

ACTION PLAN OF KVK MANPUR GAYA

(1st January to 31 December, 2025)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and Address of KVK	Telephone		E mail	Website
Krishi Vigyan Kendra, Manpur, Gaya - 823003	Office	FAX	kvkmanpurgaya@gmail.com	https://gaya.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Vice-Chancellor, Bihar Agricultural University, Sabour, Bhagalpur	0641-2452606	0641-2452606	vcbausabour@gmail.com	https://bausabour.ac.in

1.2.b. Status of KVK website: Yes Date when the website last updated: 07-07-2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): 99696

1.2.d Status of ICT lab at your KVK :

- a) No. of PC units : 06
- b) No. of Printers : 03
- c) Internet connection : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Er. Manoj Kumar Roy		+91 91223 86485	roykumarmanoj@gmail.com

1.4. Year of sanction: F. No. 18-13/94-AE-I Date: 24.03.2006

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	Senior Scientist & Head	Er. Manoj Kumar Roy	Senior Scientist & Head	M. Tech (Agril. Engg.)		L-13A	1,52,300	05-07-2019	Permanent	OBC	9122386485	kvkmanpur gaya@gmail.com	
2	SMS	Dr. Ashok Kumar	SMS (Extension Education)	Ph.D. (Extension Education)		L-10A	1,04,100	08-01-2008	Permanent	OBC	9471018020	drashokagriscientist@gmail.com	
3	SMS	Dr. Anil Kumar Ravi	SMS (Animal Science)	M.V.Sc		L-10	77,700	20-04-2012	Permanent	SC	8877858979	dranilravi@gmail.com	
4	SMS	Dr. Farhana Khatoon	SMS (Horticulture)	Ph.D.		L-10	57,800	10-11-2023	Permanent	EWS	6299193269	farhanakha toonsbo@gmail.com	
5	SMS	Dr. Monika Patel	SMS (Home Science)	Ph.D. in Home Science		L-10	57,800	27-02-2024	Permanent	Others	9517058977	smonikapatel17@gmail.com	
6	SMS	Dr. Rashmi Priyadarshi	SMS (Soil Science)	Ph.D. in Soil Science		L-10	57,800	04-03-2024	Permanent	SC	6206947529	rashmipriyadarshi.bau25@gmail.com	
7	Programme Assistant	Neha	Programme Assistant (L.T.)	B.Sc. (Ag.)		L-6	50,500	02-11-2012	Permanent	Others	8877758211	Neha600neha@gmail.com	
8	Computer Programmer	Dr. Ved Prakash	Programme Assistant (Computer)	Ph.D. (Computer Science)		L-6	49,000	20-05-2013	Permanent	OBC	9709816781	chandانبgp@gmail.com	
9	Farm Manager	Mr. Mukesh Kumar	Farm Manager	M.Sc. (Ag.)		L-6	50,500	30-10-2012	Permanent	Others	9199839787	kvkmukesh.bharti@gmail.com	
10	Accountant/Supervisor	Mr. Prem Kumar Thakur	Assistant	MBA (Finance)		L-6	49,000	13-04-2013	Permanent	Others	9430638701	Thakurpre m1979@gmail.com	
11	Stenographer	Mr. Patwardhan Kumar	Stenographer	M.A.		L-4	35,300	04-07-2013	Permanent	Others	9905478395	Patwardhan.kumar@gmail.com	
12	Driver	Mr. Rohit Kumar	Driver	Matric		L-3	29,300	22-05-2015	Permanent	OBC	8789641141	rohitkumar kvk@gmail.com	
13	Driver	Mr. Akhilesh Kumar Singh	Driver	B.A.		L-3		13-06-2016	Permanent	Others	9934908859	akhileshkr singh1720@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	1.5
2.	Under Demonstration Units	0.5
3.	Under Crops	4.5
4.	Horticulture	1.7
5.	Pond	-
6.	Others if any	
7.	Low land and water-logged area, Drain, Road	1.8
	Total	10.0

1.7. Infrastructural Development:
A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Complete Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Incomplete Plinth area (Sq.m)	Status of construction
1.	Administrative Building	Y		2011					
2.	Farmers Hostel	Y		2013					
3.	Staff Quarters (6)								
4.	Demonstration Units								
i)	Dairy Unit	Y		2023					
ii)	Goatry Unit	Y		2015					
iii)	Vermicompost Unit	Y		2019					
iv)	Biochar Unit	--	--	2021					
v)	Hydroponic Fodder Production Unit	--	--	2024					
vi)	Green Fodder Production Unit	--	--	2025					
vii)	Azola Unit	--	--	2019					
viii)	Natural Farming	--	--	2024					
ix)	Low Cost Mushroom Unit	--	--	2025					
x)	Nutri Garden Unit	--	--	2023					
5.	Fencing	Y							
6.	Rain Water harvesting system								
7.	Threshing floor								
8.	Farm godown		Y						
	Other								
9.	Community Radio Station (CRS)			2023		3000000.00			
10.	SMS Quarter G+3 (6 Nos. of 2BHK flats)	GoB	--	2025	223.23	16290197.18			
11.	Seed Godown	GoB	--	2025	124.33	3064492.54			
12.	Training Hall	GoB	--	2025	1025.65	83870322.12			
13.	Implement Shed	GoB	--	2025	222.23	5627196.82			
14.	Road 6m wide	GoB	--	2025	751 m	10590787.00			
15.	Road 3m wide	GoB	--	2025	943 m	6468198.77			
16.	Boundary Wall	GoB	--	2025	738.20 m	15527942.56			
17.	Utility Duct	GoB	--	2025	2647 m	26131553.29			
18.	Pump House	GoB	--	2025	12.60	2652309.33			
19.	Electrical (Street Light-28 & High Mast Light-4	GoB	--	2025	Street Light-28 Nos. & High Mast Light-4 Nos.	5860169.94			

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Tractor DIJ MF1035	2006	ICAR	386544.00	1196.3	Working
Tractor 65 HP ACE	2020	CRA	634465.00	753.4	Working
Bolero	2020	ICAR	800000.00	107497	Working
Motor cycle (02 Nos.)	2016	ICAR	120000.00	17043	Working
1. BR 02AA6793				21220	One Motor cycle is transferred to KVK, Amas, Gaya
2. BR 02AA6794					

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Lab equipment			
Microscope	2014	10005.00	Working
Vegetable Processing unit	2014	311325.00	Not working
Sewing Machine (9)	2017	49,900	Working
Soil Testing Kit (02)	2018	1,09,536	Working
Hot Air Unicursal Oven Inner Chamber made Size 450mm x 450 mm x 450mm	2020	13,500	Working
Digital Balance 600GM x 0.1G	2020	8,500	Working
AV Aids			
Computer with accessories	2012	49145	Working
Photocopier Machine	2014	75000	Working
Biometric based attendance machine	2014	24750	Working
Ahuja PA Lectern System WSL2500R	2016	38000	Working
Map My India Navigator LX140WS	2016	6000	Working
Computer + Laptop (1+1)	2016	82,583	Working
Dell Desktop I5/4/1TB computer set (1)	2016	49500	Working
Xerox Photocopier- cum –printer with cartridge, Trolly & stabilizer (1)	2016	98,022	Working
Computer + Laptop (1+1)	2016	82,583	Working
CCTV Camera (4)	2016	21,000	Working
Projector with Projector Screen + Wi-Fi Dongle (1+1)	2016	52,000	Working
Video Camera Handy cam (1)	2016	82,871	Working
Sound System Ahuja (1)	2016	30,165	Working
LED TV Panasonic TH-32 C200DX (1)	2016	27,200	Working
Still Photographic Camera Cannon DSLR (1)	2016	29,600	Working
Garmin Etrex 20 Handheld GPS (1)	2017	14,451	Working
HP Printer LaserJet M1005 MFP (1)	2017	14,700	Working
HP Scanner 200 Flatbed (1)	2017	4,200	Working
Mantra NFS 100 Bio-metric Fingerprint USB (1)	2017	5000	Working
Hitachi AC Split Model RSB318 IBEA	2018	90,000	Working
V. Guard Stabilizer Model VWE-400	2018	8,000	Working
Desktop All in One INSP 24-3477/I5-7200 S. Tag - FJKT902	2018	45,339	Working
Printer HP LaserJet M1005 MFP S. No. CNKNL2TKNG	2018	13,390	Working
CP-Plus 4CH UVR-0401e1-v4 (for CCTV)	2018	4,900	Working
HP Laptop i5-DAI030TU/15/4/1/W10 with Bag	2019	46,200	Working
HP Printer 319 AIO Tank	2019	10,200	Working
Sony Speaker SA-D40 S.No. S0113013093, HSN Code-8519	2019	8,490	Working
D-Link Router DIR615 S. No. Qx751I9004210	2019	2,350	Working
Hp Ink Tank 319 All In one	2019	10,740	Working
Speaker F&D T2 T2BI200100032 HSN Code - 8518	2021	11,400	Working
DATA Projector Sony Ex 430 SO17404309D	2021	39,990	Working
Logitech C922 Web Camera HSN 8525	2021	33,300	Working
LG 55UT6405 OTA LG 55" LED TV with Web OS	2021	56,700	Working
All in One 5400/CIS-11th Gen. Cores 11th	2021	76,900	Working
Dell All in One Desktop 5400 BLK Ci5	2022	81,200	Working
S8 250 Kg Plate form Scale (Balance)	2022	9,900	Working
Logitech Conference Webcam BCC-95 2053L7523329	2022	26,350	Working
HP Printer LaserJet Smart Tank MFP2606 SDW	2023	31,000	Working
Microtek UPS 2500VA JM 24 V	2023	12,800	Working
Lenovo Laptop 15IGL82V700E	2024	31,500	Working
HP Desktop All in One (AIO) 24-CB1902IN	2024	70,000	Working
Ahuja PA Lectern System ASL3000R	2024	35,900	Working

d) Farm Equipment

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Battery Spray Machine 2 in 1 (1No.)	2020	3,000.00	Working
S8 250 Kg Plate form Scale (1No.) (Balance)	2022	9,900.00	Working
Zero Till -11 Tyne (National) 11 Tyne Fluted Roller NZTD-0371 & 372 HSN Code-84323100 CRA Progm. (1No.)	2022	1,39,798.40	Working
STIHL Handheld Brush Cutter/Line Trimmer (1No.)	2023	24,828.00	Working
Lunia Mobile 400 Electronic Weighing Scale (100Kg) (1No.)	2023	10,799.00	Working
Lucky Seeder (National) Seed Drill 11 Tyne (1No.)	2023	1,48,950.00	Working
Cultivator Profile 9 Tyne (75mm) Agrimax 9 rigid tyne (1No.)	2023	23900	Working
MS-250, Chainsaw with Guidebar 18"/45cm (1No.)	2023	33,091.00	Working
Chaff Cutter, Machine complete set (1No.)	2023	11,000.00	Working
Power Knapsack (Aspee) 20 Liter KPS35/45 Jonath (1No.)	2024	15,500.00	Working
Thresher (Millet) (1No.) (Provided by ICRISAT, Hyderabad)	2024	2,45,000	Working
FM Power Weeder NWP-170F petrol	2025	46,500	Working
GTA 25 set with Battery and charger	2025	12,000	Working

