

ACTION PLAN OF KRISHI VIGYAN KENDRA, MUNGER

(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
P.O. Shankarpur, Sitakund road Distt. Munger-811201	Office	FAX	mungerkvk@gmail.com	https://munger.kvk4.in /
	09608658459			

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

Address	Telephone		E mail	Website
	Office	FAX		
Bihar Agricultural University Sabour (Bhagalpur), Bihar PIN Code – 813210				vcbausabour@gmail.com www.bausabour.ac.in

1.2.b. Status of KVK website : Yes; Date when the website last updated: 05/07/2025

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :111540

1.2.d Status of ICT lab at your KVK :

- a) No. of PC units :05
- 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
Sri. Mukesh Kumar		9608658459	Mungerkvk@gmail.com

1.4. Year of sanction: 01/04/1979

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	1	-	Senior Scientist & Head	-	-	-	-	-	-	-	-	-	-
2	6	Mukesh Kumar	SMS	Horticulture	110500 Level-11	(GP-7000)	107200	25.7.2001	Permanent	OBC	9608658459		
3		Er. Ashok Kumar	SMS	Agril. Engineering	101200 Level-11	(GP 7000)	101100	12.11.2007	Permanent	OBC	8709615969		
4		Dr. Bishnu Deo Singh	SMS	Agril Extension Education	110500 Level-11	(GP 7000)	110400	20.12.2007	Permanent	UR	7004703869		

5		Dr. Vinod kumar	SMS	Agromy	77700 Level-10	(GP 5400)	80000	24.04.2012	Permanent	UR	9123262435		
6		Dr. Sujata Kumari	SMS	Home Science	56100 Level-11	(GP 5400)	56100	20.02.2024	Probation	SC	79973345192		
7	1	Sri Prahalad Kumar	Programme Assistant (LAB)	Programme Assistant (LAB)	50500 Level-6	(GP 4200)	52000	17.12.2012	Permanent	OBC	9304705080		
8	1	Sri.Amit Anand	Programme Assistant	Computer	49000 Level-6	(GP 4200)	50500	14.05.2013	Permanent	UR	7992374719		
9	1	Sri. Kaushal Kishore Chaudhary	Assistant	Assistant	49000 Level-6	(GP 4200)	50500	12.04.2013	Permanent	OBC	9110192436		
10	1	Sri Dharmendra Kumar	Stenographer	Stenographer	35300 Level-4	(GP 2400)	36400	02.07.2013	Permanent	UR	62006 51439		
11	1	Sri Sanjeev Kumar Singh	Driver	Driver	29300 Level-3	(GP 2000)	30200	11.05.2015	Permanent	OBC	88738 89223		
12	1	Sri Jitendra Kumar	Driver	Driver	29300 Level-3	(GP 2000)	30200	21.05.2015	Permanent	SC	84093 07282		
13	1	Malti Devi	Messenger	Messenger	40600 Level-2	(GP1900)	41800	09.08.1991	Permanent	OBC	6200318436		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.65
2.	Under Demonstration Units	0.73
3.	Under Crops	6.00
4.	Orchard	0.40
5.	Agro-forestry	0.60
6.	Others if any	2.80
TOTAL		11.18

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		1983	302.86		-	-	-
2.	Farmers Hostel	ICAR		1983	422.06		-	-	-
3.	Staff Quarters (6)	ICAR		1983	803.80		-	-	-

4.	Demonstration Units (2)	ITC &KVK Munger		2016	20000		-	-	-
5	Fencing	ICAR		2013-14	735 m		-	-	-
6	Rain Water harvesting system	Time to time renovate but feeder channel & command area for rain water harvesting is block		2016	10000		-	-	-
7	Threshing floor	ICAR		2008-2009	325.22		-	-	-
8	Farm godown	ICAR		2009-2010	91		-	-	-
	Other								

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2024	Present status
Bolero SLE M-II	28.03.2017	ICAR	674301	15055	Serviceable
Tractor	13.01.2006	ICAR	369722.00	218 hour	Serviceable under intensive repair
Motorcycle (BRO-8F9278)	28.10.2016	ICAR	59600	503Km	Serviceable
Motorcycle (BRO-8H1343)	31.03.2016	ICAR	59600	3028Km	Serviceable

C) Equipment's& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Water distillation unit	2006 received from DEE, RAU, Pusa	48000.00	Serviceable
Stabilizer (1KVA)	Do	4000.00	Serviceable
Electrical Balance with Accessories	Do	98000.00	Serviceable
Physical Balance	Do	7345.00	Serviceable
Electrical Conductivity Meter	Do	10170.00	Serviceable
Horizontal Shaker (Motorized)	Do	25425.00	Serviceable
Willey Mil Grinder	Do	25425.00	Serviceable
Digestion and distillation system	Do	30510.00	Serviceable
Digital PH Meter	Do	10170.00	Serviceable
Spectro Photometer	Do	61080.00	Serviceable
Hot Plate (Thermostat)	Do	90401.00	Serviceable
Hot Air Oven	Do	15259.00	Serviceable
b. Farm machinery			
Mahasakti Tractor with Accessories	13.01.06	369722.00	Serviceable under intensive repair
Generator (5 KVA) with Kirloskar diesel engine (8 HP)	April 06	Received from DEE RAU, Pusa, Samastipur	Serviceable
Kirloskar Pumpset (8 HP)	April, 06	Do	Not Serviceable
Tractor operated Multi Crop power thrasher (Harmba)	2010	85000/- Purchased by KVK from farm development	Serviceable

