvest management	Popularization of quality seed production.Productivity
	Sourbazar	Andauli, Bakhari	Paddy, Wheat, Rapeseed, Linseed, Lentil, tomato	Paddy-37.5 Wheat-28.2 Greengram-7.1	4)Lack of knowledge /skill for scientific agril technology	Application of post harvest technology & value addition
	Sattarkataiya	Purikh	Paddy, Wheat, Lentil, Rai, Pea, Linseed Green Gram, Maize	Paddy-37.7 Wheat-28.9 Greengram-7.0	5)Poor income from agril/allied sector	Income generation activities through mushroom production vermi-composting and preservation of fruits and vegetables etc
	Sourbazar	Kamp	Wheat, Lentil, Rape seed	Paddy-37.2 Wheat-28.24 Greengram-6.9	6) Lack of improved agril implements & tool	Farm mechanization in Agriculture..
	Sonbarsha	Jalseema	Banana	Paddy-37.2 Wheat-28.24 Greengram-7.4	Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application.	Productivity enhancement of field crops, vegetables and fruit plants.
	Sattarkataiya	Dihtola	Rice-Wheat-Green Gram	Paddy-37.6 Wheat-28.24 Greengram-7.5	Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application.	Productivity enhancement of field crops, vegetables and fruit plants.
	Patarghat	Bishanpur	Rice-Wheat-Green Gram Ric3-Maize-Potato	Paddy-37.9 Wheat-28.5 Greengram-7.1	Loss of raw farm produces due to improper post harvest management	Popularization of quality seed production.Productivity

	Sourbazar	Dhamsena	Rice-Wheat-Green Gram	Paddy-37.6 Wheat-28.4 Greengram-7.1	Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application.	Productivity enhancement of field crops, vegetables and fruit plants.
	Nauhatta	Baligaon chtra	Rice-Wheat-Green Gram	Paddy-37.6 Wheat-28.3 Greengram-7.5	Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application.	Productivity enhancement of field crops, vegetables and fruit plants.
	Kahra	Tulsiyahi	Rice-Wheat Makhana	Paddy-37.2 Wheat-28.24 Greengram-7.6	Lack of knowledge /skill for scientific agril technology	Application of post harvest technology & value addition
	Simri Bakhtiyarpur	Sardiha	Nutri Garden, Mushroom	Paddy-37.2 Wheat-28.24 Greengram-7.6	Poor income from agril/allied sector	Income generation activities through mushroom production vermi-composting and preservation of fruits and vegetables etc
	Sour Bazar	Baijnathpur	Nutri Garden, Mushroom		Poor income from agril/allied sector	Income generation activities through mushroom production vermi-composting and preservation of fruits and vegetables etc

2.6 Top five major priority thrust areas:

i. INM and IPM practices in crops and cropping system for sustainable agriculture.
ii. Adoption of Natural farming practices
iii. Productivity enhancement of field crops, vegetables and fruit plants
iv. Popularization of quality seed production.
v. Income generation activities for farmers and rural youth
vi. Farm mechanization in Agriculture

Farm women empowerment**3. TECHNICAL PROGRAMME**

3 A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)	No of enterprises	Number of Farmers
08	73	11	08	105

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)

3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Application of small tools	Okra	Excess weed infestation in okra field reduces productivity	Assessment of weeding implements in okra cultivation		Application of small tools	Application of small tools	Field Day	Seeds and tools
2	Integrated Weed Management	Tomato	There is decrease in the productivity of tomato during winter season in Koshi region due to weeds infestation and loss of moisture in root zone	Assessment of different mulching materials in cultivation of tomato		Use of mulching technique in agricultural practices	Use of mulching technique in agricultural practices	Diagnostic visit	Seeds, Mulching materials
3	Value addition	Makhana	Low market demand of ungraded makhana	Assessment of grading and quality parameter of Makhana (*Gorgon nut*) in Saharsa district of Bihar				Field Visit	Seed
4	INM	Mango	Low Yield of Mango	Assessment of micronutrient effect on Growth and yield of Mango		INM in mango orchard		Diagnostic visit, farmers scientist interaction	Micro-nutrient
5	IPM	cucurbits	Rotting of fruits before and after maturity	Eco-friendly management of cucurbits fruit fly		IPM in summer vegetables cultivation		Diagnostic visit, farmers scientist interaction	Chemicals
6	Production of organic inputs	Kitchen waste composting	Improper disposal of kitchen waste leads to unhygienic condition	Assessment of kitchen waste composting method for sustainable waste management at household level				Farmers scientist interaction	Compost bin/bed
7.	Nutri Garden	Vegetables	Seasonal unavailability or high cost of green vegetables leads to low consumption of green vegetables in the rural communities	Assessment of nutritional garden models for ensuring year-round vegetable availability in farm family				Diagnostic visit, farmers scientist interaction	Seasonals vegetables

3.1 Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management					1					
Integrated Crop Management										
Integrated Nutrient Management						1				
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Nutri Garden					1					
Farm machineries					1					
Value addition				1						
Integrated Pest Management					1					
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises					1					
TOTAL										

A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

B. Details of all On Farm Trial in the given format

OFT 1: (Agrill. Engg.)