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

Sl. No.	Date
1. Scientific Advisory Committee	19.06.2025

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 (Irrigated Plain)	Paddy – Wheat – Moong + Dairy Paddy-Wheat-Vegetables + Dairy	Loam, Kewal & Sandy Loam Soil
2	AES 2 (Rainfed Plain)	Paddy – Lentil/Chickpea - Fallow Paddy-Mustard - Moong	Sandy Loam, Light to heavy loam soil

b) Land Characteristics

S. No.	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Irrigated Plain)	Flat to gently sloping	Well-drained with gentle slopes
2.	AES-2 (Rainfed Plain)	Undulating plain	Moderately drained; some seasonal waterlogging in depressions

c) AES-wise major problems

S. No.	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Irrigated Plain)	Groundwater depletion	1
		Overdose of chemical fertilizer	2
		Land fragmentation	3
		Climate stress	4
2.	AES-2 (Rainfed Plain)	Drought-prone	1
		Poor soil	2
		Low irrigation	3
		Degraded ahar-pyne systems	4
		High poverty	5

d) AES-wise Block Covered

S.No.	Agro-Ecological Situation (AES)	Block Covered
1.	AES-1 (Irrigated Plain)	Tekari, Konch, Belaganj, Paraiya, Guraru, Gurua, Nagar, Manpur, Khizersarai
2.	AES-2 (Rainfed Plain)	Bodhgaya, Atri, Bathani, Mohra, Wazirganj, Fatehpur, Tankuppa

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
Kharif						
1	Paddy	190186.60	667554.97	35.10		
2	Maize	6039.15	23353.39	38.67		
3	Ragi	581.87	581.87	10.0	+0.1	-13.48
4	Arhar	4095.90	7987.01	19.5	-6.3	-12.3
5	Urad	248.75	186.56	7.5		
6	Moong	454	241.1	5.3		
7	Kulthi	539.02	377.31	7.0		
8	Groundnut	416.59	416.59	10.0		
9	Til	384.70	384.70	10.0		
10	Sunflower	24.15	50.72	21.0		
Rabi						
1	Wheat	96870	290610	30.00		
2	Maize	3441	26950	78.32		
3	Barley	2813	3938	14.00		
4	Gram	14816	26668	18.00		
5	Lentil	18500	24051	13.00	1.71	-6.3
6	Pea	1140	1810	15.88		
7	Linseed	1810	2400	13.26		
8	Rai/Sarson	3796	4937	13.01	4.08	10.12
Summer						
1	Green gram	28870	28470	9.86		
2	Til	339	339	10.00	-4.9	-7.3

Source: District agriculture department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	April	19.40				
	May	3.33				
	June	38.50				
	July	148.50				
	August	180.21				
	September	161.15				
	October	105.93				
	November	0.00				
	December	21.60				
	January	12.00				
	February	33.50				
	March	34.54				
Total		758.66				

Source: District agriculture department.

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Crossbred	51135	1755-2100 liters / lactation	7 liters / cow / day	1.55 liters / cow / day
Indigenous	587380	720-945 liters / lactation	2.5 liters / cow / day	2.5 liters / cow / day
Buffalo				
Buffalo	311287	600-900 / lactation	4-5 liters / day	2.9 liters / day
Sheep				
Sheep	150423		Meat: 10-11 kg / animal	3-5 kg / animal
Goats				
Goats	408445		Meat: 8.9 kg / animal	5-15 kg / animal
Pigs				
Pigs	89735		60-80 kg / animal	30-60 kg / animal
Poultry				
Hens	399471	180-220 eggs /bird/ year	180-220 eggs /bird/ year	80-100 eggs /bird/ year

Desi	6107	80 eggs /bird/ year	80 eggs /bird/ year	220 eggs /bird/ year
Category		Production (q)	Productivity	
Fish (Reservoir)		11400 tonnes	2.9 tonnes /ha	2-3 tonnes / ha

*Statistical 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
Gaya	Nagar	Kandi	Paddy	35	Use of non-recommended Pesticide, Use of traditional varieties	IPM, Improved seed and seed treatment, Mushroom Production
		Rasalpur	Wheat	30		
		Madan Bigha	green gram	5		
		Bitho Sarif	Vegetables			
		Rahim Bigha				
	Takeya					
	Wazirganj	Shankar Bigha	Lentil	13.5	Use of non-recommended Pesticide, Use of traditional varieties	
		Bishunpur	Chick pea	10		
		Budhgheriya	Wheat	25		
		Punawan	Paddy	36		
		Kenardih	Mustard	11		
		Kadhariya				
	Malathiya					
	Manpur	Sondhi	Vegetables		Lack of irrigation facility, Use of non-recommended Pesticide, Use of traditional varieties	
		Sadipur	Muskmelon	172.86		
		Sanaut	wheat	24		
		Lakhanpur	mushroom	1.5 kg/bag		
		Sikhar				
		Mastalipur				
	Kamalpur					
	Tekari	Gulariyachak Khanetu	Wheat	23	Low yield, Lack of irrigation water, infestation of weeds, non-availability of quality seed, lack of crop resilient technology.	
			Paddy	36		
			Vegetables			
			Mustard	12		
	Neemchak Bathani	Naili Dhanmahua	Paddy	34	Low yield, Lack of irrigation water, infestation of weeds, non-availability of quality seed, lack of crop resilient technology.	
			wheat	28		
			Mustard	12		
			Lentil	11		
			Chickpea	16		

2.6 Top five major priority thrust areas:

- Climate resilient, bio-fortified and improved varieties of major crops.
- Seed production of major crops and promotion of horticultural crops.
- Soil fertility management.
- Entrepreneurship development and women empowerment.
- Enhancing milk yield through balanced feeding in dairy animals

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
9	90	23.55	4	380

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
103	2575	1270	7483

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
228.0	24500	-	250

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	Climate resilient, bio-fortified and improved varieties of major crops.	1. Cauliflower 2. Mustard 3. Lentil 4. Sesame	1. Malnutrition particularly stunting is a main problem in children of Gaya district 2. Use of Oil in cooking which is high in Erucic acid 3. Cultivation of traditional variety (HUL 57)		1. Demonstration on Bio-fortified cauliflower variety Pusa Beta Kesari-1 2. Demonstration on Bio-fortified Mustard Variety PUSA Mustard- 31 3. Demonstration of biofortified Lentil Variety IPL-220	1. Scientific cultivation of Sesame, ragi, mustard 2. Bio-fortified crop varieties and their benefits in human health 3. Crop residue management for sustainable health		Field day Kisan Gosthi Farm visit Advisory service	Supply of seed in FLD and through farm seed sale
2	Seed production of major crops and promotion of horticultural crops.	1. Ragi 2. Bottle gourd 3. Okra 4. Muskmelon	1. Low yield of Ragi 2. Low marketable yield. 3. Low production of Okra due to YVMV disease. 4. Low profitability due to high post harvest loss.		1. Demonstration of RAU-8 variety of Ragi in Gaya district 2. Assessment of high yielding variety in Bottle gourd 3. Assessment of YVMV resistant variety in Okra 4. Assessment of High yielding muskmelon variety	1. Scientific cultivation of Cabbage and Cauliflower, Cucurbitaceous vegetables, leafy Vegetables, Banana, Marigold	1. Production technology of strawberry & Dragon fruit	Field day Kisan Gosthi Farm visit Advisory service	Supply of seed in FLD and through farm seed sale

3	Soil fertility management	1. Rice, Wheat, Mustard 2. Soil health card	Low yield of Rice, Wheat, Mustard	1. To assess the effect of Sulphur and Zinc on growth and yield attributes of rice 2. Assessment of soil health management practices for improving wheat productivity	1. Demonstration of organic and Biofertilizers on soil health and rice yield 2. Demonstration of Sulphur and Micronutrients (Zn, B) in Mustard	1. Awareness on use and importance of soil health card 2. Motivating farmers to adopt Natural farming: the way of improving soil health 3. Balance use of fertilizer in vegetables 4. Integrated Nutrient Management in paddy 5. Soil & Crop management practices to increase NUE 6. Micro nutrient deficiency symptoms and its management in crops 7. Management of acidic soil	1. Recent advances in soil management technique	Field day Kisan Gosthi Farm visit Advisory service	Supply of Bio-fertilizer in FLD/CFLD /SCSP
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4	Entrepreneurship development and women empowerment.	1. Tomato 2. Button mushroom	1. Low income from tomato during peak time of tomato harvesting 2. Landless farmers don't have regular source of income		1. Demonstration on value addition of tomato products for income generation 2. Demonstration on Button Mushroom Cultivation	1. Income generation through FPO 2. Income generation through mushroom Production 3. Empowerment of rural women 4. Preparation of carry bag from paper for income generation 5. Tie and Dye making for Income Generation 6. Stitching of garments for income and employment generation 7. Income and employment generation through handy craft preparation		Field day Kisan Gosthi Farm visit Advisory service	-
5	Enhancing milk yield through balanced feeding in dairy animals	1. Fodder 2. Dairy				1. Balanced Feeding & Low-Cost Feed Formulation 2. Method of calculation of balanced ration in dairy animals		Field day Kisan Gosthi Farm visit Advisory service	Supply of mineral mixture & fodder

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										
Integrated Crop Management										
Integrated Nutrient Management	2					1				
Integrated Farming System										
Mushroom cultivation				1						
Drudgery reduction					1					
Farm machineries										
Value addition					1					
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology						1				
Small Scale income generating enterprises										
TOTAL	2			1	2	2				

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	1							
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
Dairy Management	1							
TOTAL	2							

B. Details of On Farm Trial

OFT - 1

Crop	Dairy Cattle
Season	Winter
Main problem	Cold stress affecting dairy cattle health, milk production, and calf growth due to inadequate shelter during winter.
Main cause	Traditional open cattle shelters offer inadequate protection from the cold, leading to reduced feed intake, higher incidence of illness, and decreased milk yield
Title of OFT	Assessment of Improved Shelter Management Practices for Dairy Cattle During Winter
Farming situation	Semi-intensive
Thematic area	Dairy management
Farmer practice	Traditional open cattle shed with mud floor and no insulation or protection from cold weather.
Technology option selected for assessment	T1: Traditional open cattle shed with mud floor and no insulation or protection from cold weather T2: Semi-enclosed cattle shelter with plastic sheet curtains, straw bedding (10 cm). T3: Enhanced shelters with jute bag coverings and insulated roofs using paddy

	straw or gunny bags.
Source of technology	ICAR-NDRI, Karnal (2021)
No of trial	10
Detail of critical input	Plastic sheet curtains for wall covering Gunny bags or jute sacks for protection
Cost of individual critical input	Rs. 2000
Total cost of critical input	Rs. 20000
Performance indicator to be recorded	(i) Technical indicator - Milk production (ii) Economic indicator - Cost of production, Gross return, Net return, B:C ratio (iii) Farmer perception