Hand winnower	2010	5000.00 Purchased by KVK from farm development	Serviceable
Motorized Mini Dal Mill	2012	Purchase by KVK, Munger under Post-harvest management CAE, RAU, Pusa Rs 45000	Serviceable
Sprinkler set	10.08.2012	Rs. 47062.00 Purchased by KVK as DEE BAU Sabour order	Serviceable
Tractor operated harrow & Multicrop Thresher	25.10.2013	Rs. 99450.00 Purchased from Vikram farm machinery, Bekapur Munger	Serviceable
Self-propelled Reaper	3.12.2013	Rs. 95400.00 Purchased from Vikram farm machinery, Bekapur Munger Under KVK's Fund	Serviceable
c. AV Aids			
Digital Camera	31.03.07	14500.00	serviceable
Soil Test Lab. Implements	13.02.06	322524.00	serviceable
Computer	13.09.2000	95198.00	serviceable
Godrej Chair (30)	23.11.2013	1142380.00	serviceable
Godrej table (4)	23.11.2013	16337.00	serviceable
Godrej Chair(12)	23.11.2013	83697.00	serviceable
Godrej Chair (1)	23.11.2013	11937.00	serviceable
Godrej Chair (5)	23.11.2013	17738.00	serviceable
Godrej Table (1)	23.11.2013	17059.00	serviceable
Godrej Table (large)	23.11.2013	40102.00	serviceable
Godrej Almirah (7)	23.11.2013	105194.00	serviceable
Godrej Chair	23.11.2013	3547.56	serviceable
UPS	07.12.2013	5680.00	serviceable
Steel bed.(29)	17.12.2013	97875.00	serviceable
Plastic Chair & Table for Kisan Hostel	29.01.2014	27605.00	serviceable
Plastic Chair training (30) & Table (5)	March 2017	84000.00	serviceable
Soil Testing Kit STFR	Nov 2017	86000.00	serviceable
Computer Chair(11pc)	30.3.2019	49500.00	serviceable
Office Sofa 5 seater	30.03.2019	49000.00	serviceable
Voltas A/C split 2tan	29.03.2019	49,999=00	serviceable

Steel Almirah 05 ps	30.04.2019	49,995=00	serviceable
Guard Stabilizer	22.05.2019	5500=00	serviceable
Iron office table 09 ps	22.10.2019	44,550=00	serviceable
Boss chair 02ps	09.11.2019	18,000=00	serviceable
Electronic weighing machine	March 2019	5456.00	serviceable
HP inkjet printer	March 2019	11400.00	serviceable
UPS luminous 600 VA	March 2019	2350.00	serviceable
VOLTAS WATER COOLER	March 2019	25000.00	serviceable
KENT RO FILER	March 2019	17995.00	serviceable
Hp Desktop and Monitor	March 2019	37995.00	serviceable
Excide Battery+ Invertor	March 2019	20600.00	serviceable
Hand compressor sprayer	09.02.2019	6000.00	serviceable
Channel rack 6 pcs	20.03.2019	21240.00	serviceable
Alumimium Top 2pcs	23.11.2019	8812.00	serviceable
Iron Cholni 1 pce	23.11.2019	265.00	serviceable
Hp printer 1pce	05.03.2019	4661.00	serviceable
Hp Desktop 1pce	05.03.2019	24538.00	serviceable
Exide Battery 1pce	05.03.2019	12500.00	serviceable
Micro teck Inverter 1pce	05.03.2019	4,600.00	serviceable
Godreg Freeze 1pce	05.03.2019	23350.00	serviceable
UPS 1 Pcs	05.03.2019	3898.00	serviceable
Plastic chair 50 pes	29.03.2019	28600.00	serviceable
Moving chair 4 PCs	29.03.2019	13600.00	serviceable
Khetia 8 pcs	28.03.2019	42000.00	serviceable
Trolley 2 wheel	23.3.2019	9000.00	serviceable
Battery operated sprayer 16Ltr.2pce	22.2.2019	6400.00	serviceable
Water can 10Ltr 2pcs	22.2.2019	800.00	serviceable
Seceteare (Regular) 3Pieces	22.2.2019	1125.00	serviceable
SecrularMotar 3 Pieces	22.2.2019	1740.00	serviceable
Porlc Saw 2 Pieces	22.2.2019	1770.00	serviceable
Weeder 3 Pieces	22.2.2019	270.00	serviceable
Garden Hoe 1Pieces	22.2.2019	345.00	serviceable
Budding Knife 2Pieces	22.2.2019	560.00	serviceable
Sword 2 Pieces	22.2.2019	640.00	serviceable
Khurpe 3Pieces	22.2.2019	330.00	serviceable
Sicdle 3 Pieces	22.2.2019	495.00	serviceable
Head shear 2 Pieces	22.2.2019	1350.00	serviceable
Drill Heok 1 Pieces	22.2.2019	440.00	serviceable
Hand Rake 2 Pieces	22.2.2019	460.00	serviceable

Bulb planter 3 Pieces	22.2.2019	645.00	serviceable
Hp Laptop i3	22.03.2021	46500.00	Serviceable
HP Desktop	13.03.2024	70200	Serviceable
HP Desktop & Hp printer MFP2606	30.03.2024	78220.00	Serviceable
ACER laptop			
Inverter and battery	30.03.2024	27500	Serviceable

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

Sl.No.	Date
1. Scientific Advisory Committee	16.06.2025

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 (Diara land)	Rabi (Maize, Wheat, pointed Guard) + Cow/Buffalo	Sandy Soil/Sandy loam Soil (Entisols)
2	AES 2 (Tal Land)	Rabi (Wheat, Maize, Pulse, Oil Seed) + Cow/Buffalo/Goat	Clay Soil (Vertisols)
3	AES 3 (Hilly Plain Area)	Kharif (Paddy, Maize, Red Gram), Rabi (Wheat, Lentil, Gram, Oil Seed, Vegetables) + Cow/Buffalo/Goat	Clay Loam/Clay silt Loam
4	AES 4 (Hilly Sloppy Land>2% Slope)	Kharif (Red Gram, Maize, Horticultural Crop/Forest Plant) + Cow/Goat	Red Soil(Oxisols)

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES 1 (Diara land)	Plain & Low Land	Good
2.	AES 2 (Tal Land)	Plain (Bowlshaped)	Not Easily
3.	AES 3 (Hilly Plain Area)	0.1% to 2% slope land	Easily drainage
4.	AES 4 (Hilly Sloppy Land > 2% Slope)	Sloppy Land (> 2% Slope)	Easily drainage with Soil erosion

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES 1 (Diara land)	Flood prone Area	I st
2.	AES 2 (Tal Land)	Water logging in Kharif Season	I st
3.	AES 3 (Hilly Plain Area)	Lack of irrigation facility	II ^{ed}
4.	AES 4 (Hilly Sloppy Land > 2% Slope)	Lack of irrigation & intensive Soil erosion	I st