Crop	Okra
Season	Summer
Main problem	Excess weed infestation in okra field reduces productivity and B:C Ratio
Main cause	It is felt that frequent application of a spade is very tough to apply for weed control in okra fields
Title of OFT	Assessment of weeding implements in okra cultivation
Farming situation	Old alluvium soil having loam to silt loam texture having irrigated upland conditions with “green vegetables - cauliflower- okra” cropping system in Agro-ecological Zone: O8Cd/Cm6 (LGP 180 -210 days); Agro- Climate: hot, wet summer and cool, dry winter.
Thematic area	Application of small tools
Farmer practice	T1 : weed management by a spade
Technology option selected for assessment	T2 : weed management by a twin wheel hoe T3 : weed management by a grubber
Source of technology	CIAE, Bhopal and Deptt. of Agril. Engg.,Assam Agricultural University Jorhat (2019)
No of trial	10 (Total area 0.4 ha)
Detail of critical input	Seeds, Twin wheel hoe and grubber

Cost of individual critical input	Rs. 1000
Total cost of critical input	Rs. 10000
Performance indicator to be recorded	(i) Technical indicator (field capacity (m^2/hr), weeding efficiency (%), No. of fruits /plant, fruit weight (g)Yield: q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)

OFT 2: (Agrill. Engg.)

Crop	**Tomato**
Season	Rabi
Main problem	There is decrease in the productivity of tomato during winter season in Kishi region due to weeds infestation and loss of moisture in root zone
Main cause	Decrease in soil temperature during dry cold winter in Koshi region affects the root growth and hence the productivity of crop decreases
Title of OFT	Assessment of different mulching materials in cultivation of tomato
Farming situation	Old alluvium soil having loam to silt loam texture having irrigated upland conditions with "Fallow-Tomato-Green Vegetables" cropping system in Agro-ecological Zone: O8Cd/Cm6 (LGP 180 -210 days); Agro- Climate: hot, wet summer and cool, dry winter
Thematic area	Integrated crop management
Farmer practice	T1: Transplanting of 25 to 30 days old seedlings at crop geometry 75cm X 60 cm in check basins
Technology option selected for assessment	T2: Transplanting of 25 to 30 days old seedlings at a distance of 60 cm on paddy straw mulch beds with bed to bed distance 75 cm T3: Transplanting of 25 to 30 days old seedlings at a distance of 60 cm on dried water hyacinth mulch bed with bed to bed distance 75 cm
Source of technology	Defense Institute of Bio-Energy Research, Haldwani (Uttrakhand) Civil Engineering Department, NIT, Hamirpur (HP) (2022)
No of trial	10 (0.4 ha)
Detail of critical input	Tomato Plant and plastic mulch
Cost of individual critical input	Rs. 1000
Total cost of critical input	Rs.10000 /0.4 ha
Performance indicator to be recorded	echnical indicator (Total Volume of Irrigation Water utilized: m^3/ha, of Irrigation, Weed count /m^2, No. of fruits per plant, Weight of fruit: g, Yield: q/ha) conomic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)

OFT 3: (Plant Protection)

Crop	Maize
Season	Rabi
Main problem	Low yield even complete loss of crop due to premature wilting and ear drop when plant approaches maturity.
Main cause	Complex fungal pathogen like *Rhizoctonia sp., Helminthosporium sp., Dreschlera sp. etc.*
Title of OFT	Management of fungal diseases of Maize.
Farming situation	Soil type- Sandy Loam, land type- Medium, irrigation type- Irrigated, season- Rabi, previous crop- paddy
Thematic area	IDM
Farmer practice	Spray of Carbendazim+mancozeb @2.5g per litre water
Technology option selected for assessment	**TO1**: Seed Treatment with *Trichoderma viride*@5g/kg seed +soil application of *Trichoderma viride* @10g per kg FYM incubated for 10 days in moist condition **TO2:**Seed treatment with Vitavax 200WS@2.5g/kg seed + Two foliar Spray of Difenconazole+Azoxystrobin @ 1ml/litre at pre flowering stage and second spray at 25 days after first spray followed by need based spray.
Source of technology	Indian Institute of Maize Research
No of trial	10
Detail of critical input	*Trichoderma viride* powder, Vitavax 200WS, Difenconazole+Azoxystrobin
Cost of individual critical input	Rs. 1000

Total cost of critical input	Rs. 10000
Performance indicator to be recorded	Disease incidence (%) Disease severity (%) Yield (kg/ha) Net return B:C Ratio

OFT 4: (Plant Protection)

Crop	**Cucurbits**
Season	Summer
Main problem	Rotting of fruits before and after maturity
Main cause	Fruit fly
Title of OFT	Eco-friendly management of cucurbits fruit fly
Farming situation	Soil type- Sandy Loam, land type- Medium, irrigation type- Irrigated, season- Rabi, previous crop- vegetables
Thematic area	IPM
Farmer practice	Spray of chlorpyriphos + cypermethrin @ 3ml per litre water
Technology option selected for assessment	**TO1**: Mix Ethyl Alcohol- 60 ml + Cue lure (P-Acetoxyl butanone-2)- 40 ml + Malathion/DDVP- 20ml (i.e., 6:4:2) @ 10 traps/ha **TO2**: Bait Application Technique (BAT) spray liquid of 0.1% insecticide (malathion) and 10% Jaggery or 10% ripe banana or erect cue lure (Para Pheromone trap) @ 3 per acre to attract and trap male fruit flies.
Source of technology	**DRPCAU, Pusa Samastipur, Bihar**
No of trial	10 farm families
Detail of critical input	Ethyl Alcohol+ Cue lure (P-Acetoxyl butanone-2) + Malathion/DDVP, malathion
Cost of individual critical input	Rs. 1000
Total cost of critical input	Rs. 10000
Performance indicator to be recorded	(i) Incidence % (ii) No. of larvae /trap/plant (iii) Yield (iv) Net return (v) B:C Ratio

OFT 5: (Horti.)