OFT - 2

Crop	Dairy Cattle
Season	Summer (April–June)
Main problem	Heat stress in cattle leading to reduced milk yield and feed intake.
Main cause	Inadequate ventilation, direct sun exposure, and lack of cooling systems in cattle shelters during high ambient temperatures and humidity.
Title of OFT	Effect of Shelter Cooling Using Fogger System to Alleviate Heat Stress in Dairy Cattle during Summer
Farming situation	Traditional sheds in Gaya district with tin/asbestos roofing, poor ventilation, and no cooling devices.
Thematic area	Dairy Management
Farmer practice	Cattle housed under tin/asbestos roof, no insulation or cooling devices, limited shade.
Technology option selected for assessment	T1 (Farmer Practice): Conventional housing without cooling; no foggers or shading. T2: Fan + green net on side walls for shading. T3: T1 + Installation of automated fogger system for evaporative cooling.
Source of technology	University of Agricultural Sciences, Raichur, Karnataka (2023)
No of trial	10
Detail of critical input	Shade net, Fogger system
Cost of individual critical input	5000
Total cost of critical input	50000
Performance indicator to be recorded	(i) Technical indicator – Milk yield, Respiration rate (ii) Economic indicator - Cost of production, Gross return, Net return, B:C ratio (iii) Farmer perception

OFT - 3

Crop	Vegetable crops
Season	Kharif and Rabi
Main problem	Harvesting of Vegetable Crops cause cuts, Rashes on hand of farmers
Main cause	Manually harvesting of vegetable causes irritation, allergies and black patches on hand of farmers while performing harvesting of vegetables
Title of OFT	Assessment of effectiveness of vegetable harvesting cutter of vegetable crops
Farming situation	Home stead
Thematic area	Drudgery Reduction
Farmer practice	Manual Harvesting of okra
Technology option selected for assessment	T1 - Silicon based harvesting cutter T2 - Silicon harvesting cutter with gloves T3 - Bhindi Cutter
Source of technology	PAU Punjab (2020)

No of trial	20
Detail of critical input	Silicon based harvesting cutter, Bhindi cutter and gloves
Cost of individual critical input	Rs. 200/-
Total cost of critical input	Rs 4000/-
Performance indicator to be recorded	(i)Technical indicator: Work efficiency (%), comfort level and musculoskeletal problems (ii)Economic indicator: Labour cost saving (Rs/ha), B:C ratio (iii)Farmer perception

OFT – 4

Crop	Moringa
Season	2025-26
Main problem	Malnutrition in farm families
Main cause	Farm families are not taking proper balance diet
Title of OFT	Assessment of Moringa Powder for Chapati Fortification
Farming situation	Homestead
Thematic area	Value Addition
Farmer practice	Farmers are using moringa in vegetable form
Technology option selected for assessment	Prepare chapatis with varying levels of moringa powder: T1 – 5% moringa leaves powder T2– 10% moringa leaves powder T3 – 15% moringa leaves powder
Source of technology	PJTS Agricultural University, Rudrur, Telangana, India (2021)
No of trial	10
Detail of critical input	Moringa leaves powder
Cost of individual critical input	Rs. 100/-
Total cost of critical input	Rs 3000/-
Performance indicator to be recorded	(i)Technical indicator: Sensory Evaluation by using Hedonic Table (ii)Economic indicator: Anthropometric measurement, Weight (Kg), Height (Meter), BMI, MUAC (iii)Farmer perception

OFT – 5

Crop	Mushroom
Season	2025-26
Main problem	Low production of oyster mushroom in low and high temperature
Main cause	High and low temperature from October to March in Gaya district
Title of OFT	Assessment of performance of Oyster mushroom species in Gaya district
Farming situation	Homestead
Thematic area	Mushroom production
Farmer practice	Farmers are using <i>Pleurotus Sajorcaju</i> species of oyster mushroom
Technology option selected for assessment	T1: <i>Pleurotus Florida</i> T2: <i>Pleurotus Ostretous</i>
Source of technology	DMR, Solan (2021)
No of trial	10
Detail of critical input	Spawn, Formalin, Plastic Bag, Rubber
Cost of individual critical input	Rs. 300/-
Total cost of critical input	Rs 3000/-
Performance indicator to	(i)Technical indicator: Days to colonization in bag, cultivation period: days, Yield-

be recorded	(Kg/bag), (ii)Economic indicator: Cost of production, Net income-Rs., B:C ratio (iii)Farmer perception
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OFT – 6

Crop	Mango
Season	Kharif
Main problem	Low yield of mango cultivars.
Main cause	Seldom use of chemical fertilizer and organic fertilizer caused low yield of fruits.
Title of OFT	Assessment of Bio- fertilizer and micronutrient formulation in cv. Amrapali
Farming situation	Soil Type: Sandy loam, Land Type: Medium land, Irrigation Type: Irrigated Plain
Thematic area	Integrated Nutrient Management
Farmer practice	Farmers are using 50 kg FYM per plant
Technology option selected for assessment	T1: Arka Mango Special spray 5gm/lit (Two times) Time of Foliar Spray: First Spray – October – November, Second Spray - February - March T2: ½ dose of RDF (N:P: K::500: 250: 250 gm /tree) + 50 Kg FYM + Azospirillum culture (250 g/ tree) Time of Application: August – September
Source of technology	IIHR Bangalore, AICRP Sabour
No of trial	10
Detail of critical input	Arka Mango Special – 2100gm, Azospirillum culture – 3.5 Kg
Cost of individual critical input	Arka Mango Special: Rs. 540/- Azospirillum culture: Rs. 700 /-
Total cost of critical input	Rs. 10,000/-
Performance indicator to be recorded	(i)Technical indicator: Avg. Fruit weight (gm), Fruit Yield per Plant (kg/tree) (ii)Economic indicator: Cost of cultivation (Rs.), Gross Return (Rs.), Net return (Rs.), B:C ratio (Rs.) (iii)Farmer perception: Interacted with farmers and they are interested to see the result of trail.

OFT – 7

Crop	Mango
Season	Kharif
Main problem	Less return due to lack of suitable intercrop in mango orchard
Main cause	No intercropping in mango orchard
Title of OFT	Assessment of suitable intercrop in Mango Orchard
Farming situation	Soil Type: Sandy loam, Land Type: Medium land, Irrigation Type: Irrigated Plain
Thematic area	Resource Conservation Technology
Farmer practice	Mango orchard without intercropping
Technology option selected for assessment	T1: Intercropping of Mango + Turmeric T2: Intercropping of Mango + Lobia
Source of technology	ICAR RCER FSRCHPR, Palandu, Ranchi CISH, Lucknow
No of trial	10
Detail of critical input	Turmeric –100 Kg, Lobia - 5 Kg
Cost of individual critical input	Turmeric – 7000/-, Lobia – 2000/-
Total cost of critical input	Rs. 9000/-
Performance indicator to be recorded	(i)Technical indicator: Yield of main crop (Mango), Yield of intercrop (ii)Economic indicator: Cost of cultivation, Gross Return, Net return, B:C ratio (iii)Farmer perception: Interacted with farmers and they are interested to see the result of trail.

OFT – 8

Crop	Rice
Season	Kharif -2025
Main problem	Low yield of Rice
Main cause	Imbalance use of chemical fertilizer and no use of Secondary (S) and micronutrient (Zn)
Title of OFT	To assess the effect of Sulphur and Zinc on growth and yield attributes of rice
Farming situation	Soil type- Sandy loam, Clay loam Land type-Upland, medium land/ Low land Irrigation type-Irrigated/Rainfed Previous crop- Chickpea/Lentil
Thematic area	Integrated Nutrient management
Farmer practice	83% of N (100kg), 50% of P_2O_5 , (50 kg) and 75 % of K_2O (30kg) of RDF (120:60:40 NPK kg/ha) and no application of Secondary (S) and micronutrient (Zn)
Technology option selected for assessment	T1: RDF + Sulphur @ 25kg/ha T2: RDF + Sulphur @ 25kg/ha + $ZnSO_4$ @ 25 kg/ha
Source of technology	SHUATS, Prayagraj-2023
No of trial	10
Detail of critical input	Sulphur, $ZnSO_4$
Cost of individual critical input	Rs. 350/-
Total cost of critical input	Rs. 3500/-
Performance indicator to be recorded	(i)Technical indicator: a) Yield attributing characters (Plant height, Grains/panicle, No. of tillers/m ² , panicle length, Grains/panicle, Grain yield) b) Soil analysis (Soil Health status before and after) (ii)Economic indicator: Cost of cultivation, Net return (iii)Farmer perception

OFT – 9

Crop	Wheat
Season	Rabi -2025-26
Main problem	Low yield of wheat
Main cause	Imbalance use of fertilizers
Title of OFT	Assessment of Integrated Nutrient Management in wheat
Farming situation	Soil type- Clay loam Land type- Low land Irrigation type-Irrigated Previous crop-Rice
Thematic area	Integrated Nutrient management
Farmer practice	108:32:20 NPK kg/ha
Technology option selected for assessment	T1: Soil test based NPK+FYM @ 2t/ha before sowing T2: T1+ $ZnSO_4$ @ 25kg/ha+ seed treatment with (Bioprimer)
Source of technology	BAU, Sabour, 2022
No of trial	10
Detail of critical input	$ZnSO_4$, Azotobacter and PSB
Cost of individual critical input	Rs. 370/-
Total cost of critical input	Rs. 3700/-
Performance indicator to be recorded	(i)Technical indicator: a) Yield attributing characters (Plant height, No. of tillers/ plant, No. of spike/m ² , No. of grains/spike) b) Soil analysis- pH, EC, ESP (Soil Health status before and after) (ii)Economic indicator: Cost of cultivation, Net return, B:C Ratio (iii)Farmer perception

Impact Assessment – 1

Topic	Impact assessment of CFLD programme on yield and economics of lentil in Gaya district.
Problem	Low yield
Cause of problem	Lack of knowledge & partial/non-adoption of recommended package of practices of lentil crop
Thematic area	Capacity building.
Existing Practices	Seed @ 60kg/ha (Local/IPL 406), Seed treatment Carbendazim @ 2 gm/kg seed, N:P @ 30:20 kg/ha, Pendimethalin @ 2-2.5 lit./ha as pre-emergent.
Size of Sample	100 (50 Beneficiary + 50 Non beneficiary)
Monitoring indicators	I. Change in level of knowledge (%) II. Level of adoption of recommended package of practices of lentil crop III. Yield Parameters (kg/ha) i.e., Technology gap, Extension gap, percent change & Technology index (%) IV. Economic parameters (Rs. /ha) V. Farmer's satisfaction level (%) VI. Constraints faced in adoption of recommended package of practices of lentil crop.