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	33500	820750	24.5	11.5	14.5
2.	Wheat	22100	530400	24	8	14
3.	Rabi Maize	7430	215470	49	9	16
	Kharif Maize	4100	94300	23	5	9
4.	Gram	5750	66125	11.5	3	5
5.	Lentil	9330	121290	13	3	4
6.	Pea	3020	34730	11.5	1.5	3.5
7.	Rai/Mustard	3420	47880	14	2	3
8.	Tisi (Line Seed)	85	637.5	7.5	1	2
9.	Sunflower	12	90	7.5	1.5	2
10.	Summer Paddy	0	0	0		
11.	Summer Maize	120	4080	34	5	8
12.	Summer Moong (Moong bean)	210	2730	09	3	5
13.	Til	165	1237.5	7.5	2	3
15.	Red Gram	382	5348	11	3	5
16.	Fruit	4658				
	i. Banana	34	13430	495	105	150
	ii. Citrus	389	38511	99	8	12
	iii. Guava	342	28728	84	7	11
	iv. Litchi	97	7469	77	8	12
	v. Mango	3730	309590	83	5	11
	vi. Papaya	25	12025	481	52	82
	vii. Ber	16	864	54	12	18
	viii. Aonla	25	350	14	8	14
17	Vegetables	5074				
	i. Brinjal	275	52250	190	7	12
	ii. Cabbage	88	19360	220	25	35
	iii. Cauliflower	690	143520	208	20	30
	iv. Okra	65	7150	110	25	35
	v. Onion	290	44950	155	50	75
	vi. Pea	1510	173650	115	10	15
	vii. Potato	355	72775	205	25	40
	viii. Sweet Potato	85	24650	290	15	30
	ix. Tomato	595	142800	240	30	50
	x. Carrot	7	630	90	15	25
	xi. Radish	125	18125	145	10	15
	xii. Cucumber	190	47500	250	40	55
	xiii. Capsicum	9	378	42	8	15
	xiv. Pointed Gourd	610	104920	172	10	15
	xv. Watermelon	140	29400	210	40	50
18	Flower	40	880	22	10	13
19	Mushroom	14540	18175	1.25 kg mushroom per kg straw	0.5	0.75
20	Aromatic Plants	90	5850	65 litre/ ha (mentha oil)	10	15
21	Medicinal Plant	295	19175	65	12	15
22	Spices	387	3289.5	8.5	2	5

Source: District agriculture department.

2.3. Weather data (2023-24)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	January 2023	5.1	20.8	10.2	99	59
	February 2023	23.9	23.6	10.4	98	88
	March 2023	0.3	35.4	16.2	96	76
	April 2023	12	39.4	23.8	40	30
	May 2023	87	35.6	24.0	38	30
	June 2023	165.5	36.4	26.6	45	35
	July 2023	305.7	35.7	23.1	98	56
	August 2023	271.1	33.6	24.8	99	64
	September 2023	231.7	32.4	25.2	90	70
	October 2023	106.2	31.8	20.2	88	58
	November 2023	32.4	31.3	13.2	93	32
	December 2023	12.4	27.4	11.5	99	38
	Cumulative rainfall	104.44				
2024	January 2024	5.4	24.2	7.3	99	48
	February 2024	2.6	29.4	9.3	98	32
	March 2024	45.6	37.2	14.2	98	27
	April 2024	16.4	42.7	23.7	67	12
	May 2024	28.5	42	22	93	14
	June 2024	16.2	43	25	99	21
	July 2024	268.9	37	26	99	52
	August 2024	232.9	37	26	99	56
	September 2024	292.4	25	36	98	54
	October 2024	32.7	23	33	99	42
	November 2024	5.7	16	34	100	37
	December 2024	0.0	27	11	98	32
	Cumulative rainfall	78.94				
Total						

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

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	62210	870940	14Litre / day	4
Sheep	7060	49420	7kg wool/sheep	2
Goats	25400	177800	7 kg/goat meat	3
Cattle				
Crossbred	47500	760000	16Litre /day	4
Indigenous	59200	118400	2 Litre /day	0.5
Pigs	7632	99216	13 kg/pig	7
Poultry				
Hens	70300	87875 kg meat +650400 eggs	1.25 kg/month/Hen/Broiler & average 8 eggs/ layer/ month	0.56
Desi	81300			12
Category		Production (q)	Productivity	
Fish (Reservoir)	31	713	23 quintal/ha.	7

*Statcal 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
Munger	Haveli Kharagpur	Harkunda	Paddy & wheat	28	Low productivity due to disease & pest occurrence high input cost, weed problem and poor water management	HYV, RCT & Irrigation water management
Munger	Asarganj	Chaurgaon	vegetable& Paddy cultivation	30 (Cereal crop), 75q/ha Vegetable	Low fertilizer use, low productivity, lackness of mechanization, poor water management& nursery management.	water management& fertilizer application methods .
Munger	Asarganj	Lagma	Vegetable, paddy & wheat	32 (Cereal crop), 80q/ha Vegetable	Bad Irrigation practices & lack of processing & mechanization	Processing, irrigation management, mechanization & crop production.
Munger	Jamalpur	Indruk	Wheat, Lentil & Moong	16(Pulse & Oil Seed)	Poor water management low productivity with high inputs& lack of adoption of improved variety.	Line sowing high of high yielding variety of cereal crops
Munger	Bariyarpur	Neerpur	Lentil,chickpea and mustard	14 (Pulse & Oil Seed)	Low productivity with high inputs& lack of adoption of improved variety.	Line sowing high of high yielding variety of pulse & oilseed crops

2.6 Top five major priority thrust areas:

- Productivity enhancement in Rice-Wheat cropping system
- Natural Resource conservation and management
- Livestock production & management
- Watershed management& plantation of horticultural plants.
- Entrepreneurship development among farm women and rural youth

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
9	137	328.9	16	1006
Training		Extension Activities		
(3)		(4)		
Number of Courses	Number of Participants	Number of activities	Number of participants	
103	2555	34	24658	

