ACTION PLAN 2025 OF KVK ARWAL (BIHAR)

(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, Arwal At - Lodipur, PO-Sarwarpur, PS – Mehandia, Distt. – Arwal (Bihar), Pin Code -804428	8210554284	-	arwalkvk@gmail.com	arwal.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
Bihar Agricultural University, Sabour, Bhagalpur, Bihar, Pin – 813210	0641-2452606	0641 -2452604	deebausabour@gmail.com	bausabour.ac.in

1.2.b. Status of KVK website : Yes/No; **Yes** Date when the website last updated: **07-08-2025**

1.2.c. No. of Visitors (Hits) to your KVK website (as on today): 108960

1.2.d Status of ICT lab at your KVK : No ICT Lab at KVK

a) No. of PC units : -

b) No. of Printers : -

c) Internet connection : -

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Anita Kumari	-	9934802696 8210554284	anitabau71@gmail.com

1.4. Year of sanction: 2008

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	Dr. Anita Kumari	Sr. Scientist & Head	Home Science	Level 13A	9000	152300/-	06-07-2019	Permanent	SC	9934802696 8210554284	anitabau71@gmail.com	
2	Subject Matter Specialist	Dr. C. N. Choudhary	SMS	Agronomy	Level 12	8000	157300/-	25-03-1988	Permanent	Others	9430872108	cnchoudharykvk@gmail.com	
3	Subject Matter Specialist	Dr. Uday Prakash Narayan	SMS	Plant Pathology	Level 11	7000	110500/-	12-11-2007	Permanent	OBC	9473437441	unarayan747@gmail.com	
4	Subject Matter Specialist	Dr. (Mrs.) Kavita Dalmia	SMS	Home Science	Level 11	7000	104200/-	12-06-2009	Permanent	Others	9431805020	kavita.dalmia26@gmail.com	
5	Subject Matter Specialist	Dr. (Mrs.) Bibha Kumari	SMS	Animal Science	Level 11	7000	95400/-	15-06-2009	Permanent	OBC	8987387327	bibhababyvet@gmail.com	
6	Subject Matter Specialist	Sri Ajay Kumar Das	SMS	Horticulture	Level 11	7000	92600/-	16-06-2009	Permanent	SC	9472188633	sabourajay95@gmail.com	
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-	-	-	-	-
8	Programme Assistant	Sri Kundan Kumar	Prog. Asst. (Lab Technician)	Laboratory	Level 6	4200	50500/-	29-10-2012	Permanent	BC	7903421160	kundan85ag@gmail.com	
9	Computer Programmer	Sri Prashant Kr. Sinha	Prog. Asst. (Computer)	Computer	Level 6	4200	49000/-	31-05-2013	Permanent	Others	9931462811	sinha.kvk@gmail.com	
10	Farm Manager	Vacant	-	-	-	-	-	-	-	-	-	-	-

11	Accountant / Superintendent	Mrs. Kumari Jyoti Singh	Assistant	Accounts	Level 6	4200	49000/-	18-04-2013	Permanent	OBC	7970612216	jyoti.sameti@gmail.com	
12	Stenographer	Vacant	-	-	-	-	-	-	-	-	-	-	-
13	Driver	Sri Shyam Sundar Ram	Driver	-	Level 3	2000	29300/-	20-05-2015	Permanent	EBC	8083207093	ssram9381@gmail.com	
14	Driver	Sri Ashok Kumar Das	Driver	-	Level 3	2000	29300/-	13-05-2015	Permanent	SC	9852073351	ashokkumardaskvk813210@gmail.com	
15	Supporting staff	Vacant	-	-	-			-	-	-	-	-	-
16	Supporting staff	Vacant	-	-	-			-	-	-	-	-	-

Note:- 1. Dr. C. N. Choudhary, SMS Agronomy was retired on 31/03/2025

2. Dr. Uday Prakash Narayan, SMS Plant Pathology was transferred to KVK, Nalanda on dated 02/07/2025

3. Sri Ajay Kumar Das, SMS Horticulture was transferred to KVK, Banka on dated 07/08/2025

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	0.3
3.	Under Crops	5.0
4.	Horticulture	1.0
5.	Pond	0.4
6.	Others if any	0.9
	Total	**9.6**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	✓	-						
2.	Farmers Hostel	✓	-						
3.	Staff Quarters (6)	✓	-						
4.	Demonstration Units (2)								
5	Fencing								
6	Rain Water harvesting system								
7	Threshing floor								
8	Farm godown								
	Other								
9									
10									

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Bolero Jeep (BR56A3656)	2012	ICAR	5.12 Lakhs	295295	Condemned
Massey Ferguson Tractor	2009	ICAR	3.82 Lakhs	-	Poor condition
Honda Motorcycle (9646)	2015	ICAR		23136	Good
Honda Motorcycle (9645)	2015	ICAR		18222	Good
New Holland 6500 2WD Super Tractor	2021-22	Govt. of Bihar			Good

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
BOD incubator, Laminar flow, Autoclave	2013	2,35,501.00	Good but not running
Microscope (Simple)	2014	10,000.00	Good
PA System, Codeless Mike, Projector Screen, and accessories	2013	56,396.00	Good
Motorized Projector Screen with Wall mount setup	2024	16,000.00	Good
Farm Implements			
Cultivator – R 9 tyne	2009	16120.00	Good
Cultivator – S 9 tyne	2009	18720.00	Good
M.B. Plough – 1	2009	21320.00	Good
Land Leveler – 1	2009	13000.00	Good
Cage Wheel – 1 Pair	2009	9048.00	Good
Hood Hitch Bumper	2009	17160.00	Good
Spade – 04	2009	540.00	Good
Hand Balance – 1 Set	2009	364.00	Good
Kirloskar Pumping set- 7 HP	2011	36750.00	Good
Gator Sprayer - 01	2011	3800.00	Good
Multi Crop Thresher	2012	99750.00	Good
ZT Seed Drill – 9 tyne	2011	39480.00	Good

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Tractor Drawn Reaper	2011	57750.00	Good
Sprinkler irrigation set	2012	55000.00	Good
Battery operated sprayer – 01	2014	3900.00	Good
Multi Crop Planter	2021-22		Good
Threshers	2021-22		Good
Portable Rice/Wheat Seeder	2021-22		Good
Tractor Trolley	2021-22		Good
Laser Land Leveler	2021-22		Good
Raised Bed Planter	2021-22		Good
New Holland 6500 2WD Super Tractor	2021-22		Good
Zero tillage	2021-22		Good
Tractor mounted sprayer	2021-22		Good
Happy Seeder	2021-22		Good
Weeder	2021-22		Good
Rotary Hay Rake	2021-22		Good

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

Sl. No.	Date
1. Scientific Advisory Committee	26-06-2025

Suggestions of SAC meeting

दिनांक 26 जून 2025 को आयोजित वैज्ञानिक सलाहकार समिति की 16वीं बैठक के दौरान समिति के द्वारा निम्नलिखित सुझाव दिए गए –