Crop	**Makhana**
Season	Rabi
Main problem	Low market demand of ungraded makhana
Main cause	Assess the suitability, yield and quality of graded makhana
Title of OFT	Assessment of grading and quality parameter of Makhana (*Gorgon nut*) in Saharsa district of Bihar
Farming situation	Soil type- Sandy Loam, land type- Low land, irrigation type- Irrigated, season- Rabi, previous crop- Makhana
Thematic area	Value addition
Farmer practice	T1: Local Variety
Technology option selected for assessment	T2: APEDA norms T3: NRC, Makhana norms
Source of technology	NRC, Makhana, Darbhanga
No of trial	05
Detail of critical input	Seed
Cost of individual critical input	Rs. 1080
Total cost of critical input	Rs.10800 /ha
Performance indicator to be	Technical indicator (Seed Characteristics: Colour of Seed Coat, Seed Shape, Weight for

recorded	100 Seed (g), Diameter of Seed (mm) and Yield Aspect: No of seeds /plant, Seed/Plant (g) and Yield (q/ha)) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) Farmer perception

OFT 6: (Horti.)

Crop	**Mango**
Season	Summer
Main problem	Low Yield of Mango
Main cause	During the survey of the district, it was found that the farmers were facing problem of low fruit set, fruit drop and poor quality of mango fruits in terms of size and taste.
Title of OFT	Assessment of micronutrient effect on Growth and yield of Mango
Farming situation	Soil type- Sandy Loam, land type- Medium, irrigation type- Irrigated, season- Rabi, previous crop- Mango
Thematic area	INM
Farmer practice	**T1**: *No use of fertilizer, micronutrient/chemical*
Technology option selected for assessment	**T2 :** *RDF (0.6:0.6:0.36 Kg NPK/plant/year age) + 100 g Zinc sulphate + 50g Copper sulphate + 50 g boric acid (soil application) in basin after harvest + 2 foliar spray of 0.2% zinc sulphate + 0.1% boric acid (at just before flowering and marble stage)* **T3:** *RDF (0.6:0.6:0.36 kg NPK/plant/year age) + 100 g zinc sulphute + 50 g copper sulphate + 50 g boric acid (soil application) in basin after harvest + 2 foliar spray of 0.2% Zinc sulphate + 0.1% Copper sulphate + 0.1% boric acid (just before flowering and marble stage)*
Source of technology	Bihar Agricultural College, Sabour, Bhagalpur
No of trial	08
Detail of critical input	Chemicals
Cost of individual critical input	Rs. 1000
Total cost of critical input	Rs.10000 /ha
Performance indicator to be recorded	Technical indicator : (Fruit weight (g), Fruit length (cm), Fruit width (cm), Number of fruits / tree, Fruit yield (kg/tree) and Fruit yield (q/ha) Economic indicator : (Cost of cultivation, Gross return, Net return, B:C ratio) Farmer perception :

OFT 7: (Home Sc.)

Crop	Kitchen waste composting method
Season	Rabi 2025-26
Main problem	Improper disposal of kitchen waste leads to main cause of litter and unhygienic in the locality
Main cause	Lack of proper knowledge and technique for proper management of kitchen wastes
Title of OFT	Assessment of kitchen waste composting method for sustainable waste management at household level
Farming situation	Homestead
Thematic area	Waste management
Farmer practice	PF: Open dumping of kitchen waste
Technology option selected for assessment	T1: Use of earthen pot/ vermi bin composting at home
Source of technology	ICAR-IISS Bhopal and TNAU
No of trial	10
Detail of critical input	Compost bed
Cost of individual critical input	3000
Total cost of critical input	30000
Performance indicator to be	1. Volume of waste recycled (kg./week) 2. Time of composting

recorded	3. User satisfaction

OFT 8: (Home Sc.)

Crop	Nutritional Garden
Season	Rabi 2025-26
Main problem	Malnutrition
Main cause	Low intake of green vegetables and fruits due to seasonal unavailability or cost
Title of OFT	Assessment of nutritional garden models for ensuring year-round vegetable availability in farm family
Farming situation	Homestead
Thematic area	Nutrition and Health
Farmer practice	**PF:** Traditional seasonal cultivation (without layout and planning)
Technology option selected for assessment	**TO1**:Round the year model with seasonal crop rotation (leafy, roots, creepers, fruits and vegetables)
Source of technology	ICAR-IIHR, Bangalore
No of trial	10
Detail of critical input	Vegetables seeds and plants
Cost of individual critical input	500
Total cost of critical input	5000
Performance indicator to be recorded	Monthly household consumption and Nutritive values Cost saving on vegetables purchase Family feedback

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Makhana	IPM	Management strategy for major insect-pests in Makhana crop.	Chemicals	Kharif 2025	2.0	10	(I) Technical indicator- Pest incidence & severity (%) (II) Economic indicator : Yield, Net Return & BC Ratio
2	Mango	IDM	Management of Mango gumosis in old orchard	Chemicals	Rabi 2025-25	2.0	10	(I) Technical indicator- Disease incidence & disease severity (%) (II) Economic indicator : Yield, Net Return & BC Ratio
3	Wheat	Water Management	Demonstration of water inflow cut off ratio 90 % on productivity of wheat	Seed, Irrigation water	Rabi 2025-25	2.0	20	(I)Technical indicator- WUE, Water saving (%), No. of tillage/hill (II)Economic indicator – Cost of cultivation, Gross return, Net return, BC Ratio
4	Paddy	Weed Management	Application of flat fan nozzle for spraying of herbicide in paddy field	Seed	Kharif 2025	2.0	10	(I) Technical indicator- Weeding efficiency, weed index, No. of effective tillage, No. of grain per panicle. (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio
5	Mushroom	Income Generation	Enhancing farmers livelihoods and nutrition through improved mushroom cultivation practices	Mushroom Spawn	Rabi 2025-26	-	10	(I) Technical indicator- Production (kg.)/unit, appearance (II) (ii) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio
6	Nutri. Garden	Household food security	Household food security through Nutri	Vegetables seeds	2025	-	30	(I) Technical indicator- production (kg./unit)

