ACTION PLAN PROFORMA FOR THE KVKs.

(1st January to 31 December, 2025)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and Address of KVK	Telephone		E mail	Website
Krishi Vigyan Kendra, Agwanpur, Barh, Patna-803214	Office	FAX	patnakvk@gmail.com	www.patna.kvk4.in
	9931312288			

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

Address	Telephone		E mail	Website
	Office	FAX		
Bihar Agricultural University, Sabour, Bhagalpur- 813210			vcbausabour@gmail.com	www.bausabour.ac.in

1.2.b. Status of KVK website: Yes/No - Yes Date when the website last updated: - April 2025

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 : 06

b) No. of Printers : 05

c) Internet connection : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Reeta Singh		9931312288	patnakvk@gmail.com

1.4. Year of sanction: **August 1992 NIES (35)/92/KVK/AE-12 Dated 05th August 1992**

1.5. Staff Position (as on 1st January, 2025)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Matrix Lavel	Present Basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist & Head	Dr Reeta Singh	Senior Scientist & Head	Home Science	Level-13 (A)	1,56,900.00	09.07.2019	Permanent	OBC
2	Subject Matter Specialist	Dr. Mrinal Verma	Subject Matter Specialist	Agricultural Engineering	Level-11 R	1,01,100.00	25.07.2007	Permanent	Others
3	Subject Matter Specialist	Sri Rajeev Kumar	Subject Matter Specialist	Soil Science	Level-10	80,000.00	12.04.2012	Permanent	OBC
4	Subject Matter Specialist	Dr. Pushpam Patel	Subject Matter Specialist	Horticulture	Level-10	59,500.00	06.11.2023	Permanent	OBC
5	Subject Matter Specialist	Smt. Sangita Kumari	Subject Matter Specialist	Plant Breading & Genetics	Level-10	57,800.00	10.07.2024	Permanent	SC
6	Subject Matter Specialist	Vacant	Subject Matter Specialist	Vacant	-		-	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	Vacant	-		-	-	-

8	Programme Assistant	Dr. Prakash Chandra Gupta	Programme Assistant (LabTech.)	Plant Physiology	Level-06	52,000.00	12.11.2012	Permanent	OBC
9	Computer Programmer	Sri Akhilesh Kumar	Programme Assistant (Computer)	Computer	Level-06	50,500.00	22.05.2013	Permanent	OBC
10	Farm Manager	Vacant	Farm Manager	-	-		-	-	-
11	Assistant	Sri Mukesh Kumar	Assistant	MBA	Level-06	50,500.00	15.04.2013	Permanent	EBC
12	Stenographer	Sri Chandan Kumar	Stenographer	Graduation	Level- 04	36,400.00	26.06.2013	Permanent	OBC
13	Driver	Sri Kanhaiya kumar Rai	Driver	Matric	Level-03	30,200.00	14.05.2015	Permanent	OBC
14	Driver	Vacant	-	-	-		-	-	-
15	Supporting Staff	Bachhan Sah	Messenger cum Peon	8th Pass	Level-02	40,600.00	22.12.1992	Permanent	OBC
16	Supporting Staff	Vacant	-	-	-		-	-	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	0.3
3.	Under Crops	14.1
4.	Horticulture	4.0
5.	Pond	0.1
6.	Others if any (Road, Irrigation channel etc.)	1.0
	Total	**20.0**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		2000	505	-	-	-	-
2.	Farmers Hostel	ICAR		1999	305	-	-	-	-
3.	Staff Quarters	ICAR		Completed (PC) Completed Supporting Staff (2 Unit) SMS (2 Unit)	87 77 128	- -	- -	-	Needs to be repaired Abandoned Abandoned
4.	Demonstration Units (2)								
5	Fencing	ICAR		Completed	2830 Running meter				Need to be repaired

6	Rain Water harvesting system								
7	Threshing floor	ICAR		Completed	785				
8	Farm godown	ICAR		Completed	60				
9	Dairy unit	RKVY		Completed	40				
10	Poultry unit	RKVY		Completed	18				
11	Goatery unit	RKVY		Completed	18				
12	Mushroom Lab	ICAR		Completed	21				
13	Vermicompost production unit	ICAR		Completed	18				
14	Soil test Lab	ICAR		Completed	37				
15	DG Set Shed	ICAR		Completed	16				
16	Mushroom Production/ Demonstration Unit	ICAR		Completed	35				

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Motor cycle (BR01CQ9613)	2015	ICAR	59,452.00	3489 Km	Good condition
Motor cycle (BR01CQ9614)	2015	ICAR	59,452.00	4976 Km	Good condition
Tractor (BR01GD5837)	2014	ICAR	6,65,000.00	307.7 hr.	Good condition
Tractor, 65 HP (CRA)	2021	CAR	941953.60	102.9 hr.	Good condition
Tractor 55 HP	2021	New Holland	Sponsored by the company	114.1 hr.	Good condition
Bolero (BR01JM1322)	2025	ICAR	9,04,738.00	-	New

C) Equipment's & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Farm Machinery				

b. AV Aids (i) Podium	2013-14	31290.00	Working	ICAR
(ii) Audio aid	2013-14	17128.00	Working	ICAR
Photostat Copier machine with accessories	31.03.2016	96,173.00	Working	RKVY
Desktop Computer + Laptop HP	31.03.2016	82,583.00	Working	ICAR
CCTV	31.03.2016	21,000.00	Working	ICAR
LED flood light with stand	31.03.2016	6,500.00	Working	ICAR
Sound System	31.03.2016	30,165.00	Working	ICAR
Handy Cam	31.03.2016	82,871.00	Working	ICAR
Camera	17.01.2016	14,199.00	Working	ICAR
LED TV	16.03.2016	72,700.0	Working	ICAR
LED TV	12.09.2016	27200.00	Working	ICAR
Generator DG set	31.08.2016	3,94,134.00	Working	ICAR
Projector	31.03.2016	52,000.00	Working	ICAR
Water Cooler + Water purifier	12.09.2016	59,500.00	Working	ICAR
Panasonic LED	12.09.2016	27,200.00	Working	ICAR
Vacuum cleaner	12.09.2016	9,950.000	Working	ICAR
Still Photography Camera (Canon)	12.09.2016	29,600.00	Not Working	ICAR
External Hard Drive	12.09.2016	5600.00	Working	ICAR
Fire extinguisher Cylinder	12.09.2016	9,649.00	Working	ICAR
Autoclave	14.12.2012	57,000.00	Working	ICAR
Hot air oven	14.12.2012	64,500.00	Working	ICAR
BOD Incubator	22.12.2012	1,49,510.00	Working	ICAR
Laminar air flow	02.12.2012	97,670.00	Working	ICAR
Auto clave	10.02.2018	80000.00	Working	BSDM

Computer (Lenovo)	25.01.2018	49950.00	Working	CSISA Project
HP Color Printer	25.01.2018	14700.00	Working	CSISA Project
Hard Disk	25.01.2018	14990.00	Working	CSISA Project
Computer (HP)	30.03.2019	77499.00	Working	BSDM
Computer (Lenovo)	24.12.2021	91700.00	Working	IRRI

