



Dr. Rajendra Prasad Central Agricultural
University, Pusa, Samastipur, Bihar
(848125)



Krishi Vigyan Kendra, Manjhi Saran



ANNUAL ACTION PLAN - KVK, SARAN

(1st January to 31st 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
KVK Saran, Bihar	Office	FAX	head.kvk.manjhi@rpcau.ac.in	www.saran.kvk4.in
	6287797158			

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

Address	Telephone		E mail	Website
	Office	FAX		
Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar	06274240226 (VC Cell) 06274240251 (DoEE)	-	dee@rpcau.ac.in vc@rpcau.ac.in psvc@rpcau.ac.in	https://rpcau.ac.in

1.2.b. Status of KVK website : - Yes Date when the website last updated: Feb, 2026

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : - **186488**

1.2.d Status of ICT lab at your KVK :

a) No. of PC units : **05**

b) No. of Printers : **03**

c) Internet connection : **Yes**

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

Name	Telephone / Contact		
Dr. Sanjay Kumar Rai	Office	Mobile	Email
	6287797158	6287797158	head.kvk.manjhi@rpcau.ac.in

1.4. Year of sanction: F No-18-23/96-AE I 24.03.2006

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/Other)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. Sanjay Kumar Ray	Senior Scientist and Head	Horticulture		9000	156900	17.07.2007	Permanent	Others	9430557320	sanjayhortipusa@gmail.com	
2	Subject Matter Specialist	Dr. Jitendra Chandra Chandola	S.M.S.	Horticulture (Pomology)		5400	67000	13.12.2018	Permanent	SC	8218070207	jitendracm87@gmail.com	
3	Subject Matter Specialist	Dr. Jeer Vanayaka	S.M.S.	Plant Protection (Entomology)		5400	61300	10.03.2022	Permanent	Other	7337765461	vinaykksaran@gmail.com	
4	Subject Matter Specialist	Dr. Sushma Tamta	S.M.S.	Agriculture Engineering		5400	61300	14.03.2022	Permanent	SC	7906640287	sushma.tamta@rpeau.ac.in	
5	Programme Assistant	Dr. Vijay Kumar	Programme Assistant (Lab. Tech.)	Soil Science		4200	43600	28.11.2017	Permanent	OBC	9608150344	vkvijaymadhubani@gmail.com	
6	Assistant/ Superintendent	Mr. Amitesh Kumar Gaurav	Assistant	M.A. (Hindi)		4200	43600	23.11.2017	Permanent	OBC	8871458751	amitesh.gaurav@rpeau.ac.in	
7	Stenographer	Mr. Rama Ranjan	Stenographer	Graduate		2400	31400	20.02.2018	Permanent	Others	9155701319	rama.ranjan@rpeau.ac.in	
8	Driver	Uma Shankar Kumar	Tractor Driver	Graduate (History)		2000	24500	27.02.2021	Permanent	OBC	6203915717	umasankerji01@gmail.com	

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/OB C/ Others)	Mobile No.	Email id	Please attach recent photograph
9	Driver	Ankit Kumar Mishra	Jeep Driver	Graduate (History)		2000	24500	01.04.2021	Permanent	Others	9935612748	ankitmishra6731@gmail.com	
10	Supporting staff	Sri Rakesh Kumar	Skill Supporting Staff	12th		1800	20300	16.03.2021	Permanent	Others	9507536840	rakeshkumarcp_rhp@gmail.com	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2
2.	Under Demonstration Units	1.6
3.	Under Crops	11.9
4.	Horticulture	4
5.	Pond	0.4
6.	Others if any	0
	Total	19.90

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		-	423.25	-			
2.	Farmers Hostel	ICAR		-	305	-			
3.	Staff Quarters (6)	ICAR		-	71.12 (PC and FM) 120.32 (Technical-2 unit) 78 (Supporting -2 unit)	-			

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
4.	Demonstration Units (2)	ICAR		-	-	-			
5	Fencing	ICAR		-	3.5 km	-			
6	Rain Water harvesting system			-	-	-			
7	Threshing floor	ICAR		-	130	-			
8	Farm godown	ICAR		-	78	-			
	Other			-	-	-			

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2025	Present status
Jeep Bolero	2024	ICAR	914000	21015	Working condition
Tractor	2019	ICAR	612036	1548.6	Working condition
Tractor	2021	RKVY	612425	1785.3	Working condition
Motorcycle (10)	2016	ICAR	60000	52166	Working condition
Motorcycle (09)	2016	ICAR	60000	33598	Working condition

C) Equipment's & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status
a. Lab equipment			
Computer CPU, Monitor, LaserJet 1020 printer, Business jet 1000 printer and scan jet	2007-08	54963.00	Not Working
AC (2 Nos.)	2019-20	77514.00	Working
Mrida parikshak	2015-16		Expired /Not functional
b. Farm machinery			
Pump set (7.5 HP) with all the accessories	2007-08	35285.00	working
Zero Tillage Machine	2007-08	Supplied by RCT Project of RAU	Not working
Furrow Irrigated Raised Bed Planter	2007-08		Good

Name of equipment	Year of purchase	Cost (Rs.)	Present status
Knapsack sprayer	2007-08	1190.00	Good
Gatore sprayer	2007-08	3250.00	Good
Pump set (5HP) with all accessories)	2008-09	25000.00	Needs Repairing
Generator	2008-09	31540.00	Good
Thresher	2008-09	99320.00	Fully need repairing
Reaper+Bund Maker	2008-09	85840.00	Good
Sugarcane Cutter Planter	2008-09	99320.00	Need repairing
Rotavator	2008-09	95160.00	Need repairing
Reaper	2008-09	75400.00	Need repairing
Bund Maker	2008-09	10140.00	Good
Bucket leveler	2012-13		Good
Zero tillage Machine	Supplied by Government of Bihar		
Paddy Transplanter	Supplied by Government of Bihar		
Mobile Seed Processing Plant	Supplied by Government of Bihar		
Rotary Plough	2012-13		
Multi crop Thresher	2012-13		
Mobile Seed Processing Plant (Seed Hub)	2017-18	1500000.00	Good
Tractor	2019-2020	612036.00	Good
Power sprayer	2025	17,998.00	Working
Solar dryer	2025	14,224.00	Working
Brush/ grass cutter (Neptun)	2025	12000.00	Working
Brush/ grass cutter (Falcon)	2025	19000.00	Working
c. AV Aids			
Computer CPU, Monitor, printer	2010-11		Not Working
Digital Camera	2008-09	24880.00	Not Working
Panasonic Tough book	2018-19	215000.00	Not Working
HP Copier	2019-20	65400.00	Not Working
HP Color Printer	2019-20	21998.00	Not Working
Projector	2019-20	76140.00	Working
Inverter	2020-21	10,000.00	Working
Battery	2020-21	15,000.00	Working
Battery	2020-21	14,995.00	Working
Crompton Fan	2020-21	14,320.00	Working
Acer Desktop	2020-21	1,19,000.00	Working
AC (VOLTAS -1.5 tonn)	2025	39,499.00	Working
AC (VOLTAS -1.5 tonn)	2025	39,499.00	Working
HP laser printer	2025	18,500.00	Working

Name of equipment	Year of purchase	Cost (Rs.)	Present status
ACER A10 Computer	2025	44,500.00	Working
MICROTEC UPS	2025	7050.00	Working
ACER desktop	2025	41,974.00	Working
ACER all in one PC	2025	43,500.00	Working
Voltas split AC 1.5 tonn	2025	41,000.00	Working
Samsung tab	2025	25,598.00	Working
ACER all in one PC	2026	49,125.00	Working
Promark 86 inch display intractive pannel with CPU & UPS 2000 VA	2026	3,45,700.00	Working
Promark PTJ funtional video conferencing camra	2026	2,48,000.00	Working