Impact Assessment – 2

Topic	Assessing the impact of Skill Oriented training under BSDM/ASCI Programme in Entrepreneurship development.
Problem	Low level of enterprise development.
Cause of problem	Lack of knowledge.
Thematic area	Capacity building.
Size of Sample	75
Monitoring indicators	I. Change in level of knowledge (%) II. Level of adoption of recommended package of practices. III. Enterprise/units developed (%). IV. Change in economic status (Rs/year) V. Farmer's satisfaction level (%) VI. Constraints faced in establishment of enterprise/units.

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	Rice	Integrated nutrient management	100% RDF +PSB 2.5 kg/ha+ BGA 10kg/ha, applied to standing water (1-2 inches deep), Full dose of P& K and 50% of N as basal transplanting, remaining N in 2 splits: tillering and panicle initiation stage, weed management at 20 DAS and 35-40 DAS, need based spray of fungicides/ Insecticides.	organic and Biofertilizers	Kharif - 2025	5 ha	25	Technical indicator: Yield attributing characters (Plant height, tillers/m ² , Panicle length, Grain and straw yield (q/ha)) Economic indicators: Agronomical parameters (Net return, B:C Ratio, Cost of cultivation) Farmer Feedback: (I)
2	Ragi	Crop Diversification	Seed @ 5.0 kg/ha, Transplanting, seed treatment carbendazim @ 2.5	Seed-RAU-8	Kharif, 2025	3.0 ha	10	(I) Technical indicator- Yield (qt/ha) (II) Economic indicator - Cost of cultivation, Gross return, Net

			gm/kg seed, N:P:K=50:40:20kg, Bispyribac sodium @ 100 ml/600 lit water 20 DAT					return, B:C ratio III) Farmer Feedback- (I)
3	Mustard	Integrated nutrient management	RDF + Sulphur @20kg/ha Sowing in line, Use of treated seeds @ 5 kg/ha, Timely weed, insect- pest and disease management, Irrigation at critical growth stages if needed	Sulphur	Rabi & 2025-26	1 ha	10	Technical indicator: Yield attributing characters (Pl height, No. of branches/plant, No. of Siliqua/plant, yield) Economic indicators: Agronomical parameters (Net return, B:C Ratio, Cost of cultivation) Farmer Feedback: (I)
4	Mustard	Crop production	1. Bio- fortified Mustard variety Pusa Mustard-31 2. Seed rate- 4 kg/ha, Spacing (R x P- 30 x15 cm) 3. Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed 4. Fertilizer application as per soil test result	Seed-PUSA Mustard- 31	Rabi - 2025	4.0 ha	10	(I)Technical indicator- No of branches per plant, No. of siliqua per plant, No. of seed per siliqua, test weight (gm), Yield q/ha, (II)Economic indicator- Cost of production, Net income (Rs/ha), Gross return, Net income, B:C ratio. (I)Farmer Feedback-
5	Lentil	Crop diversification	Seed (IPL 220 @ 40/ha, Seed treatment with FIR, Soil treatment with Rhizobium culture @ 5kg/ha, N:P= 20:40 Kg/ha), Weedicide Pendimethalin @3 lit/ha 2DAS.	Seed- Lentil Variety IPL- 220	Rabi & 2025	4.0 ha	10	(I)Technical indicator- Yield (qt/ha) (II)Economic indicator - Cost of cultivation, Gross return, Net return, B:C ratio (III) Farmer Feedback- (III)
6	Vegetables	House hold nutritional security	Round the year vegetable cultivation in plot size – 150 m ² , Develop vegetables calendar in Kharif, Rabi and Summer season on rotation basis, use of high yielding varieties	Seed kit	2025-26	0.75	50	(II)Technical indicator- Yield in kg/kitchen garden, Availability of vegetable at house hold level, Consumption enhancement (%) (III)Economic indicator - Net saving Rs. / kitchen garden, B:C ratio Farmer Feedback-
7	Tomato	Value addition	Preparation of value-added products of tomato like Sauce: and preservation of tomato products by the addition of sugar, salt, acetic acid (glacial), onion, garlic, sodium benzoate and spice powder – the spice powder mix consist	Tomato	2025-26	2 Units	20	(II)Technical indicator- Duration of storage in months (III)Economic indicator- Cost of production, Gross return, Net income, Additional income, Manday generated, B:C ratio. Farmer Feedback-

			of clove, cinnamon, black pepper, cardamom, cumin, mace, red chilli powder, etc.					
8.	Bottle gourd	Integrated crop management	Yield potential of "Arka Shreyash" variety is 48 t/ha and resistant to gummy stem blight disease. Arka Shreyash is an open pollinated variety, will be ready to first picking by 60 days.	HYV of Bottle gourd	Kharif 2025	1 ha	16	Technical indicator growth and yield attributes. Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) Farmer feedback
9	Okra	Integrated disease management s	Arka Nikitha variety of okra, having yield potential 21-24 t/ha and fruits are dark green, tender, smooth and free from spines. First picking of fruits starts at 43-45 days after sowing and resistant to YVMV disease.	YVMV resistant variety in Okra	Kharif 2025	0.4 ha	8	Technical indicator growth and yield attributes. Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) Farmer feedback
10	Cauliflower	Integrated crop Management	1. Variety Pusa Beta Kesari-1 2. Seed rate 200 gm/ha., 3. Nursery raising- October 4. Transplanting- November 5. Line transplanting: Spacing 45 x 45cm., 6. Nutrient Management FYM 5-10 t/ha. + N: P: K @ as per soil test result 7. Need based plant protection measures	Seed-Pusa Beta Kesari-1	Rabi - 2025	0.25 ha	25	(II)Technical indicator- Curd size, Yield (Q/ha), III)Economic indicator- Cost of production, Net income (Rs/ha), Gross return, Net income, B:C ratio. Farmer Feedback -
11	Muskmelon	Integrated crop management s	Muskmelon variety "Arka Siri" fruits are dark orange flesh and a strong musky aroma. Fruits are sweet (TSS-12%) and having good shelf life.	HYV of Muskmelon	Summer 2025-26	1 ha	16	Technical indicator Yield and post-harvest loss attributes. Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) Farmer feedback (V)
12	Button Mushroom	Income generation	Cultivation of Agaricus bisporus For 200 Bags Preparation: Composting- Wheat straw-1000 Kg, Water-3000 lit, Urea-17 kg, Calcium Nitrate-20 kg, Super Phosphate-10 kg, Muriate of Potash-	1. Spawn 2. Compost 3. Casing material	2025-26	500 bags	50	(I)Technical indicator- Days to colonization in bag, cultivation period: days, Yield- Kg/bag, (II)Economic indicator- Cost of production, Net income – (Rs./bag), Gross return, Net income, B:C ratio IV)Farmer Feedback-

			10 kg, Wheat Bran-50 kg, Seera-16.66 kg, Gypsum-100 kg (Eight turnings are done to prepare compost) Spawning- Spawning is done using 0.5 to 0.75% of spawn in compost. Casing- Once spawn run is completed; 3-4 cm layer of casing is done using FYM and cocopeat. <i>Agaricus bisporus</i> can grow in low temperature (16-25°C)					
13	Fodder	Feed Management	Round the year fodder system production – Kharif, rabi, summer, perinial	Seed of fodder	2025-26	1.5 ha	10	(I)Technical indicator- Quintal/ha/year (II)Economic indicator - Cost of production, Gross return, Net return, B:C ratio (III)Farmer Feedback-
				Total				

Sponsored Demonstration (NIL)

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	14	Jan-Dec	350
2	Field days	5	March-April, Nov-Dec	250
3	Media coverage	5	Jan-Dec	Mass
4	Training for extension functionaries	2	Jan-Dec	50

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
Groundnut decorticator	groundnut	Kharif -2025	50	5 unit	Groundnut decorticator	(I)Technical indicator- Output (kg/hr), % increase in efficiency, WHR (beats/min), % reduce in drudgery, (II)Economic indicator- Net saving (Rs/h), B:C ratio. (III)Farmer Feedback -

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Backyard poultry	Vanraja	50	500	Chicks-Vanraja	(I)Technical indicator- Body weight, egg production (II)Economic indicator (Cost of production, Gross return, Net return, B:C ratio) (III) Farmer Feedback-

Details of FLD

FLD – 1

Title of FLD	Demonstration of Biofertilizers on soil health and rice yield		
Season & Year	Kharif & 2025		
Main Problem	Low yield of rice		
Main cause of problem	Imbalanced use of chemical fertilizers and Inefficient nutrient uptake		
Full detail of farmer's Practice	75% RDF (N:P:K), No use of biofertilizer input, Broadcasting of fertilizer without soil testing, Sowing/transplanting without seed or seedling treatment		
Name of the Technology	PSB and BGA		
Full detail of technology to be demonstrated	100% RDF +PSB 1 litre/ha+ BGA 25kg/ha, applied to standing water (1-2 inches deep), Full dose of P& K and 50% of N as basal transplanting, remaining N in 2 splits: tillering and panicle initiation stage, soil test based fertilizer application, PSB -1 L/ha applied through soil application in two splits: • First at 20 DAS (active tillering) • Second at 40 DAS (panicle initiation), BGA application in 7-10 days after transplanting in standing water with uniform broadcasting over 3-4 cm water depth, proper weed management 20 DAS, 2 nd at 35-40 DAS, As per recommendation need based spray of fungicides/ Insecticides)		
Thematic area	Integrated Nutrient Management		
Source of Technology with year	BAU, Sabour-2023		
Name of villages	Sohepur		
Farming situation	Soil type- Sandy loam, Clay loam Land type- Medium land/ Low land Irrigation type-Irrigated/Rainfed Previous crop- Wheat		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	10
Performance indicator	(I)Technical indicator- Yield attributing characters (Plant height, tillers/m ² , Panicle length, Grain and straw yield (q/ha)) (II)Economic indicator- Agronomical parameters (Net return, B:C Ratio, Cost of cultivation) (III)Farmer Feedback-		

