ACTION PLAN PROFORMA FOR THE KVKs.

(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
	Office	FAX		
Krishi Vigyan Kendra Sitamarhi Vill+P.o-Balha Madhusudan, Via-Janakpur Road, Pupri, Sitamarhi, Bihar- 843320	09931635622	06228- 291040	sitamarhikvk@gmail.com sitamarhikvk@rediffmail.com	http://sitamarhi.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Samta Seva Kendra Vill+P.O- Chainpura, Via- Janakpur Road, Pupri, Sitamarhi, Bihar- 843320	09430259635	06228- 291040	sitamarhikvk@gmail.com sitamarhikvk@rediffmail.com	http://samtasevakendra.com

1.2.b. Status of KVK website : Yes Date when the website last updated: 19.07.2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 111598

1.2.d Status of ICT lab at your KVK :

a) No. of PC units : 3

b) No. of Printers : 3

c) Internet connection : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ram Eshwar Prasad		9931635622	drrepd@rediffmail.com

1.4. Year of sanction: 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	Sr. Scientist & Head	Dr. Ram Eshwar Prasad	Sr. Scientist & Head	Agricultural Extension	37400-67000	9000	143600	01.04.2022	Permanent	OBC	9913635622	drrepd@rediffmail.com	
2	Subject Matter Specialist	Dr. Kinkar Kumar	SMS	Veterinary Science	15600-39100	5400	92700	01.11.2006	Permanent	OBC	9430229508	drkinkarkumar@gmail.com	
3	Subject Matter Specialist	Mr. Sachchidanand Prasad	SMS	Agronomy	15600-39100	5400	77700	03.03.2010	Permanent	OBC	9472436100	psachchidanand28@gmail.com	
4	Subject Matter Specialist	Mr. Manohar Panjikar	SMS	Horticulture	15600-39100	5400	82400	01.04.2010	Permanent	OBC	9430004417	manoharkvk@rediffmail.com	
5	Subject Matter Specialist	Dr. Shriti Moses	SMS	Plant Protection	15600-39100	5400	59500	28.06.2023	Permanent	General	6297215326	shritimoses361@gmail.com	
6	Subject Matter Specialist	Miss Saloni Chauhan	SMS	Home Science	15600-39100	5400	57800	06.07.2023	Permanent	General	9973713794	chauhansaloni63@gmail.com	
7	Subject Matter Specialist	Dr. Pinaki Roy	SMS	Agril. Extension	15600-39100	5400	57800	02.08.2023	Permanent	General	8437478408	roypinaki51@gmail.com	
8	Accountant / Superintendent	Mr. Brij Bhushan Mishra	Assistant	Commerce	9300-34800	4200	53600	03.03.2010	Permanent	General	9471922100	brij20133@gmail.com	

9	Computer Programmer	Mr. Rakesh Kumar	Programme Assistant (Computer)	Computer Science.	9300-34800	4200	53600	01.04.2010	Permanent	OBC	9835290020	pappu_ji@rediffmail.com	
10	Programme Assistant	Mr. Prakash Chandra	Programme Assistant	Fisheries	9300-34800	4200	Vacant from 21.01.2025						
11	Farm Manager	Mr. Gunjesh Kumar Navin	Farm Manager	Agriculture	9300-34800	4200	45000	01.10.2016	Permanent	OBC	8789493480	gunjeshnaveen87@gmail.com	
12	Stenographer	Mr. Sikandar Roy	Steno cum-Computer Operator	Computer Science	5200-20200	2400	43500	01.11.2006	Permanent	OBC	9470809875	ranjan_pusa@rediffmail.com	
13	Driver (Tractor)	Mr. Raju Kumar	Driver	-	5200-20200	2000	27600	01.10.2016	Permanent	OBC	9470449052	rajukumarkvk1987@gmail.com	
14	Driver (Bolero)	Mr. Ajay Kumar	Driver	-	5200-20200	2000	27600	01.10.2016	Permanent	OBC	9971281830	kumarajay77529@gmail.com	
15	Supporting staff	Mr. Randhir Kr. Jha	Skill Supporting Staff	-	5200-20200	1800	18500	01.08.2023	Permanent	General	6205270074	randhirjha0081@gmail.com	
16	Supporting staff	Mr. Mukesh Kumar	Skill Supporting Staf	-	5200-20200	1800	18500	01.08.2023	Permanent	OBC	9708957165	mukesh497089@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	0.90
3.	Under Crops	6.00
4.	Orchard/Hi-Tech Nursery	4.00
5.	Others with details	-
	Total	**12.90**

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		March 2009	550	52,17,000.00			
2.	Farmers Hostel	ICAR		March 2009	305	27,44,000.00			
3.	Staff Quarters (6 Nos.)	ICAR		March 2013	400	38,44,300.00			
4.	Piggery unit	ICAR		-	-				
5	Fencing	ICAR		March 2008	-	2,51,500.00			
6	Rain Water harvesting structure	ICAR		-	-				
7	Threshing floor	ICAR		-	300	1,87,000.00			
8	Farm godown	ICAR		-	60	3,36,800.00			
	Dairy unit	ICAR		-	-				
9	Poultry unit	ICAR		-	-				
10	Goatary unit	ICAR		March 2012	1320 sft.	4,88,000.00			
11	Mushroom Lab	ICAR		-	-				
12	Mushroom production unit	ICAR		2015	225 sft.	3,78,391.00			
13	Shade house	ICAR		-	-				
14	Soil test Lab	ICAR		-	-				
15	Others, Please Specify (Irrigation Channel)	ICAR		-	-	40,000.00			
i)	Fish Hatchery	ICAR		2012	-	2,89,000.00			
ii)	Bore Well	ICAR		2013	-	4,18,000.00			
iii)	Farm Road	ICAR		2013	-	2,00,000.00			
iv)	FRP Carp Hatchery	ICAR		2018	28sq mt.	3,00,000.00			
v)	NADEP Unit (V. Compost)	ICAR		Dec. 2022	1500 sft.	1,50,000.00			
vi)	Azola Unit	ICAR		Dec. 2022	1500 sft.	64,518.00			

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Tractor	2024	ICAR	8,39,500.00	279.2 (hours)	working
Bolero	2014	ICAR	8,07,353.00	2,25,699 K.M.	Working
Motor Cycle (Glamour)	2016	ICAR	64,300.00	74,350K.M	Working
Motor Cycle (Passion Pro)	2016	ICAR	59,400.00	65,555 K.M.	Working

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	North Gangetic Plain	Paddy –wheat-fallow	Sandy Loam, Loam, Clay
		Sugar cane- wheat –sugarcane	
		Maize –potato –wheat	
		Animal husbandry based enterprise	
		Fisheries based enterprise	
		Poultry based enterprises	
		Orchard based enterprises	
		Paddy-tomato/cauliflower/brinjal-okra	
		Paddy-tomato/cauliflower/brinjal- cucurbits	
		Green manure- Paddy – tomato/cauliflower – okra	
		Green manure- Paddy – brinjal	
		Green manure- Paddy – summer vegetable	

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	North Gangetic Plain	**(A) Land lying between Bagmati and Lakhandei** :- The area is generally low lying and prone to floods. Paddy and wheat are the main crops in the area covering Runnisaidpur, Belsand, part **(B) North-West region** :- The area is very low and always affected by flood in river Bagmati, part of Bathnah, riga Majorganj, Dumra block from part of this region. **(C) Area lying between Adhwara group and lakhandei river** :- These are many chaurs in this area. This area covers Bathnaha, sonbarsa, part of Parihar, part of sursand, Bajpatti, Nanpur and part of Pupri block. **(D) Area lying between Adhwara and Nepal :-** This area is famous for Mango orchards and bamboo groowers. The fertility of this area is high, this region covers Sursand, Pupri and Parihar block**.**	Good drainage in upland while poor drainage in low land

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	North Gangetic Plain	➢ Damage of Kharif crops due to flood. ➢ Delay sowing of Rabi crops. ➢ Imbalance use of fertilizer and agro chemicals. ➢ Yield loss of Rabi crops due to heat wave. ➢ Lack of drainage facilities. ➢ Lack of organic matter in soil. ➢ Prevalence of Malnutrition in children (under 5 years). ➢ Prevalence of Anemia in rural women (Pregnant, Non pregnant & lactating women) and adolescent girls. ➢ Unavailability of quality fish fingerling production.	

		➢ Lack of organized effort. ➢ Lack of organized effort for production and marketing. ➢ Lack of value addition for income enhancement. ➢ Prevalence of infectious disease in livestock (HS, PPR,FMD and LSD). ➢ Infestation of live fluke by using flood affected fodder. ➢ Imbalance feed management practices in livestock. ➢ Heat stress in livestock. ➢ Unavailability of green fodder in rainy season. ➢ Unavailability of climate resilient varieties. ➢ Lack of proper management of old orchard. ➢ Lack of awareness of high yielding varieties in vegetables. ➢ High value horticultural crops. ➢ Alternate bearing in Mango. ➢ Infestation of yellow Stem Borer in Rice and Wheat. ➢ Infestation of pod borer in pulses. ➢ Infestation of fruit and shoot borer in vegetables. ➢ Heavy infestation of fruit borer in mango. ➢ Heavy infestation of wilt in Rabi pulses. ➢ Infestation of blast in rice. ➢ Failure in adoption of IPM and IDM.	