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

Sl. No.	Date
1. Scientific Advisory Committee	NIL

Suggestions of SAC meeting

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop + livestock + others)	Major soil types
1	AES I (Upland rain fed saline lands)	Rice-wheat-green gram-maize-cole crop + Animal husbandry	Alluvial saline soils
2	AES II (Upland irrigated lands)	Rice-wheat-green gram-maize-cole crop + Animal husbandry	Alluvial plain -Loamy silt soils
3	AES III (Upland rain fed lands)	Pigeon pea-Rice + Mango/Banana+ Animal husbandry	Alluvial plain-Loamy silt soils
4	AES IV (Irrigated medium lands)	Rice-Lentil-Maize-Potato+ mango/banana +animal husbandry	Alluvial plain-Loamy silt soils
5	AES V (Low lands)	Wheat-green gram-Sesame-fallow land+ animal husbandry	Heavy clay soils
6	AES VI (Diara lands)	Wheat/Pulse/oil seed-Maize/Rice-Pointed gourd +Animal husbandry	Light sandy soils

b) Land Characteristics

S. No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-I Upland rain fed saline lands	Undulating	Poor drainage condition
2.	AES-II Upland irrigated lands	Alluvial plain lands	Moderate drainage condition
3.	AES-III Upland rain fed lands	Alluvial plain lands	Moderate drainage condition
4.	AES-IV Irrigated medium lands	Alluvial plain lands	Poor drainage condition
5.	AES-V Low lands	Water logged conditions	Poor drainage condition
6.	AES-VI Diara lands	Flooded during monsoons	Poor drainage condition

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES I (Upland rain fed saline lands)	Alluvial saline soils with Poor drainage and undulating topography, high pH soils (7.5 to 8.2) with white and fluffy outgrowths	3
2.	AES II (Upland irrigated lands)	Alluvial plain lands with Loamy silt soils under irrigated conditions subject to periodical inundation	4
3.	AES III (Upland rain fed lands)	Alluvial plain lands with Loamy silt soils subject to periodical inundation	5
4.	AES IV (Irrigated medium lands)	Alluvial plain lands with Loamy silt soils or silty loam soils	6
5.	AES V (Low lands)	Bowl shaped depressions having heavy clay soils, generally under water logged conditions where there is no source of drainage, Cracks develop when dry due to high sodium content, Deficiency of available Ca, N and Zn	1
6.	AES VI (Diara lands)	Light sandy soils with poor water holding capacity, Flooded during monsoons	2

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
1	Paddy	62314.00	158154.00	25.38	9.62	24.62
2	Wheat	87219.00	286328.00	32.83	8.17	17.17
3	Pigeon pea	240	490	20.42	4.6	7.6
4	Green gram	1672	1328	07.94	2.06	4.56
5	Rapeseed/ Mustard	3573	5888	16.48	5.7	6.7
6	Mango	4970	69580	140	350	450
7	Litchi	614	6754	110	50	100

8	Tomato	2079	43659	210	165	290
9	Cabbage	1401	35025	250	50	25

Source: e-statistics Portal, Govt. of Bihar (2024-25)

2.3. Weather data (2025-26)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2024	January 2024	0	24	6	92.5	48.2
	February 2024	0	29	8	85.6	33.4
	March 2024	0	38	13	69.4	21.4
	April 2024	0	43	22	56.7	15.4
	May 2024	0	43	21	81.6	54.2
	June 2024	65.8	44	27	86.3	50.1
	July 2024	95.6	38	25	89.4	68.5
	August 2024	125.6	37	24	91.7	80.1
	September 2024	112.9	36	25	92.5	75.4
	October 2024	95.8	34	23	93.4	56.3
	Nov-2024	0	31	15	89.4	32.4
	Dec- 2024	0	19	10	96.4	95.6
2025	January 2025	0	16	9	91.5	46.5
	February 2025	0	30	12	82	32
	March 2025	0	39	15	71.3	22.9
	April 2025	20.45	43	21	61.4	18.6
	May 2025	0	41	23	79.6	52.3
	June 2025	7.99	42	25	88.6	52.5
	July 2025	32.18	38	26	87.4	71.5
	August 2025	164.67	37	25	93.4	81.4
	September 2025	91.87	37	24	93.6	74.8
	October 2025	95.13	34	22	91.2	52.8
	Nov-2025	18.94	31	15	92.3	34.8
	Dec- 2025	0	26	8	94.6	51.4
Total		926.93	830	444	2051.8	1222.5

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Plough Animals	168189	-	-	-
Cattle	232814	-	-	-
Buffalo	109414	-	-	-
Sheep	12486	-	-	-
Goats	234640	-	-	-
Cattle				
Crossbred	28994	-	-	-
Indigenous	208806	-	-	-
Pigs	126541	-	-	-
Poultry				
Hens	47592	-	-	-

<i>Desi</i>	38823	-	-	-
Category		Production (q)	Productivity	
Fish (Reservoir)				

*Statistical report

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Sadar	Manjhi	Nandpur	Paddy, wheat, Lentil, mustard	Paddy -41 q/ha, wheat - 35 q/ha, Lentil – 10 q/ha, mustard – 12 q/ha	Lack of information on high yielding varieties, Lack knowledge of Product Production Procedure	Productivity enhancement of cereals, pulses and oilseeds
Sonepur	Dariyapur	Darihara	Paddy, wheat, Lentil, mustard	Paddy -43 q/ha, wheat - 37 q/ha, Lentil – 10.5 q/ha, mustard – 13 q/ha	High dependence on chemical fertilizer and insecticides and pesticides	IPM and INM in cereals, pulses and oilseeds
Sadar	Manjhi	Hansrajpur	Paddy, wheat maize, potato	Paddy – 40 q/ha, wheat – 35 q/ha maize – 70 q/ha, potato-215 q/ha	Lack of information on soil testing, Lack of knowledge and non-availability of bio-fertilizers and bio-pesticides, Wastage of cow dung manures, Pressure on women due to labor deployment	Natural Resource management and INM, Organic Farming, Drudgery reduction in women
Sadar	Jalalpur	Majhawali	Paddy, wheat maize, lentil, mustard	Paddy- 42 q/ha, wheat- 36 q/ha maize - 72 q/ha, lentil - 9 q/ha, mustard -15 q/ha	Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops	Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds
Sadar	Manjhi	Dumri	Paddy, wheat maize, potato	Paddy – 43q/ha, wheat – 36.5 q/ha maize – 75 q/ha, potato – 235 q/ha	Low productivity of paddy, low productivity and income from maize, Heavy infestation of weed in paddy and other crops	Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds
Sadar	Revilganj	SitabDiar	Paddy, wheat maize, potato, mustard, green gram	Paddy -41 q/ha, wheat – 38 q/ha, maize – 78 q/ha, potato -230 q/ha,	High cost of cultivation and low return, lack of knowledge for safe and easy method of	Resource Conservation Technology for sowing of different crops

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
				mustard – 14 q/ha, green gram – 6 q/ha	insect pest management	
Sonepur	Dighwar a	Gopalpur	Paddy, wheat maize, potato, mustard, Arhar	Paddy – 44 q/ha, wheat – 39 q/ha maize- 80 q/ha, potato – 235 q/ha, mustard – 15 q/ha, Arhar- 12 q/ha	High cost of cultivation and low return, lack of knowledge for safe and easy method of insect pest management	Resource Conservation Technology for sowing of different crops, Productivity enhancement of cereals, pulses and oilseeds, IWM in cereals, pulses and oilseeds.

