

ACTION PLAN PROFORMA FOR THE KVKs.

(1st January 2026 to 31 December, 2026)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and Address of KVK	Telephone		E mail	Website
Krishi Vigyan Kendra, Latehar, Block- Balumath, Dist- Latehar 829202, Jharkhand	Office	FAX	kvk_latehar@rediffmail.com	https://latehar.kvk4.in
	7903285461	-		

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

Address	Telephone		E mail	Website
	Office	FAX		
Birsa Agricultural University, Ranchi -6, Jharkhand	06568267149	-	deebauranchi@gmail.com	https://www.bauranchi.org

1.2.b. Status of KVK website : Yes/No; Date when the website last updated:

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

1.2.d Status of ICT lab at your KVK :

- a) No. of PC units : 5
- b) No. of Printers : 4
- c) Internet connection : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Rajeev Kumar	-	7903285461	rajeev_kumar1969@rediffmail.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 1st January, 2026)

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	I/C Sr. Scientist & Head	Dr. Rajeev Kumar	Sr. Scientist & Head	Agril. Engg.	79800-211500	8000	127900	21.07.2004	Permanent	Gen	7903285461	rajeev_kumar1969@rediffmail.com	
2	Scientist	Dr. Arti. Beena Ekka	Scientist	Horticulture	79800-211500	8000	127900	19.07.2004	Permanent	ST	9709010792	Abeera2010@gmail.com	
3	Scientist	Dr. Binod Kumar	Scientist	Soil Science	79800-211500	8000	124200	20.07.2004	Permanent	Gen	9905554995	binodpaku_r@gmail.com	
4	Scientist	Sri Gopal Krishna	Scientist	Plant Protection	79800-211500	8000	117100	21.07.2004	Permanent	Gen	7004388126	kvkbenajamtara@gmail.com	
5	Programme Assistant	Mr. Siddharth	Assistant	-	35400-78800	4200	35400	04.02.2025	Permanent	Gen	9931556994	Siddharthsinha006@gmail.com	
6	Driver	Sri Ashok Kumar	Tractor Driver	-	9000/- (Fixed)	-	-	02.02.2009	Contractual	OBC	9835259601	Ashok25061979@gmail.com	
7	Supporting staff	Sri Muni Singh	Supporting Staff	-	Rs. 7000/- (fixed)	-	-	01/04/2008	Contractual	Gen	6202456652	Singhmunij905@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.82
2.	Under Demonstration Units	0.18
3.	Under Crops	4.0
4.	Horticulture	0.5
5.	Pond	0.5
6.	Others if any	4.0

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Complete			Incomplete		
				Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	2007	550	-			
2.	Farmers Hostel	ICAR	-	2007	350	-			
3.	Staff Quarters (6)	ICAR	-	2007	400	-			
4.	Demonstration Units (2)	ICAR	-	2007	160.47	-			
5.	Fencing	-	-	-	-	-			
6.	Rain Water harvesting system	ICAR	-	2010	2500	-			
7.	Threshing floor	ICAR	-	2010	929	-			
8.	Farm godown	-	-	-	-	-			
	Other	ICAR	-	2010	100	-			
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	2008	ICAR	-	212190	Condemned
Tractor	2008	ICAR	-	1410.0	Non Functional
Bolero	2026	ICAR	-	-	-

C) Equipment's& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	2010	-	Functional
LCD Projector	2013	-	Functional
LED	2022	-	Functional

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

Sl.No.	Date
1. Scientific Advisory Committee	09.05.2025

Suggestions of SAC meeting

- 1- Exposure visit should be organised of FPO in Deptt of Community Science, BAU, Kanke, Ranchi
- 2- Training Programme should be organised in Mahuadar and Garu Block.
- 3- Demonstration of Apple Ber and Tiwan Guava should be done in KVK farm.
- 4- Training programme should be organized on off season Potato cultivation in Mahuadar Block.
- 5- Neem and Sindwar leaf should be added in OFT as one of the technical option of Post Harvest maize grains.
- 6- For the improvement of Infrastructure (Main building & Training Hostels) approach should be made to DC, Latehar
- 7- Coordination should be made to NABARD.
- 8- Low cost Technology should be promoted for poor and marginal farmers in Latehar district.
- 9- KVK farm should be utilised maximum for the quality seed production for the benefit of farmers

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Name)	Crop +(Rice, Maize, Wheat, Pulses, Mustard, Vegetable) +Goatry+Poultry	Sandy loam, Red laterite soil.
2	AES 2 (Name)	Crop+(Rice Maize, Pulses, Rainy season potato) + Goatry + Dairy	course texture red laterite
3	AES 3 (Name)	Crop+(Rice, Maize, Wheat, Vegetable)+Goatry + Fisheries	sandy loam laterite soil
4	AES 3 (Name)	Crop+ (Rice, Maize, Oilseed, Vegetable+ Tomato)+Goatry+ Dairy	sandy loam laterite soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Name)	Undulated	well-drained
2.	AES-2 (Name)	Undulated	well-drained
3.	AES-3 (Name)	Undulated	well-drained
4.	AES-3 (Name)	Undulated	well-drained

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)	1. Low productivity 2. Low rainfall 3. Less availability of improved seeds 4. Lack of marketing	I II III IV
2.	AES-2 (Name)	1. Low Productivity 2. Low availability of improved seeds 3. Lack of Marketing of vegetable crop	I II III
3.	AES-3 (Name)	1. Low Productivity 2. Low availability of improved seeds 3. Lack of Marketing of vegetable crop 4. Poor quality of livestock	I II III IV
4.	AES-3 (Name)	1. Low Productivity 2. Wilt disease of Tomato. 3. Low availability of improved seeds 4. Lack of Marketing of vegetable crop 5. Poor quality of livestock	I II III IV V

2.2. Area, Production and Productivity of major crops cultivated in the district (2025)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
Kharif						
1	Paddy	28667	83134.3	29.00	2.6	16
2	Maize	19099	105044.5	55.00	-	45

3	Jowar	110	37.62	3.42	-	6.58
4	Ragi (Madua)	220	250.8	11.40	0.2	9.60
5	Tur (Arhar)	24549	37609.068	15.32	-	4.68
6	Urad	5190	3705.66	7.14	-	4.86
7	Moong	1241	1012.656	8.16	-	3.86
8	Groundnut	1635	1409.37	8.62	-	11.38
9	Sesamum (Til)	621	137.241	2.21	-	5.79
Rabi						
1	Rapeseed & Mustard	16064	14104.19	8.78	0.8	11.22
2	Linseed	3155	1678.46	5.32	-	4.68
3	Wheat	8497	11487.94	13.52	12.68	26.48
4	Lentil	2915	1646.975	5.65	-	4.35
5	Kulthi	778	567.94	7.3	-	4.7
6	Gram	1205	777.225	6.45	3.89	8.55
7	Pea	2442	1186.812	4.86	-	15.14

Source: District agriculture department.

2.3. Weather data (2025-26)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2024	January	0.0	27	7	97	52
	February	30.2	33	9	96	29
	March	14.5	39	14	96	28
	April	1.2	43	21	88	16
	May	25.6	47	22	76	13
	June	57.5	46	26	95	18
	July	293.1	37	25	98	51
	August	507.3	34	25	100	66
	September	407.7	34	24	98	57
	October	34.5	35	22	98	41
	November	00	33	13	97	31
	December	4.7	30	8	94	29
2025	January	0.0				
	February	0.0				
	March	22.7				
	April	33.6				
	May	63.9				
	June	502.9				
	July	554.2				
	August	260.7				
	September	166.3				
	October	80.3				
	November	3.7				
	December	0.0				
Total						

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2025)

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	38474			
Sheep	98			
Goats	274199			
Cattle	345511			
<i>Crossbred</i>				
<i>Indigenous</i>	345511			
Pigs				
Poultry unit	35			
Hens				

<i>Desi</i>				
Category		Production (q)	Productivity	
Fish (Reservoir)	62	10000	-	

*Statcal report

2.5 Details of Operational area / Villages

Talu ka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
		Dhadhu and Kharatia	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production & Crop production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Rice seed production village and Vegetable production.
		Tasu, Arahara	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Rice seed production village.
		Matkoma	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Seed production village.
		Paisra	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Seed production village.
		Pakri	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Pulse Seed production village.
		Pakrar	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Pulse Seed production village.
		Masiyatu	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Kita	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Banhardi	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Renchi	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.

		Surli	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Bari	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Kalkaliya	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Jagaldaga	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Patratu	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Lanka	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Matlong	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Vishunbandh	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Mayapur	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.
		Komar	Major Crops- Rice, Maize, Arhar, Wheat and Tomato. Enterprises- Seed production	-	Lack of irrigation facility and poor fertility of soil.	Water Management measures, Paddy Seed production village.