1. विगत बैठक के कार्यवाही की प्रति सभी माननीय सदस्यों को ससमय भेजी जाए एवं इसकी संपुष्टि भी अवश्य रूप से करायी जाए।
2. आगामी बैठकों के लिए भारतीय कृषि अनुसंधान परिषद (**ICAR**) के निर्देशिका के आलोक में समिति के सभी मानद सदस्यों को बैठक से **15** दिन पूर्व आमंत्रण भेजा जाए।
3. जिले में **60** से **70** दिनों के **fallow land area** हेतु हरी खाद प्रोत्साहन नीति के तहत **Green Manuring Crops, Cowpea** आदि को प्रोत्साहित किया जाए।
4. केन्द्र प्रक्षेत्र में एयर लेयरिंग (**Air layering**) के द्वारा अमरूद के **5000** पौधे तैयार किए जाएँ।
5. केन्द्र प्रक्षेत्र में आम के **2000** कलम पौध तैयार की जाए।
6. जलवायु अनुकूल कृषि कार्यक्रम की आगामी कार्य योजना में योजना का **40%** भाग बागवानी फसलों के लिए रखने का आदेश प्राप्त है। अतः जिले की वास्तविक परिस्थितियों के आधार पर कार्य योजना ससमय तैयार कर ली जाए।
7. पीएम-किसान सम्मान निधि में जिले के निबंधित किसानों की सूची प्राप्त कर किसान सारथी पोर्टल पर अपलोड की जाए। निबंधित किसानों की अद्यतन सूची हेतु जिला विकास प्रबंधक, नाबार्ड, अरवल / जिला कृषि पदाधिकारी, अरवल /अग्रणी बैंक प्रबंधक, अरवल से संपर्क किया जा सकता है।
8. केन्द्र के प्रशिक्षण कैलंडर की प्रति जीविका के जिला कार्यालय को भी उपलब्ध कराई जाए तथा जीविका उद्यमियों को केन्द्र के व्हाट्सएप ग्रुप में जोड़ा जाए।
9. जिला अंतर्गत कृषि विभाग के **ATM, BTM,** कृषि समन्वयक, किसान सलाहकारों हेतु प्रसार कार्यकर्ता प्रशिक्षण कार्यक्रम आयोजित किया जाए।
10. केन्द्र के क्लस्टर प्रत्यक्षणों (**CFLDs**) एवं ऑन फार्म ट्रायल (**OFTs**) अंतर्गत कृषकों के प्रक्षेत्र का मृदा स्वास्थ्य जांच आवश्यक रूप से करायी जाए।
11. प्रत्यक्षण में जैव-प्रबलित (**Bio-fortified**) बीज के उत्तम प्रभेदों को सम्मिलित किया जाए।
12. चीना, मडुआ, कोदो आदि श्रीअन्न के बीज कृषकों को प्रत्यक्षण हेतु उपलब्ध कराया जाए।
13. केन्द्र के विभिन्न कार्यक्रमों का डेटाबेस (**Database**) तैयार किया जाए ताकि प्रस्तुतीकरण में आसानी हो सके। प्रशिक्षणों में प्रशिक्षणार्थियों की संख्या **25** से **30** होनी चाहिए।
14. एक निश्चित अंतराल पर वैज्ञानिकों के प्रक्षेत्र भ्रमण की सूची तैयार की जाए एवं प्रक्षेत्र का **Intervention** किया जाए।
15. गुणवत्तापूर्ण एक्शन फोटोग्राफ के साथ ऑन फार्म ट्रायल (**OFT**) आयोजित किए जाएं।
16. केन्द्र प्रक्षेत्र में चारा फसलों (**Fodder crop**) का **Cafeteria** होना चाहिए।
17. कृषकों को धान एवं गेंहू की जलवायु प्रतिरोधी किस्म उपलब्ध करायी जाए।
18. समिति के मानद कृषक सदस्यों को भी बैठक के कार्यवाही की प्रति उपलब्ध करायी जाए।

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 & 2	• Productive plain land, temporary water-logged situation in canal area. • Rice wheat is major crop rotation followed by pulses, oil seeds, horticultural crops, live- stock etc.	Clay-to-clay loam soil
2	AES- 3	• Salt affected soil, clay to clay loam, poor in N & Zn. crop restricted to rice-wheat, vegetables, fruit crops specially Aonla, livestock is a secondary enterprise.	Clay-to-clay loam soil
3	AES-4	• Partially sub merged during rain. crop restricted to rice and wheat followed by vegetables and live-stock production including commercial poultry units.	Clay-to-clay loam soil
4	AES-5 & 6	• Major crop restricted to pulses, oilseeds, rice, wheat and live-stock production. Ravenous area covered with perennial wild grasses. Major area under rainfed followed by assured irrigation.	Undulated land with light textured sandy loam soil

b) Land Characteristics

S. No.	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 & 2	Medium productive plain land. Temporary water logging during rainy season especially in ahar/paine/canal irrigated area.	Medium restricted drainage.
2.	AES- 3	Plain land, medium in topography	Freely drained
3.	AES-4	Medium to shallow medium land	Impaired drainage
4.	AES-5 & 6	Undulated land of medium topography	Almost fairly-drained soil

c) AES-wise major problems

S.No.	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 & 2	• Blue bull menace hindering crop intensification and crop diversification like rabi maize (in place of wheat), summer moong, vegetables and others. • Large scale water logging of cropped area especially in Kharif.	1. Blue bull menace
2.	AES- 3	• Cuscuta infestation in lentil (para crops) and others. • Blue bull menace hindering crop intensification and crop diversification like rabi maize (in place of wheat), summer moong, vegetables and others.	1. Blue bull menace 2. Cuscuta problem
3.	AES-4	• Water logging/submergence of cropped area especially during Kharif season adversely affecting crop productivity.	1. Water logging
4.	AES-5 & 6	• Cuscuta infestation in lentil (para crops) and other rabi crops. • Blue bull menace hindering crop intensification and crop diversification like rabi maize (in place of wheat), summer moong, vegetables and others.	1. Blue bull menace 2. Cuscuta problem

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1	Paddy	18683	74113	39.67	(-) 9.83	
2	Wheat	9220	27309	29.1	(-) 13.08	
3	Lentil	2165	2052	9.48	(-) 0.96	
4	Gram	905	890	9.83	(-) 3.47	
5	Mustard	257	230	8.93	(-) 3.44	
6	Lathyrus	161	129	8.04	-	
7	Summer Moong	88	56	6.35	(-) 3.27	
8	Barley	56	111	19.75	-	
9	Maize (Summer)	32	191	59.69	-	
10	Arhar	29	37	12.89	(-) 0.31	
11	Maize (Rabi)	17	128	75.41	(-) 5.06	
12	Ragi	1	1	8.71	(-) 1.89	