2.6 Top five major priority thrust areas:

1. Timely availability of seed and planting material
2. Adoption of climate resilient varieties for promoting Climate Resilient Technology
3. Productivity enhancement of cereals, pulses and oilseeds through resent agriculture practices
4. Provide quality planting materials of vegetables and fruits crop
5. Creation of Job opportunities for landless Rural and urban youth through Capacity and skill development training

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)/unit	No of enterprises	Number of Farmers
6	60	9.4 ha & 23 units	3	138

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
50	1250	710	7730

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
517	97,700	-	350

3 B. Abstract of interventions to be undertaken

Thrust area	Crop/	Interventions
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S. No		Enterprise	Identified Problem	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	Crop diversification through papaya	Papaya	Disease outbreaks, especially viral diseases, poor access to quality plant material, and lack of knowledge about improved production techniques	-	Productivity enhancement of papaya through introduction of high yielding variety Red Lady	Scientific cultivation practice of papaya	-	2	Planting materials

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	-	1	-	-	5	2	-	-	2	10
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	2	-	-	-	-	-	-	2
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	2	-	-	-	-	-	2
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	1	-	-	-	1	-	-	-	-	2
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	2	1	-	-	1	-	-	-	-	4
Integrated Disease Management	2	1	-	-	1	-	-	-	-	4
Resource conservation technology	2	1	2	-	1	-	-	-	-	6

Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
TOTAL	7	4	4	2	9	2	-	-	2	30

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

Horticulture: OFT -01

Crop	Potato
Season	Rabi
Problem	Moisture loss is one of an important constraint in obtaining high potato yield.
Main cause	Low water holding capacity of soil
Title of OFT	Ex-situ residue management in potato cultivation
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize
Thematic area	Residues management
Farmer practice	T1: Sowing in ridge and furrow method
Technology option selected for assessment	T2: Sowing of Potato with FYM and Paddy straw (15cm) T3: Sowing of Potato with FYM and Water hyacinth (15cm)
Source of technology	IIVR, Varanasi
No of trial	10 (Total area for field crops 1.0 ha and for vegetable 0.4 ha)
Detail of critical input	FYM, Water hyacinth
Cost of individual critical input	-
Total cost of critical input	-

Performance indicator to be recorded	(i) Technical indicator: Germination, Growth performance, Disease incidence, Weed population, Tuber yield (ii) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception: Diagnostic field visit, one-to one interaction with farmers, supply of reading materials
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Horticulture: OFT -02

Crop	Mango
Season	Rabi
Problem	Depletion of available water
Main cause	Weed problem and low water availability in surface and subsurface soil
Title of OFT	Assessment of different types of mulches in young Mango plants
Farming situation	Soil type-Alluvial soil, land type-low land, irrigation type-rainfed, season-rabi
Thematic area	Crop Production
Farmer practice	T1: No mulching/ Litter fall of tree
Technology option selected for assessment	T2: Tephrosia leaves T3: Any local available mulch (Rice/wheat straw and grass) 15 cm thick
Source of technology	ICAR- RCER, Patna
No of trial	10
Detail of critical input	Tephrosia leaves
Cost of individual critical input	-
Total cost of critical input	-
Performance indicator to be recorded	(i) Technical indicator: Fruit weight, fruit length and yield (ii) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception: Diagnostic field visit, one-to one interaction with farmers, supply of reading materials

Agril. Engg.: OFT -03

Crop	Maize (<i>Zea mays</i>)
Season	Rabi
Problem	Drudgery in operation and shortage of labour
Main cause	Farmers unaware about the technology, Migration of labours
Title of OFT	Assessment of different planting practices of Maize in Rabi season
Farming situation	Soil type- Sandy loam, land type-upland, irrigation type-Irrigated, Previous crop- Paddy
Thematic area	Farm mechanization
Farmer practice	T1 – Manual planting
Technology option selected for assessment	T2 – Dibbler T3 – Rotary Dibbler
Source of technology	CIAE, Bhopal
No of trial	10
Detail of critical input	Rotary Dibbler, dibbler
Cost of individual critical input	Rotary dibbler- 10,000, Dibbler- 3,500

Total cost of critical input	Rs 13,500/-
Performance indicator to be recorded	(i) Technical indicator: Theoretical field capacity (ha/hr), actual field capacity (ha/hr), field efficiency (%) Manpower reduction (man-days), Germination percentage (%), Yield (q/ha) (ii) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception: Diagnostic field visit, one to one interaction with farmers, supply of reading materials

Agril. Engg.: OFT -04

Crop	Cauliflower
Season	Rabi
Problem	Labour unavailability, weeding issue
Main cause	Migration of labours, Lack of mechanization
Title of OFT	Assessment of different weeding tools for Cauliflower in Rabi season
Farming situation	Soil type- Sandy loam, land type-upland, irrigation type-Irrigated, Previous crop-Paddy
Thematic area	Farm mechanization
Farmer practice	T1 – Farmers practice
Technology option selected for assessment	T2 – Weeding by Grubber T3 – Weeding by Wheel hoe
Source of technology	CIAE, Bhopal
No of trial	10
Detail of critical input	Grubber, Wheel hoe
Cost of individual critical input	Grubber cost Rs. 320/-, Wheel hoe- Rs. 3800/-
Total cost of critical input	Rs 4120/-
Performance indicator to be recorded	(i) Technical indicator: Theoretical field capacity (ha/hr), actual field capacity (ha/hr), field efficiency (%) Manpower reduction (man-days), weeding efficiency (%), Yield (q/ha) (ii) Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii) Farmer perception: Diagnostic field visit, one to one interaction with farmers, supply of reading materials

Plant Protection: OFT -05

Crop	Tomato
Season	<i>Rabi</i>
Main problem	Consistent attack of fruit borers causes significant yield loss
Main cause	The polyphagous pest <i>Helicoverpa armigera</i> larvae damages and bores fruits
Title of OFT	Assessment of insecticides for the management of tomato fruit borer
Farming situation	Soil type- Sandy loam, land type-upland, irrigation type-Irrigated previous crop-Rice
Thematic area	Integrated pest management
Farmer practice	FP – Application of Chlorpyrifos 20 EC @2ml/litre

Technology option selected for assessment	TO1: - Spray azadirachtin 1% (10000 ppm) neem based EC @ 400-600 ml in 200 l of water/acre or azadirachtin 5% W/W neem extract concentrate @ 80 g in 160 l of water/acre - Spray of HaNPV @ 250 LE /ha - Spray with flubendiamide 20% WG @ 40 g in 150-200 l of water/acre. TO2: - Transplantation of 20-25 day old Tomato and 45-50 day old Marigold simultaneously in a pattern of one row of marigold for every 16 rows of tomato. - Apply Neem cake @ 25 Kg/Ha to ridges at 20-25 DAP - Spray Ha NPV @250 LE/Ha with 1% Jaggery at 28, 35 and 42 days after planting Application of lambda-cyhalothrin 4.9% CS @ 120 ml in 200 l of water/acre or Chlorantraniliprole 18.5% SC @ 60 ml in 200l of water/acre
Source of technology	NCIPM & IIHR (2016)
No of trial	10
Detail of critical input	Azadirachtin 10000 ppm, HaNPV, Indoxacarb 14.5% SC, Neem Cake, Lambda-cyhalothrin 4.9% CS
Cost of individual critical input	Rs. 2400
Total cost of critical input	Rs. 24000/ha
Performance indicator to be recorded	(i)Technical indicator: Pest incidence, No. of infected fruit/plant, No. of larvae/fruit, Yield (kg/plant) (ii)Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii)Farmer perception: Diagnostic field visit, one to one interaction with farmers, supply of reading materials

Plant Protection: OFT -06

Crop	Rice
Season	<i>Kharif</i>
Main problem	Low yield of paddy due to attack of sheath blight disease
Main cause	The soil borne fungal pathogen <i>Rhizoctonia solani</i>
Title of OFT	Assessment of fungicides for the management of Sheath blight of Rice
Farming situation	Soil type-Alluvial soil, land type- Low land, irrigation type-rainfed, season-Kharif, Previous crop- Moong
Thematic area	Integrated Disease Management
Farmer practice	T1: Spray of hexaconazole 5 EC
Technology option selected for assessment	T2: Spray of Propiconazole 13.9% + Difenconazole 13.9% EC @500ml/ha T3: Spray of Hexaconazole 5% + Validamycin 2.5% SC @500ml/ha (45 days after transplanting)
Source of technology	RPCA, Pusa; Annamalai University, Tamil Nadu
No of trial	10
Detail of critical input	Name of critical input

Cost of individual critical input	(Propiconazole 13.9% + Difenoconazole 13.9% EC)- Rs. 2000/lit, Hexaconazole 5% + Validamycin 2.5% SC L- Rs. 1000/Lit
Total cost of critical input	Rs 10000/ha
Performance indicator to be recorded	(i)Technical indicator: Disease Incidence, Disease severity, Yield (q/ha) (ii)Economic indicator: Cost of cultivation, Gross return, Net return, B:C ratio (iii)Farmer perception: Diagnostic field visit, one to one interaction with farmers, supply of reading materials