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

Sl. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1	Paddy	106836	312174	29	12.5	21
2	Wheat	80300	240739	30	9.4	15
3	Lentil	10377	10294	9	4.9	9
4	Green gram	10122	10982	10	-1.5	2
5	Mango	5410	52590	97	-	15
6	Litchi	2310	17490	75	-	8
7	Potato	5122	1380088	269	-	6
8	Tomato	1575	35595	226	156	274
9	Cauliflower	1411	24407	172	33	18
10	Bottle gourd	1215	23287	191	-	9

Source: District agriculture department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	April	0	41.3	15.1	72.5	34.73
	May	0	42.0	19.7	83.0	34.15
	June	145.4	43.0	25.7	93.0	48.69
	July	85.8	36.7	24.5	92.6	73.47
	August	105.8	38.2	25.8	94.10	75.0
	September	95.0	37.0	25.0	91.3	63.4
	October	22.2	35.0	19.0	98.2	55.4
	November	0	34.0	14.0	78.0	43.0
	December	0	32.0	9.0	76.0	40.0
	January	0	24.0	6.0	82.0	54.4
	February	12.4	29.0	8.0	85.0	38.0
	March	0	38.0	13.0	72.0	27.0
2024	April	3.1	43.0	21.0	49.0	13.0
	May	1.6	43.0	22.0	71.0	13.0
	June	49.8	40.0	24.0	99.0	48.0
	July	120.9	37.0	27.0	100.0	68.0
	August	120.8	36.0	27.0	91.0	66.0
	September	202.6	38.0	26.0	100.0	61.0
	October	5.3	34.0	21.0	85.0	64.8
	November	0	32.0	13.0	75.0	45.0

	December	0	27.0	8.0	74.0	40.0
	January	0	26.0	8.0	75.0	55.0
	February	0	30.0	9.0	80.0	40.0
	March	0.7	36.0	16.0	70.0	26.0
Total						

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	378245	14000 lit./day	1800 lit./lactation	700 lit.
Sheep	-	-	-	-
Goats	561000	175000 Ton	22 kg/unit	13 kg
Cattle	-	-	-	-
Crossbred	148202	6000 lit./day	2200 lit./lactation	800 lit.
Indigenous	63515			
Pigs	5200	-	-	-
Poultry				
Hens	372602	-	-	-
Desi	90015			
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)	4105 pond	21.56 TMT	18 Q/ha.	12 Q/ha.

*Statical report

2.5 Details of Operational area / Villages

Taluk	Name of the block	Name of the villages	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problems identified (crop-wise)	Identified Thrust Areas
Sitamarhi	Pupri	Samhauli	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables
Sitamarhi	Bajpatti	Pipradhi, basudeopur	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, Millets
Sitamarhi	Bathnaha	Ramnagra, Panthpakar, Manjhaur	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, fruits, Goat

				Milk- 1800 lit./ lactation Poultry 1.25kg/ unit		
Pupri	Sursand	Birrakh, Maidan, Malahi, Bakhari, Birpur	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, Millets
Sitamarhi	Nanpur	Chaupar, Manjharu	Paddy, wheat, Tobaco, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, Millets
Sitamarhi	Bajpatti	Basha, Narha	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, Mushroom
Pupri	Sursand	Birakh, Malahi, Maidan, Adhakhani	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables, Millets
Sitamarhi	Bajpatti	Narha	Paddy, wheat, tomato, cauliflower, brinajl, potato, goatery, dairy, poultry	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production and management of cereals and vegetables
Sitamarhi	Nanpur	Adhgaon, Bahera	Paddy, wheat, tomato, brinjal, cauliflower, potato	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production & management of cereals and vegetable

				Milk- 1800 lit./ lactation Poultry 1.25kg/ unit		
Belsand	Mejarganj	Dumarikala , dumri Khurd	Paddy, wheat, sugarcane, vegetable, fruits, cattle, poultry, dairy	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production & management of cereals and vegetable
Pupri	Bokhara	Banaul, Okhra	Paddy, wheat, vegetable, potato, cattle, poultry, dairy	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production & management of cereals and vegetable
Belsand	Parasauni	Andhra, Muraul	Paddy, wheat, vegetable, potato, cattle, poultry, dairy	Paddy- 36Q/ha. Wheat-34 Q/ha. Cauliflower- 178Q/ha. Brinjal- 182Q/ha. Potato- 200Q/ha. Goat- 22 kg/unit Milk- 1800 lit./ lactation Poultry 1.25kg/ unit	Low productivity of cereals, vegetables micronutrient deficiency low production of milk and meat	Production & management of cereals and vegetable

2.6 Top five major priority thrust areas:

i. Integrated disease and Pest management in crops, vegetables and fruits.
ii. Feed and disease management in Live Stock.
iii.Introduction of Climate Resilient Varieties.
iv. Varietal Evaluation in Horticultural crops.
v. Natural Farming Practices.

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)	No of enterprises	Number of Farmers
08	82	14	10	114

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
174	4350	170	3630

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
350	120000	-	2000

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	Water management	Litchi	Non judicious use of water lodging to evaporation and leaching	Assessment biomass mulching in Litchi	-	-	-	-	Seed of Taphorik
2	Nutrient management	Rice/Wheat	Low yield of Rice wheat cropping system	Assessment o efficacy of Nano DAP in rice wheat cropping system	-	-	-	-	Nano DAP
3	IPM	Cauliflower	Severe infestation of DBM in Cauliflower	Management of DBM in Cauliflower	-	-	-	-	Indoscarb, Novaluram
4	Pest management	Paddy	Damage & yield loss by infestation of rice stem borer	Management of stem borer in rice	-	-	-	-	Fipronil, chlonatraniliprole
5	Live stock production and management	Goat	yield loss due to heavy infestation of scriphophaga incertulas	Assessment of saccharamyces and lactobacillusbased probiotices as growth promoter in Goats	-	-	-	-	Biovit fenbendazole, oxyclozanide
6	Disease management	Buffalo	Low milk production in summer due to heat stress	Effect of multivitamin and sodium bicarbonate to control heat stress in Buffalo	-	-	-	-	Multivitamin and sodium Bicarbonate
7	Nutritional deficiency	Nutritional deficiency management	Lack of proper nutrition in their daily diet	Assessment of multigrain flour for reduction of anemia among rural women	-	-	-	-	Multigrain flour
8	Nutritional deficiency	Nutritional management	Malnutrition among children	Assessment of complementary food from prepared locally available food grains for the reduction of malnutrition among children	-	-	-	-	Multigrain flour
9	Wilt infestation in Brijal	Tomato	Low yield of Brinjal due to wilt infestation	-	FLD of NRCL Tricoderma against wilt in Brinjal	-	-	-	NRCL Trico derma
10	Poor nutrient management	Cauliflower	Low production of cauliflower due to improper management of nutrients	-	Appication of 50% RDF+20Q vermicompost +5kg PSB/ha	-	-	-	PSB & vermocompost
11	Nutrient management	Wheat	Low production of wheat due to improper nutrient management	-	FLD on application of KNO3 @ 1% at anthesis stage in late season wheat	-	-	-	KNO3
12	Poor management of fertilizer	Paddy	Excessive use of chemical fertilizer	-	FLD on application of Nano Urea in Rice	-	-	-	Nano Urea
13	Management of Liver fluke in Livestock	Buffalo	Low production of milk due to Liver fluke infection	-	FLD on application of Fluckicidal in Buffalo	-	-	-	Oxyclozanide

14	Disease infestation	Goat	Higher mortality in Goat due to infection of PPR	-	FLD on PPR vaccination in Goat	-	-	-	PPR vaccination
15	Introduction of improved variety	Wheat	Malnutrition in women and children	-	FLD on popularization of Bio fortified wheat variety Rajendra Gehun-3	-	-	-	Rajendra Gehun-3
16	Balance food security management	Nutri garden	Malnutrition and anemia	-	FLD establishment of nutrigarden for food security	-	-	-	Seed, planting material
17	Plant protection technologies	Lentil	Low yield of lentil due to infestation of rust disease	-	FLD on application of propiconozole for controlling rust disease in Lentil	-	-	-	Porpiconazole
18	Proper plant protection technologies	Mango	Low productivity of mango due to sever infestation of mango leaf hopper	-	FlD on application of Imidachloprid for controlling leaf hopper in mango	-	-	-	Imidachlorid

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	1									1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	2	-	-	-	1	-	-	-	-	3
Integrated Disease Management										
Resource conservation technology						1				1
Small Scale income generating enterprises										
TOTAL	**3**				**1**	**1**				**5**

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	Other	TOTAL
Evaluation of Breeds									
Nutrition Management	1	-	-	-	-	-	-	2	3
Disease of Management				1					1
Value Addition									
Production and Management									
Feed and Fodder									
Small Scale income generating enterprises									
TOTAL	**1**			**1**				**2**	**4**

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

OFT No: 01

Crop	Litchi
Season	Summer
Main problem	Non judicious use of water leading to evaporation and leaching
Main cause	Evaporation and leaching
Title of OFT	Assessment of biomass mulching in litchi
Farming situation	Irrigated with well drainage facilities
Thematic area	Water management
Farmer practice	F. P. : No use of mulching/litter fall of trees.
Technology option selected for assessment	T1 : Tephrosia 1 kg dry biomass/m^2 canopy (Plant spread)
	T2 : Grass/Paddy straw/Any local available mulching 15 cm thick (plant spread) + grease band 30 cm from GL.
Source of technology	ICAR-RCER, Ranchi
No of trial	10
Detail of critical input	Seed (Tephrosia) & Grease Band
Cost of individual critical input	Rs. 500
Total cost of critical input	Rs. 5000
Performance indicator to be recorded	(i) No. of irrigation (ii) Production (iii) BCR