FLD – 2

Title of FLD	Demonstration of RAU-8 variety of Ragi in Gaya district		
Season & Year	Kharif, 2025		
Main Problem	Low yield of ragi		
Main cause of problem	Unavailability of promising variety of ragi.		
Full detail of farmer's Practice	Seed – 8.0 kg/ha (purchased from neighbours), Transplanting, N:P:K= 40:20:10 kg		
Name of the Technology	Varietal performance		
Full detail of technology to be demonstrated	Seed @ 5.0 kg/ha, Transplanting, seed treatment carbendazim @ 2.5 gm/kg seed, N:P:K=50:40:20 kg, Bispribac sodium @ 100 ml/600 lit water 20 DAT		
Thematic area	Crop Diversification		
Source of Technology with year	RPCAU, Pusa		
Name of villages	Takeya, Sondhi, Malathiya, Bisunpur		
Farming situation	irrigated		
Area (ha)/Unit (No.)	3.0 ha	No. of farmers	10
Performance indicator	(I)Technical indicator- Yield (qt/ha) (II)Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

FLD – 3

Title of FLD	Demonstration of Sulphur in Mustard		
Season & Year	Rabi & 2025-26		
Main Problem	Low yield of mustard and oil content		
Main cause of problem	Imbalance use of chemical fertilizers		
Full detail of farmer's Practice	50% RDN (40kg) and 150% P ₂ O ₅ (60 kg) and 50% K ₂ O (20kg) of RDF (80:40:40 NPK kg/ha) No application of micronutrient, sowing by local method, seed rate – 8 kg/ha, Irrigation only if urgently required		
Name of the Technology	Balanced fertilization with Sulphur		
Full detail of technology to be demonstrated	RDF + Sulphur @20kg/ha Sowing in line, Use of treated seeds @ 5 kg/ha, Timely weed, insect- pest and disease management, Irrigation at critical growth stages if needed		
Thematic area	Integrated nutrient management		
Source of Technology with year	ICAR-IISS, Bhopal-2022		
Name of villages	Bishunpur		
Farming situation	Soil type- Sandy loam, Clay loam Land type- Medium upland Irrigation type-Irrigated Previous crop- Rice		
Area (ha)/Unit (No.)	4.0 ha	No. of farmers	10
Performance indicator	(I) Technical indicator- Yield attributing characters (PI height, No. of branches/plant, No. of Siliqua/plant, yield) (II) Economic indicator- Agronomical parameters (Net return, B:C Ratio, Cost of cultivation) (III) Farmer Feedback-		

FLD – 4

Title of FLD	Demonstration on Bio-fortified Mustard Variety PUSA Mustard- 31		
Season & Year	Rabi-20251		
Main Problem	Use of Oil in cooking which is high in Erucic acid		
Main cause of problem	Farmers are not using Bio-fortified mustard varieties for consumption		
Full detail of farmer's Practice	Farmers are growing local and improved varieties of mustard and using its oil in routine basis for food preparations		
Name of the Technology	Production of Bio-fortified Mustard Variety Mustard- 31		
Full detail of technology to be demonstrated	1. Bio-fortified Mustard variety Pusa Mustard-31 2. Seed rate- 4 kg/ha, Spacing (R x P- 30 x15 cm) 3. Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed 4. Fertilizer application as per soil test result Characteristics of variety 1. Pusa Mustard-31 – Low Erucic acid (<2.0%) in oil and glucosinolates (<30 ppm) seed meal as compared to >40.0% erucic acid and >120.0 ppm glucosinolates in popular varieties. 2. Oil content-38.0%, Seed yield-18-20 q/ha, Maturity-130 days 3. Suitable for timely sown irrigated conditions		
Thematic area	Crop production		
Source of Technology with year	ICAR- Indian Agricultural Research Institute, New Delhi, (2016)		
Name of villages	Adopted villages		
Farming situation	Rabi-upland-irrigated/rainfed		
Area (ha)/Unit (No.)	4.0 ha	No. of farmers	10
Performance indicator	(I) Technical indicator- No of branches per plant, No. of siliqua per plant, No. of seed per siliqua, test weight (gm), Yield q/ha, (II) Economic indicator- Cost of production, Net income (Rs/ha), Gross return,		

	Net income, B:C ratio. (III)Farmer Feedback-
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FLD – 5

Title of FLD	Demonstration of biofortified Lentil Variety IPL-220		
Season & Year	Rabi & 2025		
Main Problem	Cultivation of traditional variety (HUL 57)		
Main cause of problem	Unaware about the importance of bio fortified lentil.		
Full detail of farmer's Practice	Seed (HUL-57 @ 50kg/ha), broadcasting, Weedicide- Pendimethalin @ 2lit/ha 2 DAS, DAP-20 kg/ha		
Name of the Technology	Biofortified Seed & Rhizobium culture		
Full detail of technology to be demonstrated	Seed (IPL 220 @ 40/ha, Seed treatment with FIR, Soil treatment with Rhizobium culture @ 5kg/ha, N:P= 20:40 Kg/ha), Weedicide Pendimethalin @3 lit/ha 2DAS.		
Thematic area	Crop diversification		
Source of Technology with year	IIPR, Kanpur 2018		
Name of villages	Bishunpur, Malathiya, Kanhaul, Naili		
Farming situation	Rainfed		
Area (ha)/Unit (No.)	4.0 ha	No. of farmers	10
Performance indicator	(I)Technical indicator- Yield (qt/ha) (II)Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

FLD – 6

Title of FLD	Demonstration of Nutri-garden for nutritional security		
Season & Year	2025-26		
Main Problem	Malnutrition in farm house hold		
Main cause of problem	Low availability of round the year vegetable for consumption		
Full detail of farmer's Practice	No planning & layout, local seeds and poor management for nutri-garden		
Name of the Technology	Planning & layout of nutritional garden		
Full detail of technology to be demonstrated	Round the year vegetable cultivation in plot size – 150 m ² , Develop vegetables calendar in Kharif, Rabi and Summer season on rotation basis, use of high yielding varieties		
Thematic area	House hold nutritional security		
Source of Technology with year	Bihar Agriculture University, Sabour Bhagalpur (2020)		
Name of villages	Sondhi, Manpur		
Farming situation	Demonstration of Nutri-garden for nutritional security		
Area (ha)/Unit (No.)	0.75 ha	No. of farmers	50
Performance indicator	(I)Technical indicator- Yield in kg/kitchen garden, Availability of vegetable at house hold level, Consumption enhancement (%) (II)Economic indicator- Net saving Rs. / Kitchen garden, B:C ratio (III)Farmer Feedback-		

FLD – 7

Title of FLD	Demonstration on value addition of tomato products for income generation		
Season & Year	Rabi-2025		
Main Problem	Low income from tomato during peak time of tomato harvesting		
Main cause of problem	Low rate of tomato in market during winter season especially peak time of harvesting (Dec-Feb)		

Full detail of farmer's Practice	Selling of tomato in low rate without value addition		
Name of the Technology	Preparation of value-added product of tomato		
Full detail of technology to be demonstrated	Preparation of value-added products of tomato like Sauce: and preservation of tomato products by the addition of sugar, salt, acetic acid (glacial), onion, garlic, sodium benzoate and spice powder – the spice powder mix consist of clove, cinnamon, black pepper, cardamom, cumin, mace, red chilli powder, etc.		
Thematic area	Value addition		
Source of Technology with year	CFTRI (Central Food Technological Research Institute), Mysore, 2020		
Name of villages	Adopted villages		
Farming situation	Home stead		
Area (ha)/Unit (No.)	2 Units	No. of farmers	20
Performance indicator	(I)Technical indicator- Duration of storage in months (II)Economic indicator- Cost of production, Gross return, Net income, Additional income, Manday generated, B:C ratio. (III)Farmer Feedback-		

FLD – 8

Title of FLD	Assessment of high yielding variety in Bottle gourd		
Season & Year	Kharif 2025		
Main Problem	Low marketable yield.		
Main cause of problem	Farmers are using local varieties which cause low yield.		
Full detail of farmer's Practice	Farmers of Gaya district are using local varieties of bottle gourd which are susceptible to gummy stem blight disease which cause low marketable yield.		
Name of the Technology	High yielding variety of Bottle gourd “Arka Shreyash “.		
Full detail of technology to be demonstrated	Yield potential of “Arka Shreyash “variety is 48 t/ha and resistant to gummy stem blight disease. Arka Shreyash is an open pollinated variety, will be ready to first picking by 60 days.		
Thematic area	Integrated crop management		
Source of Technology with year	IIHR, 2022		
Name of villages	Takeya		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	16
Performance indicator	(I)Technical indicator- growth and yield attributes. (II)Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

FLD – 9

Title of FLD	Assessment of YVMV resistant variety in Okra		
Season & Year	Kharif 2025		
Main Problem	Low production of Okra due to YVMV disease.		
Main cause of problem	Farmers are using local varieties which are susceptible to YVMV.		
Full detail of farmer's Practice	Farmers of Gaya district grow very old varieties of Okra which have become susceptible to YVMV disease.		
Name of the Technology	Arka Nikitha variety of Okra Resistant to YVMV disease.		
Full detail of technology to be demonstrated	Arka Nikitha variety of okra, having yield potential 21-24 t/ha and fruits are dark green, tender, smooth and free from spines. First picking of fruits starts at 43-45 days after sowing and resistant to YVMV disease.		
Thematic area	Integrated disease management		
Source of Technology with year	IIHR, 2024		

Name of villages	Rasalpur		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	0.4 ha	No. of farmers	8
Performance indicator	(I)Technical indicator- growth and yield attributes. (II)Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

FLD – 10

Title of FLD	Demonstration on Bio-fortified cauliflower variety Pusa Beta Kesari-1		
Season & Year	Rabi-2025		
Main Problem	Malnutrition particularly stunting is a main problem in children of Gaya district		
Main cause of problem	Farmers are not using Bio-fortified crop varieties for consumption		
Full detail of farmer's Practice	Farmers are growing local and improved varieties of cauliflower		
Name of the Technology	Cultivation of Bio- fortified Variety of Cauliflower		
Full detail of technology to be demonstrated	1. Variety Pusa Beta Kesari-1 2. Seed rate 200 gm/ha 3. Nursery raising- October 4. Transplanting-November 5. Line transplanting: Spacing 45 x 45cm. 6. Nutrient Management FYM 5-10 t/ha. + N: P: K @ as per soil test result 7. Need based plant protection measures Characteristics of variety Variety Pusa Beta Kesari 1 contains high Beta carotene (8-10 ppm) in comparison to negligible beta carotene content in popular varieties Curd yield- 40-50 t/ha		
Thematic area	Integrated crop Management		
Source of Technology with year	ICAR- Indian Agricultural Research Institute, New Delhi, (2015)		
Name of villages	Adopted villages		
Farming situation	Rabi-upland-irrigated		
Area (ha)/Unit (No.)	0.25 ha	No. of farmers	25
Performance indicator	(I)Technical indicator- Curd size, Yield (Q/ha), (II)Economic indicator- Cost of production, Net income (Rs/ha), Gross return, Net income, B:C ratio. (III)Farmer Feedback-		