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 farmers/ demonstration.	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Mushroom	Plant Protection	Mushroom production	Pink Oyster (<i>Pleurotus djamor</i>)/ Pearl Oyster (<i>Pleurotus ostreatus</i>) mushroom	Rabi & 2026-27	20 units/farmer	20	1. Technical indicator- Disease incidence, Yield 2. Economic indicator – Net return 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
2	Capsicum	Plant Protection	Spraying <i>Metarhizium anisopliae</i> (1x10 ⁷ spores/ml)	Metarhizium anisopliae	Rabi & 2026-27	0.4 ha	10	1. Technical indicator- No. of both nymphs and adults on five randomly selected leaves per plant, No. of infested fruits/ branch, Yield 2. Economic indicator – Net return 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
3	Papaya	Horticulture	Improved & High Yielding Variety	Seedlings	Rabi & 2026-27	1 ha	30	1. Technical indicator- No. of fruit setting per plant

								2. Economic indicator – yield in quintal /ha and net return/ha 3. Farmer Feedback-Awareness, Training, Field visit, Farmers’ interaction
4	Turmeric	Horticulture	Improved & High Yielding Variety	Seedlings	Kharif & 2026	1 ha	30	1. Technical indicator- Plant height (cm), Yield (q/ha) 2. Economic indicator –Gross cost (Rs/ha), net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers’ interaction
5	Rice	Farm mechanization	Rice–Wheat Seeder	Rice–Wheat Seeder provided to farmers based on Custom hiring basis	Kharif & 2026	1 ha	15	1. Technical indicator- Yield (kg/ha), Field capacity, field efficiency 2. Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers’ interaction
6	Potato	Farm mechanization	Tractor-Drawn Potato Planter	Potato Planter provided to farmers based on Custom hiring basis	Rabi & 2026-27	2 ha	10	Technical indicator- Seed spacing (cm), depth of planting (cm), yield (kg/ha) 2. Economic indicator –Reduction in labour cost (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers’ interaction
7	Turmeric	Post-Harvest	Spice Processing	Spice mill	Rabi & 2026-27	03 unit	3	1. Technical indicator- Processing efficiency

		Management and Value Addition	and Value Addition using Spice Mill					(%), Output capacity (kg/hr), Quality of spice powder 2. Economic indicator – Cost of processing (Rs/unit) Gross return (Rs/unit) Net return (Rs/unit) Benefit-Cost (B:C) ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
8	Bio-fortified wheat varieties	Integrated crop management	DBW- 187, DBW- 316, Rajendra Gehu-4	Bio-fortified seeds	Rabi & 2026-27	2 ha	10	1. Technical indicator- Grain yield (kg/ha), Straw yield (kg/ha) 2. Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
9	Fodder grass (Berseem)	Feed management	Wardan	Seeds of fodder grass		2 ha	10	1. Technical indicator- Green fodder yield (kg/ha) 2. Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
				Total		23 units & 9.4 ha	138	

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	10	March, July, September, November, December, January	250
2	Field days	09	April, January, February, March	450
3	Media coverage	20	March, July, September, November, December, January	-
4	Training for extension functionaries	2	November, December	50

C. Details of FLD on Enterprises**(i) Farm Implements**

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Tractor-Drawn Potato Planter	Potato	Rabi 2026-27	10	2	Potato Planter provided to farmers based on Custom hiring basis	1. Technical indicator-Seed spacing (cm), depth of planting (cm), yield (kg/ha) 2. Economic indicator – Reduction in labour cost (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
Rice-Wheat Seeder	Rice	Kharif 2026	15	1	Rice-Wheat Seeder provided to farmers based on Custom hiring basis	1. Technical indicator-Yield (kg/ha), Field capacity, field efficiency 2. Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
Spice mill	turmeric	Rabi, 2026-27	03 unit	3	Spice mill	1. Technical indicator-Processing efficiency (%), Output capacity (kg/hr), Quality of spice powder

						2. Economic indicator – Cost of processing (Rs/unit) Gross return (Rs/unit) Net return (Rs/unit) Benefit-Cost (B:C) ratio 3. Farmer Feedback-Awareness, Training, Field visit, Farmers' interaction
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(ii) Livestock Enterprises

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

Details of all FLD in the given format

Horticulture: FLD-1

Title of FLD	Demonstration on high yielding variety of Papaya		
Season & Year	Kharif, 2026		
Main Problem	Disease outbreaks, especially viral diseases, poor access to quality plant material, and lack of knowledge about improved production techniques		
Main cause of problem	Not suitable climate and soil for papaya, low land area		
Full detail of farmer's Practice	Cultivation of local Variety of Papaya		
Full detail of technology to be demonstrated	Cultivation of high yielding variety of Papaya (var. Red Lady)		
Source of Technology with year	RPCAU, Pusa		
Name of the Technology	High yielding variety		
Thematic area	Fruit Production		
Name of villages	Manjhi, Dwadpur, Samhota, Dharhara, Sonversa, Dumri, Durgapur		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	2	No of farmers	30
Performance indicator	(I) Technical indicator- No. of fruit setting per plant (II) Economic indicator – yield in quintal /ha and net return/ha (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

Horticulture: FLD-2

Title of FLD	Demonstration on Scientific Cultivation of Turmeric (var. Rajendra Sonia) for higher productivity and profitability
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Season & Year	Kharif 2026–27		
Main Problem	Low yield in turmeric cultivation		
Main cause of problem	Use of local varieties, poor seed selection, imbalance nutrient management, improper spacing and lack of scientific crop management practices		
Full detail of farmer's Practice	Farmers are cultivating local turmeric varieties, irregular spacing, imbalance fertilizer application and inadequate plant protection measures, resulting in low yield.		
Full detail of technology to be demonstrated	Demonstration on improved turmeric cultivation using high yielding variety Rajendra Sonia, seed treatment, recommended spacing, balanced nutrient management, timely irrigation and pest and disease management for higher productivity		
Source of Technology with year	RPCAU, Pusa		
Name of the Technology	Improved Variety Rajendra Sonia		
Thematic area	Production and management technology		
Name of villages	Manjhi, Dwadpur, Samhota, Dharhara, Sonversa, Dumri, Durgapur		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	1 ha	No of farmers	30
Performance indicator	(I) Technical indicator- Plant height (cm), Yield (q/ha) (II) Economic indicator –Gross cost (Rs/ha), net return (Rs/ha), B:C ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

Agril. Engg.: FLD- 3

Title of FLD	Demonstration of Tractor-Drawn Potato Planter for Yield Enhancement and Cost Reduction		
Season & Year	Rabi Season 2026–27		
Main Problem	High labour requirement and uneven sowing in potato cultivation		
Main cause of problem	Traditional manual planting method leading to higher labour cost, improper spacing and delay in sowing		
Full detail of farmer's Practice	Farmers generally use manual method for potato planting which requires more labour, time and results in uneven seed placement and spacing		
Full detail of technology to be demonstrated	Use of tractor operated potato planter for uniform seed placement, proper spacing, fertilizer application and timely sowing with reduced labour requirement		
Source of Technology with year	CIAE, Bhopal		
Name of the Technology	Tractor-Drawn Potato Planter		
Thematic area	Farm mechnaization		
Name of villages	Dumri, Ekma, Manjhi, BhumiHara		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	2	No of farmers	10

Performance indicator	(I) Technical indicator- No. of tubers per square meter, plant height (cm), yield (kg/ha) (II) Economic indicator –Reduction in labour cost (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction
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Agril. Engg.: FLD- 4