Source: Directorate of Economics & Statistics, Year: 2023-24

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	Jan-23	0.00	NA	NA	NA	NA
	Feb-23	0.00	NA	NA	NA	NA
	Mar-23	13.48	NA	NA	NA	NA
	Apr-23	34.68	NA	NA	NA	NA
	May-23	57	NA	NA	NA	NA
	Jun-23	46.76	NA	NA	NA	NA
	Jul-23	180.36	NA	NA	NA	NA
	Aug-23	122	24.5	35.7	68	95
	Sep-23	78.72	24.5	33.1	83	94
	Oct-23	71.24	19.1	36.1	67	95
	Nov-23	0.04	13.3	32.5	66	93
	Dec-23	8.96	9.5	30	59	92
2024	Jan-24	3.28	5.4	23.5	61	92
	Feb-24	23.24	8.2	30.8	33	91
	Mar-24	23.74	11.6	37.8	38	88
	Apr-24	0.44	20.6	44.4	15	51
	May-24	1.72	22.4	45.7	12	86
	Jun-24	70.68	26.3	45.2	12	100
	Jul-24	220.08	26.1	37.9	61	100
	Aug-24	262.78	25.2	36.7	78	100
	Sep-24	68.3	25.7	34.1	77	100
	Oct-24	14.68	23.1	31.4	79	100
	Nov-24	0.00	13.3	27.8	73	100
	Dec-24	0.00	8.7	24.5	51	100
Total		**1302.18**				

Source: Mausam Kendra, Patna

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	88085	600 – 900 per lactation	4 – 5 lit/day	2.9 lit/day
Sheep	1995		Meat 10-11 Kg/animal	3-5 Kg/animal
Goats	37496		Meat 8.9 Kg/animal	5-15 Kg/animal
Cattle				
Crossbred	20065	1755 – 2100 lit. per lactation	6.6 lit/cow/day	1.95 lit/cow/day
Indigenous	50321	720 – 945 lit. per lactation	3.4 lit/cow/day	1.6 lit/cow/day
Pigs	5389	60 – 80 Kg/animal		30 – 60 Kg/animal
Poultry				
Hens	93044	120 – 230 egg/bird/year		80 – 100 eggs/bird/year
Desi	25362	80 eggs/bird/year		220 eggs/bird/year
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)		8.5 thousand tons	3 tons/ha	2 – 3 tons/ha

* Statical report

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Arwal	Kaler	Belaon	Paddy, Wheat	Paddy: 45 q/ha Wheat: 35 q/ha	Termite, delay in sowing	IPM, RCT & ZT drill
	Arwal	Fatehpur Sanda	Paddy, Mustard	Paddy: 45 q/ha Mustard: 12 q/ha	Delay sowing, Cuscuta	IWM & IPM
	Arwal	Muradpur Huzra	Vegetables & Mushroom Production	Veg.: 150 q/ha Mushroom: 2.25 Kg/bag	Imbalanced use of nutrients in crop production, lack of seed availability	Income generation and value addition
	Arwal	Koriyam	Vegetables & Mushroom Production	Veg.: 160 q/ha Mushroom: 2.1 Kg/bag	Imbalanced use of nutrients in crop production, lack of seed availability	Income generation and value addition
	Kaler	Nawada	Orchards	150 q/ha	Lack of quality seeds	Crop production
	Kaler	Sohsa	Paddy, Wheat & Vegetables	Paddy: 42 q/ha Wheat: 33 q/ha Veg.: 165 q/ha	Lack of proper variety of seed according to time duration.	Vegetable production

2.6 Top five major priority thrust areas:

i. Enhancement of wheat/lentil productivity through RCT and other technological interventions.
ii. Popularization of Millet cultivation.
iii. Diversification of cereal based cropping system towards Rabi maize, horticulture etc.
iv. To increase the milk productivity of milch animals through proper management interventions.
v. Empowerment of women in agriculture through mushroom cultivation, dairy farming etc.

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
05	41	9.0	80 units	190

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
68	1700	354	4950 & Mass

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
275.0 q	50000 Nos.	-	125

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									
2									
3									
4									
5									
6									

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										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition						2				
Integrated Pest Management					5					
Integrated Disease Management	3									
Resource conservation technology					3					
Small Scale income generating enterprises										
TOTAL	**3**	**-**	**-**	**-**	**8**	**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								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	-	-	-	-	-	-	-	-

B. Details of all On Farm Trial

OFT – 1 (Plant Protection)

Crop	**Rice**
Season	Kharif
Main problem	Yield Loss due to False smut of Rice
Main cause	Farmers cultivate old rice variety which is highly susceptible to false smut of rice
Title of OFT	**Management of False Smut *Ustilaginoidea virens* (Cooke) in Rice**
Farming situation	Medium land, Sandy loam to loam, canal irrigation
Thematic area	IDM
Farmer practice	**T1 -** Seed Treatment with Carbendazim 50 WP
Technology option selected for assessment	**T2 –** Two sprays of Propiconazole 13.9% + Difenoconazole 13.9% EC @ 0.02-0.03 % a.i./ha or 0.7-1.0 ml/lit (formulation 500 ml/ha) **T3–** Trifloxastrobin 25% + Tebuconazole 50 % @ 100=50 g a.i./ha (formulation 200 g/ha). **T4–** Fluopyram 17.7 + Tebuconazole 17.7 SC @ 96.5 g a.i. / ha (formulation 550 g/ha).
Source of technology	G. B. P. Uni. & Tech., Pantnagar
No of trial	8
Detail of critical input	Fungicides
Cost of individual critical input	Rs. 1000.00
Total cost of critical input	Rs. 8000/ha
Performance indicator to be recorded	i. Technical indicator (No of tillers, Effective tillers, grains per panicle, Yield (Q/ha) ii. Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) iii. Farmer perception

OFT – 2 (Plant Protection)

Crop	**Okra**
Season	Kharif
Main problem	Low yield due to borer infestation
Main cause	Heavy infestation of Fruit borers in rainy season.
Title of OFT	**Management of Shoot and Fruit borer of Okra (*Earias vitella*)**
Farming situation	Loam soil, Upland, Irrigated
Thematic area	IPM
Farmer practice	**T1-** Spraying of Chlorpyriphos 20 EC
Technology option selected for assessment	**T2– Spraying of Emamectin Benzoate 5 SG @ 60 gram/acre** **T3– Spraying of Flubendiamide 480 SC @ 40 ml/Acre** **T4– Spraying of Nuvaluron 10 EC @ 200 ml/Acre**
Source of technology	AICRP on Vegetable
No of trial	8
Detail of critical input	Insecticides
Cost of individual critical input	Rs. 500.00

Total cost of critical input	Rs. 4000/ha Technical
Performance indicator to be recorded	(i) Technical indicator (Fruit infestation %) Yield per ha. (ii) Yield per ha. Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

OFT – 3 (Home Science)