2.6 Top five major priority thrust areas:

- i) Improvement of soil and water conservation practices
- ii) Management of irrigation water
- iii) Management of problematic soils
- iv) Improvement in crop productivity
- v) Improvement in yield of mono crop rice/paddy

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
07	70	45	07	225

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
74	1945	50	1830

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
185	40000	0	100

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	Black Gram	Low Yield of Black Gram	Assessment of land configuration and rainwater management on yield and economics of Black Gram					
2	Water Management	Tomato	Low Yield of Tomato	Assessment of Drip Irrigation system in Tomato Cultivation					

3	IDM	Tomato	Sudden Wilt and Crop failure during flowering & Fruiting stage leads up to 50 % Yield losses.	Assessment of Management Strategies against Bacterial Wilt (<i>Ralstonia solanacearum</i>) in Tomato					
4	IPM	Maize	Severe infestation of fall armyworm in maize leading to significant crop damage and yield loss.	Assessment of Pest Management modules for the management of Fall Armyworm in Maize.					
5	Nutrient management	Potato	Low productivity of Potato.	Assessment of potassium application in boosting Potato productivity.					
6	Crop production	Onion	Severe yield loss (up to 40%) due to premature bolting.	Assessment of suitable transplanting dates for maximizing onion yield in Latehar district					
7	Disease management	Bottle Gourd	Severe yield losses (up to 20-40%) in bottle gourds due to wilting during Kharif season.	Assessment of management strategies for Fusarium wilt (<i>Fusarium oxysporum</i>) in Bottle Gourd.					
8	Crop production	Finger Millets	Low yield of finger millet		Demonstration on Finger millet under rainfed up land farming situation.				

9	Crop production	Wheat	Low yield of wheat		Demonstration of late sown variety of Wheat (BG-4) in medium land situation.				
10	Nutrient Management	Black Gram	Low yield of Black Gram		Demonstration on Seed Treatment with Rhizobium culture in Black Gram				
11	Management of problematic soil	Mustard	Low availability of phosphorus in Mustard		Demonstration on Lime application to enhance phosphorus availability in Mustard				
12	Integrated Pest Management	Tomato	High incidence of tomato fruit borer leading to significant quantitative and qualitative yield losses.		Demonstration on <i>Bacillus thuringiensis</i> application for the management of tomato fruit borer				
13	Disease management	Brinjal	Severe incidence of wilt disease in brinjal leading to higher plant mortality & yield loss.		Demonstration on Trichoderma application for the management of wilt disease in Brinjal crop.				
14	Animal Husbandry-Poultry	Chicks	Low egg production potential of desi breed.		Demonstration on improved Chicks Breed (Jharsim)				
15	Resource conservation					Importance of summer ploughing for crop production			
16	Repair and maintenance of farm machinery and implements					Proper use and maintenance of spraying equipment			
17	Repair and maintenance of farm machinery and implements					Use and importance of water saving devices in vegetable			

18	Repair and maintenance of farm machinery and implements					Use and importance of different tillage implements			
19	Resource conservation					Rain water harvesting technique			
20	soil water conservation					Different technique for soil water conservation			
21	Location specific drudgery reduction technologies					Women friendly drudgery reducing implements			
22	Water management					Irrigation management in wheat			
23	Post Harvest Technology					Grain storage method on house hold level			
24	Use of Plastic in Farming practices					Importance and use of sprinkler and drip Irrigation system			
25	Repair and maintenance of farm machinery and implements					Repair and maintenance of different agricultural implements			
26	Use of plastic farming practices					Care and Maintenance of drip irrigation system			
27	Water management						Increase water use efficiency in field crops		
28	Use of plastic farming practices						Water management through sprinkler and drip irrigation system		
29	soil and water conservation						Different technique and importance of soil and water conservation		
30	Organic Farming					Organic Farming for sustainable Horticulture crop production			
31	Crop diversification					Improved Cultivation practices for turmeric & Ginger			
32	Crop diversification					Improved method of cultivation of Kharif onion & Potato			

33	Off season cultivation					Off season cultivation of cucurbitaceous crop			
34	IPM					Integrated Pest management in vegetable crops			
35	IPM					IPM in Fruit crops			
36	Capacity building					Strengthening of SHGs through different Hort. Activities			
37	Fruit crop production					Layout & cultivation techniques of mango & guava			
38	Vegetable production					Improved cultivation techniques of Kharif vegetables			
39	Vegetable production					Improved cultivation techniques for Rabi vegetables			
40	Hi – Tech Horticulture					Green house & low cost cultivation techniques for Horticultural crops			
41	Hi – Tech Horticulture					Growing of vegetables under polythene & net house			
42	Hi – Tech Horticulture					Hi-tech nursery management techniques			
43	Propagation technology					Plant propagation techniques for guava crop			
44	Organic farming					Package & practices of organic vegetable crop production			
45	Fruit production					Cultivation techniques of strawberry crops			
46	Vegetables production					Package & practices for broccoli crop			
47	Farming System					Integrated farming system			

48	INM					Integrated Nutrient management in Horticulture crops			
49	Fruit production						Rejuvenation of Mango orchard		
50	Vegetable production						Cultivation of vegetables on by using drip & mulching techniques		
51	Hi – Tech Horticulture						Green house cultivation techniques for Tomato crops		
52	Vegetable production						Growing of high value crops for doubling farming income		
53	Farming System						Pond based farming system modal for doubling farmers income		
54	Integrated Nutrient Management					Integrated Nutrient Management for <i>Kharif</i> Cereals			
55	Integrated Nutrient Management					Integrated Nutrient Management for <i>Kharif</i> Oilseed			
56	Micro nutrient deficiency in crops					Symptoms and remedies of deficiencies of Micro Nutrients in vegetables			
57	Soil and Water Testing					Soil Testing- Why, Where, When and How			
58	Soil fertility management					Management of soil fertility by adopting integrated approach in <i>Kharif</i> crop			
59	Vermi-compost production					Vermi-compost production			

60	Fertilizer Management.					Fertilizer management in paddy			
61	Fertilizer Management.					Fertilizer management in Maize			
62	Organic Fertilizer Production					Production and use of BGA			
63	Soil Amendment					Lime application in acidic soil			
64	Soil fertility management					Management of soil fertility by adopting integrated approach in <i>Kharif</i> pulse.			
65	Integrated Nutrient Management					INM in <i>Kharif</i> oilseed crop			
66	Integrated Nutrient Management					INM in wheat			
67	INM					INM in Rabi pulse crop			
68	Production and use of organic inputs					Production and use of vermicompost			
69	Soil Management					Management of acidic soil			
70	Bio-fertilizer production					Production and use of bio-fertilizer			
71	Organic manures production					Production & use of NADEP compost			
72	Production of organic inputs					Production of organic inputs			
73	Vermi- culture					Production and use of Vermi-culture			
74	INM						INM in Oilseed crops in Rabi Season		
75	Integrated Nutrient management						Integrated Nutrient management in <i>kharif</i> pulse crop		

76	IPM					Major insect pest of cucurbits & their management			
77	IPM					Soil Solarization technique for vegetable seedling raising			
78	IPM					Major insect pest of paddy & their management			
79	IPM					Major insect pest of Maize & their management			
80	IPM					Major insect pest & diseases of Brinjal crop & its integrated management technique			
81	IPM					Integrated Insect pest & disease management in Tomato crop			
82	IPM					Insect pest & disease management in Potato crop			
83	IPM					Major insect pest & disease management in Mustard & Wheat crop			
84	IPM					Insect Pest management in Mango crop			
85									
86								Kisan Mela	
87								Kishan Ghosthi	
88								Exhibition	
89								Ex-trainees sammelan	
90								Special day celebration	
91								Animal health camp	
92								Soil test camp	
93								Soil health camp	

94								SHG conveners meeting	
95								Farmer Scientist interaction	
96								Scientist visit to farmers field	
97								Field day	

3.1 Technologies to be assessed

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

Thematic areas	Cereals	Oilseed s	Pulses	Commereia l Crops	Vegetables	Fruits	Flower	Plantatio n crops	Tuber Crop s	TOTAL
Varietal Evaluation										0
Seed / Plant production										0
Weed Management										0
Integrated Crop Management			1							1
Integrated Nutrient Management									1	1
Integrated Farming System										0
Mushroom cultivation										0
Drudgery reduction										0
Farm machineries										0
Value addition										0
Integrated Pest Management	1									1
Integrated Disease Management					2					2
Resource conservation technology					2					2
Small Scale income generating enterprises										0
TOTAL	1		1		4				1	7