OFT No: 02

Cropping system	Rice -Wheat
Season	Kharif and Rabi
Main problem	Low yield of rice wheat cropping system
Main cause	Low use efficiency of Phosphorus fertilizers
Title of OFT	Assessment of efficacy of Nano –DAP in rice wheat cropping system
Farming situation	Soil type-Clay loam, Land type : Medium land, Irrigation Type : Flood, Season : Kharif and Rabi
Thematic area	Nutrient management
Farmer practice	F. P. : N:P:K: 100:40:20 (Paddy), 130:50:40 (Wheat) kg/ha
Technology option selected for assessment	T1 : 50% of RDP + Seedling/Seed treatment with Nano DAP @ 5.0 ml/kg seed + 100% NK + Nano DAP @ 4.0 ml/lit at tillering and panicle initiation stage
	T2 : 75% RDP + Seedling/seed treatment with Nano DAP @ 5.0 ml/kg seed + 100 % NK + Nano DAP @ 4.0 ml/lit at tillering and panicle initiation stage
Source of technology	ICAR-RCER, Patna (2021)
No of trial	10
Detail of critical input	Nano DAP
Cost of individual critical input	Rs. 600
Total cost of critical input	Rs. 6000
Performance indicator to be recorded	(i) Technical indicator : No of tillers, Effective tillers, Grains per panicle, Yield (q/ha) Soil Analysis (pH, EC OC N,P and K) (ii) Economic indicator : Cost of cultivation, Gross return, Net return, B.C ratio

OFT No: 03

Crop	**Cauliflower**
Season	Rabi
Problem	Severe infestation of DBM in Cauliflower
Main cause	Quality deterioration due to infestation of *Plutella xylostella*
Title of OFT	**Management of Diamond Back Moth in Cauliflower**
Farming situation	Soil type-Loamy soil, Land type- Upland, Irrigation type-Furrow, Season – Rabi
Thematic area	Integrated pest management
Farmer practice	Two spray of Chloropyriphos 50 EC @ 2ml/lit of water at 15 days interval when the pest appeared in the field.
Technology option selected for assessment	**TO-1 :** Two spray of Indoxacarb 14.5 SC @ 500 ml/ha at 15 days interval when the pest appeared in the field.
	TO-2 : Two spray of Novaluron 10 EC@ 500 ml/ha at 15 days interval when the pest appeared in the field
Source of technology	DRPCAU, Pusa 2021-22
No of trial	10
Detail of critical input	Indoxacarb, Novaluron
Cost of individual critical input	Rs. 1000
Total cost of critical input	Rs. 10000
Performance indicator to be recorded	i) Pest damage percentage, ii) Cost of cultivation , iii) Gross return, iv) Net return v) Yield (qt./ha), vi) BCR

OFT No: 04

Crop	Rice
Season	Kharif
Problem	Considerable damage and yield loss done by infestation of rice stem borer
Main cause	Yield loss due to heavy infestation of *Scirphophaga incertulas*
Title of OFT	**Management of stem borer in Rice**
Farming situation	Soil type-Clay loam, Land type-Lowland, Irrigation type-Flood, Season-Kharif, Previous crop-Wheat
Thematic area	Pest Management
Farmers practice	Carbofuran 3G 8kg/ha at pest incidence
Technology option selected for assessment	**TO-1 :** Fipronil (0.3GR) @ 25 kg/ha at 30 to 35 DAT + Fipronil (5 SC) @ 1000 ml/ha at Booting or at Panicle initiation stage.
	TO-2 : Chlorantraniliprole (0.4 GR) @ 10 kg/ha at 30 to 35 DAT + Chlorantraniliprole (20 SC) @ 150 ml/ha at Booting or panicle initiation stage
Source of technology	GBPUAT, 2017
Number of trail	10
Details of critical input	Fipronil, Chlorantraniliprole
Cost of individual critical input	Rs 1000
Total cost of critical input	Rs 10000
Performance indicator to be recorded	i) Pest infestation percentage ii) Percentage reduction in pest infestation after application of insecticide iii) Dead heart incidence and reduction percentage iv) White ear incidence & reduction percentage v) Yield & BCR

OFT No: 05

Livestock	Goat
Season	Rainy
Problem	Low growth performance in Goats
Main cause	Yield loss due to heavy infestation of *Scirphophaga incertulas*
Title of OFT	**Assessment of *Saccharomyces* and *Lactobacillus* based probiotics as growth promoters in Goats**
Farming situation	Agriculture based Animal Husbandry
Thematic area	Livestock production and management
Farmers practice	Natural grazing with use of anthelmintics (Oxyclozanide @ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at pre and post rainy season
Technology option selected for assessment	**TO-1** FP + use of probiotics @ 5 gm daily for 3 months
	TO-2 : Natural grazing with use of probiotics @ 5 gm daily for 3 months and anthelmintics (Oxyclozanide @ 10 mg/kg body weight and Fenbendazole @ 7.5 mg /kg body weight) at 3 months interval
Source of technology	WBUAFS, Kolkata, 2017
Number of trail	10
Details of critical input	Biovet YC Gold Powder, Fenbendazole & Oxyclozanide
Cost of individual critical input	Biovet YC Gold Powder Rs. 425/kg Fenbendazole Rs. 6/150 mg Oxyclozanide Rs. 98/100 ml
Total cost of critical input	Rs 8000
Performance indicator to be recorded	i) Technical : Body weight gain ii) Economics : Milk production iii) B:C Ratio

OFT No: 06

Livestock	**Buffalo**
Season	Summer
Problem	Low milk production in summer due to heat stress
Main cause	In summer digestion of Buffalo decreases as a result milk production hamper
Title of OFT	**Effect of multivitamin and sodium bicarbonate to control heat stress in Buffalo**
Farming situation	Agriculture based Animal Husbandry
Thematic area	Disease management
Farmers practice	No use of Multivitamin & Sodium bicarbonate
Technology option selected for assessment	**TO-1 :** Concentrate+ Roughage @ of 3.5% body weight (on DM basis) + Multivitamin @ 20 ml/day for 60 days
	TO-2 : Concentrate+ Roughage @ of 3.5% body weight (on DM basis) + Sodium bicarbonate @ 50 gram BD for 60 days
Source of technology	Dr. RPCAU, Pusa, Samastipur 2018
Number of trail	12
Details of critical input	Multivitamin & Sodium bicarbonate
Cost of individual critical input	Multivitamin Rs. 720/500ml Sodium bicarbonate Rs. 250/400 gm.
Total cost of critical input	Rs 10000
Performance indicator to be recorded	i) Technical : Feed intake ii) Economics : Milk production

OFT No: 07

Season	Around the year
Problem	Prevalence of anaemia among rural women due to lack of proper nutrition
Main cause	Lack of proper nutrition in their daily diet.
Title of OFT	Assessment of multigrain flour for reduction of anaemia among rural women.
Thematic area	Nutritional deficiency management
Farmer practice	PF : Consumption of wheat based roti.
Technology option selected for assessment	T.O-1-Wheat flour+ soya flour+ Besan (1:0.25: 0.5) T.O-2-Wheat flour+ soya flour+ Maize flour (1:0.25: 0.5) T.O-3-Wheat flour+ Maize flour + Besan (1:0.25: 0.5)
Source of technology	Dr. RPCAU, Pusa, Samastipur
No. of trial	10
Detail of critical input	Multigrain flour
Cost of individual critical input	Rs.800
Total cost of critical input	Rs. 8000
Performance indicator to be recorded	Organoleptic acceptability, Bodyweight, Haemoglobin

OFT No: 08

Season	Around the year
Problem	Malnutrition among children (6 month to 2 years)
Main cause	Lack of proper nutrition in their daily diet.
Title of OFT	Assessment of complementary food from prepared locally available food grains for the reduction of malnutrition among children.
Thematic area	Nutritional management
Farmer practice	**FP-:** Branded/market available product.
Technology option selected for assessment	**T.O-1**:- wheat +soya + green gram + ragi+ groundnut (45g+25g+15g+5g+10g) **T.O-2:-** wheat + green gram+ ragi+ maize (40g+30g+20g+10g)
Source of technology	Dr. RPCAU, Pusa, Samastipur
No of trial	10
Detail of critical input	Multigrain flour
Cost of individual critical input	Rs. 800
Total cost of critical input	Rs. 8000
Performance indicator to be recorded	**Anthropometric measurements**

3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

FLD - 01

Title of FLD	Front Line Demonstration of NRCL Tricoderma against wilting in Brinjal		
Season & Year	Rabi - 2025-26		
Main Problem	Wilt infestation in Brinjal		
Main cause of problem	Disease management		
Full detail of farmer's Practice	Use of Carbendazim 50% WP		
Full detail of technology to be demonstrated	NRCL Trichoderma – i) 10 gm/lit. of water for seedling root treatment., ii) Soil application of 1kg NRCL + 150 kg FYM @ 500gm/plant 15 DAT		
Source of Technology with year	NRC, Muzaffarpur 2021		
Name of the Technology	Control of wilting infestation		
Thematic area	Disease management		
Name of villages	Samhauli		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1	**No of farmers**	10
Performance indicator	(i) Disease infestation % (ii) Fruit quality (iii) Production (iv) B.C.R.		