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
87	18000	-	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	Productivity enhancement in cropping system	Lentil /INM	Low yield of lentil		Demonstrati on of integrated nutrient management in Lentil	INM in Pulse crops	Area Promotion of Pulse crop	Field Day, Diagnostic Visit & Kisan Choupal	Fertilizer
2	Productivity enhancement in cropping system	Wheat/ Varietal	Low yield		Demonstrati on of DBW187(Ka ran Vandana) wheat	Scientific Practice & package of wheat cultivation	Details about high yield varieties of wheat (DBW- 187) karan bandana	Field Day, Diagnostic Visit & Kisan Choupal	Seed
3	Food Security	Vegetables/Nutr itional garden	Children and women are mal nourished		Establishme nt of Nutritional garden	Scientific method for establishing nutrition garden	Importance and feasibility of nutrition garden to eradicate malnutrition	Awareness programme to maintain healthy life	Vegetable & Fruits Plantlets and seed of vegetables.
4	Food Processing	Mushroom/Valu e Addition	Most of the mushroom producer sell raw Mushroom . They are not aware of value added products of mushroom, raw mushroom gets ruined		Preparation method of mushroom nuggets for enhancement of nutrition and income	Value addition in mushroom, Vegetables and fruits	Preparation of RTS (Ready to serve)/ RTE (Ready to eat) products of mushroom	Training	Ingredients to prepare different products of vegetable and mushroom
5	RCT	Okra/Drip Irrigation	Low yield due to improper irrigation		Irrigation applied in Okra through drip irrigation	Benefits of drip irrigation in vegetable cultivation	Installation method and care maintenance of drip irrigation system	Training & Diagnostic visit	Lateral pipes and drippers
6	Farm Mechanization	Wheat / Multi crop Planter	Low yield		Sowing of wheat by zero till multi-crop planter cum fertilizer drill	Importance of farm mechanizati on	Familiarition of different types of innovative sowing implements.	Training & Diagnostic Visit	Multi crop Seed planter cum fertilizer drill.
7	Crop diversification	Millets / Finger Millets	Major area under kharif season is paddy and maize		Demonstrati on of Finger Millets	Importance of millets cultivation in latest scenario	Acknowledge nutritious value of different types of millets	Training and awareness programme	Seeds
8	Productivity enhancement in cropping system	Lentil / varietal	Low yield		Demonstrati on of Lentil Variety IPL- 220(bio- fortified)	Promotion of pulse cultivation for mitigating pulse crises in country	Scientific method of Pulse cultivation	Training, Field Day	Seed
9	Productivity enhancement in cropping system	Rice-Lentil Cropping System	Low productivity of rice - lentil cropping system	Assessment of suitable resource conservation technologyin rice-lentil cropping system	-	Scientific Package & Practices for paddy cultivation	Scientific Package & Practices for cereal cultivation	Field Visit, Field Day & Awareness	Seeds
10	Productivity enhancement in cropping system	Chickpea IWM	Low yield	Assessment of suitable weed management in Chickpea	-	Integrated weed Management in Chickpea cultivation	IPM in chickpea cultivation	Diagnostic visit and field day	Weedicide

11	Drudgery reduction	Okra / Handy Vegetable plucker	Unawareness of vegetable harvesting tools	Assessment of effectiveness of vegetable cutter for vegetable crops	-	Application method for using different types of gender friendly handy tools	Importance of vegetables to eradicate malnutrition	Training and awareness programme	Okra Plucker
12	Food Security	Mushroom /varietal	Low yield	Assessment on different species of oyster mushroom	-	Innovative method of Mushroom Production	Production of value-added products of Mushroom and its marketing	Training and Awareness	Mushroom Spawn
13	RCT	Paddy / Water Management	Low yield of rice, inferior quality	Assessment of depth of submergence water in paddy cultivation	-	Water Management in paddy cultivation	Water saving techniques and its benefit in paddy cultivation	Field Visit & Field Day	LDPE Pipe for irrigation
14	Irrigation Water Management	Mustard / Water Management	Low yield of mustard	Assessment of irrigation applied at different critical stages of mustard in Tal land.	-	Water Management in mustard cultivation	Sprinkler irrigation and its benefits	Field Visit & Field Day	LDPE Pipe for irrigation
15	Productivity enhancement in cropping system	Mustard/ Impact assessment	Low yield	Impact assessment of CFLD (Oilseed) Programme	-	Scientific Package & Practices for mustard cultivation	Scientific Package & Practices for linseed cultivation	Field Visit, Field Day & Awareness	Seeds
16	Productivity enhancement in cropping system	Maize / opinion of farmers	Low yield of Maize	Assessment of effectiveness of opinion leaders in dissemination of Maize Cultivation technologies	-	Scientific Package & Practices for Rabi Maize cultivation	Cultivation of Rabi Maize through constituting FPOs/ Kisan Club	Field Visit, Field Day & Awareness	-
17	RCT	Mango Mulching	/ Depletion of available water	Assessment of different mulching material in Mango	-	Benefits of different types of mulching in Mango Cultivation	Scientific cultivation methods of Mango cultivation	Diagnostic visit & Awareness programme	Mulching material

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	1									
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation	1									
Drudgery reduction	1									
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology	4									
Small Scale income generating enterprises	2									

Main cause	Infestation of broad leaves(Chenopodium album, Vicia sativa, Vicia hirsuta, Melilotus indica, Cirsium arvensis) and grassy (Avena fatua, Phalaris, Cynodon dactylon) weeds in chickpea
Title of OFT	Assessment of suitable weed management in Chickpea
Farming situation	Soil type clay soil, land type medium, irrigation type: irrigated, season rabi, previous crop - rice
Thematic area	Weed management
Farmer practice	T1: No weeding /uprooting weeds at 40-50 DAS , higher seed rate , local chana, broadcasting, 100 kg DAP/ha, without seed treatment.
Technology option selected for assessment	T2 :Pendimethalin @1.0 kg a.i. / ha as pre emergence(2-3 DAS) T3: Imazethapyr 10% SL@ 30g a.i. / ha (post emergence (25-30 DAS) T4: Topramezone 33.6% SC@ 30g a.i. / ha (post emergence (25-30 DAS)
Source of technology	IIPR, Kanpur,2018 and BAU sabour,2021
No of trial	10 (Total area for field crops 1.0 ha)
Detail of critical input	Weedicides
Cost of individual critical input	Pendimethalin-Rs530/litre, imazethapyr-Rs1380/ litre, topramezone-Rs1900/ kg
Total cost of critical input	Rs. 4870 /ha
Performance indicator to be recorded	(i) Technical indicator (No of branches/ plant, no. of plants/sq. meter, no. of pods/plant, 100 grain wt(g), Yield (q/ha) (ii) Economic indicator (Cost of cultivation(Rs/ha), Gross return(Rs/ha), Net return(Rs/ha), B:C ratio) (iii) Farmer perception

OFT-3 (Home Science, Aug. 25)