Title of FLD	Demonstration on Mechanized Direct Seeding of Rice Using Rice–Wheat Seeder for Timely Sowing and Resource Conservation		
Season & Year	Kharif Season 2026		
Main Problem	High cost of transplanting, labour scarcity, and excessive water use in conventional puddled rice cultivation		
Main cause of problem	Dependence on manual transplanting, requirement of standing water, and delayed operations due to labour unavailability.		
Full detail of farmer's Practice	Farmers follow traditional puddled transplanting method which involves nursery raising, uprooting seedlings, puddling, and manual transplanting. This increases labour cost, water consumption, and delays timely sowing.		
Full detail of technology to be demonstrated	Direct seeding of paddy is done using a rice–wheat seeder without puddling. Pre-germinated or dry seeds are sown in rows under proper soil moisture conditions. The technology reduces water usage, labour requirement, and ensures timely sowing. It includes seed treatment, line sowing, herbicide application for weed control, and nutrient management		
Source of Technology with year	RPCAU, Pusa		
Name of the Technology	Direct Seeded Rice (DSR) using Rice–Wheat Seeder		
Thematic area	Farm Mechanization		
Name of villages	Ekma, Manjhi, Daudpur, Jalalpur		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	1 ha	No of farmers	15
Performance indicator	(I) Technical indicator- Yield (kg/ha), Field capacity, field efficiency (II) Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

Plant Protection: FLD -5

Title of FLD	Demonstration on Pink Oyster (<i>Pleurotus djamor</i>)/ Pearl Oyster (<i>Pleurotus ostreatus</i>) mushroom for livelihood securities		
Season & Year	Rabi, 2026		
Main Problem	Unavailability of pink oyster species quality mushroom spawn, lack of pink oyster production and processing techniques		
Main cause of problem	Limited access to quality spawn, inadequate infrastructure for post-harvest management, and challenges in supplying fresh mushrooms to distant markets		
Full detail of farmer's Practice	Unequal size of bags, contamination, improper moisture maintenance, misjudge of harvesting stage		

Full detail of technology to be demonstrated	Compost preparation, Casing treatment, Temperature and humidity control, use of chemical for check the infection		
Source of Technology with year	RPCAU, Pusa		
Name of the Technology	-		
Thematic area	Plant protection		
Name of villages	Manjhi, Daudpur, Karah, Dharhara, Affaur, Sonbersa, Bareja, Dumri, Durgapur		
Farming situation	-		
Area (ha)/Unit (No.)	20 units	No of farmers	20
Performance indicator	(I) Technical indicator- Disease incidence, Yield (II) Economic indicator – Net return (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

Plant Protection: FLD -6

Title of FLD	Demonstration of ecofriendly Management of thrips on Capsicum by Entomopathogen, <i>Metarhizium anisopliae</i>		
Season & Year	Rabi, 2026		
Main Problem	Yield loss due to damage by thrips, marketability of Capsicum		
Main cause of problem	Drying of leaves shows upward curling, both nymphs and adults suck the sap of newly formed leaves at the top. Heavy infestation leads to blackening and drying of leaves, deformed flower buds, irregular fruit bearing, unthrifty growth and severe reduction in fruit quality and yields.		
Full detail of farmer's Practice	Spraying of Imidachloprid 18.5 SL @ 0.5ml per litre		
Full detail of technology to be demonstrated	Biological control: Entomopathogenic Fungi: Spraying <i>Metarhizium anisopliae</i> (1x10 ⁷ spores/ml) oil-based formulation helps suppress the population which is effective and non-chemical, pesticide free, eco-friendly, conserves biodiversity with no phytotoxicity		
Source of Technology with year	NIPHM, Hyderabad		
Name of the Technology	-		
Thematic area	Plant protection		
Name of villages	Manjhi, Daudpur, Karah, Dharhara, Chapra, Sonbersa, Bareja, Dumri, Baniyapur, Jalapur		
Farming situation	-		
Area (ha)/Unit (No.)	10 units	No of farmers	10
Performance indicator	(I) Technical indicator- No. of both nymphs and adults on five randomly selected leaves per plant, No. of infested fruits/ branch, Yield (II) Economic indicator – Net return (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

FLD -7

Title of FLD	Demonstration of Bio- fortified wheat varieties		
Season & Year	Rabi Season 2026-27		
Main Problem	Nutritional imbalance due to everyday consumption of non-biofortified wheat varieties		

Main cause of problem	Continuous cultivation of non-biofortified wheat varieties due to non-availability of seeds of bio-fortified wheat varieties		
Full detail of farmer's Practice	HYV (HD 2967)		
Full detail of technology to be demonstrated	DBW- 187, DBW- 316, Rajendra Gehu-4		
Source of Technology with year	Indian Institute of Wheat and Barley Research, Karnal (2019 & 2023); Dr. RPCAU, Pusa (2021)		
Name of the Technology	Bio-fortified wheat varieties		
Thematic area	Integrated crop management		
Name of villages	Manjhi, Daudpur, Karah, Dharhara, Chapra, Sonbersa, Bareja, Dumri, Baniyapur, Jalapur		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	2 ha	No of farmers	10
Performance indicator	(I) Technical indicator- Grain yield (kg/ha), Straw yield (kg/ha) (II) Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

FLD -8

Title of FLD	Demonstration on Fodder grass (Berseem)		
Season & Year	Rabi, 2026-27		
Main Problem	Low availability of green fodder during rabi season leading to poor livestock productivity.		
Main cause of problem	Use of low-yielding local varieties Lack of awareness about improved fodder crops, Poor irrigation and crop management practices		
Full detail of farmer's Practice	Broadcasting of local berseem seed		
Full detail of technology to be demonstrated	Wardan		
Source of Technology with year	Indian grassland and fodder research institute , 2016		
Name of the Technology	Improved Production Technology of Berseem Fodder Crop		
Thematic area	Feed management		
Name of villages	Karah, Chapra, Sonbersa, Baniyapur, Jalapur		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	2 ha	No of farmers	10
Performance indicator	(I) Technical indicator- Green fodder yield (kg/ha) (II) Economic indicator – Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha), B:C ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

FLD -9

Title of FLD	Demonstration on Spice mill
Season & Year	Rabi, 2026-27
Main Problem	Low income from spices due to lack of processing and value addition at farmer level

Main cause of problem	Non-availability of small-scale processing units, Farmers selling raw produce at low prices, Lack of awareness about value addition, Poor post-harvest handling and processing		
Full detail of farmer's Practice	Spices (turmeric, chilli, coriander, etc.) sold in raw or unprocessed form, Traditional/manual grinding methods with low efficiency		
Full detail of technology to be demonstrated	Use of small-scale spice mill for grinding and processing		
Source of Technology with year	Indian Institute of Spices Research (ICAR-IISR), Kerala		
Name of the Technology	Spice Processing and Value Addition using Spice Mill		
Thematic area	Post-Harvest Management and Value Addition		
Name of villages	Baniyapur, Dumri		
Farming situation	Soil type-Alluvial soil, land type-Up land, irrigation type-Borewell, season-rabi, previous crop-Maize		
Area (ha)/Unit (No.)	03 unit	No of farmers	3
Performance indicator	(I) Technical indicator- Processing efficiency (%), Output capacity (kg/hr), Quality of spice powder (II) Economic indicator – Cost of processing (Rs/unit) Gross return (Rs/unit) Net return (Rs/unit) Benefit-Cost (B:C) ratio (III) Farmer Feedback- Awareness, Training, Field visit, Farmers' interaction		

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	No. of Course s	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	1	16	4	20	04	01	05	25
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	1	16	4	20	04	01	05	25

Thematic Area	No. of Course	No. of Participants						Grand Total
		Others			SC/ST			
	s	Male	Female	Total	Male	Female	Total	
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-
Natural farming	-	-	-	-	-	-	-	-
b) Fruits								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	16	4	20	04	01	05	25
Cultivation of Fruit	1	16	4	20	04	01	05	25
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
c) Ornamental Plants								
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
d) Plantation crops								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
e) Tuber crops								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
f) Spices								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management								
Soil fertility management	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-