FLD No : 02

Title of FLD	Front Line Demonstration of 50% RDF (60:40:40) + 20 Q Vermicompost + 5kg PSB/ha for increasing yield and quality of Cauliflower.		
Season & Year	Rabi - 2025-26		
Main Problem	Change the curd surface area into brown and hollow stem		
Main cause of problem	Nutrient deficiency		
Full detail of farmer's Practice	Use of NPK 150:100:80		
Full detail of technology to be demonstrated	Application of 50% RDF (60:40:40) + 20 Q Vermicompost + 5 kg PSB/ha for increasing yield and quality of Cauliflower.		
Source of Technology with year	BAU, Sabour, 2021		
Name of the Technology	Application of 50% RDF (60:40:40) + 20Q Vermicompost + 5 kg PSB/ha.		
Thematic area	Nutrient Management		
Name of villages	Samhauli, Pipradhi		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	10
Performance indicator	i) Technical indicator : Fruit quality , Fruit size ii) Economic Indicator : BCR		

FLD No: 03

Title of FLD	Front Line Demonstration on application of Potassium nitrate (KNO_3) @ 1% at anthesis stage in late sown wheat		
Season & Year	Rabi 2025-26		
Main Problem	Heat stress		
Main cause of problem	Low productivity of Wheat due to improper nutrient management		
Full detail of farmer's Practice	Delay sown wheat in 2nd fortnight of December		
Full detail of technology to be demonstrated	Foliar spray of 1.0% Potassium nitrate (KNO_3) at anthesis stage		
Source of Technology with year	BAU, Sabour, 2018		
Name of the Technology	Foliar spray of 1.0% Potassium nitrate (KNO_3) at anthesis stage		
Thematic area	Nutrient Management		
Name of villages	Sandhwara, Koili		
Farming situation	Paddy – Wheat		
Area (ha)/Unit (No.)	4	**No of farmers**	10
Performance indicator	i) Technical indicator No. of tillers /m^2, Plant height (cm) days to maturity ii) Economic Indicator : Yield q/ha, Gross return, Net return, B.C. Ratio		

FLD No: 04

Title of FLD	Front Line Demonstration on application of Nano Urea in rice		
Season & Year	Kharif – 2025		
Main Problem	Excessive use of chemical fertilizer		
Main cause of problem	Spiraling price of urea leads to increase in cost of cultivation		
Full detail of farmer's Practice	RDF (100:40:20) kg/ha		
Full detail of technology to be demonstrated	50% of RDN & 100% PK+2 sprays of Nano Urea at (30-35 DAT) and (60-65 DAT) @ 4ml/lit water		
Source of Technology with year	BAU, Sabour, 2022		
Name of the Technology	50% of RDN & 100% PK+2 sprays of Nano Urea at (30-35 days) and (60-65 days) @ 4ml/lit. water		
Thematic area	Nutrient Management		
Name of villages	Rupauli, Bhasar		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	4	**No of farmers**	10
Performance indicator	i) Technical indicator No. of tiller m^2, Plant height (cm) days to maturity ii) Economic Indicator : Yield q/ha, Gross return, Net return, B.C. Ratio		

FLD No: 05

Title of FLD	FLD on Application of Oxyclozanide (Flukicidal) in Buffalo		
Season & Year	Rainy season – 2025-26		
Main Problem	Liver fluke infection		
Main cause of problem	No use of periodical flukicidal		
Full detail of farmer's Practice	No use of drug of choice for liver fluke like Oxyclozanide		
Full detail of technology to be demonstrated	Use of Oxyclozanide @ 90 ml/buffalo after end of rainy season		
Source of Technology with year	WBUAFS, Kolkata		
Name of the Technology	Use of Oxyclozanide @ 90 ml/buffalo after end of rainy season		
Thematic area	Livestock production management		
Name of villages	Majhaur, Balha Madhusudan, Pipradhi & Bahilwara		
Farming situation	-		
No of Buffalo	100	**No of farmers**	40
Performance indicator	i) Technical indicator : Milk production ii) Economic Indicator : Net return & B.C. Ratio		

FLD No: 06

Title of FLD	FLD on PPR Vaccination in Goat		
Season & Year	2025-26		
Main Problem	High mortality in Goat		
Main cause of problem	Due to infection of PPR mortality in Goat increases		
Full detail of farmer's Practice	No vaccination regularly		
Full detail of technology to be demonstrated	1ml PPR vaccine in goat at any season		
Source of Technology with year	WBUAFS, Kolkata		
Name of the Technology	1ml PPR vaccine in goat at any season		
Thematic area	Disease Management		
Name of villages	Kurthaiya, Narah, Basudebpur and Narayanpur		
Farming situation	-		
No. of goats	500	**No of farmers**	100
Performance indicator	i) Technical indicator: No of goat unaffected, ii) Body weight gain and B C ratio		

FLD No: 07

Title of FLD	FLD on popularization of Bio fortified Wheat variety Rajendra Gehun-3		
Season & Year	Rabi 2025-26		
Main Problem	Malnutrition particularly Anaemia is a serious problem of women and children		
Main cause of problem	Malnutrition due to lack of Iron & Zinc in daily diet.		
Full detail of farmer's Practice			
Full detail of technology to be demonstrated	Rajendra Gehun-3		
Source of Technology with year	DRPCAU- 2021		
Name of the Technology	Wheat variety Rajendra Gehun-3		
Thematic area	Nutrition Security		
Name of villages	Hariharpur		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1 ha	No of farmers	10
Performance indicator	(I) Clinical indicator (II) Farmer Feedback		

FLD No: 08

Title of FLD	**FLD on establishment of nutrigarden for food security**		
Season & Year	Around the year.		
Main Problem	Malnutrition and Anemia		
Main cause of problem	Improper nutrient intake in daily diet.		
Full detail of farmer's Practice	Lack of awareness about nutrigarden.		
Full detail of technology to be demonstrated	Plot size 200 m^2 developing crop schedule on rotation basis.		
Source of Technology with year	BAU, Sabour		
Name of the Technology	Planning & layout of Nutritional garden		
Thematic area	Household food security		
Name of village	Hariharpur		
Area (ha)/Unit (No.)	200 sqm	No of farmers	4
Performance indicator	(I) Technical indicator- Prevalence of Anemia, BMI, Yield in kg. (II) Economic indicator : Net Return , BCR (III) Farmer Feedback		

FLD No: 09

Title of FLD	Front Line Demonstration on application of Propiconazole for controlling rust disease in Lentil.		
Season & Year	Rabi 2025-26		
Main Problem	Low yield due to rust disease in lentil		
Main cause of problem	Yield decrease in lentil due to infestation of *Uromyces viciae fabae*		
Full detail of farmer's Practice	Application of Carbendazim @ 2 gm/lit.		
Full detail of technology to be demonstrated	Seed treatment with Propiconozole @1ml/kg seed & 2 Foliar spray of Propiconazole @ 1ml/lit., 1st at 45 DAS and 2nd at 60 DAS		
Source of Technology with year	DRPCAU, Pusa 2021		
Name of the Technology	Propiconazole @ 1 ml/lit.		
Thematic area	Disease Management		
Name of villages	Baghari, Hariharpur, Nimahi, Bhasar		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	*10*
Performance indicator	i) Technical indicator- Disease incidence percentage. ii) Economic Indicator-Yield, B.C. ratio. iii) Farmers Feedback		

FLD No: 10

Title of FLD	Front Line Demonstration on application of Imidachloprid for controlling leaf hopper in Mango		
Season & Year	2025-26		
Main Problem	Low production due to sever infestation of Mango leaf hopper		
Main cause of problem	Decrease yield and quality due to infestation of *A. Atkinsoni*		
Full detail of farmer's Practice	Spray of Dimethoate 30 EC @ 1 ml/lit. water		
Full detail of technology to be demonstrated	2 spray of Imidachloprid 17.8 SL @ 0.3 ml/lit. water 1st spray at panicle formation & 2nd spray after fruit set		
Source of Technology with year	DRPCAU, Pusa 2022		
Name of the Technology	Imidachloprid 17.8 SL @ 0.3 ml/lit.		
Thematic area	Pest Management		
Name of villages	Baghari, Bhasar.		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	10
Performance indicator	i) Technical indicator- Pest infestation, Cost cultivation, Gross return , Net return, B.C. ratio, Farmers Feedback		

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Paddy	8	40
Wheat	8	40
Vegetable	2	15
Fodder	2	15

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training	Horticulture (4)	September, October	100
		Agronomy (4)	June, July, Sept, October	150
		Animal Science (6)	July, August, Nov, December	100
		Plant protection (4)	October, November	100
		Home Science (4)	October, November	100
2	Field days	Horticulture (2)	January, February	100
		Agronomy (2)	January, March	100
		Animal Science (2)	January, November	100
		Plant protection (2)	February, December	100
		Home Science (2)	March, October	100
3	Media coverage	12	Around the year	mass
4	Training for extension functionaries	10	January, March, July, October	250

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
--	-	-	-	-	-	-

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Buffalo	CB	40	100	Oxyclozanide	Milk production
Goat	Local breed	100	500	PPR vaccine	No. of unaffected Goat

Details of all FLD in the given format

FLD - 01

Title of FLD	Front Line Demonstration of NRCL Tricoderma against wilting in Brinjal		
Season & Year	Rabi - 2025-26		
Main Problem	Wilt infestation in Brinjal		
Main cause of problem	Disease management		
Full detail of farmer's Practice	Use of Carbendazim 50% WP		
Full detail of technology to be demonstrated	NRCL Trichoderma – i) 10 gm/lit. of water for seedling root treatment., ii) Soil application of 1kg NRCL + 150 kg FYM @ 500gm/plant 15 DAT		
Source of Technology with year	NRC, Muzaffarpur 2021		
Name of the Technology	Control of wilting infestation		
Thematic area	Disease management		
Name of villages	Samhauli		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1	**No of farmers**	10
Performance indicator	(i) Disease infestation % (ii) Fruit quality (iii) Production (iv) B.C.R.		