Crop	Vegetable crop(Okra)
Season	Kharif
Main problem	Unawareness of vegetable harvesting tools
Main cause	Manually harvesting of vegetables causes irritation, allergies and black patches on hand of farmers while performing harvesting of vegetables
Title of OFT	Assessment of effectiveness of vegetable harvesting cutter for vegetable crops
Farming situation	Irrigated
Thematic area	Drudgery reduction
Farmer practice	T1:Manually harvesting
Technology option selected for assessment	T2: Vegetable harvesting cutter T3: Silicon based harvesting cutter with gloves
Source of technology	Punjab Agricultural university 2021
No of trial	20
Detail of critical input	Harvesting cutter and gloves
Cost of individual critical input	Rs 500/individual
Total cost of critical input	Rs. 10000 /ha
Performance indicator to be recorded	(i) Technical indicator : work efficiency (%), comfort level and musculoskeletal problems, (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

OFT-4 (Home Science, Dec.- 25)

Crop	Mushroom
Season	Rabi 2025-26
Main problem	Low yield
Main cause	Lack of prominent variety
Title of OFT	Assessment on different species of oyster mushroom
Farming situation	Home stead
Thematic area	Mushroom cultivation
Farmer practice	T1: Farmers are cultivating <i>Pleurotussajarcajus</i> species of oyster mushroom , sowing time – September, Seed quantity 100 g/bag, Yield 2kg /bag, bag weight- 2 kg/bag
Technology option selected for assessment	T2: <i>Pluroteousflorida</i> T3: <i>Pluroteousostretous</i>
Source of technology	DMR, Solan 2021
No of trial	10
Detail of critical input	Spawn , formalin, Bavistine, Pp bag, Rubber band
Cost of individual critical input	Rs 700/individual
Total cost of critical input	Rs. 7000
Performance indicator to be recorded	(i) Technical indicator : days to colonization in bag, cultivation periods in days, yield (kg/bag) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

OFT-5 (Agril. Engg., Aug.-25)

Crop	Paddy
Season	Kharif 2025-26
Main problem	Low yield of rice, inferior quality
Main cause	High depth of standing water in paddy cultivation
Title of OFT	Assessment of depth of submergence water in paddy cultivation
Farming situation	Silt clay, hilly plain irrigated , kharif, paddy
Thematic area	Water management
Farmer practice	T1: submergence of water depth greater than 10 c.m.(seed rate- 25 kg/ha, manually weed management, soil incorporation of fertilizer and broadcasting method of Nitrogenous fertilizer)
Technology option selected for assessment	T2:submergence of water depth 8-10 c.m. T3: submergence of water depth 5-7 c.m.
Source of technology	IRRI , Cuttak and AICRP on water management of DRPCA U Pusa , Bihar (2022)
No of trial	10 (Total field =2.50 ha)
Detail of critical input	LDPE pipe for irrigation or drainage of field
Cost of individual critical input	Rs 2235 for conveyance pipe
Total cost of critical input	Rs. 22350
Performance indicator to be recorded	(i) Technical indicator – Total quantity of water required in paddy cultivation, water use efficiency , no. of tillers per plant, yield (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception :

OFT-6 (Agril. Engg., Nov. 25)

Crop	Mustard
Season	Rabi 2025-26
Main problem	Low yield of mustard
Main cause	Poor water management
Title of OFT	Assessment of irrigation applied at different critical stages of mustard in Tal land.
Farming situation	Clay loam, plain, irrigated, Rabi 2025-26, Mustard
Thematic area	Water management
Farmer practice	T1:Irrigation applied at branching stage(25-30 DAS) (seed rate 5kg/ha, manual weeding, thinning, broadcasting method of fertilizer, spraying of plant protection measures by knap sac sprayer)
Technology option selected for assessment	T2: Irrigation applied at branching stage(25-30 DAS) and at pod formation stage (65-75 DAS) T3: Irrigation applied immediate after sowing, applied at branching stage (25-30 DAS) and at pod formation stage (65-75 DAS)
Source of technology	BAU Sabour and Banda university of agriculture & technology, Banda, UP (2022)
No of trial	10 (Total field =2.50 ha)
Detail of critical input	LDPE pipe for irrigation of field
Cost of individual critical input	Rs 2235 for conveyance pipe
Total cost of critical input	Rs. 22350
Performance indicator to be recorded	(i) Technical indicator : No. of branches per plant, applied irrigation water(cm), water use efficiency(q/ha-cm),yield(q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

OFT-7 (Extension, Nov. 25)

Crop	Lentil
Season	Rabi season
Main problem	Low yield
Main cause	Low adoption of recommended package of Practices
Title of OFT	Impact assessment of CFLD (Model Pulse Village)Programme
Farming situation	Soil type clay soil, land type medium, irrigation type: irrigated, season rabi, previous crop - rice
Thematic area	Capacity Building
Farmer practice	T1: Local seed, high seed rate, no seed treatment, broadcasting method of sowing,
Technology option selected for assessment	T2:CFLD (Lentil)Farmers (certified seed, seed treatment, recommended dose of fertilizers, weeding, IPM.)
Source of technology	IIPR, Kanpur
No of trial	40 farmers from each group
Detail of critical input	printing cost, refreshment cost,
Cost of individual critical input	Rs. 88/-
Total cost of critical input	Rs. 7000/-
Performance indicator to be recorded	(i) Technical indicator : yield q/ha (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception : Response about trialled technology & its adoption

OFT-8 (Extension, Nov. 25)

Crop	Maize
Season	Rabi
Main problem	Low yield of Wheat
Main cause	Maize growing area is rapidly increasing and to maintain the productivity of 80 to 85 quintal/ ha is a big challenge.
Title of OFT	Assessment of effectiveness of opinion leaders in dissemination of Maize Cultivation technologies
Farming situation	Soil type: Clay loam , land type: irrigation , irrigated , season: Rabi , previous crop: Paddy
Thematic area	Capacity building
Farmer practice	T1 :Farmers are not contact with Opinion leaders
Technology option selected for assessment	T2 :Farmers are contact with Opinion leaders of ATMA, FFS T3: Farmers are contact with Opinion leaders of KVK
Source of technology	GBPUAT, Pantnagar, Uttarakhand
No of trial	20 from each technology option (total 60 respondents)
Detail of critical input	Training, literature
Cost of individual critical input	Rs. 170/-
Total cost of critical input	Rs 10000/-
Performance indicator to be recorded	(i) Technical indicator : Yield q/ha (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception : Response about trialled technology & its adoption

OFT-9 (Horticulture, April. 25)