FLD – 11

Title of FLD	Assessment of High yielding muskmelon variety		
Season & Year	Summer 2025-26		
Main Problem	Low profitability due to high post-harvest loss.		
Main cause of problem	Farmers are using varieties of muskmelon low shelf life.		
Full detail of farmer's Practice	Among cucurbitaceous crop Muskmelon is a popular crop of Gaya district but farmers are facing low return due to less shelf life of muskmelon fruit.		
Name of the Technology	Muskmelon variety Arka Siri has good shelf life.		
Full detail of technology to be demonstrated	Muskmelon variety "Arka Siri" fruits are dark orange flesh and a strong musky aroma. Fruits are sweet (TSS-12%) and having good shelf life.		
Thematic area	Integrated crop managements		
Source of Technology with year	IIHR, 2021		
Name of villages	Kandi		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	16

Performance indicator	(I)Technical indicator- Yield and post-harvest loss attributes. (II)Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio (III)Farmer Feedback-
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FLD – 12

Title of FLD	Demonstration on Button Mushroom Cultivation		
Season & Year	Rabi-2025		
Main Problem	Landless farmers don't have regular source of income		
Main cause of problem	No any source for regular income generation		
Full detail of farmer's Practice	No utilization of back yard space		
Name of the Technology	Button Mushroom Cultivation		
Full detail of technology to be demonstrated	Cultivation of <i>Agaricus bisporus</i> For 200 Bags Preparation: Composting- Wheat straw-1000 Kg, Water-3000 lit, Urea-17 kg, Calcium Nitrate-20 kg, Super Phosphate-10 kg, Muriate of Potash- 10 kg, Wheat Bran- 50 kg, Seera-16.66 kg, Gypsum-100 kg (Eight turnings are done to prepare compost) Spawning- Spawning is done using 0.5 to 0.75% of spawn in compost. Casing- Once spawn run is completed; 3-4 cm layer of casing is done using FYM and cocopeat. <i>Agaricus bisporus</i> can grow in low temperature (16-25 °C)		
Thematic area	Income generation		
Source of Technology with year	ICAR-DMR, Solan (2019)		
Name of villages	Adopted villages		
Farming situation	Home stead		
Area (ha)/Unit (No.)	500 bags	No. of farmers	50
Performance indicator	(I)Technical indicator- Days to colonization in bag, cultivation period: days, Yield- Kg/bag, (II)Economic indicator- Cost of production, Net income – (Rs./bag), Gross return, Net income, B:C ratio (III)Farmer Feedback-		

FLD – 13

Title of FLD	Round-the-Year Green Fodder Production through Seasonal Crop Rotation and Perennial Fodder Integration		
Season & Year	Kharif, Rabi & Zaid – 2025–26		
Main Problem	Scarcity of quality green fodder during summer and winter leads to low milk yield and poor animal health.		
Main cause of problem	No systematic fodder planning Dependence on crop residues (e.g., wheat/rice straw) Lack of use of high-yielding multicut/perennial fodder varieties		
Full detail of farmer's Practice	Feeding only wheat straw/rice straw with occasional green grass No use of legume fodder or silage No supplementation with azolla		
Name of the Technology	Round-the-Year Integrated Fodder Production System		
Full detail of technology to be demonstrated	Season	Fodder Crop(s)	
	Kharif	Maize	
	Rabi	Berseem	
	Zaid	Sorghum	
	Perennial	Hybrid Napier/Azolla	

Thematic area	Fodder Production		
Source of Technology with year	ICAR-IGFRI, Jhansi (2018)		
Name of villages	Mastalipur, Budhghariya, Shankar Bigha, Sondhi, Kandi, Rasalpur		
Farming situation	Rainfed and partially irrigated dairy farms		
Area (ha)/Unit (No.)	0.15 ha	No. of farmers	10
Performance indicator	(I)Technical indicator- Quintal/ha/year (II)Economic indicator - Cost of production, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

FLD – 14

Title of FLD	Demonstration on groundnut decorticator for drudgery reduction of farm women		
Season & Year	Kharif -2025		
Main Problem	Heavy drudgery in women during groundnut decortication and more time consuming		
Main cause of problem	Decortication of groundnut by hand leading to fatigue and very low output rate		
Full detail of farmer's Practice	Decortication of groundnut by hand		
Name of the Technology	Use of groundnut decorticator for drudgery reduction of farm women		
Full detail of technology to be demonstrated	Decortication of groundnut by decorticator Length =2 feet, width= 1 feet, weight = 1 quintal, output capacity= 30 kg/hour		
Thematic area	Drudgery reduction		
Source of Technology with year	TNAU (Tamil Nadu Agricultural University), Coimbatore, Tamil Nadu, (2019)		
Name of villages	Adopted villages		
Farming situation	Kharif- upland-rainfed		
Area (ha)/Unit (No.)	5 Units	No. of farmers	20
Performance indicator	(I)Technical indicator- Output (kg/hr), % increase in efficiency, WHR (beats/min), % reduce in drudgery (II)Economic indicator-Net saving (Rs/h), B:C ratio. (III)Farmer Feedback-		

FLD – 15

Title of FLD	Income generation through Backyard poultry		
Season & Year	Rabi – 2025		
Main Problem	Low yield in local breed of poultry		
Main cause of problem	Nondescript breeds of backyard poultry		
Full detail of farmer's Practice	Use of nondescript breed of poultry		
Name of the Technology	Vanraja Poultry Production under Backyard System		
Full detail of technology to be demonstrated	Vanraja is a dual-purpose, high-yielding poultry breed developed by ICAR-DPR, Hyderabad, ideal for backyard and semi-scavenging systems. It resembles local birds in appearance but performs significantly better, producing 160–180 eggs annually and gaining 2–3 kg body weight within 4–5 months. Vanraja birds are hardy, disease-resistant, and thrive on kitchen waste and local feed resources, making them highly suitable for rural and tribal farmers to improve nutrition and livelihood.		
Thematic area	Poultry Management		
Source of Technology with year	ICAR-DPR, Hyderabad		
Name of villages	Mastalipur, Budhghariya, Shankar Bigha, Sondhi		
Farming situation	Backyard		

Area (ha)/Unit (No.)	1000 Nos.	No. of farmers	100
Performance indicator	(I)Technical indicator- Body weight, egg production (II)Economic indicator - Cost of production, Gross return, Net return, B:C ratio (III)Farmer Feedback-		

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

A) ON Campus

Thematic Area	Name of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems	2	36	4	40	6	4	10	50
Crop Diversification								
Site specific nutrient management								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Natural farming								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	18	2	20	3	2	5	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming	2	36	4	40	6	4	10	50
b) Fruits								
Training and Pruning	1	18	2	20	3	2	5	25
Layout and Management of Orchards								
Cultivation of Fruit	1	18	2	20	3	2	5	25
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								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								

Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
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	2	36	4	40	6	4	10	50
Soil and Water Conservation								
Integrated Nutrient Management	2	36	4	40	6	4	10	50
Production and use of organic inputs	1	18	2	20	3	2	5	25
Management of Problematic soils	1	18	2	20	3	2	5	25
Micro nutrient deficiency in crops	2	36	4	40	6	4	10	50
Nutrient Use Efficiency								
Soil and Water Testing	1	18	2	20	3	2	5	25
IV Livestock Production and Management								
Dairy Management	1	18	1	19	5	1	6	25
Poultry Management	2	36	2	38	10	2	12	50
Piggery Management								
Rabbit Management/goat	2	36	2	38	10	2	12	50
Disease Management	2	36	2	38	10	2	12	50
Feed management	2	36	2	38	10	2	12	50
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	23	12	35	6	9	15	50
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	1	5	10	15	3	7	10	25
Value addition	5	25	50	75	15	35	50	125
Income generation activities for empowerment of rural Women	3	15	30	45	9	21	30	75
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	5	10	15	3	7	10	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								

Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
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								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	18	2	20	3	2	5	25
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
Cultivation of flowers	1	18	2	20	3	2	5	25
TOTAL	39	559	157	716	135	124	259	975

(B) RURAL YOUTH								
Mushroom Production	3	28	22	50	9	16	25	75
Bee-keeping	1	18	2	20	3	2	5	25
Integrated farming								
Seed production								
Production of organic inputs	3	54	6	60	9	6	15	75
Integrated Farming (Medicinal)								
Planting material production	1	18	2	20	3	2	5	25
Vermi-culture	2	36	4	40	6	4	10	50
Sericulture								
Protected cultivation of vegetable crops	2	36	4	40	6	4	10	50
Commercial fruit production	1	18	2	20	3	2	5	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	2	36	4	40	6	4	10	50
Value addition	2	10	20	30	6	14	20	50
Production of quality animal products								
Dairying	2	36	2	38	10	2	12	50
Sheep and goat rearing	3	54	3	57	15	3	18	75
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1	18	1	19	5	1	6	25
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	1	0	20	20	0	5	5	25
Rural Crafts	1	0	20	20	0	5	5	25
TOTAL	25	362	112	474	81	70	151	625
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	18	2	20	3	2	5	25
Rejuvenation of old orchards								
Protected cultivation technology	1	18	2	20	3	2	5	25
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	1	18	2	20	3	2	5	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								

Management in farm animals								
Livestock feed and fodder production								
Household food security	2	23	12	35	6	9	15	50
Women and Child care	2	10	20	30	6	14	20	50
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	18	2	20	3	2	5	25
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Dairy Management	1	18	1	19	5	1	6	25
TOTAL	9	123	41	164	29	32	61	225
G. Total	73	1044	310	1354	245	226	471	1825

B) OFF Campus Note: 25 participants per training

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								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	3	54	6	60	9	6	15	75
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
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								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								

Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
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	1	18	2	20	3	2	5	25
Soil and Water Conservation								
Integrated Nutrient Management	1	18	2	20	3	2	5	25
Production and use of organic inputs	3	54	6	60	9	6	15	75
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency	2	36	4	40	6	4	10	50
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	1	18	1	19	5	1	6	25
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	2	10	20	30	6	14	20	50
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	1	5	10	15	3	7	10	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	1	18	2	20	3	2	5	25
Integrated Disease Management								
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.)								
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	2	36	2	38	10	2	12	50
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	5	90	10	100	15	10	25	125
Formation and Management of SHGs(HS)	1	18	2	20	3	2	5	25
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro)	1	18	2	20	3	2	5	25
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
Cultivation of vegetables	4	72	8	80	12	8	20	100
Natural Farming	2	36	4	40	6	4	10	50
TOTAL	30	501	81	582	96	72	168	750

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Weed Management									
Resource Conservation Technologies									
Cropping Systems	2	36	4	40	6	4	10	50	
Crop Diversification									
Integrated Farming									
Water management									
Seed production									
Nursery management									
Integrated Crop Management	3	54	6	60	9	6	15	75	
Fodder production									

Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	18	2	20	3	2	5	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	1	18	2	20	3	2	5	25
Layout and Management of Orchards								
Cultivation of Fruit	1	18	2	20	3	2	5	25
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								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
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	3	54	6	60	9	6	15	75
Soil and Water Conservation								
Integrated Nutrient Management	3	54	6	60	9	6	15	75
Production and use of organic inputs	4	72	8	80	12	8	20	100
Management of Problematic soils	1	18	2	20	3	2	5	25
Micro nutrient deficiency in crops	2	36	4	40	6	4	10	50
Nutrient Use Efficiency	2	36	4	40	6	4	10	50
Soil and Water Testing	1	18	2	20	3	2	5	25
IV Livestock Production and Management								
Dairy Management	2	36	2	38	10	2	12	50
Poultry Management	2	36	2	38	10	2	12	50
Piggery Management								
Rabbit Management/goat	2	36	2	38	10	2	12	50
Disease Management	2	36	2	38	10	2	12	50
Feed management	2	36	2	38	10	2	12	50
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	33	32	65	12	23	35	100
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	1	5	10	15	3	7	10	25
Value addition	5	25	50	75	15	35	50	125
Income generation activities for empowerment of rural Women	4	20	40	60	12	28	40	100

Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	5	10	15	3	7	10	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	1	18	2	20	3	2	5	25
Integrated Disease Management								
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								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder	2	36	2	38	10	2	12	50
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	5	90	10	100	15	10	25	125
Formation and Management of SHGs	1	18	2	20	3	2	5	25
Mobilization of social capital								
Entrepreneurial development of farmers/youths	2	36	4	40	6	4	10	50
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
Any other (Pl. Specify)								
Cultivation of Flowers	1	18	2	20	3	2	5	25
Cultivation of Vegetables	4	72	8	80	12	8	20	100
Natural Farming	4	72	8	80	12	8	20	100
TOTAL	69	1060	238	1298	231	196	427	1725
(B) RURAL YOUTH								
Mushroom Production	3	28	22	50	9	16	25	75
Bee-keeping	1	18	2	20	3	2	5	25
Integrated farming								
Seed production								

Production of organic inputs	3	54	6	60	9	6	15	75
Integrated Farming								
Planting material production	1	18	2	20	3	2	5	25
Vermi-culture	2	36	4	40	6	4	10	50
Sericulture								
Protected cultivation of vegetable crops	2	36	4	40	6	4	10	50
Commercial fruit production	1	18	2	20	3	2	5	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	2	36	4	40	6	4	10	50
Value addition	2	10	20	30	6	14	20	50
Production of quality animal products								
Dairying	2	36	2	38	10	2	12	50
Sheep and goat rearing	3	54	3	57	15	3	18	75
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1	18	1	19	5	1	6	25
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	1	0	20	20	0	5	5	25
Rural Crafts	1	0	20	20	0	5	5	25
TOTAL	25	362	112	474	81	70	151	625
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	18	2	20	3	2	5	25
Rejuvenation of old orchards								
Protected cultivation technology	1	18	2	20	3	2	5	25
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application	1	18	2	20	3	2	5	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security	2	23	12	35	6	9	15	50
Women and Child care	2	10	20	30	6	14	20	50
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	18	2	20	3	2	5	25
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Dairy Management	1	18	1	19	5	1	6	25
Total	9	123	41	164	29	32	61	225
G. TOTAL	103	1545	391	1936	341	298	639	2575

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	5	200	50	250	3	2	5	203	52	255
Kisan Mela	1	100	0	100	0	0	0	100	0	100
Kisan Ghosthi	3	100	20	120	0	0	0	100	20	120
Exhibition	2	150	50	200	5	2	7	155	52	207
Film Show	3	60	15	75	0	0	0	60	15	75
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	1	75	25	100	10	5	15	85	30	115
Group meetings	2	40	10	50	0	0	0	40	10	50
Lectures delivered as resource persons	25	500	125	625	10	5	15	510	130	640
Newspaper coverage	30	0	0	0	0	0	0	0	0	0
Radio talks	12	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	4	150	50	200	0	0	0	150	50	200
Extension Literature	10	1500	500	2000	0	0	0	1500	500	2000
Advisory Services	100	1500	500	2000	0	0	0	1500	500	2000
Scientific visit to farmers field	50	40	10	50	0	0	0	40	10	50
Farmers visit to KVK	1000	500	500	1000	10	5	15	510	505	1015
Diagnostic visits	2	5	1	6	0	0	0	5	1	6
Exposure visits	2	90	10	100	0	0	0	90	10	100
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	2	40	10	50	0	0	0	40	10	50
Animal Health Camp	2	40	10	50	0	0	0	40	10	50
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	2	75	25	100	0	0	0	75	25	100
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	1	20	5	25	0	0	0	20	5	25
Mahila Mandals Conveners meetings	1	0	25	25	0	0	0	0	25	25
Celebration of important days (specify)	10	250	50	300	0	0	0	250	50	300
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	0	0	0	0	0	0	0	0	0	0
Pre Rabi workshop	0	0	0	0	0	0	0	0	0	0
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)										
Total	1270	5435	1991	7426	38	19	57	5473	2010	7483

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS			
	Paddy	R. Sweta	120
	Ragi	RAU – 8	4.0
	Wheat	HD - 2967	90.0
OILSEEDS			
PULSES			
	Chickpea	Sabour Chana-1	6.0
	Green gram	Sikha	8.0
VEGETABLES			
OTHERS (Specify)			
		Total	228.0

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya	ARKA PRABHAT	500
	Dragon fruit	ROZA	2000
	Mango grafted plant	AMRAPALI, LANGDA	5000
SPICES			
VEGETABLES	Bitter gourd	PUSA DO MAUSMI	4000
	Bottle gourd	KASHI BAHAR	3000
	Cucumber	KASHI PRAKASH	2000
	Cauliflower	SABOUR AGRIM	3000
	Tomato	KASHI ADARSH	5000
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	24500

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	Indigenous	Sahiwal Cross	2	1800 lit
GOAT	Indigenous	Black Bengal	5	5
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

3.6 Literature to be Developed/Published**(A) KVK News Letter**

Date of start : April, 2025
Number of copies to be published : 1000

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	02
2	Technical reports	07
3	News letters	01
4	Training manual all discipline	03
5	Popular article	05
6	Extension literature	10
	Total	28

(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
- b. Interventions/process
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

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

- a) PRA tool
- b) Group discussion
- c) Feedback analysis
- d) Field visit
- e) Survey (Schedule/Questionnaire)

Rural Youth

- a) PRA
- b) Group discussion
- c) Feedback analysis
- d) Personnel interaction

In-service personnel

- a) Review of past performance/feedback report
- b) Personnel interview

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

For FLD:

- i) New variety/technology
- ii) Poor yield at farmer's level
- iii) Existing cropping system
- iv) Others if any
- v) Drudgery reduction
- vi) Nutritional security
- vii) Crop resilient technology
- viii) Crop diversification
- ix) Enterprise development

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) - 2024

Sl. No.	Name of village	Block Name
1	Kandi	Nagar
2	Bitho Sharif	Nagar
3	Sondhi	Manpur
4	Lakhanpur	Manpur
5	Bishunpur	Wazirganj
6	Budhgheriya	Wazirganj

- ii. No. of farm families selected per village: 20
- iii. No. of PRA conducted: 03
- iv. No. of technologies taken to the adopted villages: 03

- v. Name of the technologies found suitable by the farmers of the adopted villages:
- 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 : 2018

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Mini Kit	2	1,09,536

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	250	250		55000
Water				
Plant				
Total	250	250		55000

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	District Agriculture Officer, Gaya	Training to farmers & Extension functionaries	1. Effective technology dissemination 2. Capacity building and skill development 3. Strengthened extension activities 4. Enhanced scientist – farmer interface 5. Increased rich to marginal and remote farmers 6. Enhanced monitoring and evaluation 7. Improved livelihood opportunities
2.	Agricultural Technology Management Agency (ATMA), Gaya	Training, Field Day, Field visit, Kisan Mela, Assessment and refinement	
3.	District Horticulture Office, Gaya	Training	
4.	Sugarcane Development Department, Gaya/Patna	Training / Exhibition / Seminar	
5.	District Soil Conservation Department, Gaya	Training	
6.	National Fertilizer Limited, Gaya	Seminar, Field Day, Training	
7.	Indian Farmers Fertilizer Co. (IFFCO) Gaya	Field day, Seminar, Training	
8.	Agricultural Research Institute Patna	Nursery Development of Medicinal & Aromatic Plants	
9.	PRAN Gaya	Training, field day	
10.	ICAR- Research complex for Eastern Region, Patna	Demonstration and training under rice fallow area	
11.	Bihar Agriculture Management & Extension Training Institute, Patna	Participation in meeting, Conducting Training Programme, joint implementation, Skill Training, DAESI Training	
12.	NABARD	Training, Workshop, Kisan Club	
13.	Jeevika, Gaya	Training, OFT, Field visit	
14.	ICRISAT, Hyderabad	Training, Awareness on millets	
15.	District Programme Officer, MDM, Gaya	Training, Awareness	
16.	CPRS, Patna	Training, Demonstration	
17.	SSB	Training	

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	Farmer-Scientist Interaction	Resource Person	1. Support in farmer training & demonstration 2. Efficient use of resources 3. Increase scientist-farmer's interaction
2	Field visit	Joint field visit for diagnostic purposes	
3	Assessment & Refinement	To find out area specific proven technology	
4	Kisan Mela	To create awareness through exhibition	
5	Field Day	Resource person	