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

Sl. No.	Date
1. Scientific Advisory Committee	21.03.2025

Suggestions of SAC meeting

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+ livestock+ others)	Major soil types
1	AES 1 (Tal area)	Mono cropped (Pulses)+Dairy	Heavy textured soil
2	AES 2 (Diara Area)	Maize/sorghum- Wheat+ Dairy	Light textured soil
3	AES 3 (Jalla Area)	Rice- Wheat - Onion+ Dairy	Heavy textured
4	AES 4 (Irrigated Plain)	Rice- Wheat- Green gram+ Dairy	Sandy loam soil
5	AES 5 (Rainfed Plain)	Rice- Wheat- Green gram +Dairy	Sandy loam soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1	AES 1 (Tal area)	Saucer like topography	Harohar river drainage.
2	AES 2 (Diara Area)	Undulating landscape with numerous active and inactive channels	Water recedes after flood in Ganga River
3	AES 3 (Jalla Area)	Alluvial flat expanse	Drainage to Punpun river
4	AES 4 (Irrigated Plain)	Flat topography	Easy drainage
5	AES 5 (Rainfed Plain)	Mix of slopes and depressions	Drainage through channels

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES 1 (Tal area)	Water logging, Drainage of water, poor irrigation facility	1
2.	AES 2 (Diara Area)	Water logging till October, light soil	1
3.	AES 3 (Jalla Area)	Water logging due to encroachment of natural drainage system	2
4.	AES 3 (Irrigated Plain)	Inconsistent water management in droughts and flood	2
5.	AES 3 (Rainfed Plain)	Water scarcity and unreliable rainfall	1

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1	Paddy	74219.0	265175	35.73	10.27	-4
2	Wheat	70360.0	238067	33.84	12.66	-9.5
3	Maize (Kharif)	3673.0	7453	20.29	38.31	-21.4
4	Maize (rabi)	762.0	3884	50.97	31.43	-11.6
5	Maize (Summer)	1505.0	5277	35.06		
6	Lentil	29480.0	26060	8.84	8.26	-0.9
7	Gram	6386.0	8014	12.55	3.21	-9.24
8	Lathyrus	9119.0	8772	9.62	9.18	2.08
9	Pea	2091.0	2212	10.58	5.39	-6.03
10	Mustard	4223.0	4426	10.48	7.32	-7.2
11	Green gram	910.0	499	5.48	4.72	-1.8
12	Arhar	989.0	1799	18.19	-3.89	-3.7
13	Potato	10185	23832.9	23400.0	34	-82
14	Barley	200.0	336	16.79	19.59	-13.62
15	Linseed	90.0	77	8.53	1.57	-6.9

Source: District Agriculture Department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	January		19.66	8.48	62.41	31.38
2023	February		28.04	13.43	62.32	31.96
2023	March	1	32.99	16.95	56.20	26.00
2023	April	1.5	38.44	21.71	35.97	13.77
2023	May	7.08	38.27	22.83	50.82	18.75
2023	June	207.62	39.63	25.08	52.14	22.75
2023	July	114	34.57	25.42	73.35	46.00
2023	August	116.3	32.91	26.35	85.68	54.90
2023	September	77.96	34.36	26.75	83.93	52.86
2023	October	13.75	32.69	23.10	81.21	49.66
2023	November		30.36	17.16	67.93	33.00
2023	December	3.5	25.90	13.42	81.29	34.84
2024	January	0	18.66	9.48	61.39	30.89
2024	February	0	28.59	13.01	62.32	31.96
2024	March	1	32.99	16.95	56.20	26.00
2024	April	1.5	38.44	21.71	35.97	13.77
2024	May	7.08	38.27	22.83	50.82	18.75
2024	June	107	39.63	24.08	51.14	23.79
2024	July	167	34.57	25.42	73.35	46.00
2024	August	115	32.91	26.35	84.68	52.90
2024	September	77.96	34.36	26.75	83.93	52.86
2024	October	12.55	32.69	23.10	81.21	48.66

2024	November	0	30.36	17.16	67.93	33.00
2024	December	0	27.87	13.42	81.29	34.84
Total		**1031.8**				

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo + Cow	751615			
Sheep	-			
Goats	23653			
Cattle				
Crossbred				
Indigenous				
Pigs				
Poultry				
Hens	597470			
Desi				
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)	-	-	-	-

*Statical report

2.5 Details of Operational area / Villages

Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
Athmalgola	Athmalgola	Chanda	Rice, Pulses, Green gram	• Availability of quality seed in proper time • Availability of seeding machinery • More use of insecticide and pesticide at higher dose • lesser and no use of potassic fertilizer	• INM • IPM • Mechanization
		Usmanpur	Maize, Wheat, Mustard, Pulses and Sorghum		
		Fulelpur	Maize, Wheat, Mustard, Pulses and Sorghum		
		Kalyanpur	Wheat, Rice, Pulses		
		Jamalpur	Rice, Wheat, Pulses, Mustard		
		Kamrapar	Rice, Wheat, Pulses, Mustard		
		Rupas	Rice, Wheat, Pulses, Mustard		
		Sabnima	Rice, Wheat, Pulses, Mustard		
		Teenpaitola	Rice, Wheat, Pulses, Mustard		
		Ramnagar Diyara	Rice, Wheat, Pulses, Mustard		
Danapur	Danapur	Makhdumpur	Rice, Wheat, Pulses, Mustard		
		Lodipur Chandmari	Rice, Wheat, Pulses, Mustard		
Barh	Barh	Agwanpur	Rice, Wheat, Pulses, Mustard		
		Ranabigha	Rice, Wheat, Pulses, Mustard		
		Soima	Rice, Wheat, Pulses, Mustard		
		Sadikpur	Rice, Wheat, Pulses, Mustard		
		Hasan Chak	Rice, Wheat, Pulses, Mustard		
		Neemchak	Rice, Wheat, Pulses, Mustard		
		Saidpur	Rice, Wheat, Pulses, Mustard		
		Bahrawan	Rice, Wheat, Pulses, Mustard		
		Purai Bagh	Rice, Wheat, Pulses, Mustard		
Mokama	Mokama	Mor	Fallow, Lentil, Chickpea/ Mustard		
		Moldiyar Tola Nagar	Fallow, Lentil, Chickpea/ Mustard		
		Sultanpur	Fallow, Lentil, Chickpea/ Mustard		
		Moldiar Tola	Fallow, Lentil, Chickpea/ Mustard		
Pandarak	Pandarak	Chak Jalal	Wheat, Rice, Lentil, Chickpea/ Mustard		

		Chintaman chak	Wheat, Rice, Lentil, Chickpea/ Mustard		
		Manjhala Bigha	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Dhabhama	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Paindachak	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Sarhan	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Imadpur	Rice, Wheat, Lentil, Chickpea/ Mustard		
Belchi	Belchi	Murtujapur	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Rasbag	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Moglani	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Andauli	Rice, Wheat, Lentil, Chickpea/ Mustard		
		Tilhar	Rice, Wheat, Lentil, Chickpea/ Mustard		
Ghoswari	Ghoswari	Tartar	Paddy, Lentil, Chickpea/ Mustard		
Khusrupur	Khusrupur	Chotki Nawada	Rice, Wheat, Lentil, Chickpea/ Mustard		
Fatuha	Fatuha	Kharfar	Rice, Wheat, Lentil, Chickpea/ Mustard		