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

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

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

1. OFT (Agril. Engg.)

Crop	Black Gram
Season	Kharif
Main problem	Low Yield of Black Gram
Main cause	Water logging situation after heavy rainfall and moisture scarcity after 10 days drought spell
Title of OFT	Assessment of land configuration and rainwater management on yield and economics of Black Gram

Farming situation	Soil type – Sandy loam, land type – Upland, irrigation type – irrigated, Season – Kharif, and previous crop - Vegetable
Thematic area	Water Management
Farmer practice	FP- Flat Bed Method with no irrigation
Technology option selected for assessment	T1- Broad Bed and Furrows (BBF) (90cm x 45 cm) + 2 irrigation of 3cm (when there is 10 days drought spell) T2- Ridge and Furrow (RF) (30 cm x 30 cm) + 2 irrigation of 3 cm (when there is 10 days drought spell)
Source of technology	BAU, Ranchi
No of trial	10 (Total area 1.0 ha)
Detail of critical input	Seed (WBU-109)
Cost of individual critical input	250
Total cost of critical input	2500
Performance indicator to be recorded	(i) Technical indicator :- Duty, Delta, Base Period, Crop Water Use Efficiency, Yield (ii) Economic indicator :- Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception

2. OFT (Agril. Engg.)

Crop	Tomato
Season	Rabi
Main problem	Low Yield of Tomato
Main cause	Low Irrigation Water Availability
Title of OFT	Assessment of Drip Irrigation system in Tomato Cultivation
Farming situation	Soil type – Sandy loam, land type – Upland , irrigation type – Drip, Season – Rabi, and previous crop - Blackgram
Thematic area	Water Management
Farmer practice	FP- Furrow Irrigation
Technology option selected for assessment	T1 - Single Row Crop with Single Lateral Line + Plastic Mulch T2 - Double Row Crop with Single Lateral Line + Plastic Mulch
Source of technology	IARI New Delhi
No of trial	10 (Total area 0.4 ha)
Detail of critical input	Nil
Cost of individual critical input	Nil
Total cost of critical input	Nil
Performance indicator to be recorded	(i) Technical indicator :- Duty, Delta, Base Period, Crop Water Use Efficiency, Yield (ii) Economic indicator :- Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception

3. OFT (Horticulture)

Crop	Onion
Season	Rabi
Main problem	Severe yield loss (up to 40%) due to premature bolting.
Main cause	Time of sowing/ transplants of onion are not properly schedule/without considering climatic variability.

Title of OFT	Assessment of suitable transplanting dates for maximizing onion yield in Latehar district.
Farming situation	Sandy loam, Mediumland, irrigated condition
Thematic area	Crop production
Farmer practice	Farmers generally transplant their onion seedlings after 10 January.
Technology option selected for assessment	To1- Transplanting of onion on 01 st of November To2- Transplanting on 15 th of November (Recommended). To3- Transplanting on 30 th of November
Source of technology	Department of Horticulture, BAU, Ranchi.
No of trial	10
Detail of critical input	Onion Seeds
Cost of individual critical input	Rs. 550/-
Total cost of critical input	Rs. 5500/-
Performance indicator to be recorded	(i) Technical indicator – Bolting %, bulb size, bulb weight (g) yield q/ha (ii) Economic indicator- cost of cultivation, Gross income, Net income and B:C ratio. (iii) Farmer perception

4. OFT (Horticulture)

Crop	Bottle gourd
Season	Kharif
Main problem	Severe yield losses (up to 20-40%) in bottle gourds due to wilting during Kharif season.
Main cause	Rotting of main stem and wilting of plants resulted in low yield of Bottle Gourd
Title of OFT	Assessment of management strategies for Fusarium wilt (<i>Fusarium oxysporum</i>) in Bottle Gourd.
Farming situation	Sandy loam, Upland , Rainfed situation
Thematic area	Disease management
Farmer practice	No specific treatment.
Technology option selected for assessment	T1:- Seed treatment with <i>Trichoderma harzianum</i> @ 5.0g/kg seeds + soil application with <i>Trichoderma harzianum</i> @ 5.0kg/ha T2:- Seed treatment with Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.5g/kg seed + soil drenching with tebuconazole 50% + Trifloxystrobin 25% WG@ 0.5g/ of water.
Source of technology	ICAR Research complex for Eastern Region Research Center, Plandu
No of trial	10
Detail of critical input	<i>Trichoderma harzianum</i> , Tebuconazole & Trifloxystrobin
Cost of individual critical input	Rs. 800/-
Total cost of critical input	Rs.8000 /ha
Performance indicator to be recorded	(i) Technical indicator: Germination %, Vine length (m), No. of branches no.s, Fruit yield /Plant (kg), Number of fruit per plants (kg) ,Total yield (q/ha), Diseases, Wilt incidence (%), Wilt severity index (ii) Economic indicator: (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

5. OFT (Soil Science)

Crop	Potato
Season	Rabi
Main problem	Low productivity of Potato.
Main cause	Low yield of Potato due to Imbalance use of Potassium
Title of OFT	Assessment of potassium application in boosting Potato productivity.
Farming situation	Irrigated Medium land
Thematic area	Nutrient management
Farmer practice	FP:- NPK @ 150:90:60 Kg /ha
Technology option selected for assessment	To1:- NPK @ 150 :90: 90 Kg /ha To2:- NPK @ 150:90:120 Kg /ha
Source of technology	BAU, Ranchi
No of trial	10
Detail of critical input	Potato
Cost of individual critical input	Rs. 1000/-
Total cost of critical input	Rs. 10000/-
Performance indicator to be recorded	(i) Technical indicator:- pH, Organic Carbon, NPK (Pre & post harvest) , yield q/ha (ii) Economic indicator: - cost of cultivation, Gross income, Net income and B: C ratio. (iii) Farmer perception:-

6. OFT (Plant Protection)

Crop	Tomato
Season	Kharif (Late)
Main problem	Sudden Wilt and Crop failure during flowering & Fruiting stage leads up to 50 % Yield losses.
Main cause	Infection of <i>Ralstonia solanacearum</i>
Title of OFT	Assessment of Management Strategies against Bacterial Wilt (<i>Ralstonia solanacearum</i>) in Tomato
Farming situation	Upland, Acidic soil & Irrigated condition
Thematic area	IDM
Farmer practice	Foliar spray of Carbendazim -12% +Mancozeb 63% @3 gram per litre of water
Technology option selected for assessment	TO-1: Soil Application of Stable Bleaching Powder @ 15 kg/ha.at 15 days before transplanting + Soil application of Hydrated lime (dose as per soil test report) during last ploughing & Two times drenching of root soil with 0.3% solution of Kasugamycin -5% & Copper Oxychloride- 45% at 20& 30 days after transplanting. TO-2: Soil application of Hydrated lime (dose as per soil test report) during last ploughing & Two times drenching of root soil with 0.3% solution of Kasugamycin -5% & Copper Oxychloride- 45% at 20 & 30 days after transplanting.
Source of technology	Birsa Agricultural University, Ranchi & Kerala Agricultural University (KAU)
No of trial	10
Detail of critical input	Stable Bleaching Powder ; Hydrated lime ; Copper Oxychloride
Cost of individual critical input	Stable Bleaching Powder : RS. 1038 Hydrated lime : Rs. 810 Copper Oxychloride : Rs. 1500
Total cost of critical input	Rs. 4000.00 (Approx.)

Performance indicator to be recorded	(i) Technical indicator :- Days to First Symptoms; Disease Intensity (%) at 30, 60 & 90 days after transplanting, Yield (ii) Economic indicator :- Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception
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7. OFT (Plant Protection)

Crop	Maize
Season	Kharif
Main problem	Severe infestation of fall armyworm in maize leading to significant crop damage and yield loss.
Main cause	Continuous availability of host crops (maize followed by tomato)
Title of OFT	Assessment of Pest Management modules for the management of Fall Armyworm in Maize.
Farming situation	Rainfed , following maize–mustard/tomato cropping sequence and limited adoption of scientific pest management practices.
Thematic area	IPM
Farmer practice	Cypermethrin 3% & Quinalphos 20% EC @ 2.5 ml /l water
Technology option selected for assessment	TO-1:First spray at 15 DAE: <i>Bacillus thuringiensis</i> @ 2g/l water Second spray at 30 DAE: Spinetoram 11.7% SC @ 0.5 ml/Litre water Third spray at 45 DAE : Chlorantraniliprole 18.5sc@ 0.4 ml/l water TO-2:First spray at 15 DAE: <i>Beauveria bassiana</i> (1×10^8 CFU/g @ 5 g / litre water Second spray at 30 DAE: <i>Bacillus thuringiensis</i> @ 2g/l water Third spray at 45 DAE : Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC @) 0.2 ml/l water
Source of technology	IIMR, Ludhiana, Punjab
No of trial	10
Detail of critical input	B.t.k; Neem based formulation of 1500ppm; Spinetoram, Chlorantraniliprole; and Thiamethoxam + Lambda cyhalothrin
Cost of individual critical input	B.t.k : Rs. 7500.00 <i>Beauveria bassiana</i> Rs. 3500.00 Spinetoram, Chlorantraniliprole: Rs. 2200.00 Thiamethoxam + Lambda cyhalothrin : Rs. 300.00
Total cost of critical input	Rs. 13500.00 (Approx)
Performance indicator to be recorded	(i) Technical indicator :Number of larvae per plant at 14 Days after each spray, Cob damage (%), Yield (ii) Economic indicator :Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception

Note: Each OFT detail should be given in the format

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 farmer s/ demon	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Finger Millets	Crop production	Time of nursery bed raising Mid June + Seed rate @6/ha ; Seed treatment : carbendazim @ 2gm/kg of seed ;Spacing : row to row 30cm and plant to plant 10cm ; Transplanting of 4-week-old seedling ;Variety Birsa Madua-3; Fertilizer : 50:40:25 kg (NPK)/ha ; Manual Weeding : 1 st at 20-25		Kharif 2026-27	5	25	(I) Technical indicator-No of effective tiller/sq.m,Yield q/ha (II) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio,

			days & 2 nd 35-40 days after transplanting.					(III)	Farmer Feedback
2	Wheat	Crop production	Sowing Time- 1 Dec to 15 Dec, Seed treatment with carbendazim 50% 2 gm/kg Seed, Seed rate-125 kg /ha, Spacing 25cm, Fertilizer application -120:60:40:20Kg NPK/ha+ Variety (BG-4)		Rabi 2026-27	10	50	(i)	Technical indicator : Yield (Q/ha)
								(ii)	Economic indicator: B:C ratio.
								(iii)	Farmer perception
3	Black Gram	Nutrient Management	Variety(WBU-109) + Seed treatment with Rhizobium + NPK 25:50:25		Kharif 2026-27	10	25	(I)	Technical indicator- yield/ha
								(II)	Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio.
								(III)	Farmer Feedback-
4	Mustard	Management of problematic soil	Variety (BBM-1)+ Application of lime @3q/ha. + NPKS 80:60:40:20		Rabi 2026-27	10	25	(I)	Technical indicator- yield/ha
								(II)	Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio.
								(III)	Farmer Feedback-
5	Tomato	IPM	1 st spray of Neem oil (1500 ppm) @ 5 ml /litre of water at 20 & 35 days after transplanting 2 nd spray of <i>Chlorantraniliprole</i> 18.5 sc @ 0.4 ml /litre of water at 50 days after transplanting 3 rd spray of <i>Bacillus thuringiensis</i> @ 2g/litre of water at 65 days after transplanting.		Rabi 2026-27	5	50	(I)	Technical indicator- Larval population of <i>Helicoverpa armigera</i> 7 days after each spray, Yield
								(II)	Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio.
								(III)	Farmer Feedback-
6	Brinjal	Disease management	Soil application of <i>Trichoderma harzianum</i> / <i>Trichoderma viride</i> in root zone @ 10kg Trichoderma : 250 kg Compost /ha.		Summer 2026-27	5	50	(I)	Technical indicator- Days to first wilt, Plant mortality percent at 65 days after transplanting, Yield
								(II)	Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio.
								(III)	Farmer Feedback-
7	Chicks	Animal Husbandry -Poultry	Jharsim 4 weeks old.		2026-27	10 Birds/Demo	100	Number of eggs/laying, Income generation Per demonstration per year B:C Ratio	
Total							325		

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training	7	June & October	175
2	Field days	7	October, November, February, March	280
3	Media coverage	7	-	-
4	Training for extension functionaries	-	-	-

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
Poultry	Jharsim	100	1000	Chicks	Number of eggs/laying, Income generation Rs. Per demonstration per year B:C Ratio

Details of all FLD in the given format**1. Finger Millets**

Title of FLD	Demonstration on Finger millet under rain fed up land farming situation.		
Season & Year	Kharif, 2026		
Main Problem	Low yield of finger millet		
Main cause of problem	Low yield of finger millet due to old variety & poor agronomical practices and fertility management.		
Full detail of farmer's Practice	Old varieties, Seed rate(8kg/ha), improper spacing, 20: 46:0 N:P:K,kg /ha		
Name of the Technology	Variety and agronomical practices		
Full detail of technology to be demonstrated	Time of nursery bed raising Mid June + Seed rate @6/ha ; Seed treatment : carbendazim @ 2gm/kg of seed ;Spacing : row to row 30cm and plant to plant 10cm ; Transplanting of 4-week-old seedling ; Variety Birsa Madua-3; Fertilizer : 50:40:25 kg (NPK)/ha ; Manual Weeding : 1 st at 20-25 days & 2 nd 35-40 days after transplanting.		
Thematic area	BAU, Ranchi		
Source of Technology with year	Crop production		
Name of villages	Kita, Patraru&Jaryang		
Farming situation	Sandy loam Soil , Rainfed, upland situation		
Area (ha)/Unit (No.)	5 ha	No of farmers	25
Performance indicator	(I) Technical indicator-No of effective tiller/sq.m,Yield q/ha (II) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio, (III) Farmer Feedback		

2. Wheat

Title of FLD	Demonstration of late sown variety of Wheat (BG-4) in medium land situation.		
Season & Year	Rabi 2026-27		
Main Problem	Low yield of wheat		
Main cause of problem	Low yield due to late sown.		
Full detail of farmer's Practice	Seed (Sonalika) + NPK: 80:40:0		
Name of the Technology	Seed (Variety BG-4) @ 125kg/ha + Seed treatment with carbendazim @2gm/kg + NPK 120:60:40		
Full detail of technology to be demonstrated	Sowing Time- 1 Dec to 15 Dec, Seed treatment with carbendazim 50% 2 gm/kg Seed, Seed rate-125 kg /ha, Spacing 25cm, Fertilizer application - 120:60:40:20Kg NPK/ha+ Variety (BG-4)		
Thematic area	Crop production		
Source of Technology with year	BAU, Ranchi (2021)		
Name of villages	Patratu, Kita		
Farming situation	Medium land, irrigated condition		
Area (ha)/Unit (No.)	0.2 ha/Demo. (10ha)	No of farmers	50
Performance indicator	(i) Technical indicator : Yield (Q/ha) (ii) Economic indicator: B:C ratio. (iii) Farmer perception		

3. Balck Gram

Title of FLD	Demonstration on Seed Treatment with Rhizobium culture in Black Gram		
Season & Year	2026 (Kharif)		
Main Problem	Low yield of Black Gram		
Main cause of problem	Use of Local variety of Black Gram without seed treatment		
Full detail of farmer's Practice	Local variety of Black Gram + NPK 30:20:0		
Name of the Technology	Seed treatment with Rhizobium culture @ 2.5 gm /kg of seed		
Full detail of technology to be demonstrated	Variety(WBU-109) + Seed treatment with Rhizobium + NPK 25:50:25		
Thematic area	Nutrient Management		
Source of Technology with year	BAU, Ranchi		
Name of villages	Pakrar, Jaryang		
Farming situation	Upland, rainfed, sandy loam		
Area (ha)/Unit (No.)	10.0 ha	No of farmers	25
Performance indicator	(I) Technical indicator- yield/ha (II) Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio. (III) Farmer Feedback-		

4. Mustard

Title of FLD	Demonstration on Lime application to enhance phosphorus availability in Mustard		
Season & Year	2026 (Rabi)		
Main Problem	Low availability of phosphorus in Mustard		
Main cause of problem	Acidic soil		
Full detail of farmer's Practice	Variety Pusa -26 + NPK 70:30:10		
Name of the Technology	Lime application in acidic soil		
Full detail of technology to be demonstrated	Variety (BBM-1)+ Application of lime @3q/ha. + NPKS 80:60:40:20		
Thematic area	Management of problematic soil		
Source of Technology with year	BAU, Ranchi		
Name of villages	Komar, Kalkaliya		
Farming situation	Upland, irrigated, sandy loam		
Area (ha)/Unit (No.)	10.0 ha	No of farmers	25
Performance indicator	(I) Technical indicator- yield/ha (II) Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio. (III) Farmer Feedback-		