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
	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		
Extension Education											
	PF/FW	Income generation through mushroom Production.	1	18	2	20	3	2	5	25	Sep
	PF/FW	Motivating farmers to use recommended practices of mustard production.	1	18	2	20	3	2	5	25	Oct
	PF/FW	Motivating farmers to use recommended practices of mustard production.	1	18	2	20	3	2	5	25	Nov
Livestock production											
	PF/FW	Scientific Dairy Farming Practices	1	18	1	19	5	1	6	25	Jan
	PF/FW	Backyard Poultry Farming (Low-Cost & High Return Models)	1	18	1	19	5	1	6	25	Feb
	PF/FW	Goat Farming with Advanced Techniques	1	18	1	19	5	1	6	25	Mar
	PF/FW	Commercial broiler farming	1	18	1	19	5	1	6	25	Apr
	PF/FW	Small scale goat farming	1	18	1	19	5	1	6	25	Jun
	PF/FW	Livestock Disease Prevention & Vaccination Schedules	1	18	1	19	5	1	6	25	Jul
	PF/FW	Balanced Feeding & Low-Cost Feed Formulation	1	18	1	19	5	1	6	25	Sep
	PF/FW	Management of infertility in dairy animals	1	18	1	19	5	1	6	25	Nov
	PF/FW	Method of calculation of balanced ration in dairy animals	1	18	1	19	5	1	6	25	Dec
Horticulture											
	PF/FW	Raising of quality planting material.	1	18	2	20	3	2	5	25	Mar
	PF/FW	Methods for preparation of components of Natural Farming	1	18	2	20	3	2	5	25	Apr
	PF/FW	Application of components of Natural Farming.	1	18	2	20	3	2	5	25	May
	PF/FW	Layout and Establishment of Nutri-garden	1	18	2	20	3	2	5	25	Jun
	PF/FW	Integrated nutrient management in Orchards.	1	18	2	20	3	2	5	25	Aug
	PF/FW	Scientific cultivation of Banana.	1	18	2	20	3	2	5	25	Oct
	PF/FW	Training, Pruning and Canopy Management in Guava	1	18	2	20	3	2	5	25	Nov
	PF/FW	Cultivation practices of Marigold	1	18	2	20	3	2	5	25	Dec
Home Sc.											
	PF/FW	Value addition of mushroom	1	5	10	15	3	7	10	25	Jan
	PF/FW	Empowerment of rural women	1	5	10	15	3	7	10	25	Mar
	PF/FW	Food processing technique	1	5	10	15	3	7	10	25	Mar
	PF/FW	Improved storage technique to reduce post-harvest losses	1	5	10	15	3	7	10	25	Mar
	PF/FW	Value addition of Bengal gram	1	5	10	15	3	7	10	25	May
	PF/FW	Care during pregnancy and lactating	1	5	10	15	3	7	10	25	Jun
	PF/FW	Income Generation through Oyster mushroom cultivation techniques	1	5	10	15	3	7	10	25	Sep
	PF/FW	Tie and Dye making for Income Generation	1	5	10	15	3	7	10	25	Sep
	PF/FW	Preparation of millets value added products and its health benefits	1	5	10	15	3	7	10	25	Oct
	PF/FW	Bio-fortified crop varieties and their benefits in human health	1	5	10	15	3	7	10	25	Nov
	PF/FW	Value-addition of seasonal fruit and vegetable	1	5	10	15	3	7	10	25	Dec
Soil Health											
	PF/FW	Awareness on use and importance of soil health card	1	18	2	20	3	2	5	25	Jan
	PF/FW	Technique of soil sample collection and its importance	1	18	2	20	3	2	5	25	Mar
	PF/FW	Integrated Nutrient Management in	1	18	2	20	3	2	5	25	Apr

		paddy									
	PF/FW	Micro nutrient deficiency symptoms and its management in crops	1	18	2	20	3	2	5	25	May
	PF/FW	Micro nutrient deficiency symptoms and its management in crops	1	18	2	20	3	2	5	25	Jul
	PF/FW	Method of vermi composting and its use in crops	1	18	2	20	3	2	5	25	Aug
	PF/FW	Crop residue management for sustainable health	1	18	2	20	3	2	5	25	Oct
	PF/FW	Management of acidic soil	1	18	2	20	3	2	5	25	Dec

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		
Extension Education											
	PF/FW	Formation of SHGs in increasing income of farmers/farm women	1	18	2	20	3	2	5	25	Jan
	PF/FW	Scientific cultivation of Sesame	1	18	2	20	3	2	5	25	Feb
	PF/FW	Awareness on use and importance of soil health card	1	18	2	20	3	2	5	25	Feb
	PF/FW	Scientific cultivation of Sesame	1	18	2	20	3	2	5	25	Mar
	PF/FW	Income generation through FPO	1	18	2	20	3	2	5	25	Apr
	PF/FW	Motivating farmers to adopt Natural farming: the way of improving soil health	1	18	2	20	3	2	5	25	Apr
	PF/FW	Scientific cultivation of Ragi	1	18	2	20	3	2	5	25	May
	PF/FW	Use of ICT in agriculture	1	18	2	20	3	2	5	25	Jun
	PF/FW	Farmer Producer Organization (FPO): need of hour	1	18	2	20	3	2	5	25	Jul
	PF/FW	Commodity marking and its importance	1	18	2	20	3	2	5	25	Aug
	PF/FW	Farmers Field School and its importance	1	18	2	20	3	2	5	25	Aug
	PF/FW	Socio- economic upliftment through mushroom Production.	1	18	2	20	3	2	5	25	Dec
Horticulture											
	PF/FW	Scientific cultivation of Cabbage and Cauliflower	1	18	2	20	3	2	5	25	Jan
	PF/FW	Application of Pheromone Trap in Brinjal	1	18	2	20	3	2	5	25	Feb
	PF/FW	Scientific cultivation of Cucurbitaceous vegetables	1	18	2	20	3	2	5	25	Apr
	PF/FW	Improved cultivation practices of root vegetables	1	18	2	20	3	2	5	25	Jun
	PF/FW	Scientific cultivation of leafy Vegetables	1	18	2	20	3	2	5	25	Jul
	PF/FW	Integrated nutrient management in vegetables.	1	18	2	20	3	2	5	25	Sep
Live Stock Production.											
	PF/FW	Summer Stress Management in Livestock	1	18	1	19	5	1	6	25	May
	PF/FW	Silage Making and Fodder Conservation Techniques	1	18	1	19	5	1	6	25	Aug
	PF/FW	Fodder production round the year	1	18	1	19	5	1	6	25	Oct
Home Sc.											
	PF/FW	Nutritional securities of farm families through nutrition gardening	1	5	10	15	3	7	10	25	Feb
	PF/FW	Preparation of balance diet for good health	1	5	10	15	3	7	10	25	Apr
	PF/FW	Preparation of carry bag from paper for income generation	1	5	10	15	3	7	10	25	Jul
Soil health											
	PF/FW	Natural farming demand of future	1	18	2	20	3	2	5	25	Feb
	PF/FW	Balance use of fertilizer in vegetables	1	18	2	20	3	2	5	25	Mar
	PF/FW	Method of vermi composting and its use in crops	1	18	2	20	3	2	5	25	Apr
	PF/FW	Soil & Crop management practices to increase NUE	1	18	2	20	3	2	5	25	Jun
	PF/FW	Method of Azolla & BGA preparation	1	18	2	20	3	2	5	25	Sep
	PF/FW	Organic farming	1	18	2	20	3	2	5	25	Nov

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		
Extension Education											
Mushroom	Mushroom Cultivation	Increasing income by means of mushroom production & its value addition	5	18	2	20	3	2	5	25	Jul
Bee-keeping	Bee-Keeping	Beekeeping as the means of developing entrepreneurship in agriculture	5	18	2	20	3	2	5	25	Aug
Live Stock Production											
Goatry	Goatry management	Goatry management	5	18	1	19	5	1	6	25	Jun
Dairy	Dairy Management	Dairy Management	5	18	1	19	5	1	6	25	Jul
Poultry	Commercial poultry & quail farming	Commercial poultry & quail farming	5	18	1	19	5	1	6	25	Aug
Goatry	Goatry management	Goatry management	5	18	1	19	5	1	6	25	Sep
Dairy	Dairy Management	Dairy Management	5	18	1	19	5	1	6	25	Nov
Goatry	Goatry management	Goatry management	5	18	1	19	5	1	6	25	Dec
Horticulture											
Vegetable	Vegetable Cultivation	Improved cultivation practices for Rabi season vegetable production.	5	18	2	20	3	2	5	25	Jan
Orchards	Training and pruning of orchards	Gardner	5	18	2	20	3	2	5	25	Mar
Planting material	Planting material production	Planting material production and Nursery management	5	18	2	20	3	2	5	25	Apr
Fruit	Commercial fruit production	Scientific cultivation of High value fruit crops	5	18	2	20	3	2	5	25	May
Vegetable	Vegetable Cultivation	Improved cultivation practices for Kharif season vegetable production	5	18	2	20	3	2	5	25	Jun
Orchards	Layout and Management of Orchards	Orchard Planning, layout and planting techniques for new orchard establishment	5	18	2	20	3	2	5	25	Jul
Home Sc.											
Mushroom	Value addition	Value Addition of mushroom	5	5	10	15	3	7	10	25	Feb
Mushroom	Mushroom cultivation	Cultivation of oyster mushroom	5	5	10	15	3	7	10	25	Mar
Potato	Value addition	Value Addition of Potato	5	5	10	15	3	7	10	25	May
Enterprise	Tailoring and Stitching	Stitching of garments for income and employment generation	15	0	20	20	0	5	5	25	Aug
Mushroom	Mushroom cultivation	Scientific button mushroom cultivation	5	5	10	15	3	7	10	25	Oct
Enterprise	Rural craft	Income and employment generation through handy craft preparation	5	0	20	20	0	5	5	25	Nov
Soil health											
Bio-fertilizers	Production and use of organic inputs	Production of Bio-fertilizers	5	18	2	20	3	2	5	25	Apr
Natural farming	Production and use of organic inputs	Production of microbial consortia under natural farming	5	18	2	20	3	2	5	25	Jun
Natural farming	Production and use of organic inputs	Production of microbial consortia under natural farming	5	18	2	20	3	2	5	25	Jul
Vermicompost	Vermiculture	Vermicompost production techniques	5	18	2	20	3	2	5	25	Sep
Vermicompost	Vermiculture	Vermicompost production techniques	5	18	2	20	3	2	5	25	Oct

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											
Live Stock Production											
	EF	Scientific Dairy Farming Practices	1	18	1	19	5	1	6	25	Nov

Extension Education											
	EF	Recent advancement in mushroom production technology	1	18	2	20	3	2	5	25	Jan
Horticulture											
	EF	Layout and Establishment of Nutri-garden	1	18	2	20	3	2	5	25	Jul
	EF	Production technology of strawberry & Dragon fruit	1	18	2	20	3	2	5	25	Sep
Home Sc.											
	EF	Maternal and Child Health management	1	5	10	15	3	7	10	25	May
	EF	Nutritional garden promotion technology to the schools	1	5	10	15	3	7	10	25	Jul
	EF	Immunization scheduling for children	1	5	10	15	3	7	10	25	Nov
Soil health											
	EF	Microbial consortia under natural farming and their importance	1	18	2	20	3	2	5	25	May
	EF	Recent advances in soil management technique	1	18	2	20	3	2	5	25	Jul

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 programme											
DAESI	BAMETI	EF	DAESI Programme	1							40
RPL	BAMETI	EF	Tropical / Sub Tropical Fruit Grower (Ver. - 3.0)	2							60
RPL	BAMETI	EF	Mushroom Grower (Ver. - 3.0)	2							60
RPL	BAMETI	EF	Vermicompost Producer (Ver. - 3.0)	1							30
RPL	BAMETI	EF	Agriculture Extension Service Provider (Ver. - 3.0)	1							30
			Total	7							220
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Signature of Senior Scientist & Head