Crop	Mango
Season	Summer
Main problem	Depletion of available water
Main cause	Proper irrigation not assured
Title of OFT	Assessment of different mulching material in Mango
Farming situation	Soil type- Silt Clay loam , land type-upland , irrigation type- unirrigated, previous crop- Mango
Thematic area	Crop production
Farmer practice	T1: No mulching / Litter fall of tree
Technology option selected for assessment	T2- Mulch of the same tree leaves T3- Paddy straw mulch
Source of technology	BAU, Sabour, Bhagalpur
No of trial	07
Detail of critical input	Paddy straw, tephrosia leaf mulch
Cost of individual critical input	Rs. 450/-
Total cost of critical input	Rs. 3150/-
Performance indicator to be recorded	(i) Technical indicator : no. of fruits, weight of fruit, Moisture Percentage (ii) Economic indicator (yield, Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception : Response about trialled technology & its adoption

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/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Lentil	INM	Integrated use of chemical fertilizer, bio fertilizer i.e. INM (50% RDF+ Seed treatment carbendazim@2g/kg + Rhizobium@ 5ml/kg+ PSB@5 ml/kg at the sowing time of lentil and foliar application of 18:18:18 NPK@5 g/liter water at pre flowering stage in lentil	Fertilizer	Rabi 2025-26	5	20	(i) Technical indicator: No of branches/ plant, no. of plants/ meter, no. of pods/plant 1000 grain wt(g), Yield (q/ha) (ii) Economic indicator : Cost of cultivation, Gross return, Net return, B:C ratio (I) Farmer Feedback-
2	Wheat	Cropping system	Timely sown, short duration(120 days) crop variety DBW187 and suitable for north east plain zone and as per recommended packages of practice (120:60:40 NPK kg/ha) , seed rate 150 kg/ha, yield 58 q/ha	Seed	Rabi 2025-26	2.5	25	(I) Technical indicator- No of tillers, Effective tillers, grains per panicle, 1000 grain wt.Yield (Q/ha) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer Feedback-
3	Nutritional garden	Household food security by kitchen gardening and nutrition gardening	Vegetable seed kit and fruit plants, preparation of layout, training, round the year vegetable calendar	Vegetable & Fruit Nursery	Kharif 2025	150-200 sq.m.	20	(I) Technical indicator- Baseline survey(Hemoglobin, BMI) (II) Economic indicator –yield, Cost of cultivation, Gross income, net return and BC ratio. (III) Farmer Feedback
4	Mushroom Nuggets	Value addition	Mushroom powder (10%) + Urad dal (40%)+ salt (0.2%)+ black gram dal powder + Red chilly powder + coriander leaves	Raw Material (dal + salt & Spices)	Rabi 2025-26	20	20	(I) Technical indicator- Sensory evaluation (Taste, colour, texture), storability (II) Economic indicator – Cost of cultivation, Gross income, net return and BC ratio (III) Farmer Feedback-
5	Okra	Installation and maintenance of micro irrigation systems	Controlled, measured, frequent and hi-tech irrigation method with more water use efficiency (greater than 90 %) and uniformity	Lateral pipes (16mm dia.)	Summer 2025	20	20	(I) Technical indicator- applied irrigation water , WUE(q/ha-cm), saving of water (%) (II) Economic indicator : yield, Cost of cultivation, Gross income, BC ratio (III) Farmer Feedback-
6	wheat	Repair and maintenance of farm machinery and implements	Line sowing, DBW187, seed rate 40 kg/ha, time of sowing- 15-30 November, fertilizer dose (120:60:40)NPK kg/ha , manual weeding, two irrigation(at CRI & milking stage), yield- 45q/ha	Multi crop planter machine /Seed	Rabi 2025-26	6	15	(I) Technical indicator- saving of irrigation water(%), increased yield (%), no. of weeds/Sq m and yield. (II) Economic indicator : yield, Cost of cultivation, Gross income, net return and BC ratio. (III) Farmer Feedback-
7	Finger Millets	Crop diversification	Seed of millets will be given as input , finger millet variety – GPU28,GKVK,Bengaluru, (1998)	Seed	Kharif 2025	1	20	(I) Technical indicator- yield (II) Economic indicator -Cost of cultivation, Net return, B:C ratio (III) Farmer Feedback-
8	Lentil	Crop diversification	Lentil IPL-220 seed ,seed rate 40 kg/ha, yield-14-18 q/ha, wilt resistant, iron content 60 ppm zinc content- 51-63 ppm	Seeds	Rabi 2025-26	2.5	25	(I) Technical indicator- yield (II) Economic indicator -Cost of cultivation, Net return, B:C ratio (III) Farmer Feedback-
				Total				

Sponsored Demonstration :Nil

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	11	Feb. March	332
2	Field days	5	Nov. Dec. and Feb. March	123
3	Media coverage	15	July To March	Mass
4	Training for extension functionaries	5	May, June & OCT. Nov.	155

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
Reaper, Reaper-cum-Binder	Paddy, Wheat	Kharif, Rabi 2025-26	32	12	Machine	Capacity, saving of time & cost
Multi crop planter & Fertilizer drill	Paddy, Wheat	Kharif, Rabi 2025-26	45	15	Machine	Capacity, saving of time & seeds, input cost

(ii) Livestock Enterprises: Nil

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

FLD-1

Title of FLD	Demonstration of integrated nutrient management in Lentil		
Season & Year	Rabi 2025-26		
Main Problem	Low yield of lentil		
Main cause of problem	Imbalance use of fertilizers		
Full detail of farmer's Practice	25:40:0 Kg/ha NPK(100% Recommended), broadcasting, no seed treatment		
Full detail of technology to be demonstrated	Integrated use of chemical fertilizer, bio fertilizer i.e. INM (50% RDF+ Seed treatment carbendazim@2g/kg + Rhizobium@ 5ml/kg+ PSB@5 ml/kg at the sowing time of lentil and foliar application of 18:18:18 NPK@5 g/liter water at pre flowering stage in lentil		
Source of Technology with year	DRPCA, Pusa, 2020 & Vishva Bharti Univ. Sriniketan,2017		
Name of the Technology	INM (50% RDF+ Seed treatment carbendazim@2g/kg + Rhizobium@ 5ml/kg+ PSB@5 ml/kg and foliar application of 18:18:18 NPK@5 g/liter water at pre flowering stage in lentil)		
Thematic area	INM		
Name of villages	Indruk, Jamalpur		
Farming situation	Fallow-lentil cropping, rainfed, clay soil		
Area (ha)/Unit (No.)	5 ha	No of farmers	20
Performance indicator	(i) Technical indicator: No of branches/ plant, no. of plants/ meter, no. of pods/plant 1000 grain wt(g), Yield (q/ha) (ii) Economic indicator : Cost of cultivation, Gross return, Net return, B:C ratio (I) Farmer Feedback-		