FLD No : 02

Title of FLD	Front Line Demonstration of 50% RDF (60:40:40) + 20 Q Vermicompost + 5kg PSB/ha for increasing yield and quality of Cauliflower.		
Season & Year	Rabi - 2025-26		
Main Problem	Change the curd surface area into brown and hollow stem		
Main cause of problem	Nutrient deficiency		
Full detail of farmer's Practice	Use of NPK 150:100:80		
Full detail of technology to be demonstrated	Application of 50% RDF (60:40:40) + 20 Q Vermicompost + 5 kg PSB/ha for increasing yield and quality of Cauliflower.		
Source of Technology with year	BAU, Sabour, 2021		
Name of the Technology	Application of 50% RDF (60:40:40) + 20Q Vermicompost + 5 kg PSB/ha.		
Thematic area	Nutrient Management		
Name of villages	Samhauli, Pipradhi		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	10
Performance indicator	iii) Technical indicator : Fruit quality , Fruit size iv) Economic Indicator : BCR		

FLD No: 03

Title of FLD	Front Line Demonstration on application of Potassium nitrate (KNO_3) @ 1% at anthesis stage in late sown wheat		
Season & Year	Rabi 2025-26		
Main Problem	Heat stress		
Main cause of problem	Low productivity of Wheat due to improper nutrient management		
Full detail of farmer's Practice	Delay sown wheat in 2nd fortnight of December		
Full detail of technology to be demonstrated	Foliar spray of 1.0% Potassium nitrate (KNO_3) at anthesis stage		
Source of Technology with year	BAU, Sabour, 2018		
Name of the Technology	Foliar spray of 1.0% Potassium nitrate (KNO_3) at anthesis stage		
Thematic area	Nutrient Management		
Name of villages	Sandhwara, Koili		
Farming situation	Paddy – Wheat		
Area (ha)/Unit (No.)	4	**No of farmers**	10
Performance indicator	iii) Technical indicator No. of tillers /m^2, Plant height (cm) days to maturity iv) Economic Indicator : Yield q/ha, Gross return, Net return, B.C. Ratio		

FLD No: 04

Title of FLD	Front Line Demonstration on application of Nano Urea in rice		
Season & Year	Kharif – 2025		
Main Problem	Excessive use of chemical fertilizer		
Main cause of problem	Spiraling price of urea leads to increase in cost of cultivation		
Full detail of farmer's Practice	RDF (100:40:20) kg/ha		
Full detail of technology to be demonstrated	50% of RDN & 100% PK+2 sprays of Nano Urea at (30-35 DAT) and (60-65 DAT) @ 4ml/lit water		
Source of Technology with year	BAU, Sabour, 2022		
Name of the Technology	50% of RDN & 100% PK+2 sprays of Nano Urea at (30-35 days) and (60-65 days) @ 4ml/lit. water		
Thematic area	Nutrient Management		
Name of villages	Rupauli, Bhasar		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	4	**No of farmers**	10
Performance indicator	iii) Technical indicator No. of tiller m^2, Plant height (cm) days to maturity iv) Economic Indicator : Yield q/ha, Gross return, Net return, B.C. Ratio		

FLD No: 05

Title of FLD	FLD on Application of Oxyclozanide (Flukicidal) in Buffalo		
Season & Year	Rainy season – 2025-26		
Main Problem	Liver fluke infection		
Main cause of problem	No use of periodical flukicidal		
Full detail of farmer's Practice	No use of drug of choice for liver fluke like Oxyclozanide		
Full detail of technology to be demonstrated	Use of Oxyclozanide @ 90 ml/buffalo after end of rainy season		
Source of Technology with year	WBUAFS, Kolkata		
Name of the Technology	Use of Oxyclozanide @ 90 ml/buffalo after end of rainy season		
Thematic area	Livestock production management		
Name of villages	Majhaur, Balha Madhusudan, Pipradhi & Bahilwara		
Farming situation	-		
No of Buffalo	100	**No of farmers**	40
Performance indicator	iii) Technical indicator : Milk production iv) Economic Indicator : Net return & B.C. Ratio		

FLD No: 06

Title of FLD	FLD on PPR Vaccination in Goat		
Season & Year	2025-26		
Main Problem	High mortality in Goat		
Main cause of problem	Due to infection of PPR mortality in Goat increases		
Full detail of farmer's Practice	No vaccination regularly		
Full detail of technology to be demonstrated	1ml PPR vaccine in goat at any season		
Source of Technology with year	WBUAFS, Kolkata		
Name of the Technology	1ml PPR vaccine in goat at any season		
Thematic area	Disease Management		
Name of villages	Kurthaiya, Narah, Basudebpur and Narayanpur		
Farming situation	-		
No. of goats	500	**No of farmers**	100
Performance indicator	iii) Technical indicator: No of goat unaffected, iv) Body weight gain and B C ratio		

FLD No: 07

Title of FLD	FLD on popularization of Bio fortified Wheat variety Rajendra Gehun-3		
Season & Year	Rabi 2025-26		
Main Problem	Malnutrition particularly Anaemia is a serious problem of women and children		
Main cause of problem	Malnutrition due to lack of Iron & Zinc in daily diet.		
Full detail of farmer's Practice			
Full detail of technology to be demonstrated	Rajendra Gehun-3		
Source of Technology with year	DRPCAU- 2021		
Name of the Technology	Wheat variety Rajendra Gehun-3		
Thematic area	Nutrition Security		
Name of villages	Hariharpur		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	1 ha	No of farmers	10
Performance indicator	(III) Clinical indicator (IV) Farmer Feedback		

FLD No: 08

Title of FLD	**FLD on establishment of nutrigarden for food security**		
Season & Year	Around the year.		
Main Problem	Malnutrition and Anemia		
Main cause of problem	Improper nutrient intake in daily diet.		
Full detail of farmer's Practice	Lack of awareness about nutrigarden.		
Full detail of technology to be demonstrated	Plot size 200 m^2 developing crop schedule on rotation basis.		
Source of Technology with year	BAU, Sabour		
Name of the Technology	Planning & layout of Nutritional garden		
Thematic area	Household food security		
Name of village	Hariharpur		
Area (ha)/Unit (No.)	200 sqm	No of farmers	4
Performance indicator	(IV) Technical indicator- Prevalence of Anemia, BMI, Yield in kg. (V) Economic indicator : Net Return , BCR (VI) Farmer Feedback		

FLD No: 09

Title of FLD	Front Line Demonstration on application of Propiconazole for controlling rust disease in Lentil.		
Season & Year	Rabi 2025-26		
Main Problem	Low yield due to rust disease in lentil		
Main cause of problem	Yield decrease in lentil due to infestation of *Uromyces viciae fabae*		
Full detail of farmer's Practice	Application of Carbendazim @ 2 gm/lit.		
Full detail of technology to be demonstrated	Seed treatment with Propiconozole @1ml/kg seed & 2 Foliar spray of Propiconazole @ 1ml/lit., 1st at 45 DAS and 2nd at 60 DAS		
Source of Technology with year	DRPCAU, Pusa 2021		
Name of the Technology	Propiconazole @ 1 ml/lit.		
Thematic area	Disease Management		
Name of villages	Baghari, Hariharpur, Nimahi, Bhasar		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	*10*
Performance indicator	iv) Technical indicator- Disease incidence percentage. v) Economic Indicator-Yield, B.C. ratio. vi) Farmers Feedback		

FLD No: 10

Title of FLD	Front Line Demonstration on application of Imidachloprid for controlling leaf hopper in Mango		
Season & Year	2025-26		
Main Problem	Low production due to sever infestation of Mango leaf hopper		
Main cause of problem	Decrease yield and quality due to infestation of *A. Atkinsoni*		
Full detail of farmer's Practice	Spray of Dimethoate 30 EC @ 1 ml/lit. water		
Full detail of technology to be demonstrated	2 spray of Imidachloprid 17.8 SL @ 0.3 ml/lit. water 1st spray at panicle formation & 2nd spray after fruit set		
Source of Technology with year	DRPCAU, Pusa 2022		
Name of the Technology	Imidachloprid 17.8 SL @ 0.3 ml/lit.		
Thematic area	Pest Management		
Name of villages	Baghari, Bhasar.		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	2	**No of farmers**	10
Performance indicator	i) Technical indicator- Pest infestation, Cost cultivation, Gross return , Net return, B.C. ratio, Farmers 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						
		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								
Site specific nutrient management								
Integrated Farming	Importance of Integrated farming system	18	3	21	3	1	4	25
Water management								
Seed production	Package and practices of seed production of Wheat	20	3	23	2	-	2	25
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Natural farming	Natural Farming	16	4	20	3	2	5	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	Scientific cultivation of off season vegetables	20	5	25	-	-	-	25
Nursery raising	Scientific vegetable seedling production	20	2	22	2	1	3	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	Importance and production techniques of protected cultivation	15	5	20	3	2	5	25
Natural farming								
b) Fruits								
Training and Pruning	Scientific practices of training & pruning in Mango	20	2	22	2	1	3	25
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	Importance and techniques of rejuvenation for mango orchard	20	5	25	-	-	-	25
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	Methods of fertility management	20	1	21	2	2	4	25
Soil and Water Conservation								
Integrated Nutrient Management	Role and application of different nutrients	18	2	20	3	2	5	25
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	Method of soil sampling	20	1	21	2	2	4	25
IV Livestock Production and Management								
Dairy Management	Scientific management of milch cattle	15	5	20	3	2	5	25
Poultry Management	Importance of back yard poultry	15	5	20	2	3	5	25
Piggery Management								
Rabbit Management/goat								
Disease Management	Importance of PPR in Goat scientific management of disease in cattle	30	5	35	10	5	15	50
Feed management	Scientific cultivation of fodder production	20	2	22	2	1	3	25
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	Backyard gardening for nutrition a practical guide	5	40	45	3	2	5	50
Design and development of low/minimum cost diet	Low cost diet formulation an development for malnutrition and anemia	-	10	10	-	15	15	25
Designing and development for high nutrient efficiency diet	Importance of balanced died for nutritional deficiency diet	-	10	10	-	15	15	25
Minimization of nutrient loss in processing	Importance of different food processing technique to preventing nutrient loss and such as steaming, pressure cooking, cutting, over healthy	-	10	10	-	15	15	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	Importance and preparation of value added produce. Such as millet product Jam, Juice, Sauce, Chip, Pickles etc.	-	10	10	-	15	15	25
Income generation activities for empowerment of rural Women	Development & preparation of Bakery products	-	10	10	-	15	15	25
	Creating and selling handicraft candles, Soap or other goods using locally available items	-	10	10	-	15	15	25