Crop	**Mango**
Season	Summer/ kharif
Main problem	Local people consume fresh ripe mango as such as fruits.
Main cause	Glutting of mango resulting low price in market
Title of OFT	**Assessment of preparation methods of ripe Mango Amawat (Fruit Sheet)**
Farming situation	Home stead
Thematic area	Value addition
Farmer practice	**T1-** Local people consume ripe many fruits as such as ripe.
Technology option selected for assessment	**T2–** Preparation of mango papad from ripe mango (***Formulation – Ingredients: -*** Mango Pulp – 1Kg, Sugar – 100gm, Citric acid – 5.0g, Potassium Metabisulfite – 1.0 gm, Candaman flavour – 5 pc) **T3-** Preparation of mango papad from ripe mango with ginger extract (5gm) & black salt (5 gm) ***(Formulation – Ingredients: -*** Ripe mango pulp – 1 Kg, Sugar – 100 gm, Citric acid – 5 gm, Potassium Metabisulfite - 1.0 gm + Ginger extract – 5gm + Black Salt – 5gm)
Source of technology	Indian Institute of Horticulture Research
No of trial	10
Detail of critical input	Ripe mango pulp (dashhari, maldah, totapuri), Sugar, Citric acid, Potassium Metabisulfite , Ginger extract , Black Salt .
Cost of individual critical input	Rs.1000.00
Total cost of critical input	Rs. 10000.00
Performance indicator to be recorded	1) Sensory evaluation 2) Self life (colour, texture, taste over all acceptability) 3) Maximum gross return with a B:C ratio

OFT – 4 (Horticulture)

Crop	**Brinjal**
Season	Summer/Rabi
Main problem	Low yield of brinjal due to heavy infestation of Brinjal shoot and fruit borer
Main cause	Due to attack of Brinjal Shoot and fruit borer
Title of OFT	**Assessment of management practices for Brinjal shoot and fruit borer (*Leucinodes orbonalis*)**
Farming situation	Sandy loam, irrigated
Thematic area	Integrated Pest Management
Farmer practice	**T1-**Spray of chlorpyriphos 20 EC @ 2.0 ml/lit. water
Technology option selected for assessment	**T2-** Pheromone traps @ 20/ha, Spray azadirachtin 1% EC (10000 ppm) @ 3ml/l water + *Bacillus thuringiensis* var. *kurstaki* @ 2g/l water **T3-** i) Clipping of borer damaged shoots and early infested fruits at weekly intervals ii) Installation of Pheromone traps @ 25-30 traps/ha iii) Need based spray of chlorantraniliprole 18.5 % SC @ 0.35 ml/lit. water at 7-10 days interval
Source of technology	**T2:** IIVR, 2019, **T3:** IIVR, 2021
No of trial	10
Detail of critical input	Insecticides, Biopesticides, Botanicals, Pheromone traps
Cost of individual critical input	Rs. 980/-

Total cost of critical input	Rs. 9800/-
Performance indicator to be recorded	i) Technical indicator (No. of fruits/plant, % fruit infestation, Fruit weight (Kg), Yield (Q/ha) ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) iii) Farmers' perception (Individual, group method)

OFT – 5 (Horticulture)

Crop	**Tomato**
Season	Rabi
Main problem	Low yield and poor quality of tomato
Main cause	Excess irrigation and weeds
Title of OFT	**Assessment of different mulching media for enhancing yield and quality of tomato.**
Farming situation	Heavy loam and irrigated soil
Thematic area	Resource Management
Farmer practice	**T1 -** No use of mulch
Technology option selected for assessment	**T2 -** Black polythene (bpm) **T3 -** Straw mulch **T4 -** White polythene mulch (wpm)
Source of technology	Name of Institute: BAU Sabour 2019, Current J. of Applied science and technology. 37(6).
No of trial	5 (0.5 ha)
Detail of critical input	Different mulch
Cost of individual critical input	Rs. 4000/-
Total cost of critical input	Rs. 20,000/-
Performance indicator to be recorded	i) **Technical indicator:** Plant height(cm), Days to 50% flowering, Days to 50% fruiting, Days to 50% maturity, Number. Of primary branches per plant, Number of flowers per cluster, Number of fruits per cluster, Fruit set % (Number of flowers per cluster/Number of fruit per cluster), fruit weight(gm), marketable fruit yield(q/ha) ii) **Economic indicator:** Cost of cultivation, Gross return, Net return, B:C ratio iii) Farmer perception:

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/ demo.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Rice	IDM	Two spraying of Tebuconazole 13% + Propiconazole 13% @ 1ml/liter of water	Agro-chemicals	Kharif 2025	4.0	10	Disease severity %, No of tillers, Effective tillers, grains per panicle, Yield (Q/ha), Economic indicator, Farmer feedback
2	Guava	IPM	Cellophane bag cover	Cellophane bag	Kharif 2025	1.0	20	Fruit fly damage (%), Disease incidence (%), Physical damage, Fruit weight loss (%), Yield (Kg/acre), Economic indicator, Farmer perception
3	Guava	IPM	Single spray of 10% urea in bloom stage (In May)	Urea	Summer 2025	1.0	20	Fruit weight (gm), Yield per Plant (Kg/plant), Yield (Kg/ha), Economic indicator, Farmer perception
4	Tomato	IPM	Installation of pheromone trap @10 trap/ha. +	pheromone trap, NPV	Rabi 2025-26	2.0	10	Insect infestation %, Yield (Q/ha), Economic indicator,

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demo.	Parameters identified (Yield related attributes, yield economics and farmers' perception
			Spraying of NPV @250 LE/ha in 500 lit. of water					Farmer feedback
5	Nutritional Garden	House hold food security by Kitchen Garden	Crop Selection, layout of NG, Pest Control, Knowledge Sharing, Demonstration of Fruits plant, vegetables kit and seedlings and prepare seasonal calendar	HYV	Kharif/Rabi/ Summer	1.0	50	Yield Q/ha, Economic indicator, Farmer feedback, Anthropometric measurement (height, weight and BMI)
6	Multigrain Aata	Women & child care	Multigrain aata prepared by 65% wheat flour, 15% gram flour, 10% ragi and 10% bajara	Wheat flour, gram flour, ragi & bajra	Round the year	30 Nos.	30	Taste, texture and overall acceptance, Economic indicator, Farmers feedback
7	Mushroom	Mushroom cultivation	Mushroom spawn, formalin, PP Bag, Bavistin	Mushroom kit	Kharif/Rabi/ Summer	50 units	50	Yield (kg/unit), Economic indicator, Farmer feedback
				Total			**190**	

Sponsored Demonstration (CFLD/SC-SP/FLD/CRM)

Crop	Area (ha)	No. of farmers
Mustard under CFLD	50.0	125
Paddy under SCSP	15.0	200
Milky Mushroom under CRM & FLD	50 units	50

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training	20	2025-26	500
2	Field days	15	2025-26	450
3	Media coverage	5	2025-26	125
4	Training for extension functionaries	2	2025-26	50

C. Details of FLD on Enterprises

(i) Farm Implements: NA

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

(ii) Livestock Enterprises: NA

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

Details of all FLD:

FLD – 1 (Plant Protection)