5. Tomato

Title of FLD	Demonstration on <i>Bacillus thuringiensis</i> application for the management of tomato fruit borer		
Season & Year	Rabi - 2026		
Main Problem	High incidence of tomato fruit borer leading to significant quantitative and qualitative yield losses.		
Main cause of problem	Lack of adoption of recommended IPM practices for fruit borer management.		
Full detail of farmer's Practice	Spray of Flubendiamide 39.35 % sc @ 1 ml / 6 litre water after 45 days after transplanting at 15 days interval		
Name of the Technology	Integrated Pest Management		
Full detail of technology to be demonstrated	st 1 spary of Neem oil (1500 ppm) @ 5 ml /litre of water at 20 & 35 days after transplating nd 2 spray of <i>Chlorantraniliprole</i> 18.5 sc @ 0.4 ml /litre of water at 50 days after transplanting rd 3 spray of <i>Bacillus thuringiensis</i> @ 2g/litre of water at 65 days after transplanting.		
Thematic area	IPM		
Source of Technology with year	TNAU, Coimbatore, Year-2010		
Name of villages	Komar, Pakrar&Jariyang		
Farming situation	Upland & Irrigated condition		
Area (ha)/Unit (No.)	0.1 ha/Demo (5ha)	No of farmers	50
Performance indicator	(I) Technical indicator- Larval population of <i>Helicoverpa armigera</i> 7 days after each spray, Yield (II) Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio. (III) Farmer Feedback-		

6. Brinjal

Title of FLD	Demonstration on Trichoderma application for the management of wilt disease in Brinjal crop.		
Season & Year	Summer - 2026-27		
Main Problem	Severe incidence of wilt disease in brinjal leading to higher plant mortality & yield loss.		
Main cause of problem	Soil-borne pathogen infestation (Fungal wilt / Bacterial wilt)		
Full detail of farmer's Practice	Foliar spray of SAAF (Carbendazim & Mancozeb) @ 2 gram per litre of water		
Name of the Technology	Soil application Trichoderma spp. in root zone		
Full detail of technology to be demonstrated	Soil application of <i>Trichoderma harzianum</i> / <i>Trichoderma viride</i> in root zone @ 10kg Trichoderma : 250 kg Compost /ha.		
Thematic area	Disease management		
Source of Technology with year	ICAR- IIVR, 2015-16		
Name of villages	Komar, Pakrar&Jariyang		
Farming situation	Upland, irrigated		
Area (ha)/Unit (No.)	0.1/Demo (5 ha)	No of farmers	50
Performance indicator	(I) Technical indicator- Days to first wilt, Plant mortality percent at 65 days after transplanting, Yield (II) Economic indicator – cost of cultivation, Gross return, Net return, B:C ratio. (III) Farmer Feedback-		

7. Chicks

Title of FLD	Demonstration on improved Chicks Breed (Jharsim)		
Season & Year	2026-27		
Main Problem	Low egg production potential of desi breed.		
Main cause of problem	Low egg production due to genetic.		
Full detail of farmer's Practice	Desi Breed		
Name of the Technology	Jharsim		
Full detail of technology to be demonstrated	Jharsim 4 weeks old.		
Thematic area	BAU, Ranchi.		
Source of Technology with year	Animal Husbandry-Poultry		
Name of villages	Komar, Kalkaliya, Pakri		
Farming situation	-		
Area (ha)/Unit (No.)	10 Birds/Demo (1000 Birds)	No of farmers	100
Performance indicator	Number of eggs/laying, Income generation Per demonstration per year B:C Ratio		

Note: Each FLD detail should be given in the format

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	Rain water harvesting technique	0	0	0	0	0	0	0
Resource Conservation Technologies		2	1	3	14	8	22	25
Cropping Systems		0	0	0	0	0	0	0
Crop Diversification		0	0	0	0	0	0	0
Site specific nutrient management		0	0	0	0	0	0	0
Integrated Farming		0	0	0	0	0	0	0
Water management		0	0	0	0	0	0	0
Seed production		0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0
Integrated Crop Management		0	0	0	0	0	0	0
Fodder production		0	0	0	0	0	0	0
Production of organic inputs		0	0	0	0	0	0	0
Natural farming	0	0	0	0	0	0	0	
Total	1	2	1	3	14	8	22	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	Integrated Pest management in vegetable crops	3	2	5	9	11	20	25
Off-season vegetables	Improved method of cultivation of Kharif onion & Potato	0	2	2	13	10	23	25
	Off season cultivation of cucurbitaceous crop	5	1	6	8	11	19	25
Nursery raising		0	0	0	0	0	0	0
Exotic vegetables like Broccoli		0	0	0	0	0	0	0
Export potential vegetables		0	0	0	0	0	0	0
Grading and standardization		0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	Green house &low cost cultivation techniques for Horticultural crops	2	1	3	14	8	22	25
Natural farming	Organic Farming for sustainable Horticulture crop production	2	1	3	9	13	22	25
b) Fruits		0	0	0	0	0	0	0
Training and Pruning		0	0	0	0	0	0	0
Layout and Management of Orchards		0	0	0	0	0	0	0
Cultivation of Fruit	IPM in Fruit crops	0	0	0	13	12	25	25
Management of young plants/orchards		0	0	0	0	0	0	0
Rejuvenation of old orchards		0	0	0	0	0	0	0
Export potential fruits		0	0	0	0	0	0	0
Micro irrigation systems of orchards		0	0	0	0	0	0	0
Plant propagation techniques		0	0	0	0	0	0	0
c) Ornamental Plants		0	0	0	0	0	0	0
Nursery Management		0	0	0	0	0	0	0
Management of potted plants		0	0	0	0	0	0	0
Export potential of ornamental plants		0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants		0	0	0	0	0	0	0
d) Plantation crops		0	0	0	0	0	0	0

Production and Management technology		0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0
e) Tuber crops		0	0	0	0	0	0	0
Production and Management technology		0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0
f) Spices		0	0	0	0	0	0	0
Production and Management technology	Improved Cultivation practices for turmeric & Ginger	0	1	1	9	15	24	25
Processing and value addition	Strengthening of SHGs through different Hort. Activities	3	0	3	7	15	22	25
g) Medicinal and Aromatic Plants		0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0
Production and management technology		0	0	0	0	0	0	0
Post harvest technology and value addition		0	0	0	0	0	0	0
Total	8	15	8	23	82	95	177	200
III Soil Health and Fertility Management								
Soil fertility management	Management of soil fertility by adopting integrated approach in <i>Kharif</i> crop	6	4	10	7	8	15	25
Soil and Water Conservation		0	0	0	0	0	0	0
Integrated Nutrient Management	Integrated Nutrient Management for <i>Kharif</i> Cereals	0	5	5	14	6	20	25
	Integrated Nutrient Management for <i>Kharif</i> Oilseed	2	5	7	7	11	18	25
Production and use of organic inputs	Vermi-compost production	5	0	5	1	19	20	25
Management of Problematic soils		0	0	0	0	0	0	0
Micro nutrient deficiency in crops	Symptoms and remedies of deficiencies of Micro Nutrients in vegetables	1	3	4	8	13	21	25
Nutrient Use Efficiency		0	0	0	0	0	0	0
Soil and Water Testing	Soil Testing-Why, Where, When and How	5	6	11	6	8	14	25
Total	6	19	23	42	43	65	108	150
IV Livestock Production and Management								
Dairy Management		0	0	0	0	0	0	0
Poultry Management		0	0	0	0	0	0	0
Piggery Management		0	0	0	0	0	0	0
Rabbit Management/goat		0	0	0	0	0	0	0
Disease Management		0	0	0	0	0	0	0
Feed management		0	0	0	0	0	0	0
Production of quality animal products		0	0	0	0	0	0	0
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening		0	0	0	0	0	0	0
Design and development of low/minimum cost diet		0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet		0	0	0	0	0	0	0
Minimization of nutrient loss in processing		0	0	0	0	0	0	0
Gender mainstreaming through SHGs		0	0	0	0	0	0	0
Storage loss minimization techniques		0	0	0	0	0	0	0
Value addition		0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women		0	0	0	0	0	0	0