	Promotion of millet based production and processing technology	-	10	10	-	15	15	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	Integrated pest management in crops	22	1	23	1	1	2	25
	Integrated pest management in fruits & vegetables	20	2	22	2	1	3	25
Integrated Disease Management	Integrated disease management in fruits and vegetables	22	1	23	1	1	2	25
	Integrated disease management pest and disease management	20	2	22	2	1	3	25
Bio-control of pests and diseases	Importance of Bio control pest and disease management	18	2	20	3	2	5	25
Production of bio control agents and bio pesticides	Production techniques of Bio control agents	19	1	20	3	2	5	25
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	Social net work analysis for rural leadership	20	2	22	2	1	3	25
Group dynamics								
Formation and Management of SHGs/FPOs etc	Importance and role of FPO for collective decision making	20	5	25	-	-	-	25
Mobilization of social capital	Net work building and its importance	18	2	20	3	2	5	25
	Use of social media for awareness creation	20	2	22	3	-	3	25
Entrepreneurial development of farmers/youths	Business canvas development through mushroom production	2	18	20	1	4	5	25
	Employment generation through Vermicompost production	18	3	21	2	2	4	25
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL		**511**	**201**	**712**	**65**	**148**	**213**	**925**
(B) RURAL YOUTH								
Mushroom Production	Mushroom production technique	20	40	60	5	10	15	75
Bee-keeping								
Integrated farming	Role of integrated farming for sustainable farming	16	3	19	4	2	6	25
Seed production	Oil seed production techniques	18	2	20	5	0	5	25
Production of organic inputs	Protection techniques in vermicompsot	17	3	20	3	2	5	25
Integrated Farming (Medicinal)								
Planting material production	Scientific plant propagation techniques	40	2	42	5	3	8	50
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops	Package and practices of protected cultivation	20	2	22	2	1	3	25
Commercial fruit production	Scientific fruit cultivation	21	2	23	1	1	2	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	Scientific process of training and pruning	40	2	42	5	3	8	50
Value addition	Importance and preparation of value added product	-	10	10	-	15	15	25
Production of quality animal products								
Dairying	Scientific dairy management	20	1	21	3	1	4	25
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers	Role and responsibility of Extension worker	20	5	25	-	-	-	25
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	Importance of post harvest management in vegetables	2	18	20	2	3	5	25
Tailoring and Stitching								
Rural Crafts								
TOTAL		**234**	**90**	**324**	**35**	**41**	**76**	**400**
© Extension Personnel								
Productivity enhancement in field crops	Package and practices of cereal crop	38	4	42	6	2	8	50
Integrated Pest Management	Importance of IPM in Horticulture	20	3	23	1	1	2	25
	Importance of IPM in crops	21	3	24	1	-	1	25
Integrated Nutrient management	Role of INM in different crops	39	3	42	6	2	8	50
Rejuvenation of old orchards	Scientific process of rejuvenation for old orchard	21	1	22	2	1	3	25
Protected cultivation technology	Scientific cultivation of vegetables under protected method	20	3	23	2	-	2	25
Formation and Management of SHGs	Role and responsibility of SHG members	10	10	20	3	2	5	25
Group Dynamics and farmers organization	Social net work analysis for leadership	18	2	20	3	2	5	25
Information networking among farmers								
Capacity building for ICT application	Importance of capacity building among SHGs	20	2	22	2	1	3	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	Scientific feed management in milch cattle	40	4	44	4	2	6	50
Household food security	Importance and establishment of nutria garden	5	15	20	3	2	5	25
Women and Child care								
Low cost and nutrient efficient diet designing	Low cost diet formulation an development for malnutrition and anemia	-	10	10	-	15	15	25
Production and use of organic inputs	Scientific production of natural farming product	40	5	45	3	2	5	50
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL		**292**	**65**	**357**	**36**	**32**	**68**	**425**
G. Total		**1037**	**356**	**1393**	**136**	**221**	**357**	**1750**

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	02	38	4	42	6	2	8	50
Resource Conservation Technologies	02	40	3	43	5	2	7	50
Cropping Systems								
Crop Diversification								
Integrated Farming	01	18	2	20	5		5	25
Water management	02	39	3	42	8	-	8	50
Seed production	02	40	2	42	8	-	8	50

Nursery management								
Integrated Crop Management								
Fodder production	01	18	3	21	3	1	4	25
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	02	32	8	40	6	4	10	50
Off-season vegetables	01	22	1	23	1	1	2	25
Nursery raising	02	40	5	45	3	2	5	50
Exotic vegetables like Broccoli	01	22	3	25	-	-	-	25
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	01	23	1	24	1	-	1	25
b) Fruits								
Training and Pruning	01	22	1	23	1	1	2	25
Layout and Management of Orchards								
Cultivation of Fruit	02	32	8	40	6	4	10	50
Management of young plants/orchards	01	20	4	24	1	-	1	25
Rejuvenation of old orchards	02	38	4	42	5	3	8	50
Export potential fruits								
Micro irrigation systems of orchards	01	22	2	24	1	-	1	25
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	6	42	5	3	8	50
Soil and Water Conservation								
Integrated Nutrient Management	2	40	3	43	4	3	7	50
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	1	16	3	19	6	-	6	25
Nutrient Use Efficiency								
Soil and Water Testing	2	40	4	44	3	3	6	50
IV Livestock Production and Management								
Dairy Management	02	40	5	45	3	2	5	50
Poultry Management	01	20	2	22	2	1	3	25
Piggery Management	-							
Rabbit Management /goat								
Disease Management	10	200	40	240	5	5	10	250
Feed management	10	200	40	240	5	5	10	250

Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	04	15	15	30	20	50	70	100
Design and development of low/minimum cost diet	04	-	20	20	-	80	80	100
Designing and development for high nutrient efficiency diet	02	-	20	20	-	30	30	50
Minimization of nutrient loss in processing	02	-	20	20	-	30	30	50
Gender mainstreaming through SHGs								
Storage loss minimization techniques	02	-	20	20	-	30	30	50
Value addition	04	-	20	20	-	80	80	100
Income generation activities for empowerment of rural Women	04	-	20	20	-	80	80	100
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	10	200	30	230	15	5	20	250
Integrated Disease Management	10	200	30	230	15	5	20	250
Bio-control of pests and diseases	02	35	5	40	6	4	10	50
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								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	10	200	20	220	20	10	30	250
Group dynamics	02	30	10	40	5	5	10	50
Formation and Management of SHGs(HS)	10	200	20	220	20	10	30	250
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro)	02	30	10	40	5	5	10	50
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**122**	**1968**	**417**	**2385**	**199**	**466**	**665**	**3050**

C) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
I. Crop Production								
Weed Management	2	38	4	42	6	2	8	50
Resource Conservation Technologies	2	40	3	43	5	2	7	50
Cropping Systems								
Crop Diversification								
Integrated Farming	2	36	5	41	8	1	9	50
Water management	2	39	3	42	8	-	8	50
Seed production	3	60	5	65	10	-	10	75
Nursery management								
Integrated Crop Management								
Fodder production	1	18	3	21	3	1	4	25
Production of organic inputs Natural farming	1	16	4	20	3	2	5	25
Others, (cultivation of crops)								
TOTAL	**13**	**247**	**27**	**274**	**43**	**8**	**51**	**325**
II. Horticulture								
a) Vegetable Crops								
Integrated nutrient management								
Water management								
Enterprise development								
Skill development								
Yield increment								
Production of low volume and high value crops	2	32	8	40	6	4	10	50
Off-season vegetables	2	42	6	48	1	1	2	50
Nursery raising	3	60	7	67	5	3	8	75