Title of FLD	Demonstration of Fungicide for management of sheath blight of Rice		
Season & Year	Kharif 2025		
Main Problem	Yield Loss due to Sheath blight of Rice		
Main cause of problem	Fungus floating with water in canal area causes Sheath blight infestation in rice		
Full detail of farmer's Practice	Farmers use Carbendazim 50 wp		
Name of the Technology	Two spraying of tebuconazole 13% + Propiconazole 13% @ 1ml/liter of water		
Full detail of technology to be demonstrated	RAU, Pusa		
Thematic area	Disease management		
Source of Technology with year	IDM		
Name of villages	Mushepur, Telpa, Bandhu bigha and Fatehpur sanda		
Farming situation	Medium land, Sandy loam to loam, canal irrigation		
Area (ha)/Unit (No.)	4.0 ha	No. of farmers	10
Performance indicator	(I) Technical indicator (Disease severity %, No of tillers, Effective tillers, grains per panicle, Yield (Q/ha) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer feedback		

FLD – 2 (Plant Protection)

Title of FLD	Demonstration of pheromone trap + NPV for management of fruit borer (*Helicoverpa armigera*) in Tomato		
Season & Year	Rabi (2025-26)		
Main Problem	Heavy loss in yield of tomato due to fruit borer infestation.		
Main cause of problem	Key pest of tomato Fruit borer (*Helicoverpa armigera*)		
Full detail of farmer's Practice	Use of Propanophos 50EC		
Name of the Technology	Installation of pheromone trap @10 trap/ha. + Spraying of NPV @250 LE/ha in 500 lit. of water		
Full detail of technology to be demonstrated	G.B.P. Univ. of Agril. & Technology, Pantnagar		
Thematic area	Insect management		
Source of Technology with year	IPM		
Name of villages	Amir bigha, Telpa, Bodh bigha		
Farming situation	Rice-lentil-vegetable		
Area (ha)/Unit (No.)	2.0 ha	No. of farmers	10
Performance indicator	(I) Technical indicator (Insect infestation %, Yield (Q/ha) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer feedback		

FLD – 3 (Home Science)

Title of FLD	Demonstration of Nutritional Garden		
Season & Year	Kharif / Rabi/ Summer (2025-26)		
Main Problem	Malnutrition (stunting, wasting and underweight)		
Main cause of problem	Lack of knowledge of nutrients deficiency, unavailability of good quality of vegetables seeds, fruit plant, low economic condition, and intake of unbalance diet.		
Full detail of farmer's Practice	Mono crop cultivated in Season wise		
Name of the Technology	Crop Selection, layout of NG, Pest Control, Knowledge Sharing, Demonstration of Fruits plant, vegetables kit and seedlings and prepare seasonal calendar		
Full detail of technology to be demonstrated	Bihar Agricultural University, Sabour, Bhagalpur		
Thematic area	Nutrient management through Nutri Garden.		
Source of Technology with year	House hold food security by Kitchen Garden		
Name of villages	Sarwarpur, Amir bigha and Bandu bigha		
Farming situation	Paddy- wheat- Green gram and some vegetables		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	50
Performance indicator	(I) Technical indicator (Yield Q/ha) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer feedback (IV) Anthropometric measurement (hight , weight and BMI)		

FLD – 4 (Home Science)

Title of FLD	Demonstration of multigrain Aata on health status of lactating women		
Season & Year	Round the year		
Main Problem	Poor nutritional status of lactating women		
Main cause of problem	Lack of knowledge of nutrients deficiency, low economic condition, and intake of unbalance diet.		
Full detail of farmer's Practice	Local people consumed wheat Aata only		
Name of the Technology	Multigrain aata prepared by 65% wheat flour, 15% gram flour, 10% ragi and 10% bajara		
Full detail of technology to be demonstrated	CSA, Kanpur		
Thematic area	Nutrient management		
Source of Technology with year	Women and child care		
Name of villages	Bandu bigha and Sarwarpur		
Farming situation	-		
Area (ha)/Unit (No.)	30 Nos. (5 Kg/person)	No. of farmers	30
Performance indicator	(I) Technical indicator - Sensory evaluation (taste, texture, and overall acceptance) (II) Economic indicator – (III) Farmers feedback -		

FLD – 5 (Home Science)

Title of FLD	Demonstration of mushroom kit for income Generation		
Season & Year	Kharif / Rabi/ Summer		
Main Problem	Unavailability of spawn and other mushroom cultivation items		
Main cause of problem	Shortage of proper facility for storage of mushroom in rural areas		
Full detail of farmer's Practice	Cultivation of vegetable and other crops		
Name of the Technology	Mushroom spawn, formalin, PP Bag, Bavistin		
Full detail of technology to be demonstrated	NRC, Solan, H.P.		
Thematic area	Mushroom cultivation for income generation		
Source of Technology with year	Mushroom cultivation		
Name of villages	Baidrabad, Sarwarpur, and Bara		
Farming situation	-		
Area (ha)/Unit (No.)	50 unit (2 Kg spawn with kit/person)	No. of farmers	50
Performance indicator	(I) Technical indicator (Yield (kg/unit)) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer feedback		

FLD – 6 (Horticulture)

Title of FLD	Demonstration of fruit bagging in Guava for quality improvement.		
Season & Year	Kharif 2025		
Main Problem	Farmer fetch inferior quality and lower marketability due to fruit-fly infestation		
Main cause of problem	Insect infestation at early stage of fruit development.		
Full detail of farmer's Practice	No bagging		
Name of the Technology	Cellophane bag cover		
Full detail of technology to be demonstrated	NRC Litchi, Muzaffarpur		
Thematic area	Insect management		
Source of Technology with year	IPM		
Name of villages	Mahendia, Pipra Bangla, Sonbhadra and Bathe		
Farming situation	Medium upland		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	20
Performance indicator	(I) Technical indicator (Fruit fly damage (%), Disease incidence (%), Physical damage, Fruit weight loss (%), Yield (Kg/acre)) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer perception		

FLD – 7 (Horticulture)

Title of FLD	Demonstration on Crop regulation in Guava (Allahabad Safeda)		
Season & Year	Summer 2025		
Main Problem	Low yield of winter guava		
Main cause of problem	Heavy infestation during rainy season.		
Full detail of farmer's Practice	Harvesting rainy season crops		
Name of the Technology	Single spray of 10% urea in bloom stage (In May)		
Full detail of technology to be demonstrated	ICAR Research Complex for Palandu, Ranchi		
Thematic area	Small production system		
Source of Technology with year	IPM		
Name of villages	Sohsa and Telpa		
Farming situation	Medium upland		
Area (ha)/Unit (No.)	1.0 ha	No. of farmers	20
Performance indicator	(I) Technical indicator (Fruit weight (gm), Yield per Plant (Kg/plant), Yield (Kg/ha)) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer perception		