Thematic Area	No. of Course s	No. of Participants						Grand Total
		Others			SC/ST			
	Male	Female	Total	Male	Female	Total		
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	16	4	20	04	01	05	25
Use of Plastics in farming practices	-	-	-	-	-	-	-	-
Production of small tools and implements	1	16	4	20	04	01	05	25
Repair and maintenance of farm machinery and implements	2	32	8	40	8	2	10	50
Small scale processing and value addition	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
VII Plant Protection								
Integrated Pest Management	01	16	4	20	4	1	5	25
Integrated Disease Management	01	16	4	20	4	1	5	25
Bio-control of pests and diseases	01	16	4	20	4	1	5	25
Production of bio control agents and bio pesticides	01	16	4	20	4	1	5	25
VIII Fisheries								
Integrated fish farming	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-
IX Production of Inputs at site								
Seed Production	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
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	12	192	48	240	48	12	60	300
(B) RURAL YOUTH								
Mushroom Production	1	16	4	20	4	1	5	25
Bee-keeping	1	15	5	20	5	0	5	25
Integrated farming	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming (Medicinal)	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	1	16	4	20	04	01	05	25
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	16	4	20	04	01	05	25
Nursery Management of Horticulture crops	1	16	4	20	04	01	05	25
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	1	16	4	20	04	01	05	25
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	1	16	4	20	04	01	05	25
Ornamental fisheries	-	-	-	-	-	-	-	-

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	1	16	4	20	04	01	05	25
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
TOTAL	8	127	33	160	33	7	40	200
(C) Extension Personnel								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	2	30	10	40	8	2	10	50
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	1	16	4	20	04	01	05	25
Protected cultivation technology	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	1	16	4	20	04	01	05	25
WTO and IPR issues	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Any other (Pl. Specify) Natural farming	1	16	4	20	04	01	05	25
Micro irrigation systems	1	16	4	20	04	01	05	25
TOTAL	6	94	26	120	24	6	30	150
G. Total	26	413	107	520	105	25	130	650

B) OFF Campus Note: 25 participants per training

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

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	48	12	60	12	03	15	75
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	1	16	4	20	04	01	05	25
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-
b) Fruits								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	16	4	20	04	01	05	25
Cultivation of Fruit	1	16	4	20	04	01	05	25
Management of young plants/orchards	1	16	4	20	04	01	05	25
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
c) Ornamental Plants								
Nursery Management	1	16	4	20	04	01	05	25
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	-	-	-	-	-	-	-	-

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Processing and value addition	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management								
Soil fertility management	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
IV Livestock Production and Management								
Dairy Management	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management /goat	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	16	4	20	04	01	05	25
Use of Plastics in farming practices	2	32	08	40	08	02	10	50

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Production of small tools and implements	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	3	48	12	60	12	03	15	75
Small scale processing and value addition	1	16	4	20	04	01	05	25
Post Harvest Technology	1	16	4	20	04	01	05	25
VII Plant Protection								
Integrated Pest Management	2	32	8	40	8	2	10	50
Integrated Disease Management	2	32	8	40	6	4	10	50
Bio-control of pests and diseases	2	32	8	40	6	4	10	50
Production of bio control agents and bio pesticides	2	32	8	40	8	2	10	50
VIII Fisheries								
Integrated fish farming	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-
IX Production of Inputs at site								
Seed Production	-	-	-	-	-	-	-	-
Planting material production (Horti.)	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-
Vermi-compost production (Horti.)	-	-	-	-	-	-	-	-
Organic manures production (A.S.)	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Formation and Management of SHGs(HS)	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths (Agro)	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
XI Agro-forestry								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems (Agro)	-	-	-	-	-	-	-	-
XII Others (Pl. Specify)								
TOTAL	24	384	96	480	92	28	120	600
(B) RURAL YOUTH								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-

Thematic Area	No. of Course s	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-
(C) Extension Personnel								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Any other (Pl. Specify)	-	-	-	-	-	-	-	-
TOTAL								
G. Total	24	384	96	480	92	28	120	600

C) Consolidated table (ON and OFF)

Thematic Area	No. of Course s	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Fema le	Total	Male	Female	Tota l	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	64	16	80	16	04	20	100
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	2	32	8	40	08	02	10	50
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-
Natural farming	-	-	-	-	-	-	-	-
b) Fruits								
Training and Pruning	1	16	4	20	04	01	05	25
Layout and Management of Orchards	2	32	8	40	08	02	10	50
Cultivation of Fruit	2	32	8	40	08	02	10	50
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
c) Ornamental Plants								
Nursery Management	1	16	4	20	04	01	05	25
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
d) Plantation crops								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
e) Tuber crops								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
f) Spices								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-

g) Medicinal and Aromatic Plants								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
IV Livestock Production and Management								
Dairy Management	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2	32	8	40	08	02	10	50
Use of Plastics in farming practices	2	32	08	40	08	02	10	50
Production of small tools and implements	1	16	4	20	04	01	05	25
Repair and maintenance of farm machinery and implements	5	80	20	100	20	5	25	125
Small scale processing and value addition	1	16	4	20	04	01	05	25
Post Harvest Technology	1	16	4	20	04	01	05	25
VII Plant Protection								
Integrated Pest Management	3	48	12	60	12	3	15	75
Integrated Disease Management	3	48	12	60	10	5	15	75
Bio-control of pests and diseases	3	48	12	60	10	5	15	75
Production of bio control agents and bio pesticides	3	48	12	60	12	3	15	75

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	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
XI Agro-forestry								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
Sponsored training	-	-	-	-	-	-	-	-
TOTAL	36	576	144	720	140	40	180	900
(B) RURAL YOUTH								
Mushroom Production	1	16	4	20	4	1	5	25
Bee-keeping	1	15	5	20	5	0	5	25
Integrated farming	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	1	16	4	20	04	01	05	25

Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	16	4	20	04	01	05	25
Nursery Management of Horticulture crops	1	16	4	20	04	01	05	25
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	1	16	4	20	04	01	05	25
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	1	16	4	20	04	01	05	25
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	1	16	4	20	04	01	05	25
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
TOTAL	8	127	33	160	33	7	40	200
(C) Extension Personnel								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	2	30	10	40	8	2	10	50
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	1	16	4	20	04	01	05	25
Protected cultivation technology	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	1	16	4	20	04	01	05	25
WTO and IPR issues	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Any other (Pl. Specify) Natural farming	1	16	4	20	04	01	05	25
Micro irrigation system	1	16	4	20	04	01	05	25

Total	6	94	26	120	24	6	30	150
G. TOTAL	50	797	203	1000	197	53	250	1250

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	09	300	150	450	0	0	0	300	150	450
Kisan Mela	01	300	200	500	5	5	10	305	205	510
Kisan Ghosthi	10	300	200	500	0	0	0	300	200	500
Exhibition	04	400	200	600	5	5	10	405	205	610
Film Show	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	2	150	50	200	0	0	0	150	50	200
Group meetings	24	200	100	300	5	5	10	205	105	310
Lectures delivered as resource persons	10	200	100	300	5	5	10	205	105	310
Newspaper coverage	54	-	-	-	-	-	-	-	-	-
Radio talks	2	-	-	-	-	-	-	-	-	-
TV talks	4	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	5	-	-	-	-	-	-	-	-	-
Advisory Services										
Scientific visit to farmers field	400	1000	500	1500	0	0	0	1000	500	1500
Farmers visit to KVK	220	3000	1000	4000	0	0	0	3000	1000	4000
Diagnostic visits	45	150	50	200	0	0	0	150	50	200
Exposure visits	5	300	200	500	0	0	0	300	200	500
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Celebration of important days (specify)	20	300	200	500	5	5	10	305	205	510
Krishi Mohostva	0	0	0	0	0	0	0	0	0	0
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	10	300	200	500	5	5	10	305	205	510
Pre Rabi workshop	10	300	200	500	5	5	10	305	205	510
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	710	5350	2350	7700	15	15	30	5365	2365	7730

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Rajendra bhagwati	150
	Ragi	Rajendra Mauda 1	07
	Wheat	Rajendra Genhu 4 DBW 222, DBW- 187	180
OILSEEDS	Rai/Mustard	Rajendra Suflam 1	48
PULSES	Lentil	IPL 220	08
	Pigeon pea	Rajendra Arhar 1	24
VEGETABLES	Potato	Kufri Sindhuri	100
OTHERS (Specify)	-	-	-