2.6 Top five major priority thrust areas:

S. No	Thrust area
1.	Yield Increment in Pulses and Oilseeds
2.	Integrated Nutrient Management & Integrated Pest Management.
3.	Income generation through Mushroom, Vermicompost, IFS and food processing
4.	Crop Diversification in Kharif
5.	Farm Mechanization & drudgery reduction

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)	No of enterprises	Number of Farmers
05	44	26.5		125

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
111	2615	300	10000

Seed Production (q)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
350.0	10000	0	1000

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		Bottle gourd		Assessment of Different Sowing Machines for sowing of pulses in Tilled field condition	Integrated Nutrient Management in Bottle gourd	Nutrient management in cucurbitaceous vegetable crops	Advantages of green manuring in soil fertility management	Field Visit, Field Day	Seed
2		Maize		Assessment of different Sowing methods of Rabi Maize	Importance of Zinc nutrition in Paddy cultivation	Commercial Cultivation of Exotic Vegetables: Broccoli, Lettuce, and Cherry Tomato	Micronutrient deficiency in different crops and their management	Field Visit, Field Day	Seed
3				Assessment of soil application of Sulphur on growth, yield and economics of Mustard	Importance of Boron nutrition in Cauliflower cultivation	Use and advantages of micro irrigation	Difference between seed and grain and importance of quality seed in crop production	Field Visit, Field Day	sulphur
4				Assessment of bio-fertilizer on growth and yield of Mango (cv. Amarpali)	Importance of Sulphur nutrition in Mustard cultivation	Seed types and seed certification process	Processing of Dal	Field Visit, Field Day	Biofertilizer
5				Assessment of different mulching material in mango (cv. Amarpali)		soil fertility management by inclusion of green gram in cropping system	Low-Cost Shade Net Houses for Small and Marginal Farmers	Field Visit, Field Day	Mulch

3.1 Technologies to be assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1				1				
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries			2							
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology						1				
Small Scale income generating enterprises										
TOTAL		**1**	**2**			**2**				**5**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	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

Crop	Lentil
Season	Rabi
Main problem	In Patna district Lentil is cultivated in an area of 46135 ha and the productivity is 12.9 q/ha (Potential yield 15-20q/ha) whereas the cultivated area under Chickpea is 28000 ha and productivity is 14.80q/ha(18-20q/ha). Therefore, an attempt to address this problem On Farm Trial has been designed to increase the productivity and profitability in pulses production adopting mechanization.
Main cause	The sowing method of the pulses is broadcasting resulting low yield.
Title of OFT	Assessment of Different Sowing Machines for sowing of pulses in Tilled field condition
Farming situation	Soil type- Heavy Clay Irrigation type- Irrigated, Season- Rabi, Previous crop- Paddy
Thematic area	Farm Mechanization
Farmer practice	T1 (Broadcasting in tilled condition)
Technology option selected for assessment	T2- Sowing by Multi crop Planter in Tilled Condition T3- Sowing by Seed Drill in Tilled Condition
Source of technology	CIAE, Bhopal, PAU, Ludhiana
No of trial	10 (Total area for field crops 1.0 ha and for vegetable 0.4 ha)
Detail of critical input	Machine
Cost of individual critical input	Rs. 2000.00
Total cost of critical	Rs. 20000.00/ha

input	
Performance indicator to be recorded	(i) Technical indicator -No. of plant/$m^{2,}$ Yield (Q/ha), Field Capacity and Field Efficiency (ii) Economic indicator- Cost of cultivation, Gross return, Net return, B:C ratio iii)Farmer perception

Crop	**Maize**
Season	Rabi
Main problem	Maize is cultivated in 10,060 ha area and average yield is 35.71 q/ha. Generally, farmers sow maize by broadcasting method in which plant geometry is not maintained resulting lower yield. Weeding is not possible mechanically in broadcasting method.
Main cause	In broadcasting method seed rate is more
Title of OFT	Assessment of different Sowing methods of Rabi Maize
Farming situation	Soil type- Heavy Clay Irrigation type- Irrigated, Season- Rabi, Previous crop- Paddy
Thematic area	Use of Agricultural Machineries
Farmer practice	T1 (Broadcasting, Seed Rate-30-35 Kg/ha)
Technology option selected for assessment	T2- Line Sowing (25-30 kg/ha) T3- Raised Bed Planting (20-25 kg/ha)
Source of technology	CIAE, Bhopal
No of trial	10 (Total area for field crops 1.0 ha and for vegetable 0.4 ha)
Detail of critical input	Machine, Labourer
Cost of individual critical input	Rs. 1500
Total cost of critical input	Rs. 15000 /ha
Performance indicator to be recorded	(i) Technical indicator -No. of plants/m^2, No of Cobs/Plant, No of grains, Field Capacity and Efficiency (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) iii) Farmer perception
Crop	**Mustard**
Season	Rabi
Main problem	In Patna district mustard is cultivated in an area of 4223 ha and the productivity is 10.48 q/ha. The soil of the Patna district (60%) is deficient in Sulphur. Therefore, an attempt to address this problem On Farm Trial has been designed to increase the productivity and profitability in mustard cultivation

Main cause	Low Sulphur status in soil and no application of Sulphur by the farmer
Title of OFT	Assessment of soil application of Sulphur on growth, yield and economics of Mustard
Farming situation	Sandy Loam, Irrigated previous crop- Maize/ Paddy
Thematic area	Soil fertility management
Farmer practice	T1 - RDF i.e 80:40:40 N: P2O5:K2O (BAU, Sabour, Bhagalpur)
Technology option selected for assessment	T2- RDF + Bentonite Sulphur @20Kg/ha + seed dressing with Azotobacter @5ml /Kg seed T3- RDF + Bentonite sulphur @20Kg/ha + seed dressing with PSB @5ml /Kg seed
Source of technology	DRMR, Bharatpur, Rajsthan
No of trial	10
Detail of critical input	Seed and Sulphur
Cost of individual critical input	Seed- Rs. 450, Bentonite Sulphur Rs. 250, PSB-Rs. 50, Azotobacter- Rs. 50
Total cost of critical input	Rs. 800.0
Performance indicator to be recorded	(I) Technical Indicator: Soil test value of Sulphur, No. of Branch/plant, No. of siliqua/ branch, yield (q/ha) (II) Economic indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio (III) Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application

Crop	**Mango**
Season	Kharif
Main problem	Poor flowering and fruit set
Main cause	Improper nutrient management
Title of OFT	Assessment of bio-fertilizer on growth and yield of Mango (cv. Amarpali)
Farming situation	Soil type : Sandy loam Land type : Upland Irrigation type : Ring Basin
Thematic area	Integrated nutrient management
Farmer practice	T1 (50 Kg FYM per plant)
Technology option selected for assessment	T2- Arka mango special spray 5gm/lit (two times) Time of foliar spray : First spray- October- November, Second spray- February - March T3- ½ dose of RDF (N:P:K:: 500:250:250 gm/tree)+ 50 Kg FYM + Azospirillum culture (250g/tree) Time of application : August – September