			garden					(II)	Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio
7	Bottle gourd	Yield increment	Demonstration of high yielding variety of Bottle gourd	Seeds	Summer 2025	01	10	(I) (II)	Technical indicator- Yield (q/ha), No. of fruits/plant Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio
8	Makhana	Yield increment	Demonstration of high yielding variety of Sabour Makhana 1	Seeds	Rabi 2025-26	02	05	(I) (II)	Technical indicator- Yield (q/ha), Grading of nuts Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio
				Total					

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training	05	Aug., Oct. Dec., Feb.	100
2	Field days	06	April, Nov., Dec., March	150
3	Media coverage	08	-	-
4	Training for extension functionaries	12	July- Nov.	240

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Application of flat fan nozzle for spraying of herbicide in paddy field	Paddy	Kharif 2025	10	2.0	Seeds	(III) Technical indicator- Weeding efficiency, weed index, No. of effective tillage, No. of grain per panicle. (IV) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators

Details of all FLD in the given format

FLD: 1

Title of FLD	Management of gumosis and dieback disease in mango		
Season & Year	Rabi 2025		
Main Problem	Major loss in production due to gumosis and dieback disease in mango		
Main cause of problem	Fungal attack and nutritional imbalance		
Full detail of farmer's Practice	Spray of fungicide (carbendazim + mancozeb) @ 2g/lit of water		
Name of the Technology	gement of Mango gumosis in old orchard		
Full detail of technology to be demonstrated	1. Application of balanced dose of fertilizers 2. Spray of $CuSO_4$ + lime mixture at onset of October and pasting of this mixture at tree truck up to 5 ft.		
Thematic area	**IDM**		
Source of Technology with year	Innovation project of ATARI, Patna tested by KVK, Saharsa		
Name of villages	Pahlam, Paharpur, Tariyama, Murli Basantpur		
Farming situation	Orchard-Fallow		
Area (ha)/Unit (No.)	2.0 ha	**No of farmers**	10
Performance indicator	(I) Technical indicator- Disease incidence & disease severity (%) (II) Economic indicator : Yield, Net Return & BC Ratio		

FLD : 2

Title of FLD	**Management of major insect pest of makhana crop**		
Season & Year	kharif 2025		
Main Problem	insect pest cause the major yield reduction in makhana up to 60%		
Main cause of problem	Aphids, caseworm and borer		
Full detail of farmer's Practice	Spray of chlorpyriphos @1.0 lit/hectare and spray of cypermethrin @1.0 lit/hectare		
Name of the Technology	Management strategy for major insect-pests in Makhana crop.		
Full detail of technology to be demonstrated	1. Seed treatment with thiomethoxam 25 WG @ 5 g/kg seed 2. Root dip in solution of thiomethoxam 25 WG @ 5g/lit water for half hour at the time of transplanting 3. Three Foliar spray of NSKE @ 5% at 25 days interval starting from 40 DAT.		
Thematic area	IPM		
Source of Technology with year	BAU, Sabour		
Name of villages	Sahidah, Naharwar, dharampur, Bharna		
Farming situation	Makhana-fallow		
Area (ha)/Unit (No.)	2.0 ha	**No of farmers**	10
Performance indicator	(I) Technical indicator- Pest incidence & severity (%) (II) Economic indicator : Yield, Net Return & BC Ratio		

FLD :3

Title of FLD	**Demonstration of water inflow cut off ratio 90 % on productivity of wheat**
Season & Year	Rabi 2025-26
Main Problem	Water inflow with complete saturation of field effects the plant growths of wheat crop in Koshi region

Main cause of problem	In order to irrigate the crop at tail end excess water stagnates at head end and hence affects the plant growth resulted into a decrease in the productivity of wheat crop.		
Full detail of farmer's Practice	Irrigation of wheat crop with water approaches at the tail end		
Name of the Technology	**Inflow cut off ratio on Irrigation water saving of wheat cultivation**		
Full detail of technology to be demonstrated	Irrigation of wheat crop with inflow cut off ratio 90 %		
Thematic area	**Water Management**		
Source of Technology with year	BAU Sabour 2020		
Name of villages	Bangaon, Bakhari		
Farming situation	Eastern (North Bihar) plain, hot dry to moist sub humid ecosystem with alluvium derived soils and LGP 180-210 days		
Area (ha)/Unit (No.)	2.0 ha	**No of farmers**	20
Performance indicator	(I) Technical indicator- WUE, Water saving (%), No. of tillage/hill (II) Economic indicator – Cost of cultivation, Gross return, Net return, BC Ratio		