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								
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	Management of nutrients for vegetable cultivation	15	5	20	3	2	5	25
Off-season vegetables								
Nursery raising	Technique for nursery management raising for Rabi season's veg.	15	5	20	3	2	5	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Natural farming								
b) Fruits								
Training and Pruning	Canopy management of Horticultural crops (Mango & Guava)	15	5	20	3	2	5	25
Layout and Management of Orchards	1) Layout and Management of Orchard 2) Establishment of new orchard	30	10	40	6	4	10	50
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	Management of senile orchard	15	5	20	3	2	5	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	1) Cultivation of medicinal and aromatic plant 2) Scientific cultivation of Medicinal & Aromatic plants	30	10	40	6	4	10	50
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet	Design and development of low/minimum cost diet from locally available materials	5	15	20	2	3	5	25
Designing and development for high nutrient efficiency diet	Designing and development for high nutrient efficiency diet	5	15	20	2	3	5	25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1) Preparation of different recipe of millets 2) Preservation of seasonal fruits & vegetables	10	30	40	4	6	10	50
Income generation activities for empowerment of rural Women	Training for small enterprise by making pulses papad.	5	15	20	2	3	5	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	Preparation of mixed dalia for infant and pre-school going children	5	15	20	2	3	5	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) Insect pest management in Onion 2) Management of insect pest in Pulses. 3) Insect pest management in cole crops	45	15	60	9	6	15	75
Integrated Disease Management	1) Management of early and late blight in potato and tomato 2) Technique and importance of seed treatment in Rice 3) Integrated Disease Management in Rice 4) Integrated Disease Management in Wheat.	60	20	80	12	8	20	100
Bio-control of pests and diseases	Management of Rabi pulses pest and diseases by bio-control	15	5	20	3	2	5	25
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**22**	**270**	**170**	**440**	**60**	**50**	**110**	**550**
(B) RURAL YOUTH & VOCATIONAL								
Mushroom Production	1) Button Mushroom Production technique 2) Mushroom Production technique	20	20	40	5	5	10	50
Bee-keeping	1) Bee-keeping for employment generation 2) Bee-keeping for income generation 3) Bee-keeping for income generation 4) Bee-keeping for income generation	60	20	80	12	8	20	100
Integrated farming								
Seed production								
Production of organic inputs								

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Integrated Farming (Medicinal)								
Planting material production	Techniques of propagation of fruit crops.	15	5	20	3	2	5	25
Vermi-culture	Vermi-compost Production technique	15	5	20	3	2	5	25
Sericulture								
Protected cultivation of vegetable crops	Protected cultivation of horticultural crops	15	5	20	3	2	5	25
Commercial fruit production	Nursery management & high-density plantation of fruit crops	15	5	20	3	2	5	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	Techniques and importance of high-density plantation.	15	5	20	3	2	5	25
Value addition	1) Preparation of Aamla murabba, Amla pickles, red chilli pickles & Lemon pickles 2) Preparation of different type recipe from ripe and raw mango.	10	30	40	4	6	10	50
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching	Tailoring and stitching for employment generation	5	15	20	2	3	5	25
Rural Crafts	Women empowerment through cloth painting	0	20	20	0	5	5	25
TOTAL	**15**	**170**	**130**	**300**	**38**	**37**	**75**	**375**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management	1) Integrated pest and disease Management in summer crops 2) Integrated pest and disease Management in Kharif crops 3) Integrated pest and disease Management in Rabi crops	45	15	60	9	6	15	75
Integrated Nutrient management								
Rejuvenation of old orchards	Technique and management of Senile orchard	15	5	20	3	2	5	25
Protected cultivation technology	Scope and constraints of Protected cultivation of horticultural crops	15	5	20	3	2	5	25
Formation and Management of SHGs								
Group Dynamics and farmers organization								

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care	1) Preparation of multi grain aata and dalia for 2 to 4 years children 2) Food preparation from locally available material for infant and pregnant lady	0	40	40	0	10	10	50
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
TOTAL	**07**	**75**	**65**	**140**	**15**	**20**	**35**	**175**
G. Total	**44**	**515**	**365**	**880**	**113**	**107**	**220**	**1100**

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								
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								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization	2	30	10	40	6	4	10	50
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards	1	15	5	20	3	2	5	25
Rejuvenation of old orchards								

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	1	15	5	20	3	2	5	25
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	20	60	80	8	12	20	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	15	20	2	3	5	25
Value addition								
Income generation activities for empowerment of rural Women	1	5	15	20	2	3	5	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	4	0	80	80	0	20	20	100
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	7	105	35	140	21	14	35	175
Integrated Disease Management	3	45	15	60	9	6	15	75

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**24**	**240**	**240**	**480**	**54**	**66**	**120**	**600**

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Site specific nutrient management	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Natural farming	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	15	5	20	3	2	5	25
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	1	15	5	20	3	2	5	25
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	2	30	10	40	6	4	10	50
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
Natural farming	0	0	0	0	0	0	0	0
b) Fruits								
Training and Pruning	1	15	5	20	3	2	5	25
Layout and Management of Orchards	2	30	10	40	6	4	10	50
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	1	15	5	20	3	2	5	25
Rejuvenation of old orchards	1	15	5	20	3	2	5	25
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants								
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	1	15	5	20	3	2	5	25
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	2	30	10	40	6	4	10	50
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0
IV Livestock Production and Management								
Dairy Management	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	20	60	80	8	12	20	100
Design and development of low/minimum cost diet	1	5	15	20	2	3	5	25
Designing and development for high nutrient efficiency diet	1	5	15	20	2	3	5	25
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	5	15	20	2	3	5	25
Value addition	2	10	30	40	4	6	10	50

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Income generation activities for empowerment of rural Women	2	10	30	40	4	6	10	50
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	5	5	95	100	2	23	25	125
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	10	150	50	200	30	20	50	250
Integrated Disease Management	7	105	35	140	21	14	35	175
Bio-control of pests and diseases	1	15	5	20	3	2	5	25
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
VIII Fisheries	0	0	0	0	0	0	0	0
Integrated fish farming								
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
IX Production of Inputs at site								
Seed Production	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs/FPOs etc	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**46**	**510**	**410**	**920**	**114**	**116**	**230**	**1150**
(B) RURAL YOUTH								
Mushroom Production	2	20	20	40	5	5	10	50
Bee-keeping	4	60	20	80	12	8	20	100
Integrated farming	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Planting material production	1	15	5	20	3	2	5	25
Vermi-culture	1	15	5	20	3	2	5	25
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	15	5	20	3	2	5	25
Commercial fruit production	1	15	5	20	3	2	5	25
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0
Training and pruning of orchards	1	15	5	20	3	2	5	25
Value addition	2	10	30	40	4	6	10	50
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	1	5	15	20	2	3	5	25
Rural Crafts	1	0	20	20	0	5	5	25
TOTAL	**15**	**170**	**130**	**300**	**38**	**37**	**75**	**375**
(C) Extension Personnel								
Productivity enhancement in field crops	0	0	0	0	0	0	0	0
Integrated Pest Management	3	45	15	60	9	6	15	75
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	15	5	20	3	2	5	25
Protected cultivation technology	1	15	5	20	3	2	5	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	2	0	40	40	0	10	10	50
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	**7**	**75**	**65**	**140**	**15**	**20**	**35**	**175**
G. Total	**68**	**755**	**605**	**1360**	**167**	**173**	**340**	**1700**