Source of technology	IIHR, Banglore and AICRP, Sabour
No of trial	7 farmers
Detail of critical input	Biofertilizer (Arka mango special)
Cost of individual critical input	Rs. 450
Total cost of critical input	Rs. 3150.00
Performance indicator to be recorded	Technical indicator: Numbers of fruits per plant, Fruit weight (g), Yield/plant (kg)) Economic indicator (cost of cultivation, gross return, net return, B:C ratio) Farmer perception

Crop	**Mango**
Season	Kharif
Main problem	Heavy weed infestation leads Poor flowering
Main cause	Excessive weed growth leads to loss of soil moisture and reduce soil fertility which ultimately affect the flowering and fruiting.
Title of OFT	Assessment of different mulching material in mango (cv. Amarpali)
Farming situation	Soil type : Sandy loam Land type : Upland Irrigation type : Ring Basin
Thematic area	Resource conservation technology
Farmer practice	T1 -No mulching/Litter fall of tree
Technology option selected for assessment	T2-Mulch with same tree leaves (Thickness of mulch-15-20cm) T3- Mulch with paddy straw (Thickness of mulch-15-20cm) T4- Mulch with Tephrosia leaf (Thickness of mulch-15-20cm)
Source of technology	IIHR (2021)
No of trial	7 farmers
Detail of critical input	Mulching material (Paddy straw and Tephrosia seed)
Cost of individual critical input	Rs. 1800
Total cost of critical input	Rs. 12600
Performance indicator to be recorded	Technical indicator: Numbers of fruits per plant, Fruit weight (g), Yield/plant (kg)) Economic indicator: (cost of cultivation, gross return, net return, B:C ratio) Farmer perception :

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Bottle Gourd	Integrated Nutrient Management	Seed treatment, Balanced fertilizer application and Micronutrient application as per soil test.	Boron and Zinc	Kharif 2025	01	10	(I) Technical indicator- No. of fruits per plant, fruit yield (Q/ha) (II) Economic Indicator: Net return (Rs/ha) and B:C ratio (III) Farmer Feedback- Low profitability in Bottle gourd cultivation
2	Paddy	Soil fertility management	Importance of Zinc nutrition in Paddy cultivation	Zinc	Kharif 2025	08	20	(I) Technical Indicator- Soil test value of Zinc, No. of effective tiller/m2, No. of filled grain/ Panicle, Grain yield (q/ha) (II) Economic Indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio. (III) Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application.
3	Cauliflower	Micro nutrient deficiency in crops	Importance of Boron nutrition in Cauliflower cultivation	Boron	Rabi 2025	04	10	(I) Technical Indicator- Soil test value of Boron, No. of normal curd, no. of affected curd, yield (q/ha). (II) Economic Indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio.

								(III)	Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application.
4	Mustard	Soil Fertility Management	Importance of Sulphur nutrition in Mustard cultivation	Sulphur	Rabi 2025	12.5	50	(I) (II) (III)	Technical indicator- Soil test value of Sulphur, No. of Branch/plant, No. of siliqua/ branch, yield (q/ha) Economic Indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio. Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application
				Total					

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	January, March, October, December	110
2	Field days	3	April, July, November	320
3	Media coverage	5	November, December	
4	Training for extension functionaries	3	August, September, October	60

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

Details of all FLD in the given format

Title of FLD	Demonstration on use of micronutrient (Boron & Zinc) in Bottle Gourd hybrid for yield and profitability		
Season & Year	Kharif 2025		
Main Problem	Low yield		
Main cause of problem	Poor soil nutrient status particularly Boron and Zinc leads to poor fruit set and low yield		
Full detail of farmer's Practice	Use of Varad Variety, application of NPK @ RDF (N: P2O5:K2O:100:60:60), No use of micronutrient either soil or foliar spray		
Full detail of technology to be demonstrated	Use of 3 foliar spray of Boron @0.02% & Zinc 0.05% at 15 days interval		
Source of Technology with year	BAU, Sabour, Bhagalpur		
Name of the Technology	Micronutrient Management in Vegetable Crops		
Thematic area	INM		
Name of villages	Pandarak. Rawaich and Nawada		
Farming situation	Upland, Irrigated		
Area (ha)/Unit (No.)	1 hectare	No of farmers	10 farmers
Performance indicator	(I) Technical indicator- No. of fruits per plant, fruit yield (Q/ha) (II) Economic indicator: Net return (Rs/ha) and B:C ratio (III) Farmer Feedback- Low profitability in Bottle gourd cultivation		

Title of FLD	Demonstration on application of Zn on yield and economics of Paddy
Season & Year	Kharif 2025
Main Problem	Low yield of paddy due to poor zinc status of soil
Main cause of problem	No application of zinc by the farmer
Full detail of farmer's Practice	Use of N: P2O5:K2O @ 120:60:40 Kg/ha
Full detail of technology to be demonstrated	Application of RDF i.e N:P2O5 @120:60:40 + Zinc sulphate @ 25 Kg/ha
Source of Technology with year	BAU, Sabour, Bhagalpur

Name of the Technology	Importance of Zinc nutrition in Paddy cultivation		
Thematic area	Soil fertility management		
Name of villages	Chakjalal, Pandarak		
Farming situation	Low land, Irrigated		
Area (ha)/Unit (No.)	8 hectare	No of farmers	20 farmers
Performance indicator	(I) Technical indicator- Soil test value of Zinc, No. of effective tiller/m2, No. of filled grain/ Panicle, Grain yield (q/ha) (II) Economic indicator : Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio (III) Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application		

Title of FLD	Demonstration on application of Boron on yield and economics in Cauliflower cultivation		
Season & Year	Rabi 2025		
Main Problem	Poor curd quality due to no application of Boron in cauliflower		
Main cause of problem	No application of Boron by the farmer		
Full detail of farmer's Practice	Application of RDF i.e N:P2O5:K2O @120:80:60		
Full detail of technology to be demonstrated	Application of RDF i.e N:P2O5: K2O @120:80:60 + Borax@ 10 Kg/ha		
Source of Technology with year	BAU, Sabour, Bhagalpur		
Name of the Technology	Importance of Boron nutrition in Cauliflower cultivation		
Thematic area	Micro nutrient deficiency in crops		
Name of villages	Dhibar & Chaknawada		
Farming situation	Upland, Irrigated		
Area (ha)/Unit (No.)	4 ha	No of farmers	10 farmers
Performance indicator	(I) Technical indicator- No. of normal curd, no. of affected curd, yield (q/ha) (II) Economic Indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio (III) Farmer Feedback- Low crop yield even after balanced N : P2O5: K2O application		