FLD : 4

Title of FLD	**Demonstration of flat fan nozzle for spraying of herbicide in paddy field**		
Season & Year	Kharif 2025		
Main Problem	Severe weed infestation in paddy fields affect plant growth resulted into low productivity		
Main cause of problem	Improper droplet size and spray drift of herbicides could not control weeds effectively		
Full detail of farmer's Practice	Application of herbicides without considering nozzle type		
Name of the Technology	**Application of flat fan nozzle for spraying of herbicide in paddy field**		
Full detail of technology to be demonstrated	Application of a flat fan nozzle for herbicides application to control of weeds in paddy fields		
Thematic area	**Weed Management**		
Source of Technology with year	ICAR-Directorate of Weed Research, Jabalpur : 2019		
Name of villages	Bangaon (Kahra)		
Farming situation	Eastern (North Bihar) plain, hot dry to moist sub humid ecosystem with alluvium derived soils and LGP 180-210 days		
Area (ha)/Unit (No.)	2.0 ha	**No of farmers**	10
Performance indicator	(I) Technical indicator- Weeding efficiency, weed index, No. of effective tillage, No. of grain per panicle. (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio		

FLD : 5

Title of FLD	**Enhancing farmers livelihoods and nutrition through improved mushroom cultivation practices**
Season & Year	Summer and Rabi 2025
Main Problem	Low adaptation of mushroom cultivation technology and limited awareness of the Nutritional and economical potential of mushroom
Main cause of problem	Limited knowledge of the Nutritional and economical potential of mushroom among farming communities
Full detail of farmer's Practice	Cultivating only oyster mushroom on limited area
Name of the Technology	**Scientific techniques for cultivation of mushroom throughout the year**
Full detail of technology to be demonstrated	Scientific cultivation of mushroom cultivation with details package and practice.

Thematic area	**Mushroom Cultivation**		
Source of Technology with year	BAU Sabour		
Name of villages	Sapha and Jagir		
Farming situation	Homestead		
Area (ha)/Unit (No.)	10 units	**No of farmers**	10
Performance indicator	(I) Technical indicator- Production (kg.)/unit, appearance (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio		

FLD : 6

Title of FLD	**Household food security through Nutri garden**		
Season & Year	2025		
Main Problem	Inadequate consumption of seasonal fruits and vegetables in daily diet in rural area due to higher price of fresh vegetables and fruits and lack of knowledge about balanced diet		
Main cause of problem	unemployment with less land holding		
Full detail of farmer's Practice	Irregular practices of cultivating vegetables/fruits in backyard		
Name of the Technology	**Nutritional Garden**		
Full detail of technology to be demonstrated	Scientific and modern practices for establishment of Nutri garden for household food security throughout the year		
Thematic area	**Household food security**		
Source of Technology with year	BAU, Sabour		
Name of villages	Sapha and Samda		
Farming situation	Homestead		
Area (ha)/Unit (No.)	30 units	**No of farmers**	30
Performance indicator	(I) Technical indicator- production (kg./unit) (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio		

FLD : 7

Title of FLD	**Demonstration of high yielding variety of Bottle gourd**		
Season & Year	Summer 2025		
Main Problem	Low productivity of bottle gourd in this region		
Main cause of problem	Lack of knowledge of high yielding varieties and unavailability of quality seeds in the local market		
Full detail of farmer's Practice	Use locally available variety stored/ preserve locally at household level		
Name of the Technology	Full package and practice for scientific cultivation of Bottle gourd with high yield variety		
Full detail of technology to be demonstrated	Full package and practice for scientific cultivation of Bottle gourd with high yield variety		
Thematic area	**Yield Increment**		
Source of Technology with year	NDUAT, 2001		
Name of villages	Tulsiyahi, Bareta & Bakhari		
Farming situation	Paddy-wheat-bottle gourd		
Area (ha)/Unit (No.)	1.0	**No of farmers**	10
Performance indicator	(I) Technical indicator- Yield (q/ha), No. of fruits/plant (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio		

FLD : 8

Title of FLD	**Demonstration of high yielding variety of Sabour Makhana 1**		
Season & Year	Rabi 2025		
Main Problem	Low productivity and low popping quality of Makhanain this region.		
Main cause of problem	Lack of knowledge of high yielding varieties and unavailability of quality seeds in the local market		
Full detail of farmer's Practice	Use locally available variety stored/ preserve locally at household level		
Name of the Technology	Full package and practice for scientific cultivation of Makhana with high yield variety		
Full detail of technology to be demonstrated	Full package and practice for scientific cultivation of Makhana with high yield variety		
Thematic area	**Yield Increment**		
Source of Technology with year	BAU, Sabour 2016		
Name of villages	Sahidih & Mahawa		
Farming situation	Low land with tropical and subtropical climate, along with sufficient rainfall and humidity in this region		
Area (ha)/Unit (No.)	2.0	**No of farmers**	05
Performance indicator	(I) Technical indicator- Yield (q/ha), Grading of nuts (II) Economic indicator : Cost of cultivation, Gross return, Net return, BC Ratio		

3.3 Training (Including the sponsored and FLD training programmes): Note: 25 participants per training

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	1	15	5	20	4	1	5	25
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	1	15	5	20	4	1	5	25
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	2	30	10	40	8	2	10	50
Exotic vegetables like Broccoli								
Export potential vegetables	2	30	10	40	8	2	10	50

Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	2	30	10	40	8	2	10	50
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants	1	15	5	20	4	1	5	25
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology	1	15	5	20	4	1	5	25
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition	1	15	5	20	4	1	5	25
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology	1	15	5	20	4	1	5	25
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management	1	5	5	10	5	10	15	25
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	5	5	25
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	25
Minimization of nutrient loss in processing	1	0	20	20	0	5	5	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques								