FLD-2

Title of FLD	Demonstration of DBW187(Karan Vandana) wheat		
Season & Year	Rabi 2025-26		
Main Problem	Low yield		
Main cause of problem	Lok1 variety, high seed rate (150kg/ha)		
Full detail of farmer's Practice	Lok1 variety in late sown, broadcasting, higher seed rate 150 kg/ha, only two irrigation, fertilizer (100:40:20 NPK kg/ha) , yield 45 q/ha.		
Full detail of technology to be demonstrated	Timely sown, short duration(120 days) crop variety DBW187 and suitable for north east plain zone and as per recommended packages of practice (120:60:40 NPK kg/ha) , seed rate 150 kg/ha, yield 58 q/ha		
Source of Technology with year	DWR, Karnal 2018		
Name of the Technology	Wheat variety DBW187 , protein content 11.4% and iron content 43ppm		
Thematic area	Cropping system		
Name of villages	Varuna, Dharhara Block		
Farming situation	Rice-wheat irrigated system		
Area (ha)/Unit (No.)	2.5 ha	No of farmers	25
Performance indicator	(I) Technical indicator- No of tillers, Effective tillers, grains per panicle, 1000 grain wt.Yield (Q/ha) (II) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (III) Farmer Feedback-		

FLD-3

Title of FLD	Establishment of Nutritional garden		
Season & Year	Kharif 2025		
Main Problem	Children and women are mal nourished		
Main cause of problem	Imbalanced diet , lack of awareness about balanced nutrition (people who rely on daily wages, job less and economic hardship, leading to inadequate access to balance diet.)		
Full detail of farmer's Practice	No concept of nutri garden		
Full detail of technology to be demonstrated	Vegetable seed kit and fruit plants, preparation of layout, training, round the year vegetable calendar		
Source of Technology with year	BAU, Sabour		
Name of the Technology	Nutri Garden		
Thematic area	Household food security by kitchen gardening and nutrition gardening		
Name of villages	Lagma(Asarganj)		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	150-200 sq.m.	No of farmers	20
Performance indicator	(I) Technical indicator- Baseline survey(Hemoglobin, BMI) (II) Economic indicator –yield, Cost of cultivation, Gross income, net return and BC ratio. (III) Farmer Feedback		

FLD-4

Title of FLD	Preparation method of mushroom nuggets for enhancement of nutrition and income		
Season & Year	Rabi 2025-26		
Main Problem	Most of the mushroom producer sell raw mushroom . They are not aware of value added products of mushroom , raw mushroom gets ruined		
Main cause of problem	Unawareness of value added products of mushroom		
Full detail of farmer's Practice	Sell oyster raw mushroom		
Full detail of technology to be demonstrated	Mushroom powder (10%) + Urad dal (40%)+ salt (0.2%)+ black gram lal powder + Red chilly powder + coriander leaves		
Source of Technology with year	SHUATS , Uttar Pradesh ,2021		
Name of the Technology	Mushroom nuggets		
Thematic area	Value addition		
Name of villages	Tilkari,Tetiabambar		
Farming situation	Home steed		
Area (ha)/Unit (No.)	20	No of farmers	20
Performance indicator	(I) Technical indicator- Sensory evaluation (Taste, colour, texture) , storability (II) Economic indicator – Cost of cultivation, Gross income, net return and BC ratio (III) Farmer Feedback-		

FLD-5

Title of FLD	Irrigation applied in Okra through drip irrigation		
Season & Year	Summer 2025		
Main Problem	Low yield due to improper irrigation		
Main cause of problem	Improper irrigation method.		
Full detail of farmer's Practice	Farmers apply ample amount of irrigation water in flood / check basin irrigation method through improper irrigation and wastage of large quantity of water in okra cultivation		
Full detail of technology to be demonstrated	Controlled, measured, frequent and hi-tech irrigation method with more water use efficiency (greater than 90 %) and uniformity		
Source of Technology with year	PFDC. College of Agril. Engg&technology , DRPCAUI, Pusa Samastipur Bihar(2023)		
Name of the Technology	Drip irrigation / micro irrigation		
Thematic area	Installation and maintenance of micro irrigation systems		
Name of villages	Lagma, asarganj. Munger		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	20	No. Of Farmers: 20	
Performance indicator	(I) (II) (III)	Technical indicator- applied irrigation water , WUE(q/ha-cm), saving of water (%) Economic indicator : yield, Cost of cultivation, Gross income, BC ratio Farmer Feedback-	

FLD-6

Title of FLD	Sowing of wheat by zero till multi-crop planter cum fertilizer drill		
Season & Year	Rabi 2025-26		
Main Problem	Low yield		
Main cause of problem	Late sowing		
Full detail of farmer's Practice	Variety- Shree Ram 303, seed rate- 55 kg /ha, time of sowing- 12 December, fertilizer(120:20:0)NPK kg/ha , manual weeding, One irrigation(CRI Stage), yield- 23 q/ha		
Full detail of technology to be demonstrated	Line sowing, DBW187, seed rate 40 kg/ha, time of sowing- 15-30 November, fertilizer dose (120:60:40)NPK kg/ha , manual weeding, two irrigation(at CRI & milking stage), yield- 45q/ha		
Source of Technology with year	CRI, Bhopal,		
Name of the Technology	wheat sown by zero till multi-crop planter cum fertilizer drill		
Thematic area	Repair and maintenance of farm machinery and implements		
Name of villages	Chhoti korian , Asargan. Munger		
Farming situation	Irrigated		
Area (ha)/Unit (No.)	6	No. Of Farmers	15
Performance indicator	(I) Technical indicator- saving of irrigation water(%) ,increased yield (%), no. of weeds/Sq m and yield. (II) Economic indicator : yield, Cost of cultivation, Gross income, net return and BC ratio. (III) Farmer Feedback-		