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	7	126	84	210	-	-	-	126	84	210
Kisan Mela	1	250	250	500	5	2	7	255	252	507
Kisan Ghosthi	5	125	125	250	4	1	5	129	126	255
Exhibition	3	-	-	Mass	-	-	-	-	-	Mass
Film Show	80	-	-	Mass	-	-	-	-	-	Mass
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons	25	500	250	750	50	25	75	550	275	825
Newspaper coverage	10	-	-	Mass	-	-	-	-	-	Mass
Radio talks										
TV talks										
Popular articles	15	-	-	Mass	-	-	-	-	-	Mass
Extension Literature	10	4900	4900	9800	150	50	200	5050	4950	10000
Advisory Services										
Scientific visit to farmers field	120	720	380	1100	-	-	-	720	380	1100
Farmers visit to KVK	5000	2300	2700	5000	10	5	15	2310	2705	5015
Diagnostic visits	20	120	80	200	-	-	-	120	80	200
Exposure visits	5	200	50	250	-	-	-	200	50	250
Ex-trainees Sammelan	2	75	25	100	-	-	-	75	25	100
Soil health Camp										
Animal Health Camp	2	60	40	100	4	2	6	64	42	106
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	1	40	10	50	-	-	-	40	10	50
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	16	250	250	500	-	-	-	250	250	500
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop	1	40	10	50	2	1	3	42	11	53
Pre Rabi workshop	1	40	10	50	2	1	3	42	11	53
PPVFRA workshop										
Any Other (Specify)										
Total										

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	R. Sweta	120
	Paddy	Sabour Sampanna	30
	Wheat	HD-2967	75
	Wheat	HI-1563	25
OILSEEDS	Mustard	RH-725	1.2
PULSES	Lentil	HUL-57	7
	Green gram	Shikha	2
VEGETABLES			
OTHERS (Specify)			

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Guava	L-49	1000
	Citrus	Purbi Kagji	1000
SPICES	-	-	-
VEGETABLES	Cabbage	Tiyassa SS-1057 (F1)	10000
	Cauliflower	Madhuri/Empire	10000
	Tomato	Selection-22	15000
	Brinjal	Rohan (F1) NBH-744	7500
	Chilli	Arka Lohit / Popular hybrid	5500
FOREST SPECIES	-	-	-
ORNAMENTAL CROPS	-	-	-
		Total	**50000**

C) BIO-PRODUCT: NA

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

D) LIVESTOCK: NA

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 : 2025-26

Number of copies to be published : 5000

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	5
3	News letters	4
4	Training manual all discipline	1
5	Popular article	15
6	Extension literature	10
	Total	**36**

(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	Farmer Sri Sudhir Kumar S/O Sri Ram Vinod Sharma, Vill-Musepur, PO- Koyal Bhupat, Block- Kaler, Distt.- Arwal having 4 acres of own land, Small Production System, medium land, clay soil. Traditionally lentil is sown as broadcast after harvest of Paddy. Locally grown traditional variety is prevalent in this area where sowing is done without any seed treatment. Traditional variety is having low yield potential and are vulnerable to various pest complex.
b. Interventions/process	High yielding variety IPL-316 of lentil and seed treatment with fungicide, Rhizobium and use of PSB.
c. Output	High yielding variety IPL-316 of lentil and seed treatment with fungicide, Rhizobium and use of PSB. Spraying of Carbendazim 12% + Mancozeb 63% @2g/l. of water after 65 DAS.
d. Outcomes	10.54 q/ha yield
e. Impact	Farmers' liked this variety especially due to its medium seed size, palatability, resistance to wilt, ultimately resulting in higher productivity.
i) Social economic	Gross Income: Rs. 70,882/-, Net Income: Rs. 41,372/-
ii) Bio-Physical	-
f. Good Action Photographs	 

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

Practicing Farmers

a) Field level observations

b) Farmer group discussions

c)

Rural Youth

a) Field level observations

b) Farmer group discussions

c) Questionnaire & Schedule

d)

In-service personnel

a) Farmer group discussions

b) Field level observations

c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

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

For FLD:

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

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - Belaon (Kaler), Sohsa (Kaler), Muradpur Hujra (Arwal), Koriyam (Arwal), Fatehpur Sanda (Kaler), Nawada (Kaler)
ii. No. of farm families selected per village: 25
iii. No. of PRA conducted: -
iv. No. of technologies taken to the adopted villages: 02
v. Name of the technologies found suitable by the farmers of the adopted villages: HYV, ZT drill
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: NA

1. Year of establishment :

2. List of equipment's purchase with amount

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

3. Targets of samples for analysis:

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

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	ICAR Complex for East region Patna	Technical know-how of water saving technology for different crop.	-
2.	Agricultural Technology Management Agency (ATMA), Arwal	Conduct training and demonstration in the farmers' field.	-
3.	District Agricultural Office, Arwal	Technical feedback, Human Resource development & transfer of technology.	-
4.	District Horticulture Office, Arwal	Technical feedback, Human Resource development & transfer of technology.	-
5.	District Dairy Development Office, Arwal	Technical feedback, Human Resource development & transfer of technology.	-
6.	District Animal Husbandry Office, Arwal	Technical feedback on dairy development	-
7.	Bihar Agricultural Management Extension Training Institute (BAMETI), Patna	Technical feedback, Human Resource development transfer of technology.	-
8.	Women & Child Development Dept., Arwal/ ICDS	Technical feedback, Human Resource development & transfer of technology.	-
9.	JEEVIKA, Arwal and other NGOs of the district	Capacity building of farmers, farm women and rural youth for income generation.	-

10.	NABARD	Creating Awareness on Agriculture among farmers and formation of Kisan club	-
11.	BSDM, Patna	Skill Development Training	-
12.	ASCI, New Delhi	Skill Development Training	-
13.	Other KVKs of the state	Seed & planting material, training and exposure visit of farmer.	-

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	Kharif Mahabhiyan	Training	-
2	Rabi Mahabhiyan	Training	-
3.	Kisan Chaupal	Training	-
4.	Farm Mechanization Fair	Training	-
5.	Scientist-Farmers Interface organized by ATMA	Training	-

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
2		
	Total	

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

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW										
Horticulture											
	PF/FW	Cultivation of medicinal and aromatic plant	1	15	5	20	3	2	5	25	Feb.
	PF/FW	Layout and Management of Orchard	2	15	5	20	3	2	5	25	Mar.
	PF/FW	Establishment of new orchard	1	15	5	20	3	2	5	25	May
	PF/FW	Canopy management of Horticultural crops (Mango & Guava)	2	15	5	20	3	2	5	25	July
	PF/FW	Technique for nursery management raising for Rabi season's veg.	2	15	5	20	3	2	5	25	Aug.
	PF/FW	Management of senile orchard	2	15	5	20	3	2	5	25	Sep.
	PF/FW	Scientific cultivation of Medicinal & Aromatic plants	2	15	5	20	3	2	5	25	Nov.
	PF/FW	Management of nutrients for vegetable cultivation	1	15	5	20	3	2	5	25	Dec.
Livestock prod.											
	PF/FW										
Agril. Engg.											
	PF/FW										
Home Sc.											
	PF/FW	Preservation of seasonal fruits & vegetables	2	5	15	25	2	3	5	25	Jan.
	PF/FW	Preparation of different recipe of millets	2	5	15	25	2	3	5	25	June
	PF/FW	Preparation of mixed dalia for infant and pre-school going children	2	5	15	25	2	3	5	25	July
	PF/FW	Designing and development for high nutrient efficiency diet	1	5	15	25	2	3	5	25	Aug.
	PF/FW	Design and development of low/minimum cost diet from locally available materials	2	5	15	25	2	3	5	25	Sep.
	PF/FW	Training for small enterprise by making pulses papad.	2	5	15	25	2	3	5	25	Nov.