Title of FLD	Demonstration on application of Sulphur on yield and economics in Mustard cultivation		
Season & Year	Rabi 2025		
Main Problem	Poor mustard yield due to no application of Sulphur in Mustard		
Main cause of problem	No application of Sulphur in mustard cultivation by the farmer		
Full detail of farmer's Practice	Application of RDF i.e N: P2O5:K2O @80:40:40		
Full detail of technology to be demonstrated	Application of RDF i.e N: P2O5: K2O @ 80:40:40 + Sulphur@20 Kg/ha		
Source of Technology with year	BAU, Sabour, Bhagalpur		
Name of the Technology	Importance of Sulphur nutrition in Mustard cultivation		
Thematic area	Soil Fertility Management		
Name of villages	Dhibar & Chaknawada		
Farming situation	Upland, Irrigated		
Area (ha)/Unit (No.)	12.5 hectare	No of farmers	50 farmers
Performance indicator	(I) Technical indicator- Soil test value of Sulphur, No. of Branch/plant, No. of siliqua/ branch, yield (q/ha) (II) Economic indicator: Cost of cultivation (Rs/ha), Net Return (Rs. /ha), B:C Ratio (III) Farmer Feedback- Low crop yield even after balanced N: P2O5: K2O application		

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

A) ON 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								
Cropping Systems	2	29	18	47	3	3	6	53
Crop Diversification	1	21	12	33	2	1	3	36

Integrated Farming								
Water management								
Seed production	1	18	11	29	2	1	3	32
Nursery management								
Integrated Crop Management	1	20	11	31	2	2	4	35
Fodder production								
Production of organic inputs								
Others, if any								
II Horticulture								
a) Vegetable Crops								
Integrated nutrient management								
Water management								
Enterprise development								
Skill development								
Yield increment	2	34	18	52	8	3	11	63
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	10	9	19	3	3	6	25
Export potential vegetables	1	10	9	19	3	3	6	25
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Training and Pruning								
Others, if any								
b) Fruits								
Layout and Management of Orchards	1	10	9	19	3	3	6	25
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
Others, if any								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								

Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
Others, if any								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
Others, if any								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
Others, if any								
f) Spices								
Production and Management technology								
Processing and value addition								
Others, if any								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
Others, if any								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	1	14	3	17	2	1	3	20
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	1	20	2	22	3	0	3	25
Nutrient Use Efficiency								
Soil and Water Testing								

Others, if any	4	78	15	93	12	5	17	110
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management								
Feed management								
Production of quality animal products								
Others, if any								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	31	5	36	11	3	14	50
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	14	5	19	5	1	6	25
Storage loss minimization techniques								
Enterprise development	1	13	7	20	4	1	5	25
Value addition	1	18	4	22	2	1	3	25
Income generation activities for empowerment of rural Women	1	15	4	19	4	2	6	25
Location specific drudgery reduction technologies								
Rural Crafts								
Capacity building	1	14	6	20	3	2	5	25
Women and child care								
Others, if any								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	16	6	22	2	1	3	25

Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
Others, if any								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Others, if any								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture & fish disease								
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								

Fish processing and value addition								
Others, if any								
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								
Others, if any								
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								
Others, if any								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**24**	**385**	**154**	**539**	**74**	**36**	**110**	**649**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								

Seed production								
Production of organic inputs								
Planting material production	1	10	9	19	3	3	6	25
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops	1	10	9	19	3	3	6	25
Commercial fruit production	1	12	10	22	2	1	3	25
Repair and maintenance of farm machinery and implements	1	16	6	22	2	1	3	25
Nursery Management of Horticulture crops								
Training and pruning of orchards	1	10	9	19	3	3	6	25
Value addition	1	13	6	19	4	2	6	25
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Enterprise development	1	7	12	19	4	2	6	25
Others, if any								
TOTAL	**15**	**206**	**118**	**324**	**36**	**25**	**61**	**385**

(C) Extension Personnel								
Productivity enhancement in field crops	2	24	12	36	2	2	4	40
Integrated Pest Management								
Integrated Nutrient management	3	42	6	48	9	3	12	60
Rejuvenation of old orchards	1	10	9	19	3	3	6	25
Value addition	1	10	9	19	3	3	6	25
Protected cultivation technology	1	9	7	16	3	3	6	22
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	1	0	14	14	0	6	6	20
Women and Child care	1	0	17	17	0	8	8	25
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Crop intensification	1	14	8	22	2	1	3	25
Others	4	56	20	76	10	4	16	92
TOTAL	**15**	**165**	**102**	**267**	**32**	**33**	**65**	**332**
G. Total	**54**	**756**	**374**	**1130**	**142**	**94**	**236**	**1366**

B) OFF Campus Note: 25 participants per training

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	2	35	20	55	4	3	7	62
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Others, if any	1	17	10	27	2	1	3	30
II Horticulture								
a) Vegetable Crops								
Integrated nutrient management	2	23	18	41	6	8	14	55
Water management	1	15	10	25	3	2	5	30
Enterprise development								
Skill development								
Yield increment								
Production of low volume and high value crops	1	10	9	19	3	3	6	25
Off-season vegetables								
Nursery raising	1	15	11	26	2	2	4	30
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Training and Pruning								
Others, if any								
b) Fruits								
Layout and Management of Orchards								

Cultivation of Fruit								
Management of young plants/orchards	2	19	11	30	5	5	10	40
Rejuvenation of old orchards	2	18	16	34	6	5	11	45
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1	10	9	19	3	3	6	25
Others, if any								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
Others, if any								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
Others, if any								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
Others, if any								
f) Spices								
Production and Management technology								
Processing and value addition								
Others, if any								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
Others, if any								
III Soil Health and Fertility Management								

Soil fertility management	10	169	69	238	39	18	57	295
Soil and Water Conservation								
Integrated Nutrient Management	8	123	24	147	26	10	36	183
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	1	18	2	20	4	1	5	25
Nutrient Use Efficiency	1	16	2	18	5	2	7	25
Soil and Water Testing								
Others, if any	2	48	6	54	3	1	4	58
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management								
Feed management								
Production of quality animal products								
Others, if any								
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	1	16	3	19	4	2	6	25
Storage loss minimization techniques								
Enterprise development								
Value addition								

Income generation activities for empowerment of rural Women	1	17	5	22	2	1	3	25
Location specific drudgery reduction technologies								
Rural Crafts								
Capacity building	1	9	6	15	7	3	10	25
Women and child care								
Others, if any								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	5	89	28	117	9	5	14	131
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	3	71	25	96	7	3	10	106
Small scale processing and value addition								
Post Harvest Technology								
Others, if any	6	100	37	137	12	6	18	155
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Others, if any								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture & fish disease								

Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Others, if any								
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								
Others, if any								
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								
Others, if any								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**52**	**838**	**321**	**1159**	**152**	**84**	**236**	**1395**
(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	2	32	12	44	4	2	6	50
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								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Enterprise development								
Others, if any								
TOTAL	**2**	**32**	**12**	**44**	**4**	**2**	**6**	**50**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Value addition								
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	3	69	25	94	7	3	10	104
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								
Crop intensification								
TOTAL	**3**	**69**	**25**	**94**	**7**	**3**	**10**	**104**
G. Total	**57**	**939**	**358**	**1297**	**163**	**89**	**252**	**1549**