Location specific drudgery reduction technologies		0	0	0	0	0	0	0
Rural Crafts		0	0	0	0	0	0	0
Women and child care		0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	Irrigation management in wheat	5	0	5	1	19	20	25
Use of Plastics in farming practices		0	0	0	0	0	0	0
Production of small tools and implements		0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	Proper use and maintenance of spraying equipment	8	1	9	8	8	16	25
	Use and importance of water saving devices in vegetable	2	0	2	13	10	23	25
	Use and importance of different tillage implements	6	2	8	10	7	17	25
Small scale processing and value addition		0	0	0	0	0	0	0
Post Harvest Technology		0	0	0	0	0	0	0
Total	4	21	3	24	32	44	76	100
VII Plant Protection								
Integrated Pest Management	Major insect pest of cucurbits & their management.	0	5	5	14	6	20	25
	Soil Solarization technique for vegetable seedling raising	2	5	7	7	11	18	25
	Major insect pest of paddy & their management	5	0	5	1	19	20	25
	Major insect pest of Maize & their management	0	1	1	9	15	24	25
	Major insect pest & diseases of Brinjal crop & its integrated management technique	3	0	3	7	15	22	25
	Integrated Insect pest & disease management in Tomato crop	2	0	2	13	10	23	25
Integrated Disease Management		0	0	0	0	0	0	0
Bio-control of pests and diseases		0	0	0	0	0	0	0
Production of bio control agents and bio pesticides		0	0	0	0	0	0	0
Total	6	12	11	23	51	76	127	150
VIII Fisheries		0	0	0	0	0	0	0
Integrated fish farming		0	0	0	0	0	0	0
Carp breeding and hatchery management		0	0	0	0	0	0	0
Carp fry and fingerling rearing		0	0	0	0	0	0	0
Composite fish culture		0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn		0	0	0	0	0	0	0
Breeding and culture of ornamental fishes		0	0	0	0	0	0	0
Portable plastic carp hatchery		0	0	0	0	0	0	0
Pen culture of fish and prawn		0	0	0	0	0	0	0
Shrimp farming		0	0	0	0	0	0	0
Edible oyster farming		0	0	0	0	0	0	0
Pearl culture		0	0	0	0	0	0	0
Fish processing and value addition		0	0	0	0	0	0	0
IX Production of Inputs at site		0	0	0	0	0	0	0
Seed Production		0	0	0	0	0	0	0
Planting material production		0	0	0	0	0	0	0
Bio-agents production		0	0	0	0	0	0	0
Bio-pesticides production		0	0	0	0	0	0	0

Bio-fertilizer production		0	0	0	0	0	0	0
Vermi-compost production		0	0	0	0	0	0	0
Organic manures production		0	0	0	0	0	0	0
Production of fry and fingerlings		0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets		0	0	0	0	0	0	0
Small tools and implements		0	0	0	0	0	0	0
Production of livestock feed and fodder		0	0	0	0	0	0	0
Production of Fish feed		0	0	0	0	0	0	0
X Capacity Building and Group Dynamics		0	0	0	0	0	0	0
Leadership development		0	0	0	0	0	0	0
Group dynamics		0	0	0	0	0	0	0
Formation and Management of SHGs/FPOs etc		0	0	0	0	0	0	0
Mobilization of social capital		0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths		0	0	0	0	0	0	0
WTO and IPR issues		0	0	0	0	0	0	0
XI Agro-forestry		0	0	0	0	0	0	0
Production technologies		0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0
Integrated Farming Systems		0	0	0	0	0	0	0
XII Others (Pl. Specify)		0	0	0	0	0	0	0
TOTAL	25	69	46	115	222	288	510	625
(B) RURAL YOUTH								
Mushroom Production	Mushroom Production	0	0	0	5	15	20	20
Bee-keeping		0	0	0	0	0	0	0
Integrated farming	Integrated farming system	5	0	5	1	19	20	25
Seed production		0	0	0	0	0	0	0
Production of organic inputs	Production of organic inputs	3	5	8	1	16	17	25
	Production and use of Vermi- culture	0	2	2	9	14	23	25
Integrated Farming (Medicinal)		0	0	0	0	0	0	0
Planting material production	Plant propagation techniques for guava crop	2	5	7	7	11	18	25
Vermi-culture	Package & practices of organic vegetable crop production	5	0	5	1	19	20	25
Sericulture		0	0	0	0	0	0	0
Protected cultivation of vegetable crops	Layout & cultivation techniques of mango & guava	0	5	5	14	6	20	25
	Growing of vegetables under polythene & net house	2	5	7	7	11	18	25
	Package & practices for Broccoli crop	5	0	5	1	19	20	25
Commercial fruit production	Cultivation techniques of strawberry crops	0	1	1	9	15	24	25
Repair and maintenance of farm machinery and implements	Repair and maintenance of different agricultural implements	3	0	3	7	15	22	25
	Care and Maintenance of drip irrigation system	2	0	2	13	10	23	25
Nursery Management of Horticulture crops	Hi-tech nursery management techniques	0	0	0	8	17	25	25
Training and pruning of orchards		0	0	0	0	0	0	0
Value addition		0	0	0	0	0	0	0
Production of quality animal products		0	0	0	0	0	0	0
Dairying		0	0	0	0	0	0	0
Sheep and goat rearing		0	0	0	0	0	0	0
Quail farming		0	0	0	0	0	0	0
Piggery		0	0	0	0	0	0	0
Rabbit farming		0	0	0	0	0	0	0
Poultry production		0	0	0	0	0	0	0

Ornamental fisheries		0	0	0	0	0	0	0
Para vets		0	0	0	0	0	0	0
Para extension workers		0	0	0	0	0	0	0
Composite fish culture		0	0	0	0	0	0	0
Freshwater prawn culture		0	0	0	0	0	0	0
Shrimp farming		0	0	0	0	0	0	0
Pearl culture		0	0	0	0	0	0	0
Cold water fisheries		0	0	0	0	0	0	0
Fish harvest and processing technology		0	0	0	0	0	0	0
Fry and fingerling rearing		0	0	0	0	0	0	0
Small scale processing		0	0	0	0	0	0	0
Post Harvest Technology		0	0	0	0	0	0	0
Tailoring and Stitching		0	0	0	0	0	0	0
Rural Crafts		0	0	0	0	0	0	0
TOTAL	13	27	23	50	83	187	270	320
(C) Extension Personnel								
Productivity enhancement in field crops	Growing of high value crops for doubling farming income	0	0	0	8	17	25	25
	Pond based farming system modal for doubling farmers income	8	1	9	7	9	16	25
Integrated Pest Management		0	0	0	0	0	0	0
Integrated Nutrient management	INM in Oilseed crops in Rabi Season	0	5	5	14	6	20	25
	Integrated Nutrient management in Kharif pulse crop	2	5	7	7	11	18	25
	Integrated Nutrient management in Horticulture crops	5	0	5	1	19	20	25
Rejuvenation of old orchards	Rejuvenation of Mango orchard	0	1	1	9	15	24	25
Protected cultivation technology	Cultivation of vegetables on by using drip & mulching techniques	3	0	3	7	15	22	25
	Green house cultivation techniques for Tomato crops	2	0	2	13	10	23	25
Formation and Management of SHGs		0	0	0	0	0	0	0
Group Dynamics and farmers organization		0	0	0	0	0	0	0
Information networking among farmers		0	0	0	0	0	0	0
Capacity building for ICT application		0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	Water management through sprinkler and drip irrigation system	8	4	12	6	7	13	25
WTO and IPR issues		0	0	0	0	0	0	0
Management in farm animals		0	0	0	0	0	0	0
Livestock feed and fodder production		0	0	0	0	0	0	0
Household food security		0	0	0	0	0	0	0
Women and Child care		0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing		0	0	0	0	0	0	0
Production and use of organic inputs		0	0	0	0	0	0	0
Gender mainstreaming through SHGs		0	0	0	0	0	0	0
Any other (Pl. Specify)	Increase water use efficiency in field crops	5	4	9	6	10	16	25
	Different technique and importance of soil and water conservation	4	0	4	8	13	21	25
TOTAL	11	37	20	57	86	132	218	275
G. Total	49	133	89	222	391	607	998	1220

B) OFF Campus **Note: 25 participants per training**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	1	2	5	7	7	11	18	25
Cropping Systems	1	5	4	9	6	10	16	25
Crop Diversification	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
Total	2	7	9	16	13	21	34	50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	3	8	4	12	24	39	63	75
Nursery raising	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	3	0	3	7	15	22	25
Cultivation of Fruit	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
Total	4	11	4	15	31	54	85	100

III Soil Health and Fertility Management								
Soil fertility management	2	3	3	6	14	30	44	50
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	4	4	9	13	54	33	87	100
Production and use of organic inputs	4	1	3	4	47	49	96	100
Management of Problematic soils	2	4	10	14	14	22	36	50
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
Total	12	12	25	37	129	134	263	300
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	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	2	5	7	7	11	18	25
Use of Plastics in farming practices		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	1	5	0	5	1	19	20	25
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	1	0	1	1	9	15	24	25
Total	3	7	6	13	17	45	62	75
VII Plant Protection								
Integrated Pest Management	3	6	6	12	42	21	63	75
Integrated Disease Management	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
Total	3	6	6	12	42	21	63	75
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0
Planting material production (Horti.)	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 (Horti.)	0	0	0	0	0	0	0	0
Organic manures production (A.S.)	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	0	0	0	0	0	0	0	0
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(HS)	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 (Agro)	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
Grand TOTAL	24	43	50	93	232	275	507	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								
Resource Conservation Technologies	2	4	6	10	21	19	40	50
Cropping Systems	1	5	4	9	6	10	16	25
Crop Diversification	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