Value addition	1	0	20	20	0	5	5	25
Income generation activities for empowerment of rural Women	3	30	30	60	8	7	15	75
Location specific drudgery reduction technologies								
Rural Crafts	1	0	20	20	0	5	5	25
Women and child care	1	0	20	20	0	5	05	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	20	0	20	0	5	5	25
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	2	40	0	40	10	0	10	50
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	04	70	10	80	15	05	20	100
Integrated Disease Management	02	30	10	40	8	2	10	50
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
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								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)	2	30	10	40	8	2	10	50
Organic manures production (A.S.)	1	15	5	20	4	1	5	25
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets	1	15	5	20	4	1	5	25
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	1	15	5	20	4	1	5	25
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								

Entrepreneurial development of farmers/youths (Agro)	2	25	15	40	5	5	10	50
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)Renewable energy	1	15	5	20	4	1	5	25
TOTAL								

B) Training (OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	5	75	25	100	20	5	25	125
Cropping Systems	1	15	5	20	4	1	5	25
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	15	5	20	1	4	5	25
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	1	15	5	20	4	1	5	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	15	5	20	4	1	5	25
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1	15	5	20	4	1	5	25
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology	1	15	5	20	4	1	5	25
Processing and value addition								

e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology	2	30	10	40	8	2	10	50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
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								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	1	0	20	20	0	5	5	25
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	3	60	0	60	15	0	15	75
Use of Plastics in farming practices								
Production of small tools and implements	2	40	0	40	10	0	10	50
Repair and maintenance of farm machinery and implements	1	15	5	20	4	1	5	25
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	3	45	15	60	12	3	15	75
Integrated Disease Management	1	15	5	20	0	5	5	25
Bio-control of pests and diseases								

Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
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								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)	1	10	5	15	5	5	10	25
Organic manures production (A.S.)								
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								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)Health & Hygiene	1	15	5	20	4	1	5	25
TOTAL								

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								

Resource Conservation Technologies	6	90	30	120	24	6	30	150
Cropping Systems	1	15	5	20	4	1	5	25
Crop Diversification								
Integrated Farming								
Water management								
Seed production	1	15	5	20	4	1	5	25
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	15	5	20	1	4	5	25
Nursery raising	2	30	10	40	8	2	10	50
Exotic vegetables like Broccoli								
Export potential vegetables	2	30	10	40	8	2	10	50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	1	15	5	20	4	1	5	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	3	45	15	60	12	3	15	75
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1	15	5	20	4	1	5	25
c) Ornamental Plants								
Nursery Management								
Management of potted plants	1	15	5	20	4	1	5	25
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology	2	30	10	40	8	2	10	50
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition	1	15	5	20	4	1	5	25
f) Spices								
Production and Management technology	2	30	10	40	8	2	10	50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology	1	15	5	20	4	1	5	25
Post harvest technology and value addition								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping	1	15	5	20	4	1	5	25
Integrated farming								
Seed production								
Production of organic inputs	1	15	5	20	4	1	5	25
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								

Repair and maintenance of farm machinery and implements	1	15	5	20	4	1	5	25
Nursery Management of Horticulture crops								
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								
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL								
G. Total								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management	1	5	5	10	5	10	15	25

Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	20	20	0	5	5	25
Design and development of low/minimum cost diet	1	15	5	20	4	1	5	25
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	25
Minimization of nutrient loss in processing	1	0	20	20	0	5	5	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1	0	20	20	0	5	5	25
Income generation activities for empowerment of rural Women	3	30	30	60	8	7	15	75
Location specific drudgery reduction technologies	1	0	20	20	0	5	5	25
Rural Crafts	1	0	20	20	0	5	5	25
Women and child care	1	0	20	20	0	5	05	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	4	80	0	80	15	5	20	100
Use of Plastics in farming practices								
Production of small tools and implements	2	40	0	40	10	0	10	50
Repair and maintenance of farm machinery and implements	2	40	0	40	10	0	10	50
Small scale processing and value addition	1	15	5	20	4	1	5	25
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	07	115	25	140	27	08	35	175
Integrated Disease Management	03	45	15	60	8	7	15	75
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
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								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	2	30	10	40	8	2	10	50
Organic manures production	1	10	5	15	5	5	10	25
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								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production	2	25	15	40	5	5	10	50
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
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								
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								

Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total								
G. TOTAL								

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	06	100	50	150	6	0	6	106	50	156
Kisan Mela	01	200	50	250	-	-	-	200	50	250
Kisan Ghosthi	16	600	200	800	4	0	4	604	200	804
Exhibition	01	200	50	250	-	-	-	200	50	250
Film Show	04	80	20	100	0	0	0	80	20	100
Farmers Seminar	01	20	05	25	0	0	0	20	05	25
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	02	20	40	60	0	0	0	20	40	60
Lectures delivered as resource persons	10	200	100	300	20	10	30	220	110	330
Newspaper coverage	08	-	-	-	-	-	-		-	-
Radio talks	0	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	04	300	100	400	-	-	-	300	100	400
Extension Literature	04	750	250	1000	-	-	-	750	250	1000
Advisory Services	0	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	20	150	50	200	-	-	-	150	50	200
Farmers visit to KVK	400	250	150	400	-	-	-	250	150	400
Diagnostic visits	20	15	05	20	-	-	-	15	05	20
Exposure visits	02	60	40	100	-	-	-	60	40	100
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	01	40	10	50	01	0	01	41	10	51
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	02	0	60	60	0	02	02	0	62	62
Celebration of important days (specify)	10	800	400	1200	10	05	15	810	405	1215
Krishi Mohostva	0	0	0	0	0	0	0	0	0	0
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	01	150	50	200	10	05	15	160	60	220
Pre Rabi workshop	01	150	50	200	10	05	15	160	60	220
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0