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
Exotic vegetables like Broccoli	1	22	3	25	-	-	-	25
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	2	38	6	44	4	2	6	50
Others, if any (Cultivation of Vegetable)								
TOTAL	**10**	**194**	**30**	**224**	**16**	**10**	**26**	**250**
b) Fruits								
Training and Pruning	2	42	3	45	3	2	5	50
Layout and Management of Orchards								
Cultivation of Fruit	2	32	8	40	6	4	10	50
Management of young plants/orchards	1	20	4	24	1	-	1	25
Rejuvenation of old orchards	3	58	9	67	5	3	8	75
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
Others, if any(INM)								
TOTAL	**8**	**152**	**24**	**176**	**15**	**9**	**24**	**200**
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
Others, if any								
TOTAL								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
Others, if any								
TOTAL								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
Others, if any								
TOTAL								
f) Spices								
Production and Management technology								
Processing and value addition								
Others, if any								
TOTAL								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value								

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
addition								
Others, if any								
TOTAL								
III. Soil Health and Fertility Management								
Soil fertility management	3	56	7	63	7	5	12	75
Soil and Water Conservation								
Integrated Nutrient Management	3	58	5	63	7	5	12	75
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	1	16	3	19	6	-	6	25
Nutrient Use Efficiency								
Soil and Water Testing	3	60	5	65	5	5	10	75
Others, if any								
TOTAL	**10**	**190**	**20**	**210**	**25**	**15**	**40**	**250**
IV. Livestock Production and Management								
Dairy Management	3	55	10	65	6	4	10	75
Poultry Management	2	35	7	42	4	4	8	50
Piggery Management								
Rabbit Management								
Disease Management	12	230	45	275	15	10	25	300
Feed management	11	220	42	262	7	6	13	275
Production of quality animal products								
Others, if any (Goat farming)								
TOTAL	**28**	**540**	**104**	**644**	**32**	**24**	**56**	**700**
V. Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	6	20	55	75	23	52	75	150
Design and development of low/minimum cost diet	5	-	30	30	-	95	95	125
Designing and development for high nutrient efficiency diet	3	-	30	30	-	45	45	75
Minimization of nutrient loss in processing	3	-	30	30	-	45	45	75
Gender mainstreaming through SHGs								
Storage loss minimization techniques	2	-	20	20	-	30	30	50
Enterprise development								
Value addition	5	-	30	30	-	95	95	125
Income generation activities for empowerment of rural Women	7	-	50	50	-	125	125	175
Location specific drudgery reduction technologies								
Rural Crafts								
Capacity building								
Women and child care								

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
Others, if any								
TOTAL	**31**	**20**	**245**	**265**	**23**	**487**	**510**	**775**
VI. Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post-Harvest Technology								
Others, if any								
TOTAL								
VII. Plant Protection								
Integrated Pest Management	12	242	33	275	18	7	25	300
Integrated Disease Management	12	242	33	275	18	7	25	300
Bio-control of pests and diseases	3	53	7	60	9	6	15	75
Production of bio control agents and bio pesticides	1	19	1	20	3	2	5	25
Others, if any								
TOTAL	**28**	**556**	**74**	**630**	**48**	**22**	**70**	**700**
VIII. Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture & fish disease								
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Others, if any								
TOTAL								
IX. Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
Others, if any								
TOTAL								
X. Capacity Building and Group Dynamics								
Leadership development	11	220	22	242	22	11	33	275
Group dynamics	2	30	10	40	5	5	10	50
Formation and Management of SHGs	11	220	25	245	20	10	30	275
Mobilization of social capital	2	38	4	42	6	2	8	50
Entrepreneurial development of farmers/youths	4	50	31	81	8	11	19	100
WTO and IPR issues								
Others, if any								
TOTAL	**30**	**558**	**92**	**650**	**61**	**39**	**100**	**750**
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
TOTAL								
XII. Others (Pl. specify)								
TOTAL								

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
Mushroom Production	3	20	40	60	5	10	15	75
Bee-keeping								
Integrated farming	1	16	3	19	4	2	6	25
Seed production	1	18	2	20	5	-	5	25
Production of organic inputs	1	17	3	20	3	2	5	25
Planting material production	2	40	2	42	5	3	8	50
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops	1	20	2	22	2	1	3	25
Commercial fruit production	1	21	2	23	1	1	2	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	2	40	2	42	5	3	8	50

Thematic Area	No. of Courses	No. of Participants						
		Other			SC/ST			Grant Total
		Male	Female	Total	Male	Female	Total	
Value addition	1	-	10	10	-	15	15	25
Production of quality animal products								
Dairying	1	20	1	21	3	1	4	25
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers	1	20	5	25	-	-	-	25
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post-Harvest Technology	1	2	18	20	2	3	5	25
Tailoring and Stitching								
Rural Crafts								
Enterprise development								
Others if any (ICT application in agriculture)								
TOTAL	**16**	**234**	**90**	**324**	**35**	**41**	**76**	**400**

iii. Extension Personnel (On and Off Campus)

Thematic Area	**No. of Courses**	**No. of Participants**						
		Other			**SC/ST**			**Grant Total**
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	
Productivity enhancement in field crops	2	38	4	42	6	2	8	50
Integrated Pest Management	2	41	6	47	2	1	3	50
Integrated Nutrient management	2	39	3	42	6	2	8	50
Rejuvenation of old orchards	1	21	1	22	2	1	3	25
Value addition								
Protected cultivation technology	1	20	3	23	2	-	2	25
Formation and Management of SHGs	1	10	10	20	3	2	5	25
Group Dynamics and farmers organization	1	18	2	20	3	2	5	25

Information networking among farmers								
Capacity building for ICT application	1	20	2	22	2	1	3	25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production	2	40	4	44	4	2	6	50
Household food security	1	5	15	20	3	2	5	25
Women and Child care								
Low cost and nutrient efficient diet designing	1	-	10	10	-	15	15	25
Production and use of organic inputs	2	40	5	45	3	2	5	50
Gender mainstreaming through SHGs								
Crop intensification								
Others if any								
TOTAL	**17**	**292**	**65**	**357**	**36**	**32**	**68**	**425**

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	6	90	60	150	10	10	20	100	70	170
Kisan Mela	1	400	100	500	10	5	15	410	105	515
Kisan Ghosthi	16	250	150	400	5	5	10	255	155	410
Exhibition	1	30	20	50	5	5	10	35	25	60
Film Show	-	-	-	-	-	-	-	-	-	-
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons	10	250	100	350	30	10	40	280	120	400
Newspaper coverage	25	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	5	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Popular articles	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Extension Literature	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Advisory Services										
Scientific visit to farmers field	120	900	300	1200	50	10	60	950	310	1260
Farmers visit to KVK	30	3000	1000	4000	200	50	250	3200	1050	4250
Diagnostic visits	10	400	100	500	10	5	15	410	105	515
Exposure visits	2	150	50	200	10	-	10	160	50	210
Ex-trainees Sammelan	2	80	20	100	-	-	-	80	20	100
Soil health Camp	1	30	20	50	2	-	2	32	22	54
Animal Health Camp	2	80	20	10	5	5	10	85	25	110
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	2	80	20	100	5	5	10	85	25	110

Farm Science Club Conveners meet										
Self Help Group Conveners meetings	5	100	100	200	-	-	-	100	100	200
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	15	500	200	700	10	5	15	510	205	715
Krishi Mohostva	2	100	50	150	5	5	10	105	55	160
Krishi Rath										
Pre Kharif workshop	1	80	20	100	10	10	20	90	30	120
Pre Rabi workshop	1	80	20	100	10	10	20	90	30	120
PPVFRA workshop										
Any Other (Specify)	10	500	100	600	10	10	20	510	110	620
Total	**307**	**7020**	**2450**	**9470**	**387**	**150**	**537**	**7407**	**2600**	**10007**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Rajendra Sweta,	120
		Rajendra Mansoori	80
	Wheat	DBW- 187	150
	Mustard	Rajendra Suflam	20
OILSEEDS			
PULSES			
VEGETABLES			
OTHERS (Specify)			

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Hemsagar, Bombay Maldah, Deshari, Amrapali, Mallika, Gulabkhas, Jardalu, Chausa, Krishn Bog	10000
	Guava	L- 49, Lalit, Allahabad Safeda	2000
	Litchi	Sahi, China	5000
	Lemon	Kagji	3000
	Papaya	Red Lady	2000
VEGETABLES	Cauliflower	Girija, Megha, Lucky	30000
	Tomato	Hem Shekhar	2000
	Brinjal	Swarna Shakti	20000
	Drum Stick	PKM2	1000
FOREST SPECIES	Mahogni		30000
	Sagwan		5000
ORNAMENTAL CROPS			
		Total	**110000**

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermicompost	-	-	15000
2	Trichoderma	-	1000	-

D) LIVESTOCK

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

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start :

Number of copies to be published :

(B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper each scientist	10
2	Technical reports	5
3	News letters	-
4	Training manual all discipline	6
5	Popular article	5
6	Extension literature	15
	Total	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	Whatsapp group	Mushroom grower, Vermicompost production seed grower, Garden Keeper	33

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

a. Brief introduction/Background

Name : Raj Kumar Mahto
Village : Pipradhi
Block : Bajpatti
District : Sitamarhi
Pin : 843314
Mob No. : 9955494282
Education : Non Matric
Total Land : 3 hactare

Shri Raj Kumar Mahto belongs to a simple family. He has 3 Hactare of cultivable land, but due to lack of awareness, he was unable to earn not more than 2-3 lakh/year. Earlier he was cultivating mainly Paddy and Wheat.

b. Interventions/process : In 2020, he contacted to KVK Sitamarhi. Expert of KVK Sitamarhi suggested him about latest agricultural practices and also conducted different demonstration like mulching, climate resilient varieties, high value vegetables, resource conservation technologies.