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								
Cropping Systems	2	29	18	47	3	3	6	53
Crop Diversification	1	21	12	33	2	1	3	36
Integrated Farming								
Water management								
Seed production	3	53	31	84	6	4	10	94
Nursery management								
Integrated Crop Management	1	20	11	31	2	2	4	35
Fodder production								
Production of organic inputs								
Others, if any	1	17	10	27	2	1	3	30
II Horticulture								
a) Vegetable Crops								
Integrated nutrient management	2	23	18	41	6	8	14	55
Water management	1	15	10	25	3	2	5	30
Enterprise development								
Skill development								
Yield increment	2	34	18	52	8	3	11	63
Production of low volume and high value crops	1	10	9	19	3	3	6	25
Off-season vegetables								
Nursery raising	2	25	20	45	5	5	10	55

Export potential vegetables	1	10	9	19	3	3	6	25
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Training and Pruning								
Others, if any								
b) Fruits								
Layout and Management of Orchards	1	10	9	19	3	3	6	25
Cultivation of Fruit								
Management of young plants/orchards	2	19	11	30	5	5	10	40
Rejuvenation of old orchards	2	18	16	34	6	5	11	45
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	1	10	9	19	3	3	6	25
Others, if any								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
Others, if any								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
Others, if any								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
Others, if any								
f) Spices								
Production and Management technology								
Processing and value addition								
Others, if any								

g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
Others, if any								
III Soil Health and Fertility Management								
Soil fertility management	10	169	69	238	39	18	57	295
Soil and Water Conservation								
Integrated Nutrient Management	9	137	27	164	28	11	39	203
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops	2	38	4	42	7	1	8	50
Nutrient Use Efficiency	1	16	2	18	5	2	7	25
Soil and Water Testing								
Others, if any	6	126	21	147	15	6	21	168
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management								
Disease Management								
Feed management								
Production of quality animal products								
Others, if any								
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								
Enterprise development								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Capacity building								
Women and child care								
Others, if any								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	6	105	34	139	11	6	17	156
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	3	71	25	96	7	3	10	106
Small scale processing and value addition								
Post Harvest Technology								
Others, if any	6	100	37	137	12	6	18	155
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								

Others, if any								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture & fish disease								
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
Others, if any								
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								

Others, if any								
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								
Others, if any								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**76**	**1223**	**475**	**1698**	**226**	**120**	**346**	**2044**
(B) RURAL YOUTH								
Mushroom Production	1	20	11	31	2	2	4	35
Bee-keeping								
Integrated farming								
Seed production	2	30	14	44	4	2	6	50
Production of organic inputs	4	64	24	88	8	4	12	100
Planting material production	1	10	9	19	3	3	6	25
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops	1	10	9	19	3	3	6	25
Commercial fruit production	1	12	10	22	2	1	3	25
Repair and maintenance of farm machinery and implements	3	48	18	66	6	3	9	75
Nursery Management of Horticulture crops								
Training and pruning of orchards	1	10	9	19	3	3	6	25
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								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Enterprise development								
Others, if any	1	14	8	22	1	2	3	25
TOTAL	**17**	**238**	**130**	**368**	**40**	**27**	**67**	**435**
(C) Extension Personnel								
Productivity enhancement in field crops	2	24	12	36	2	2	4	40
Integrated Pest Management								
Integrated Nutrient management	3	42	6	48	9	3	12	60
Rejuvenation of old orchards	1	10	9	19	3	3	6	25
Value addition	1	10	9	19	3	3	6	25
Protected cultivation technology	1	9	7	16	3	3	6	22
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	3	69	25	94	7	3	10	104

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								
Crop intensification	1	14	8	22	2	1	3	25
Others	4	56	20	76	10	4	16	92
TOTAL	**18**	**234**	**127**	**361**	**39**	**36**	**75**	**436**
G. Total	**111**	**1695**	**732**	**2427**	**305**	**183**	**488**	**2915**

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		
		M	F	T	SC (no.)	ST (no.)	M	F	T	SC (no.)	ST (no.)	M	F	T
Kisan Mela organized	1	610	201	811	121	0	10	2	12	0	0	620	203	823
Kisan Mela participated	3	364	189	553	87	21	9	4	13	0	0	373	193	566
Field Day	2	18	0	18	6	0	3	0	3	0	0	21	0	21
Kisan Ghosthi	6	61	0	61	29	0	6	0	6	0	0	67	0	67
Exhibition organized	1	94	16	110	27	5	6	2	8	0	0	100	18	118
Participation in exhibition	2	209	46	255	0	0	2	0	2	0	0	211	46	257
Film Show	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	2	27	4	31	6	1	0	0	0	0	0	27	4	31
Farmers Seminar	2	148	52	200	24	0	0	0	0	0	0	148	52	200
Workshop	2	79	23	102	15	0	0	0	0	0	0	79	23	102

Group discussion	2	18	4	22	0	0	0	0	0	0	0	18	4	22
Lectures delivered as resource persons	24	1181	261	1442	1703	261	0	0	0	0	0	1181	261	1442
Advisory Services	87	1604	264	1868	186	0	0	0	0	0	0	1604	264	1868
Scientific visit to farmers field	35	289	41	330	60	0	0	0	0	0	0	289	41	330
Farmers visit to KVK	115	3400	4107	7507	1324	0	27	11	38	0	0	3427	4118	7545
Diagnostic visits	15	88	0	88	10	0	0	0	0	0	0	88	0	88
Exposure visits	7	652	199	851	220	0	0	0	0	0	0	652	199	851
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	2	30	29	59	44	0	0	0	0	0	0	30	29	59
Agri mobile clinic	2	29	4	33	2	0	0	0	0	0	0	29	4	33
Soil test campaigns	0	0	0	0	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	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	1	9	0	9	0	0	0	0	0	0	0	9	0	9
Special day				0					0			0	0	0

celebration														
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	6	64	75	139	43	0			0			64	75	139
Celebration of important date														

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q)
CEREALS	Paddy	R Sweta	140
	Wheat	HD 2967	90
OILSEEDS	Mustard	RH 761	35
PULSES	Lentil	IPL 316	40
	Chick pea	S Chana 1	30
	Lathyrus	Ratan	6.5
	Green gram	Sikha	8.0
VEGETABLES			
OTHERS (Specify)	Mushroom Spawn	Oyster	8.0

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango	Mallika, Maldah, Amrapali, Jardalu	3000
	Lemon	Purbi Kagzi	1000
SPICES			
VEGETABLES	Tomato	Arka Apeksha & Arka Rakshak	2000
	Chilli		2000
	Brinjal	Arka Kusumakar	2000
	Cauliflower	Sabour Agrim	2500
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	**12500**

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				
Pig farming				
FISHERIES				

3.6 Literature to be Developed/Published

(A) KVK News Letter (Krishak Samachar- quarterly)

Date of start : January-March
April – June
July – September
October- December 2025

Number of copies to be published : 2000

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	04
3	Newsletters (Krishak Sandesh)	1
4	Training manual all discipline	4
5	Popular article	8
6	Extension literature	4
	Total	**22**