	Total	3	9	10	19	27	29	56	75
II Horticulture									
a) Vegetable Crops									
Production of low volume and high value crops		1	3	2	5	9	11	20	25
Off-season vegetables		5	13	7	20	45	60	105	125
Nursery raising		0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)		1	2	1	3	14	8	22	25
Natural Farming		1	2	1	3	9	13	22	25
b) Fruits		0	0	0	0	0	0	0	0
Training and Pruning		0	0	0	0	0	0	0	0
Layout and Management of Orchards		1	3	0	3	7	15	22	25
Cultivation of Fruit		1	0	0	0	13	12	25	25
Management of young plants/orchards		0	0	0	0	0	0	0	0
Rejuvenation of old orchards		0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0
Production and Management technology		1	0	1	1	9	15	24	25
Processing and value addition		1	3	0	3	7	15	22	25
g) Medicinal and Aromatic Plants		0	0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0	0
Production and management technology		0	0	0	0	0	0	0	0
Post harvest technology and value addition		0	0	0	0	0	0	0	0
Total		12	26	12	38	113	149	262	300
III Soil Health and Fertility Management									
Soil fertility management		3	9	7	16	21	38	59	75
Soil and Water Conservation		0	0	0	0	0	0	0	0
Integrated Nutrient Management		6	6	19	25	75	50	125	150
Production and use of organic inputs		5	6	3	9	48	68	116	125
Management of Problematic Soils		2	4	10	14	14	22	36	50
Micro nutrient deficiency in crops		1	1	3	4	8	13	21	25
Nutrient Use Efficiency		0	0	0	0	0	0	0	0
Soil and Water Testing		1	5	6	11	6	8	14	25
Total		18	31	48	79	172	199	371	450
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		0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet		0	0	0	0	0	0	0	0

Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2	7	5	12	8	30	38	50
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	4	21	3	24	32	44	76	100
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	1	0	1	1	9	15	24	25
Total	7	28	9	37	49	89	138	175
VII Plant Protection								
Integrated Pest Management	9	18	17	35	93	97	190	225
Integrated Disease Management	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
Total	9	18	17	35	93	97	190	225
VIII Fisheries								
Integrated fish farming	0	0	0	0	0	0	0	0
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	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
Sponsored training	0	0	0	0	0	0	0	0
Farmer practice TOTAL	49	112	96	208	454	563	1017	1225
(B) RURAL YOUTH								
Mushroom Production	1	0	0	0	5	15	20	20
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	1	5	0	5	1	19	20	25
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	2	3	7	10	10	30	40	50
Integrated Farming	0	0	0	0	0	0	0	0
Planting material production	1	2	5	7	7	11	18	25
Vermi-culture	1	5	0	5	1	19	20	25
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	3	7	10	17	22	36	58	75
Commercial fruit production	1	0	1	1	9	15	24	25
Repair and maintenance of farm machinery and implements	2	5	0	5	20	25	45	50
Nursery Management of Horticulture crops	1	0	0	0	8	17	25	25
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Rural Youth TOTAL	13	27	23	50	83	187	270	320
(C) Extension Personnel								
Productivity enhancement in field crops	2	8	1	9	15	26	41	50
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	3	7	10	17	22	36	58	75
Rejuvenation of old orchards	1	0	1	1	9	15	24	25
Protected cultivation technology	2	5	0	5	20	25	45	50
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	1	8	4	12	6	7	13	25
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	0	0	0	0	0	0	0	0
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)	2	9	4	13	14	23	37	50
Extension Personnel Total	11	37	20	57	86	132	218	275
G. TOTAL	73	176	139	315	623	882	1505	1820

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	150	200	350	3	1	4	153	201	354
Kisan Mela	0	0	0	0				0	0	0
Kisan Ghosthi	8	180	220	400	2	1	3	182	221	403
Exhibition	1	225	275	500	3	0	3	255	275	530
Film Show		0	0	0				0	0	0
Farmers Seminar		0	0	0				0	0	0
Workshop		0	0	0				0	0	0
Group meetings		0	0	0				0	0	0
Lectures delivered as resource persons		0	0	0				0	0	0
Newspaper coverage		0	0	0				0	0	0
Radio talks		0	0	0				0	0	0
TV talks		0	0	0				0	0	0
Popular articles		0	0	0				0	0	0
Extension Literature		0	0	0				0	0	0
Advisory Services		0	0	0				0	0	0
Scientific visit to farmers field	20	225	275	500	3	1	4	228	276	504
Farmers visit to KVK		0	0	0				0	0	0
Diagnostic visits		0	0	0				0	0	0
Exposure visits		0	0	0				0	0	0
Ex-trainees Sammelan	1	45	55	100	2	0	2	47	55	102
Soil health Camp	2	225	275	500	3	0	3	255	275	530
Animal Health Camp	1	23	27	50	3	0	3	26	27	53
Agri mobile clinic		0	0	0				0	0	0
Soil test campaigns	1	9	11	20	3	1	4	12	12	24
Farm Science Club Conveners meet	4	45	55	100	2	1	3	47	56	103
Self Help Group Conveners meetings	2	27	33	60	3	0	3	30	33	63
Mahila Mandals Conveners meetings										
Celebration of important days (specify)										
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop										
Pre Rabi workshop										
PPVFRA workshop										
Any Other (Specify)										
Total	47	1154	1426	2580	27	5	32	1235	1431	2666

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS			
	Paddy	CR Dhan-320	120
	Wheat	BG-4	50
OILSEEDS			
	Mustard	BBM-1	15
PULSES			
-	-	-	-
VEGETABLES			
OTHERS (Specify)			
-	-	-	-

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
-	-	-	-
SPICES			
-	-	-	-
VEGETABLES			
	Tomato	Swarna Vijay /Swarna Anmol, Pusa Hybrid 1	10000
	Onion	Arka Niketan, N-53	10000
	Brinjal	Swarn Sakti, Swarn Nilima	10000
	Chilli	Arka Lohit, Arka Surya	10000
FOREST SPECIES			
-	-	-	-
ORNAMENTAL CROPS			
-	-	-	-
Total			40000

C) BIO-PRODUCT

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

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	Chicks	Jharsim	1000	100
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	1
2	Technical reports	5
3	News letters	0
4	Training manual all discipline	2
5	Popular article	5
6	Extension literature	2
Total		15

(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	CD	लातेहारमेंसरसों का विस्तार	1
	WhatsApp group	Kheti Samachar KVK, Latehar	1

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

-

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

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

- a)
- b)
- c)

Rural Youth

- a)
- b)
- c)
- d)

In-service personnel

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

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	100	100	5	-
Water	0	0	0	0
Plant	0	0	0	0
Total	100	100	5	0

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	District Agriculture office, Latehar	Skill training for rural youth	
2.	District Agriculture office, Latehar	Kisan Mela	
3.	District Agriculture office, Latehar	Kharif Workshop	
4.	District Agriculture office, Latehar	Rabi & Kharif workshop	
5.	District Agriculture office, Latehar	On campus Training of farmers	
6.	District Horticulture office, Latehar	Mali training	
7.	District Agriculture office, Latehar	Technical support in FLD Programme of NFSM	
8.	District Agriculture office, Latehar	Technical support in FLD Programme of BGREI	
9.	District Agriculture office, Latehar	Monitoring in BGREI Programme	
10.	District Agriculture office, Latehar	Soil Health card distribution	
11.	District Agriculture office, Latehar	DESI, Programme	
12.	JKVN, Latehar	Seed Production Programme	
13.	District Cooperative office, Latehar	LAMPS & PACS Training	
14.	Soil Conservation office, Latehar	Implementation of the Sub-Mission on Agricultural Mechanization (SMAM)	
15.	NABARD	Technical support of FPOs, Assist. the farmers for finance	
16.	LDM	Member of Price fixation	

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Farmers Science Interaction	Scientific Support	
2	Training Programme	Technical Support	
3	RKVY	Monitoring of RKVY Programme	
4	Krishak Pathshala	Technical Support	
5	Demonstration	Monitoring of Demonstration	
6	Development of SREP	Technical Support for compelling the SREP	
7	Mobilization of Framers groups FIG/ WIG/FOs/Cos/FCs	Formation of farmers group and its mobilization	
8	Farmers Awards (District Level)	Member for the selection committee of the award	
9	Farmers Awards (State Level)	Member for the selection committee of the award	
10	District level exhibition, Kisan Melas, Fruits/Vegetables shows	Participation of dist. level exhibition and member of selection committee for exhibition (Fruit & Veg.)	
11	Designate Expert support from SAU/KVK at district level	Expert support to the dist. level	
12	Joint visit by Scientist & Extension workers	Problem solve at village level	
13	Organization of Kisan Gosthis to strengthen Research –Extension-Farmer linkages (1per block in each of the 2 seasons)	Technical Support	
14	Assessment, Refinement, Validation and adoption of Frontline Technologies	Problem solving.	