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
Fruits	Papaya	Pusa dwarf, Red lady	4000
	Mango	Allahabad safeda	3500
	Litchi	Shahi and Chiana	200
	Lemon	Ureca, Local	500
	Guava	Allahabad safeda, Lalit, Shweta, L-49	3000
	Jamun	Local	500
Spices			
Vegetables	Tomato	Arka rakshak	10000
	Brinjal	Pusa purple long & pusa purple round	10000
	Chilli	Kashi Aabha, Kashi Anmol	10000
	Cauliflower	Pusa Dipali	10000
	Cabbage	Pusa Ageti	10000
	Bottle gourd	Kashi Ganga	5000
	Bitter gourd	Kashi Urvashi	5000

Sl. No.	Crop	Variety	Quantity (Nos.)
	Sponge gourd	Pusa Sneh	5000
	Cucumber	Pusa Udai	5000
Forest species			
Ornamental crops	Marigold	Pusa Narangi & Pusa Basanti	5000
Medicinal & aromatic plants	Satawar	-	1000
	Lemon grass	-	1000
	Aloe vera	-	1000
	Mulethi	-	1000
	Kalmegh	-	1000
	Patharchur	-	1000
		Total	97,700.00

C) BIO-PRODUCT

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

D) LIVESTOCK

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

3.6 Literature to be Developed/Published

(A) KVK News Letter

Date of start :

Number of copies to be published : 05

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	01 by each scientist total -3
2	Technical reports	01
3	News letters	05
4	Training manual all discipline	3
5	Popular article	6
6	Extension literature	3
	Total	21

(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	News paper	Media coverage of different programme of KVK Saran	100
2	Whats app group, mobile app, Kisan sarthi	Different Agricultural technologies of KVK Saran	14

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

a. Brief introduction/Background: Scientific cultivation of improved variety of Papaya (Var.- *Red Lady*)

Papaya is an important fruit crop cultivated by farmers for higher income and nutritional security. However, farmers were obtaining low yield and profit due to use of local varieties, imbalanced fertilizer application, and lack of scientific crop management practices. To overcome these problems, KVK conducted demonstrations on improved cultivation technology of Papaya variety Red Lady at farmers' fields. The programme aimed to increase productivity, improve fruit quality, and enhance farmers' income through adoption of scientific cultivation practices.

b. Interventions/process:

The following improved technologies were demonstrated under the programme:

- Use of high yielding hybrid variety Red Lady.
- Raising healthy seedlings and proper transplanting techniques.
- Recommended spacing and nutrient management practices.
- Timely irrigation and intercultural operations.
- Scientific pest and disease management.
- Regular technical guidance, field monitoring, and farmer training by KVK scientists.

The demonstrations helped farmers understand the importance of scientific papaya cultivation for achieving higher productivity and better returns.

c. Output

The demonstrated technology significantly increased papaya yield and economic returns compared to farmers' existing practices.

Result	Yield (q/ha)	% changed in yield	Gross cost (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	B:C ratio
Farmers practice	645	-	445000	1612500	1167500	3.62
Technology demonstrated	985	52.7	485000	2462500	1977500	5.08

d. Outcomes

- Papaya yield increased by 52.7% over farmers' traditional practices.
- Net return increased substantially due to higher yield and better fruit quality.
- Farmers adopted improved cultivation technologies in larger areas after observing successful results.

- Awareness regarding hybrid papaya cultivation and scientific crop management improved among farmers.
- Neighboring farmers were motivated to adopt the demonstrated technology.

e. Impact

i) Social economic:

- Increased income improved the livelihood and economic condition of beneficiary farmers.
- Farmers gained confidence in commercial papaya cultivation using improved technologies.
- Additional employment opportunities were generated through crop management and harvesting activities.
- Improved profitability encouraged diversification towards high-value fruit cultivation.

ii) Bio-Physical:

- Balanced nutrient management improved soil fertility and crop health.
- Efficient irrigation and plant protection practices reduced crop losses.
- Improved cultivation practices enhanced fruit quality and productivity.
- Adoption of scientific technologies promoted sustainable fruit production systems in the area.

f. Good Action Photographs



a. Brief introduction/Background: Scientific cultivation of Mushroom Production

Mala Kumari, a farmer from the small village of Ghurahu Kothiya in Daryapur block of Saran district, belongs to a modest agricultural family. Earlier, her family depended on traditional farming practices such as wheat and paddy cultivation. Due to rising cultivation costs and low profits, the family struggled financially. In 2024, Krishi Vigyan Kendra Saran organized an awareness programme on button mushroom cultivation in her village. Inspired by the training and guidance provided by KVK scientists, she started mushroom cultivation as an enterprise.

b. Interventions/process:

To establish a successful mushroom production unit, Mala Kumari adopted several essential tools and equipment:

Available Resources and Inventory

- Refrigerator/Cold Storage Unit – Used to preserve harvested mushrooms and increase shelf life.
- Temperature and Humidity Meter – Helps maintain ideal growing conditions.
- Spray Machine – Maintains moisture and temperature inside the mushroom unit.

Technology and Innovation Adopted

Krishi Vigyan Kendra Saran played a crucial role in improving the post-harvest handling and marketing of mushrooms. Farmers were trained to wash button mushrooms using a solution containing 0.05% Potassium Metabisulphite (KMS), 0.5% Sodium Chloride, and 0.5% Calcium Chloride. This treatment reduces bacterial contamination and slows enzymatic activity, thereby extending the refrigerated shelf life of mushrooms up to five days.

With this innovation, Mala Kumari was able to transport mushrooms safely to distant markets such as Siliguri and Ranchi while maintaining quality. Inspired by the training and guidance provided by KVK scientists, Mala Kumari began her journey into mushroom production. KVK also regularly organizes training programmes on mushroom processing and value addition at her mushroom unit. Additionally, her products have been registered under FSSAI standards, helping her access better markets and build consumer trust.

Capacity Building and Institutional Support

Training Programme	Date & Duration	Venue
Types of Mushrooms and Their Production	18.01.2025 (5 Days)	KVK Saran
Mushroom Production and Its Technologies	21.07.2025 (5 Days)	KVK Saran

c. Output

Economic Analysis

Before Intervention (2024–25)

Enterprise	Area (Acre)	Production	Gross Income (₹)	Net Income (₹)
Oyster Mushroom	0.07	2.5 Quintals	40,000	20,000

Present Status (2025–26)

Enterprise	Area (Acre)	Production	Gross Income (₹)	Net Income (₹)
Button Mushroom	0.07	120 Quintals	4,00,000	1,92,000

Production Increase: 4700%

Income Increase: 1900%

d. Impact

The intervention transformed Mala Kumari into a successful mushroom entrepreneur. Her income and production increased significantly with the support of KVK Saran. The enterprise generated employment opportunities for local workers and landless farmers. She also started value-added products such as mushroom pickle and mushroom powder, which further improved her income. Her success has inspired many rural women and farmers to adopt mushroom cultivation as a profitable enterprise.

Contribution to Society and Farmer Community

Mala Kumari's journey demonstrates the importance of scientific guidance, training, and entrepreneurship in rural development. She motivates other farmers to adopt mushroom cultivation and contributes to employment generation in her village.

e. Good Action Photographs



Preparation of Mushroom Compost Using the Pipe Method



Condition of Grown Mushrooms



Condition of Grown Mushrooms



Cleaning of Harvested Mushrooms



Grading of Mushrooms



Packaging of graded mushrooms

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

- a) PRA
- b) Farmer group discussions
- c) Field level observations

Rural Youth

- a) PRA
- b) Farmer group discussions

c) Field level observations

In-service personnel

a) Group discussions

c) Field level observations

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

Sl. No.	Villages	Block	Year	Farm families (No.)	PRA conducted (No.)	No. of technologies (No.)	Suitable Technologies name	Impact		Constraints
								Production (q/ha)	Income (Rs./ha)	
1.	Manjhi purvi	Manjhi	2025	25	1	2	Raised bed QPM, ZT-Wheat	Raised bed QPM -82 q/ha, ZT-Wheat – 38 q/ha	82,480.00	NA
2.	Nanadpur	Manjhi	2025	30	1	2	Green manuring in rice, Zero	Green manuring in rice – 43	68,952.00	NA