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1			

3.7. Success stories/Case studies identified for development as a case - Revival of Lathyrus cultivation

a. Brief introduction/Background

b. Interventions/process

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

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

a) PRA

b) SWOT analysis

c) Feedback analysis

Rural Youth

a) Need assessment through questionaire/personal visit

b) SWOT analysis

c) Feedback analysis

In-service personnel

a) Pre Training Knowledge evaluation through questionaire

b) Major crop in the area

c) Feed back analysis

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA

ii) Problem identified from Matrix based ranking & analysis

iii) Field level observations

iv) Farmer group discussions

For FLD:

i) PRA

ii) Problem identified from Matrix based ranking & analysis

iii) Field level observations

iv) Farmer group discussions

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 : 2013

2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	1	156000.00
2	pH meter	1	15000.00
3	Flame photometer	1	85000.00
4	Physical balance	1	8500.00
5	Conductivity meter	1	16000.00
6	Atomic absorption spectrophotometer	1	1060000.00
7	Glass distillation unit	1	26500.00
8	Hot plate	1	14000.00
9	Hot air oven	1	64500.00
10	Mechanical shaker	1	24000.00

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1000	25	200000.0
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl. No.	Name of organization	Nature of linkage
1	ICAR Complex for East region, Patna	Technical knowhow of water saving technology for different crop.
2	Agricultural Technology Management Agency (ATMA) Patna	To Conduct training and demonstration in the farmer's field.
3	District Agricultural Office, Patna	Technical feedback, Human Resource development & transfer of technology.
4	District Horticulture Office, Patna	Technical feedback, Human Resource

		development & transfer of technology.
5	District Fisheries Office, Patna	Technical feedback, Human Resource development & transfer of technology.
6	District Animal Husbandry office, Patna	Technical feedback on dairy development
7	Bihar Agricultural Management Extension Training Institute (BAMETI), Patna	Technical feedback, Human Resource development transfer of technology.
8	JEEVIKA, PATNA and other NGOs of the district	Capacity building of farmers, farmwomen and rural youth for income generation.
9	Other KVKs of the state	Seed & planting material, training and exposure visit of farmer.
10	Sri Ram fertilizer & Chemical Limited, Patna	Technical knowhow of fertilizer management for different crop.
11	NABARD	Creating Awareness on Agriculture among farmers and formation of Kisan club
12	BSDM, Patna	Skill Development Training
13	ASCI, New Delhi	Skill Development Training
14	SMART, New Delhi	TB Awareness & other program through CRS
15	BASU, Patna	Animal Health Camp & Training programme
16	BREDA, Patna	Training & Awareness
17	NIAM Jaipur	Training & Awareness
18	CIAE, Bhopal	Training on value added product of Soybean

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	Kisan Vaigyanik Milan Samaroh	Joint Programme	02 Programme
2	Scientist Visit to Farmers field	Joint Programme	12 Programme
3	Crop Cutting	Joint Programme	04 Programme
4	Kharif & Rabi Mahabhiyan	Joint Programme	02 Programme

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	0	0
2	0	0
	Total	**0**

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	Mushroom production and demonstration	1	21	12	33	2	1	3	36	January
	PF/FW	Scientific cultivation of barley	1	12	8	20	1	2	3	23	February
	PF/FW	Scientific cultivation of mung bean	1	20	11	31	2	2	4	35	February
	PF/FW	Seed types and seed certification process	2	18	11	29	2	1	3	32	May
	PF/FW	Package and practices of summer maize	1	17	10	27	2	1	3	30	June
Horticulture											
	PF/FW	Scientific cultivation of summer vegetable	1	18	8	26	4	0	4	30	February
	PF/FW	Post-Harvest Management of onion	2	10	9	19	3	3	6	25	April
	PF/FW	Principles and Methods of Mango and Litchi Orchard Planning and Design	2	10	9	19	3	3	6	25	May
	PF/FW	Scientific cultivation of Okra	2	16	10	26	4	3	7	33	June

	PF/FW	Best Practices for Raising Healthy and Disease-Free Seedlings	1	10	9	19	3	3	6	25	August
Agril. Engg.											
	PF/FW	Different irrigation systems and their importance in water use efficiency	2	16	6	22	2	1	3	2	October
Home Sc.											
	PF/FW	Capacity building of Jeevika SHG member	1	14	6	20	3	2	5	25	January
	PF/FW	Household food security by kitchen gardening and nutrition gardening	1	12	3	15	8	2	10	25	February
	PF/FW	Gender mainstreaming through SHGs	1	14	5	19	5	1	6	25	May
	PF/FW	Value addition of millets	1	18	4	22	2	1	3	25	May
	PF/FW	Enterprise development through mushroom production and food processing	1	13	7	20	4	1	5	25	July
	PF/FW	Income generation through Pulse processing	1	15	4	19	4	2	6	25	August
	PF/FW	Household food security by kitchen gardening and nutrition gardening	1	19	2	21	3	1	4	25	October
Soil Health											
	PF/FW	Vermi Compost Production Technique	1	14	3	17	2	1	3	20	January
	PF/FW	Insect pest management of mustard	1	22	3	25	4	1	5	30	February
	PF/FW	Insect pest management of	1	20	6	26	2	2	4	30	February

		mustard									
	PF/FW	Insect pest management of mustard	1	22	4	26	3	1	4	30	February
	PF/FW	Integrated Farming System	1	14	2	16	3	1	4	20	February
	PF/FW	Management of Zinc deficiency in Paddy Cultivation	1	20	2	22	3	0	3	25	June

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	Scientific seed production of potato	1	18	10	28	2	2	4	32	January
	PF/FW	Importance of Mushroom consumption	1	17	10	27	2	1	3	30	March
	PF/FW	Seed types and seed certification process	2	17	10	27	2	1	3	30	June
Horticulture											
	PF/FW	Rejuvenation of old mango orchard	1	8	7	15	3	2	5	20	January
	PF/FW	Nutrient management of mango orchard	1	10	5	15	2	3	5	20	January
	PF/FW	Nutrient management of mango orchard	1	9	6	15	3	2	5	20	February
	PF/FW	Establishment of kitchen garden for livelihood upliftment	1	13	9	22	3	5	8	30	February
	PF/FW	Scientific management of different vegetable crop under kitchen garden	1	15	11	26	2	2	4	30	March
	PF/FW	Water management	1	15	10	25	3	2	5	30	March

		in Nutri Garden for malnutrition eradication									
	PF/FW	Nutrient management in cucurbitaceous vegetable crops	2	10	9	19	3	3	6	25	May
	PF/FW	Plant propagation methods of Guava, Sapota and Litchi through Air layering techniques	2	10	9	19	3	3	6	25	July
	PF/FW	Commercial Cultivation of Exotic Vegetables: Broccoli, Lettuce, and Cherry Tomato	2	10	9	19	3	3	6	25	September
	PF/FW	Improving Yield from Old Orchards through Canopy Management	1	10	9	19	3	3	6	25	November
Agril. Engg.											
	PF/FW	Water management in Wheat	1	21	5	26	2	1	3	29	January
	PF/FW	Crop Residue Management	1	20	7	27	2	1	3	30	January
	PF/FW	Use and advantages of micro irrigation	1	21	7	28	2	1	3	31	January
	PF/FW	Advantages of Laser Land Levelling	1	24	7	31	2	1	3	34	February
	PF/FW	Use of micro irrigation for water conservation	1	15	4	19	1	1	2	21	February
	PF/FW	Advantages of Laser Land Levelling	1	17	5	22	2	1	3	25	March
	PF/FW	Sowing of green gram by machine	1	31	12	43	3	1	4	47	March
	PF/FW	Advantages of Laser Land Levelling	1	15	7	22	2	1	3	25	April
	PF/FW	Mulching techniques for moisture retention in Vegetable crops	2	16	6	22	2	1	3	25	April