Plan Prot.											
	PF/FW	Management of early and late blight in potato and tomato	1	15	5	20	3	2	5	25	Jan.
	PF/FW	Insect pest management in Onion	1	15	5	20	3	2	5	25	Feb.
	PF/FW	Technique and importance of seed treatment in Rice	1	15	5	20	3	2	5	25	June
	PF/FW	Integrated Disease Management in Rice	1	15	5	20	3	2	5	25	July
	PF/FW	Management of Rabi pulses pest and diseases by bio-control	1	15	5	20	3	2	5	25	Sep.
	PF/FW	Integrated Disease Management in Wheat.	1	15	5	20	3	2	5	25	Oct.
	PF/FW	Management of insect pest in Pulses.	1	15	5	20	3	2	5	25	Nov.
	PF/FW	Insect pest management in cole crops	1	15	5	20	3	2	5	25	Dec.
Fisheries											
	PF/FW										
Soil Health											
	PF/FW										

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW										
Horticulture											
	PF/FW	Scientific cultivation of Spices crop	1	20	5	25	3	2	5	30	Jan.
	PF/FW	Vegetable crop management in summer season	1	20	5	25	3	2	5	30	April
	PF/FW	Orchard management of fruit crop	1	20	5	25	3	2	5	30	June
	PF/FW	Cultivation practices for Rabi season's vegetable	1	20	5	25	3	2	5	30	Oct.
Live Stock Production.											
	PF/FW										
Agril. Engg.											
	PF/FW										
Home Sc.											
	PF/FW	Mushroom production and their product	1	20	5	25	3	2	5	30	Feb.
	PF/FW	Nutrition requirement for pregnant and lactating women	1	20	5	25	3	2	5	30	April
	PF/FW	House hold food security by kitchen gardening	1	20	5	25	3	2	5	30	April
	PF/FW	Development of kitchen garden for Kharif season for food security	1	20	5	25	3	2	5	30	May
	PF/FW	Preparation of supplementary food for 6-24 months old children through wheat and ragi	1	20	5	25	3	2	5	30	May
	PF/FW	House hold food security by kitchen gardening.	1	20	5	25	3	2	5	30	July
	PF/FW	House hold food security by kitchen gardening	1	20	5	25	3	2	5	30	Sep.
	PF/FW	Low-cost nutrient recipes for pre-school children.	1	20	5	25	3	2	5	30	Oct.
	PF/FW	Minimization of nutrient loss in processing.	1	20	5	25	3	2	5	30	Oct.
	PF/FW	Requirement of nutrients for pre-school children	1	20	5	25	3	2	5	30	Dec.
Plant Protection											
	PF/FW	Insect disease management in rapeseed and mustard	1	20	5	25	3	2	5	30	Feb.
	PF/FW	Integrated disease & Pest management of Mango.	1	20	5	25	3	2	5	30	Mar.
	PF/FW	Insect pest management in summer crops	1	20	5	25	3	2	5	30	Mar.
	PF/FW	IPM in Green gram	1	20	5	25	3	2	5	30	April
	PF/FW	Integrated Pest Management in summer cucurbitaceous vegetables	1	20	5	25	3	2	5	30	May
	PF/FW	Integrated Pest Management in Rice	1	20	5	25	3	2	5	30	July

	PF/FW	Integrated Pest and Disease Management in Orchard	1	20	5	25	3	2	5	30	Aug.
	PF/FW	Management of important insect pest in Brinjal.	1	20	5	25	3	2	5	30	Aug.
	PF/FW	Integrated Disease Management in Pulses.	1	20	5	25	3	2	5	30	Nov.
	PF/FW	Aphid control in Mustard	1	20	5	25	3	2	5	30	Dec.
Fisheries											
	PF/FW										
Soil health											
	PF/FW										

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			SC/ST participants			G.Total	Month of training
				M	F	T	M	F	T		
Value Addition	Value addition	Preparation of Aamla murabba, Amla pickles, red chilli pickles & Lemon pickles	5	-	20	20	-	5	5	25	Jan.
Beekeeping	Bee-keeping	Bee-keeping for income generation	5	-	20	20	-	5	5	25	Feb.
Cloth Painting	Rural craft	Women empowerment through cloth painting	5	-	20	20	-	5	5	25	Mar.
Fruit crops	Planting material production	Techniques of propagation of fruit crops.	5	15	5	20	3	2	5	25	May
Beekeeping	Bee-keeping	Bee-keeping for income generation	5	15	5	20	3	2	5	25	June
Mango	Value addition	Preparation of different type recipe from ripe and raw mango.	5	-	20	20	-	5	5	25	June
Orchard	Training and pruning of orchards	Techniques and importance of high-density plantation.	5	15	5	20	3	2	5	25	Aug.
Mushroom	Mushroom Production	Button Mushroom Production technique	5	5	15	20	2	3	5	25	Sep.
Mushroom	Mushroom Production	Mushroom Production technique	5	15	5	20	3	2	5	25	Nov.
Protective cultivation	Protected cultivation of vegetable crops	Protected cultivation of horticultural crops	5	15	5	20	3	2	5	25	Dec.

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
On Campus											
	Women and child care	Preparation of multi grain aata and dalia for 2 to 4 years children	2	-	20	20	-	5	5	25	Feb.
	Protected cultivation technology	Scope and constraints of Protected cultivation of horticultural crops	2	15	5	20	3	2	5	25	Mar.
	IPM	Integrated pest and disease Management in summer crops	1	15	5	20	3	2	5	25	May
	Rejuvenation of old orchards	Technique and management of Senile orchard	2	15	5	20	3	2	5	25	June
	IPM	Integrated pest and disease Management in Kharif crops	2	15	5	20	3	2	5	25	Sept.
	Women and child care	Food preparation from locally available material for infant and pregnant lady	2	-	20	20	-	5	5	25	Sept.
	IPM	Integrated pest and disease Management in Rabi crops	1	15	5	20	3	2	5	25	Dec.

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											
	BSDM-RPL	RY	Vermicompost Producer	01	15	7	22	5	3	8	30
	BSDM-RPL	RY	Beekeeper	01	15	7	22	5	3	8	30
	BSDM-RPL	RY	Tropical/Sub-tropical Fruit Grower	01	15	7	22	5	3	8	30
			Total	**03**	**45**	**21**	**66**	**15**	**09**	**24**	**90**
b) Sponsored research programme											

			Total								
c) Any special programmes											
			Total								

Signature of Senior Scientist & Head