Total										

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	R. Sweta- 09 ha.	400
		S. Hera- 04 ha.	160
		S. Sampann- 01 ha.	40
	Wheat	DBW187- 04ha	
OILSEEDS	Mustard	RH 725- 04 ha	04
	Linseed	S. Tisi 1-01	01
PULSES	Lentil	IPL 220-02	08
	Pea	Prakash-01	02
VEGETABLES	Rabi season vegetables seedling	Cabbage, Cauliflower, chilli, Broccali	5000 No
OTHERS (Specify)	Mushroom	Oyester	1

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
SPICES			
VEGETABLES			
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				

FISHERIES				

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start : 08.07.2025

Number of copies to be published : 500

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	02
2	Technical reports	06
3	News letters	01
4	Training manual all discipline	05
5	Popular article	06
6	Extension literature	02
	Total	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1			

3.7. Success stories/Case studies identified for development as a case. -

a. Brief introduction/Background: **Value addition and quality upgradation of pop makhana**

b. Interventions/process: Grading and processing of row makhana seeds

c. Output: High graded poped makhana

d. Outcomes: Better market price

e. Impact

i) Social economic: Saharsa is a major producing district of Makhana in Bihar. The area covered under makhana cultivation is more than 5,000 ha.

ii) Bio-Physical : Low land area with suitable climate for makhana cultivation with area near Koshi river.

f. Good Action Photographs: Provided after completion of case study.

3.8 Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

a) Farmers scientist interaction

b) Group discussion

c)

Rural Youth

a) Local need based analysis with youth interaction

b) Group discussion

c**)**

d)

In-service personnel

a) Local need based analysis

b) Interaction with the line department

c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix based ranking & analysis
iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - Bareta (Kahra),
ii. No. of farm families selected per village: 02
iii. No. of PRA conducted: 10
iv. No. of technologies taken to the adopted villages: 04
v. Name of the technologies found suitable by the farmers of the adopted villages: DSR Paddy, Mushroom cultivation, Backyard poultry, ZTT wheat, IPM in Maize, Management of mango orchard
vi. Impact (production, income, employment, area/technological– horizontal/vertical)
vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	05	
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	ICAR-ATARI Patna	Financial and technical support	Facilitate the KVK system for farmers support activities
2.	DoEE, BAU, Sabour	Technical support	Facilitate the KVK system for farmers support activities
3.	BAMETI, Patna	Financial support for skill development	Facilitate the KVK system for farmers support activities
4.	DAO, Saharsa	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities
5.	DHO, Saharsa	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities
6.	NABARD, Saharsa	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities
7.	MBAC, Agwanpur	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities
8.	IFFCO	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Pre Kharif and Pre Rabi capacity building programme	Inter linkage with various farmers oriented programme	Facilitate the KVK system for farmers support activities
2			

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	**Kisan Bhawan**	**120**
2		
	Total	

6. Partnership with departments for technology out scaling (proposed):

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW										
Horticulture											
	PF/FW	Nursery Raising of vegetable	01	15	5	20	4	1	5	25	Feb.
	PF/FW	Cultivation of summer season vegetable crops	01	15	5	20	4	1	5	25	March
	PF/FW	Cultivation of Aromatic & Medicinal Plants	01	15	5	20	4	1	5	25	May
	PF/FW	Scientific cultivation of cole crops	01	15	5	20	4	1	5	25	July
Livestock prod.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Agril. Engg.											
	PF/FW	Utilization of solar energy for daily household activities	01	15	5	20	4	1	5	25	Feb.
	PF/FW										
Home Sc.											
	PF/FW	Importance of balanced diet and meal planning for pregnant and lactating women	02	15	05	20	4	1	5	25	Jan.
	PF/FW	Care and management of Nutri. Garden	01	0	20	20	0	5	5	25	March
	PF/FW	Empowering farm women with capacity building through Nutri. garden	01	0	20	20	0	5	5	25	April
	PF/FW	Mushroom production	02	0	20	20	0	5	5	25	May
	PF/FW	Income generation through backyard poultry	01	0	20	20	0	5	5	25	Aug.
	PF/FW	Value addition of locally available fruits and vegetables	01	0	20	20	0	5	5	25	Dec.
Plan prot.											
	PF/FW	IPM in Mango	01	0	20	20	0	5	5	25	May
	PF/FW	Nursery Management of paddy for less incidence of insect & pest	01	0	20	20	0	5	5	25	June
	PF/FW	IPM in cultivation of Paddy	01	0	20	20	0	5	5	25	July
	PF/FW	IDM in cultivation of Paddy	01	0	20	20	0	5	5	25	Aug.
	PF/FW	Use of bio control agent for management	01	0	20	20	0	5	5	25	Dec.