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	Input Dealer Training	15
	Total	15

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	Rain water harvesting technique	1	2	1	3	14	8	22	25	July
Horticulture											
	PF/FW	Integrated Pest management in vegetable crops	1	3	2	5	9	11	20	25	June
	PF/FW	Improved method of cultivation of Kharif onion & Potato	1	0	2	2	13	10	23	25	June
	PF/FW	Off season cultivation of cucurbitaceous crop	1	5	1	6	8	11	19	25	Nov.
	PF/FW	Organic Farming for sustainable Horticulture crop production	1	2	1	3	9	13	22	25	June
	PF/FW	IPM in Fruit crops	1	0	0	0	13	12	25	25	July
	PF/FW	Improved Cultivation practices for turmeric & Ginger	1	0	1	1	9	15	24	25	May
	PF/FW	Strengthening of SHGs through different	1	3	0	3	7	15	22	25	Sept.

		Hort. Activities										
Livestock prod.												
	PF/FW											
Agril. Engg.												
	PF/FW	Proper use and maintenance of spraying equipment	1	8	1	9	8	8	16	25	June	
	PF/FW	Use and importance of water saving devices in vegetable	1	2	0	2	13	10	23	25	Oct.	
	PF/FW	Use and importance of different tillage implements	1	6	2	8	10	7	17	25	May	
Home Sc.												
	PF/FW											

Plan prot.												
	PF/FW	Major insect pest of cucurbits & their management.	1	0	5	5	14	6	20	25	Mar to Apr	
	PF/FW	Soil Solarization technique for vegetable seedling raising	1	2	5	7	7	11	18	25	April	
	PF/FW	Major insect pest of paddy & their management	1	5	0	5	1	19	20	25	May to Jun	
	PF/FW	Major insect pest of Maize & their management	1	0	1	1	9	15	24	25	May to Jun	
	PF/FW	Major insect pest & diseases of Brinjal crop & its integrated management technique	1	3	0	3	7	15	22	25	Jul to Aug.	
	PF/FW	Integrated Insect pest & disease management in Tomato crop	1	2	0	2	13	10	23	25	Sept. to Oct.	
Fisheries												
	PF/FW											
Soil Health												
	PF/FW	Management of soil fertility by adopting integrated approach in <i>Kharif</i> crop	1	6	4	10	7	8	15	25	July	
	PF/FW	Integrated Nutrient Management for <i>Kharif</i> Cereals	1	0	5	5	14	6	20	25	June	
	PF/FW	Integrated Nutrient Management for <i>Kharif</i> Oilseed	1	2	5	7	7	11	18	25	July	
	PF/FW	Vermi-compost production	1	5	0	5	1	19	20	25	August	
	PF/FW	Symptoms and remedies of deficiencies of Micro Nutrients in vegetables	1	1	3	4	8	13	21	25	May	
	PF/FW	Soil Testing-Why, Where, When and How	1	5	6	11	6	8	14	25	April	

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	Layout & cultivation techniques of mango & guava	1	0	5	5	14	6	20	25	April
	PF/FW	Improved cultivation techniques of Kharif vegetables	1	2	5	7	7	11	18	25	May & June
	PF/FW	Improved cultivation techniques for Rabi vegetables	1	5	0	5	1	19	20	25	Sept. & Oct.
	PF/FW	Improved cultivation techniques for summer vegetables	1	1	3	4	8	13	21	25	Dec & Jan
Live Stock Production.											
	PF/FW										
Agril. Engg.											
	PF/FW	Different technique for soil water conservation	1	2	5	7	7	11	18	25	August
	PF/FW	Women friendly drudgery reducing implements	1	5	0	5	1	19	20	25	January
	PF/FW	Grain storage method on house hold level	1	0	1	1	9	15	24	25	February

	PF/FW	Importance and use of sprinkler and drip Irrigation system	1	3	0	3	7	15	22	25	March
Home Sc.											
	PF/FW										
Plant Protection											
	PF/FW	Insect pest & disease management in Potato crop	1	8	1	9	8	8	16	25	Nov. & December
	PF/FW	Major insect pest & disease management in Mustard & Wheat crop	1	2	0	2	13	10	23	25	Nov. & December
	PF/FW	Insect Pest management in Mango crop	1	6	2	8	10	7	17	25	January & February
Fisheries											
	PF/FW										
Soil health											
	PF/FW	Fertilizer management in paddy	1	3	2	5	9	11	20	25	June
	PF/FW	Fertilizer management in Maize	1	0	2	2	13	10	23	25	July
	PF/FW	Production and use of BGA	1	5	1	6	8	11	19	25	April
	PF/FW	Lime application in acidic soil	1	2	1	3	9	13	22	25	May
	PF/FW	Management of soil fertility by adopting integrated approach in <i>Kharif</i> pulse.	1	0	0	0	13	12	25	25	Jun , Jul
	PF/FW	INM in Kharif oilseed crop	1	0	1	1	9	15	24	25	Jun , Jul
	PF/FW	INM in wheat	1	3	0	3	7	15	22	25	Oct.
	PF/FW	INM in Rabi pulse crop	1	5	0	5	1	19	20	25	Oct, Nov
	PF/FW	Production and use of vermicompost	1	0	1	1	9	15	24	25	August
	PF/FW	Management of acidic soil	1	3	0	3	7	15	22	25	Sept. & Jan
	PF/FW	Production and use of bio- fertilizer	1	2	0	2	13	10	23	25	Nov. & Feb
	PF/FW	Production & use of NADEP compost	1	6	2	8	10	7	17	25	Dec & Mar

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		
	Repair and maintenance of farm machinery and implements	Repair and maintenance of different agricultural implements	3	3	0	3	7	15	22	25	October
	Use of plastic farming practices	Care and Maintenance of drip irrigation system	2	2	0	2	13	10	23	25	November
	Hi – Tech Horticulture	Green house & low cost cultivation techniques for Horticultural crops	3	3	5	8	1	16	17	25	September
	Hi – Tech Horticulture	Growing of vegetables under polythene & net house	3	2	5	7	7	11	18	25	September
	Hi – Tech Horticulture	Hi-tech nursery management techniques	3	0	0	0	8	17	25	25	October
	Propagation technology	Plant propagation techniques for guava crop	3	2	5	7	7	11	18	25	Aug & Sept.
	Organic farming	Package & practices of organic vegetable crop production	3	5	0	5	1	19	20	25	October
	Fruit production	Cultivation techniques of strawberry crops	2	0	1	1	9	15	24	25	October
	Vegetables production	Package & practices for brocoli crop	2	5	0	5	1	19	20	25	October
	Farming System	Integrated farming system	3	5	0	5	1	19	20	25	August
	Production of organic inputs	Production of organic inputs	5	3	5	8	1	16	17	25	Sept
	Vermi- culture	Production and use of Vermi- culture	5	0	2	2	9	14	23	25	May
	Mushroom Production	Mushroom Production	3	0	0	0	5	15	20	20	Oct.

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
On Campus											
	EF	Increase water use efficiency in field crops	01	2	0	2	13	10	23	25	February
	EF	Water management through sprinkler and drip irrigation system	01	3	5	8	1	16	17	25	October
	EF	Different technique and importance of soil and water conservation	01	2	5	7	7	11	18	25	November
	EF	Rejuvenation of Mango orchard	01	0	0	0	8	17	25	25	November
	EF	Cultivation of vegetables on by using drip & mulching techniques	01	2	5	7	7	11	18	25	December
	EF	Green house cultivation techniques for Tomato crops	01	5	0	5	1	19	20	25	September
	EF	Growing of high value crops for doubling farming income	01	0	1	1	9	15	24	25	September
	EF	Pond based farming system modal for doubling farmers income	01	5	0	5	1	19	20	25	Feb & March
	EF	Integrated Nutrient management in Horticulture crops	01	5	0	5	1	19	20	25	Sept. to Nov.
	EF	INM in Oilseed crops in Rabi Season	01	3	5	8	1	16	17	25	Feb
	EF	Integrated Nutrient management in kharif pulse crop	01	0	2	2	9	14	23	25	March

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
		</									



Signature of Senior Scientist & Head