Now he is adopted following technologies :

i) Use of local available mulch in vegetables.
ii) Drip irrigation in vegetables.
iii) Application of Climate Resilient Variety i.e. Swarna Sub- 1, Sabour Nirjal.
iv) Zero Tillage Techniques.
v) DSR.

c. Output

Sl. No.	Name of Crop	Yield (q/ha)	Economics		
			Gross cost	Net return	BCR
1.	Paddy (Swarna Sub- 1)	42.4	33240	51286	2.54
2.	Wheat (Sabour Nirjal)	32.3	32400	41082	2.26
3.	Wheat (DBW- 187) by ZTT	40.1	36500	54728	2.49
4.	Pointed gourd	136.5	103000	179800	2.36
5.	Fodder production (Var. CSV33MF)	878	43800	70340	5.60
6.	Milch cattle		3650 lit./lactation	75737	88513

d. Outcomes

Sl. No.	Crop	Name of technology demonstration	Yield (Q/ha)	Economics of demonstration		
				Gross cost	Net return	BCR
1.	Wheat	Demonstration of Whea (DBW-187) by ZTD	40.1	36500	54728	2.49
2.	Paddy	Demonstration of flood tolerant variety of Paddy (Swarna Sub-1)	42.4	33240	51286	2.54
3.	Pointed gourd	Demonstration of mulching in Pointed gourd var. Rajendra parval-1	136.58	103000	179800	2.36
4.	Fodder	Demonstration fodder var. CSV33MF	878	43800	70340	2.60
5.	Buffalo	Demonstration of mineral mixture to increase the milk productivity	3650 lit./lactation	75737	88513	2.16

e. Impact

i) Social economic : Raj Kumar Mahto adopted several good practices with the help of Krishi Vigyan Kendra Sitamarhi. As a result he increased his income by 2 to 3 times.

People of his village as well as nearby village are very happy to visit his demonstration unit and they are also started such new agricultural practice

ii) Bio-Physical

f. Good Action Photographs

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

a) Survey method
b) Focus Group Discussion
c) Questionnaire
d) Observation method

Rural Youth

a) Brain storming
b) Case study
c**)** SWOT analysis
d) Survey method
e) Focus Group Discussion

In-service personnel

a) Campetency study
b) Performance appraisal
c) 360 Performance appraisal
d) Focus Group Discussion

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 farmers level New variety/technology
iii) Existing cropping system Poor yield at farmers level New variety/technology

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) -
ii. No. of farm families selected per village : 20
iii. No. of PRA conducted :06
iv. No. of technologies taken to the adopted villages: 05
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 : 2012

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Weighing Machine	1	19,231=00
2	Soil Testing laboratory (Equipment)	1	
3	Spectrophotometer	1	71,100=00
4	Flame photometer	2	44,350=00
5	P^H meter	1	8,850=00
6	Conductivity bridge	1	8,750=00
7	Physical balance	1	8,850=00
8	Chemical Balance	1	88,500=00
9	Water distillation set	10	88,750=00
10	Kjeldhal digestion and distillation (2set)	2	88,575=00
11	Shaker	1	44,250=00
12	Oven	1	13,250=00
13	Hot plate	6	22,000=00
14	Mrida Parikshak Kit	2	1,61,000=00
15	Refilling Kit for Soil Testing	1	56,700=00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	800	50	-
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	DHO Sitamarhi	Training	Skill upgradation
2.	District Planning Officer	Establishment of Mushroom spawn production lab, soil Testing	Easily available of spawn for mushroom production and improvement of soil health by soil testing.
3.	DRRPCAU, Pusa, Samastipur	Demonstration of Climate Resilient Agriculture	Increase the productivity by minimizing the cost of cultivaitn with minimum risk

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	DHO Sitamarhi	Training	Skill upgradation
2.	District Planning Officer	Establishment of Mushroom spawn production lab, soil Testing	Easily available of spawn for mushroom production and improvement of soil health by soil testing.
3.	DRRPCAU, Pusa, Samastipur	Demonstration of Climate Resilient Agriculture	Increase the productivity by minimizing the cost of cultivaitn with minimum risk

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1.	**Training**	
2.	**Agronomy**	**25**
3.	**Horticulture**	**30**
4.	**Animal Science**	**30**
5.	**Plant Protection**	**15**
6.	**Home Science**	**15**
7.	**Agril Extension**	**15**
8.	**Extension Activities**	**25**
9.	**Celebration of Importance days**	**20**

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

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
21.8.2025	PF	Importance of Natural Farming	3	20	2	22	2	1	3	25	August
24.92025	PF	Importance of Bio fortified verities of wheat	3	20	2	22	2	1	3	25	September
Horticulture											
16.9.2025	PF	Process of training & pruning	2	22	3	25	-	-	-	25	September
30.102025	PF	Rejuvenation of Old orchard	2	20	2	22	2	1	3	25	October
Livestock prod.											
10.10.2025	PF	Importance of feed management in milch cattle	2	20	2	22	2	1	3	25	October
19.11.2025	PF	Importance of value addition in fruits and vegetables	2	20	2	22	2	1	3	25	November
Agril. Engg.											
	PF/FW										
	PF/FW										
	PF/FW										
Home Sc.											

15.10.2025	FW	Process of value addition in fruits and vegetables	3	-	24	24	-	1	1	25	October
27.11.2025	FW	Process of fruit and vegetable preservation	2	-	22	22	-	3	3	25	November

Plan prot.											
11.9.2025	PF	Importance of Bio pesticides	2	20	2	22	2	1	3	25	September
21.11.2025	PF	Importance of Integrated Pest Management	2	20	2	22	2	1	3	25	November
Fisheries											
	PF/FW										
	PF/FW										
Soil Health											
2.12.2025	PF	Importance of Integrated Nutrient Management in Crops	2	23	2	25	-	-	-	25	December
16.12.2025	PF	Importance of Integrated Nutrient management in vegetables	2	20	5	25	-	-	-	25	December

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
3.9.2025	PF	Weed management in crops	1	20	5	25	-	-	-	25	December
6.10.2025	PF	Methods of seed treatment importance	1	21	2	23	1	1	2	25	October
Horticulture											
4.11.2025	PF	Importance of off season vegetable cultivation	1	22	1	23	1	1	2	25	November
2.12.2025	PF	Care and management of fruit trees	1	22	2	24	1	-	1	25	December
Live Stock Production.											
10.12.2025	PF	Management of back yard poultry	1	20	2	22	2	1	3	25	December
28.12.2025	PF	Importance of Immunization	1	20	2	22	2	1	3	25	December
Agril. Engg.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Home Sc.											
20.12.2025	FW	Process of Jam Making	1	-	22	22	-	3	3	25	December
3.1.2025	FW	Importance of value addition	1	-	22	22	-	3	3	25	January, 2026
Plant Protection											
19.12.2025	FW	Scientific cultivation of oyster mushroom production	1	-	22	22	-	3	3	25	December
13.01.2026	PF	Scientific management of fruit and stem borer in Mango	1	22	2	24	1	-	1	25	January
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil health											
17.01.2026	PF	Importance of INM in different crops	1	22	1	23	1	1	2	25	January
29.01.2026	PF	Methods of soil sampling and its importance	1	20	5	25	-	-	-	25	January

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		
Dairy	Dairy management	Scientific Dairy Management	5	18	2	20	3	2	5	25	January
Goat	Goat farming	Scientific Goat farming	5	18	2	20	3	2	5	25	February
vermicompost	Integrated Nutrient Management	Scientific Vermicompost production	3	18	20	20	3	2	5	25	September
Orchard	Fruit cultivation	Importance of High density orchard	2	20	2	22	2	1	3	25	March

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										
30.7.2025	EP	Disease management in cattle	3	20	2	2	2	1	3	25
14.8.2025	EP	Importance of Natural Farming	3	20	2	22	2	1	3	25
16.10.20252	EP	Process of Rejuvenation	3	20	2	22	2	1	3	25
29.10.2025	EP	IPM in crops & vegetables	3	20	2	22	2	1	3	25

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
Agronomy	ATMA Sitamarhi	PF	Importance of Natural Farming	10	200	25	225	20	5	25	250
Horticulture		RY	Fruit and vegetable preservation techniques	6	50	50	100	30	20	50	150
Horticulture		PF	Scientific cultivation of medicinal and aromatic plant	2	25	25	50	-	-	-	50
Horticulture	DHO, Sitamarhi	PF	Scientific cultivation of Banana	1	20	5	25	--	-	-	25
Agronomy & Horticulture	DRRPCAU, Pusa	PF	Importance of RCT	**6**	100	20	120	20	10	30	150
		PF	Scientific cultivation of climate resilient crops	**6**	100	20	120	20	10	30	150
		PF	Scientific cultivation of millets	**4**	50	10	60	30	10	40	100
			Importance of different climate resilient technologies	**6**	100	20	120	20	10	30	150
b) Sponsored research programme											
Horticulture	ATMA Sitamarhi	PF	Demonstration of INM in Cauliflower	**1**	20	5	25	-	-	-	25
Agronomy	DRRPCAU, Pusa	PF	Demonstration of ZTT in Wheat	**1**	20	5	25	-	-	-	25
		PF	Demonstration of climate resilient variety of Paddy	**1**	20	5	25	--	-	-	25
		PF	Demonstration of leaf curl resilient variety of Tomato	**1**	20	5	25	-	-	-	25
		PF	Demonstration of High density orchard	**1**	20	5	25	-	-	-	25
c) Any special programmes											
			Total	**120**	**1293**	**392**	**1685**	**182**	**101**	**283**	**1968**

Signature of Senior Scientist & Head