	PF/FW	Care & Maintenance of different Farm Machinery	1	16	6	22	2	1	3	25	May
	PF/FW	Advantages of Summer Ploughing	1	16	6	22	2	1	3	25	June
	PF/FW	Water management in DSR fields	1	16	6	22	2	1	3	25	July
	PF/FW	Zero tillage cultivation of potato under crop residue management	1	16	6	22	2	1	3	25	October
	PF/FW	Crop Residue Management	2	16	6	22	2	1	3	25	December
Home Sc.											
	PF/FW	Gender mainstreaming through SHGs	1	16	3	19	4	2	6	25	April
	PF/FW	Income generation through mushroom production	1	17	5	22	2	1	3	25	August
	PF/FW	Capacity building of Jeevika SHG member	1	9	6	15	7	3	10	25	October
Soil health											
	PF/FW	Use of Waste Decomposer in CRM	1	17	8	25	3	2	5	30	January
	PF/FW	Scientific cultivation of green gram	1	19	9	28	5	1	6	34	February
	PF/FW	Scientific cultivation of green gram	1	17	5	22	2	1	3	25	March
	PF/FW	soil fertility management by inclusion of green gram in cropping system	1	18	5	23	3	2	5	28	March
	PF/FW	Importance of green gram in soil fertility management	1	25	8	33	1	0	1	34	March
	PF/FW	Importance of green gram in soil fertility management	1	4	0	4	11	1	12	16	March

	PF/FW	Scientific cultivation of green gram	1	18	1	19	3	0	3	22	March
	PF/FW	In situ preparation of organic compost using green manure crop	1	8	4	12	2	1	3	15	April
	PF/FW	Scientific cultivation of fodder crop and their nutrient management	1	33	0	33	0	0	0	33	April
	PF/FW	Importance of green gram cultivation in soil fertility management	1	16	2	18	2	1	3	21	April
	PF/FW	Soil health management through green gram cultivation	1	14	25	39	1	6	7	46	May
	PF/FW	Direct Seeding of Paddy	1	15	0	15	4	0	4	19	May
	PF/FW	Preparation of different bioformulations and their use in natural farming	1	34	0	34	4	0	4	38	
	PF/FW	Balanced fertilizer application in Paddy	1	7	12	19	2	4	6	25	July
	PF/FW	Use of Nano urea and liquid fertilizer in enhancing nutrient use efficiency	1	16	2	18	5	2	7	25	August
	PF/FW	Deficiency symptoms of micronutrient in crop.	2	18	2	20	4	1	5	25	August
	PF/FW	Package and practices of millets	2	15	6	21	3	1	4	25	August
	PF/FW	Nutrient Management in Maize for higher production	1	16	2	18	5	2	7	25	September
	PF/FW	Package and	2	16	2	18	5	2	7	25	October

		practices for different crops under natural farming									
	PF/FW	Integrated nutrient management in pulses	1	16	2	18	5	2	7	25	October
	PF/FW	Different biofertilizers for pulse production	1	16	2	18	5	2	7	25	November
	PF/FW	Application of Jeevamrit and Ghan jivamrit on vegetable crop production	1	16	6	22	2	1	3	25	December

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	Enterprise development	Scientific cultivation of mushroom	3	7	12	19	4	2	6	25	March
Nursery raising	Protected cultivation of vegetable crops	Low cost protected cultivation technology of vegetable crop	5	10	9	19	3	3	6	25	January
Hybrid Napier	Others	Quality fodder production	5	14	8	22	1	2	3	25	February
Azolla	Production of organic inputs	Azolla production technique	5	16	6	22	2	1	3	25	March
Paddy	Seed production	Principles and practices of seed production of important kharif crops	5	14	8	22	2	1	3	25	May
Mango	Commercial fruit production	Establishment and Management of Orchard for commercial production	5	12	10	22	2	1	3	25	May

Farm Machinery	Repair and maintenance of farm machinery and implements	Different micro irrigation systems and their use	5	16	6	22	2	1	3	25	May
Farm Machinery	Repair and maintenance of farm machinery and implements	Care & Maintenance of different Farm Machinery	5	16	6	22	2	1	3	25	June
Blue Green Algae	Production of organic inputs	BGA production techniques	5	16	6	22	2	1	3	25	June
Nursery Development	Planting material production	Planting material production techniques of fruit crops	5	10	9	19	3	3	6	25	July
Farm Machinery	Repair and maintenance of farm machinery and implements	Care & Maintenance of different Farm Machinery	5	16	6	22	2	1	3	25	August
Lentil/ Chickpea	Seed production	Principles and practices of seed production of important rabi crops	5	16	6	22	2	1	3	25	September
Vermin compost	Production of organic inputs	Integrated nutrient management in pulses	5	16	6	22	2	1	3	25	August
Mushroom	Value addition	Processing & value addition of Mushroom	3	13	6	19	4	2	6	25	October
Mushroom	Mushroom production	Scientific cultivation of mushroom	5	20	11	31	2	2	4	35	October
Mango/ Guava	Training and pruning of	Training and pruning	5	10	9	19	3	3	6	25	November

	orchards	Techniques of old orchard									
Natural farming	Production of organic inputs	Natural farming – preparation of bioformulations	5	16	6	22	2	1	3	25	November

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
March	EF	Household food security	1	0	14	14	0	6	6	20
April	EF	Difference between seed and grain and importance of quality seed in crop production	1	12	6	18	1	1	2	20
June	EF	Application of different bioformulations in natural farming	1	14	2	16	3	1	4	20
July	EF	Advantages of green manuring in soil fertility management	1	14	2	16	3	1	4	20
July	EF	Processing of Pulses	1	14	8	22	2	1	3	25
August	EF	Different Storage methods of grain	1	14	8	22	2	1	3	25
August	EF	Preparation methods of jam and jelly	1	10	9	19	3	3	6	25
August	EF	PPV & FRA and seed certification	1	12	6	18	1	1	2	20
September	EF	Low-Cost Shade Net Houses for Small and Marginal Farmers	1	9	7	16	3	3	6	22
October	EF	Micronutrient deficiency in different crops and their management	1	14	2	16	3	1	4	20
October	EF	Role of biofertilizer in pulse cultivation	1	14	2	16	3	1	4	20
September	EF		1	0	17	17	0	8	8	25
November	EF	Role of micronutrient, their deficiency, symptoms and corrective measures for	1	14	2	16	3	1	4	20

		different crops.								
On Campus										
January	EF	Use of Inter culturing tools	1	37	13	50	3	1	4	54
April	EF	Scientific paddy cultivation using DSR techniques	2	16	6	22	2	1	3	25
November	EF	Different types of sowing machines in rabi crops and their advantages	1	16	6	22	2	1	3	25

iv) Sponsored programme

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

Reeta Singh

Signature of Senior Scientist & Head