Sl. No.	Villages	Block	Year	Farm families (No.)	PRA conducted (No.)	No. of technologies (No.)	Suitable Technologies name	Impact		Constraints
								Production (q/ha)	Income (Rs./ha)	
							tillage Wheat	q/ha, Zero tillage Wheat-39 q/ha		
3.	Bhumihara	Baniyapur	2025	45	1	2	Plastic mulching in tomato, Zero tillage Wheat	Plastic mulching in tomato – 305 q/ha, Zero tillage Wheat – 38 q/ha	2,05,000.00	NA
4.	Majhwaliya	Jalapur	2025	36	1	1	RCT in Wheat	41.0	38,785.00	NA
5.	Aphaur	Nagra	2025	25	1	1	Natural farming in ragi	Natural farming in ragi – 16 q/ha	47722.00	NA

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

1. Year of establishment : 2025

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil Testing and Fertilizers Recommendation kit (STFR)	01	84000.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	350	350	10	-
Water	-	-	-	-
Plant	-	-	-	-
Total	350	350	10	-

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	ATMA , Saran	Training, demonstration of agriculture and allied activities	-
2.	NABARD	Infrastructure development related to IFS	-

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	Training	Entrepreneur development	-
2	-	-	-

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	Clientel e	Title of the training programme	Duratio n 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											
25.02.2026	PF/FW	Scientific Cultivation of Cucurbitaceous vegetables	1	16	4	20	04	01	05	25	Februar y
29.6.2026	PF/FW	Establishment of new orchard	1	16	4	20	04	01	05	25	June
19.08.2026	PF/FW	Nursery raising of brinjal and tomato	1	16	4	20	04	01	05	25	August
11.09.2026	PF/FW	Scientific cultivation of Papaya	1	16	4	20	04	01	05	25	Septem ber
Livestock prod.											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Agril. Engg.											
20.2.2026	PF/FW	Care and maintenance of agricultural implements	1	31	1	32	4	0	4	36	Februar y
12.08.2026	PF/FW	Installation and maintenance of micro irrigation systems	1	16	4	20	04	01	05	25	August
30.10.2026	PF/FW	Care and maintenance of happy seeder machine	1	16	4	20	04	01	05	25	October

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		
20.11.2026	PF/FW	Importance of small tools for vegetable cultivation	1	16	4	20	04	01	05	25	November
Home Sc.											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Plant Protection											
17.03.2026	PF/FW	Sustainable pest and disease management in mango and litchi orchards	1	16	4	20	04	01	05	25	Mar
19.06.2026	PF/FW	Advances in integrated pest and disease control in paddy cultivation	1	16	4	20	04	01	05	25	June
20.11.2026	PF/FW	Eco-Friendly Integrated Management of Pests and Diseases in vegetables	1	16	4	20	04	01	05	25	Nov
30.12.2026	PF/FW	Comprehensive Integrated pest and disease management approaches for healthy potato and brinjal production	1	16	4	20	04	01	05	25	Dec
Fisheries											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Soil Health											
	PF/FW	-	-	-	-	-	-	-	-	-	-

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Durati on in days	No. of participants			Number of SC/ST			G. Total	Month of trainin g
				M	F	T	M	F	T		
Crop Production											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Horticulture											
11.02.2026	PF/FW	Scientific cultivation of cucurbit eceaes vegetables	1	16	4	20	04	01	05	25	Februar y
30.05.2026	PF/FW	Layout and establishment of new fruit orchards	1	16	4	20	04	01	05	25	May
06.06.2026	PF/FW	Cultivation of kharif season vegetables and their management	1	16	4	20	04	01	05	25	June
08.07.2026	PF/FW	Nursery raising of marigold	1	16	4	20	04	01	05	25	July
25.08.2026	PF/FW	Layout and preparation of kitche n gardening	1	16	4	20	04	01	05	25	August
05.10.2026	PF/FW	Care and management of Papaya	1	16	4	20	04	01	05	25	October

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		
04-11-2026	PF/FW	Nursery raising of onion	1	16	4	20	04	01	05	25	November
08.12.2026	PF/FW	Management of fruit crops during month of December	1	16	4	20	04	01	05	25	December
Live Stock Production.											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Agril. Engg.											
19.2.2026	PF/FW	Installation and maintenance of micro irrigation systems	1	16	4	20	04	01	05	25	February
29.04.2026	PF/FW	Maintenance of laser land leveller	1	16	4	20	04	01	05	25	April
30.05.2026	PF/FW	Importance of Direct Seeded Rice	1	17	0	17	5	0	5	22	May
21.09.2026	PF/FW	Importance of mulching for water saving in vegetable crops	1	16	4	20	04	01	05	25	September
14.10.2026	PF/FW	Uses of mulch for fruit production	1	16	4	20	04	01	05	25	October
11.11.2026	PF/FW	Repair and maintenance of Zero tillage machine for Rabi crop	1	16	4	20	04	01	05	25	November
18.12.2026	PF/FW	Value addition of high value crops	1	16	4	20	04	01	05	25	December
29.12.2026	PF/FW	Enhance the De-husking capacity of Maize by Maize sheller machine	1	16	4	20	04	01	05	25	December
Home Sc.											
	PF/FW	-	-	-	-	-	-	-	-	-	-
Plant Protection											
23.01.2025	PF/FW	Impact of pest and disease management on yield and quality of mustard and wheat	01	16	4	20	04	01	05	25	Jan
22.02.2025	PF/FW	Integrated approaches for managing major pests and diseases of in pigeon pea	01	16	4	20	04	01	05	25	Feb
07.04.2025	PF/FW	Modern techniques for pest and disease management in litchi	01	16	4	20	04	01	05	25	April
21.05.2025	PF/FW	Safe and Effective integrated disease management in green gram and maize	01	16	4	20	04	01	05	25	May
16.7.2025	PF/FW	Integrated pest and disease management in paddy crop	01	16	4	20	04	01	05	25	July
21.08.2025	PF/FW	Protecting banana crops through smart IPDM practices	01	16	4	20	04	01	05	25	Aug

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		
10.09.2025	PF/FW	Integrated pest management in cabbage & cauliflower	01	16	4	20	04	01	05	25	Sept
15.10.2025	PF/FW	Use and application of organic pesticides in Rabi crops	01	16	4	20	04	01	05	25	Oct
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		
Mushroom	Plant Protection	Scientific cultivation of different mushrooms	05	15	02	17	02	01	03	20	Aug
Honey bee	Plant Protection	Care and maintenance of honey bees	05	15	05	20	05	05	10	30	Nov
Agricultural Engg.	Agricultural Engg.	Repair and maintenance of farm machinery and implements	5	16	4	20	04	01	05	25	February
Agricultural Engg.	Agricultural Engg.	Value addition of fruits	3	16	4	20	04	01	05	25	November
Horticulture	Horticulture	Gardener	5	16	4	20	04	01	05	25	August
Horticulture	Horticulture	Protected cultivation of vegetable crops	3	16	4	20	04	01	05	25	September
Fish farming	Veterinary science	Scientific rearing of Fish	5	16	4	20	04	01	05	25	September
Poultry farming	Veterinary science	Scientific rearing of Poultry	5	16	4	20	04	01	05	25	October

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
				M	F	T	M	F	T		
On Campus											
03.10.2025	Plant Protection	Role of IPDM techniques in enhancing Productivity in <i>Kharif</i> crops	01	15	05	20	04	01	05	25	Oct
15.12.2025	Plant Protection	Integrated approaches for managing major	01	15	05	20	04	01	05	25	Dec

		pest and diseases in horticultural crops									
01.09.2026	Agricultural Engg.	Care and maintenance of farm machinery and implements	01	16	4	20	04	01	05	25	September
08.10.2026	Agricultural Engg.	Importance of Micro irrigation systems	01	16	4	20	04	01	05	25	October
25.09.2026	Horticulture	Rejuvenation of old orchards	01	16	4	20	04	01	05	25	September
05.04.2026	Horticulture	Natural Farming	01	16	4	20	04	01	05	25	November

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participant s			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

**Signature of Senior Scientist & Head
KVK SARAN BIHAR**