		of disease and pest									
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil Health											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW	Sustainable agriculture practices	01	15	05	20	4	1	5	25	Oct.
	PF/FW										
	PF/FW										
Horticulture											
	PF/FW	Plant Propagation technique in fruit plants	01	15	05	20	4	1	5	25	Jan.
	PF/FW	Layout & management of orchard	01	15	05	20	4	1	5	25	Jan.
	PF/FW	Scientific cultivation of Turmeric and ginger	01	15	05	20	4	1	5	25	April
	PF/FW	Off season vegetable cultivation	01	15	05	20	4	1	5	25	June
	PF/FW	Production & management technique of cultivation of vegetables	01	15	05	20	4	1	5	25	Sept.
	PF/FW	Package & practices of spices and condiments	01	15	05	20	4	1	5	25	Nov.
	PF/FW	Organic vegetables production	01	15	05	20	4	1	5	25	Dec.
Live Stock Production.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Agril. Engg.											
	PF/FW	Care & maintenance of Thresher	01	20	0	20	5	0	5	25	Jan.
	PF/FW	Application of ZT method for cultivation of Green gram	01	20	0	20	5	0	5	25	Feb.
	PF/FW	Application of ZT method for cultivation of Green gram	01	20	0	20	5	0	5	25	March
	PF/FW	Application of ZT method for cultivation of Green gram	01	20	0	20	5	0	5	25	April
	PF/FW	Application of DSR for high BC ratio	01	20	0	20	5	0	5	25	May
	PF/FW	Application of DSR for high BC ratio	01	20	0	20	5	0	5	25	June
	PF/FW	Care & maintenance of sprayers	01	20	0	20	5	0	5	25	July
	PF/FW	Care & maintenance of sprayers	01	20	0	20	5	0	5	25	Aug.
	PF/FW	Establishment of solar power irrigation system	01	20	0	20	5	0	5	25	Oct.
	PF/FW	Establishment of solar power irrigation system	01	20	0	20	5	0	5	25	Nov.
	PF/FW	Use of liquid fertilizers through MIS	01	20	0	20	5	0	5	25	Dec.
Home Sc.											
	PF/FW	Health and hygiene for women & children	01	0	20	20	0	5	5	25	Feb.
	PF/FW	Use of improved farm tools for farm women	01	0	20	20	0	5	5	25	June
	PF/FW	Vermi compost production with household and Nutri garden wastes	01	0	20	20	0	5	5	25	Dec.
	PF/FW										

Plant Protection											
	PF/FW	IPM in Rabi crops	01	15	05	20	4	1	5	25	Jan.
	PF/FW	IPM in Summer vegetables	01	15	05	20	4	1	5	25	Feb..
	PF/FW	IPM in Kharif crops	01	15	05	20	4	1	5	25	Sept.
	PF/FW	IPM in Rabi Vegetables	01	15	05	20	4	1	5	25	Oct.
	PF/FW	Management of soil borne diseases and pest	01	15	05	20	4	1	5	25	Nov.
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil health											
	PF/FW										
	PF/FW										
	PF/FW										

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			SC/ST participants			G. Total	Month of training
				M	F	T	M	F	T		
Vegetables	Seed Production	Seed Production technique of vegetable crops	04	15	5	20	4	1	5	25	Jan.
Mango	Layout and Management of Orchards	High density planting of mango	04	15	5	20	4	1	5	25	Feb.
Farm Machine	Repair & maintenance of farm machine	Operation & maintenance of farm tractor	03	20	0	20	5	0	5	25	Feb.
Vermi composting	Vermi composting	Use of vermi-compost in vegetable crops	04	15	5	20	4	1	5	25	April
Tailoring and Stitching	Tailoring and Stitching	Skill development training on tailoring and garment making	04	0	20	20	0	5	5	25	May
Vegetables	Organic cultivation of vegetables	Organic cultivation of vegetables	03	15	5	20	4	1	5	25	June
Women & child care	Designing and development for high nutrient efficiency diet	Balanced diet and meal planning for pregnant and lactating mother	03	0	20	20	0	5	5	25	June
Health and Nutrition	Health and Nutrition	Nutri. sensitive agriculture for rural women	03	0	20	20	0	5	5	25	July
Mushroom production	Income Generation	Oyster Mushroom Production Tech	04	5	15	20	1	4	5	25	Aug.
Mushroom production	Income Generation	Button Mushroom Production Technique	04	5	15	20	1	4	5	25	Sept.
MIS	MIS	Establishment care & maintenance of MIS	03	20	0	20	5	0	5	25	Sept.
Vegetables	Nursery raising technique	Nursery raising technique of seasonal vegetables	04	15	5	20	4	1	5	25	Sept.
Mango	INM	Role of Vermicompost in fruit production	04	15	5	20	4	1	5	25	Oct.
Value addition in fruits and vegetables	Value addition	Skill development in food processing and packaging	04	5	15	20	1	4	5	25	Oct.
Mushroom production	Income Generation	Mushroom Production Technique	10	15	5	20	4	1	5	25	Oct.
Wheat	Natural Farming	Production Technique of Natural Farming inputs	04	15	5	20	4	1	5	25	Nov.
Mango & Litchi	Orchard Management	Orchard Management of mango and litchi	05	15	5	20	4	1	5	25	Nov.
Garden	Skill development	Garden Keeper	10	15	5	20	4	1	5	25	Nov

Keeper											
Digital marketing	ICT application in agriculture	Digital marketing for rural startup	04	15	5	20	4	1	5	25	Dec.
Vermicompost producer	Income Generation	Vermicompost producer	10	15	5	20	4	1	5	25	Dec.

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	
				M	F	T	M	F	T		
On Campus											
	EF	IPM in Kharif Crops	01	20	0	20	0	0	0	20	
	EF	Protective cultivation of vegetables	01	20	0	20	0	0	0	20	
	EF	Production & management tech. of medicinal & aromatic plants	01	20	0	20	0	0	0	20	
	EF	Natural Farming	01	20	0	20	0	0	0	20	
	EF	Rejuvenation technique of old mango orchard	01	20	0	20	0	0	0	20	
	EF	IPM in Rabi Crops	01	20	0	20	0	0	0	20	
	EF	Women and child care	01	18	2	20	2	1	2	20	

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
PF	ATMA Saharsa		Kharif Maha abhiyan	05	400	100	500	100	25	125	500
PF	ATMA Saharsa		Rabi Maha abhiyan	05	400	100	500	100	25	125	500
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Signature of Senior Scientist & Head