FLD-7

Title of FLD	Demonstration of Finger Millets		
Season & Year	Kharif 2025		
Main Problem	Major area under kharif season is paddy and maize		
Main cause of problem	Millets face several challenges like low yield , low market price, lack of awareness regarding nutritional benefits.		
Full detail of farmer's Practice	Growing maize , hybrid variety, use of chemical fertilizers, low paddy yields 25-30 q/ha duration 120-135 days and maize(variety –Tulbuliya) low yield 30-35 q/ha		
Full detail of technology to be demonstrated	Seed of millets will be given as input , finger millet variety –GPU28,GKVK,Bengaluru, (1998)		
Source of Technology with year	BAU, Sabour, Bhagalpur		
Name of the Technology	Millets as super food		
Thematic area	Crop diversification		
Name of villages	Harkunda, Haveli Kharagpur, Munger		
Farming situation	Rainfed Hilly area		
Area (ha)/Unit (No.)	1 ha	No of farmers	20
Performance indicator	(I) Technical indicator- yield (II) Economic indicator -Cost of cultivation, Net return, B:C ratio (III) Farmer Feedback-		

FLD-8

Title of FLD	Demonstration of Lentil Variety IPL-220(bio-fortified)		
Season & Year	Rabi 2025-26		
Main Problem	Low yield		
Main cause of problem	Wilting problem		
Full detail of farmer's Practice	Growing Lentil , local variety, high seed rate, low yield- 8-10 q/ha, wilting problem		
Full detail of technology to be demonstrated	Lentil IPL-220 seed ,seed rate 40 kg/ha, yield-14-18 q/ha, wilt resistant, iron content 60 ppm zinc content- 51-63 ppm		
Source of Technology with year	IIPR, Kanpur (IPL220,2018)		
Name of the Technology	Demonstration of bio-fortified variety		
Thematic area	Crop diversification		
Name of villages	Harkunda, Haveli Kharagpur, Munger		
Farming situation	Rainfed Hilly area		
Area (ha)/Unit (No.)	2.5 ha	No of farmers	25
Performance indicator	(I) Technical indicator- yield (II) Economic indicator -Cost of cultivation, Net return, B:C ratio (III) Farmer Feedback-		

Note: Each FLD detail should be given in the format

Note: 25 participants per training

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	Name of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems	5	75	25	100	5	0	5	105
Crop Diversification								
Site specific nutrient management								
Integrated Farming	1	15	5	20	5	0	5	25
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
INM	1	15	5	20	5	0	5	25
Production of organic inputs								
Natural farming								
II Horticulture								
a) Vegetable Crops	1	15	5	20	5	0	5	25
Production of low volume and high value crops								
Off-season vegetables								

Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming	1	15	5	20	5	0	5	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
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	1	15	5	20	5	0	5	25
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	1	15	5	20	5	0	5	25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	15	5	20	5	0	5	25
Storage loss minimization techniques								
Value addition	1	15	5	20	5	0	5	25
Income generation activities for empowerment of rural Women	1	15	5	20	5	0	5	25
Location specific drudgery reduction technologies								
Rural Crafts	3	45	15	60	15	0	15	75
Women and child care	2	30	10	40	10	0	10	50
Mushroom Cultivation	1	15	5	20	5	0	5	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	3	45	15	60	15	0	15	75
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	6	90	30	120	30	0	30	150
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								

Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc.	3	45	15	60	15	0	15	75
Mobilization of social capital								
Entrepreneurial development of farmers/youths	3	45	15	60	15	0	15	75
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production	1	15	5	20	5	0	5	25
Bee-keeping								
Integrated farming	1	15	5	20	5	0	5	25
Seed production								
Production of organic inputs								
Cropping system	1	15	5	20	5	0	5	25
Integrated Farming (Medicinal)								
Installation and maintenance of micro irrigation	1	15	5	20	5	0	5	25
Planting material production								
Vermi-culture								
Sericulture								
Entrepreneurial Development	3	45	15	60	15	0	15	75
Formation and management of SHGs	1	15	5	20	5	0	5	25
Protected cultivation of vegetable crops								
Use of Plastic in Agril.	1	15	5	20	5	0	5	25
Commercial fruit production								
Repair and maintenance of farm machinery and implements	2	30	10	40	10	0	10	50
Nursery Management of Horticulture crops								
Training and pruning of orchards	1	15	5	20	5	0	5	25
Value addition	3	45	15	60	15	0	15	75
Production of quality animal products								
Natural farming	1	15	5	20	5	0	5	25
Skill Development	1	15	5	20	5	0	5	25
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								
TOTAL	17	255	85	340	85	0	85	425
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Cropping System	1	15	5	20	5	0	5	25
Integrated Nutrient management	1	15	5	20	5	0	5	25
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	1	15	5	20	5	0	5	25
Group Dynamics and farmers organization	2	30	10	40	10	0	10	50
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	1	15	5	20	5	0	5	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	1	15	5	20	5	0	5	25
Any other (Pl. Specify) Water management, Enterprise development, Storage loss minimization techniques	3	45	15	60	15	0	15	75
TOTAL	10	150	50	200	50	0	50	250
G. Total	62	930	310	1240	290	0	290	1530

Note: 25 participants per training

B) 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	2	30	10	40	10	0	10	50
Resource Conservation Technologies	1	15	5	20	5	0	5	25
Cropping Systems	6	90	30	120	30	0	30	150
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								

Integrated Crop Management /TDM/IPM	1	15	5	20	5	0	5	25
Fodder production								
Production of organic inputs	1	15	5	20	5	0	5	25
II Horticulture								
a) Vegetable Crops	1	15	5	20	5	0	5	25
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	15	5	20	5	0	5	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								
Cultivation of Fruit	1	15	5	20	5	0	5	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								
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	1	15	5	20	5	0	5	25
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	2	30	10	40	10	0	10	50
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	4	60	20	80	20	0	20	100
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	2	30	10	40	10	0	10	50
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (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	2	30	10	40	10	0	10	50

Group dynamics	4	60	20	80	20	0	20	100
Formation and Management of SHGs(HS)	1	15	5	20	5	0	5	25
Mobilization of social capital	2	30	10	40	10	0	10	50
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)								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
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								
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								
Integrated Farming	1	15	5	20	5	0	5	25
Rejuvenation of old orchards								
Layout and management of orchards	1	15	5	20	5	0	5	25
Production of Natural input	1	15	5	20	5	0	5	25
Protected cultivation technology								
Formation and Management of SHGs	1	15	5	20	5	0	5	25
Group Dynamics and farmers organization								

Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	2	30	10	40	10	0	10	50
Cropping System	2	30	10	40	10	0	10	50
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) RCT	1	15	5	20	5	0	5	25
TOTAL	41	615	205	820	205	0	205	1025

C)Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	10	40	10	0	10	50
Resource Conservation Technologies								
Cropping Systems	11	165	55	220	55	0	55	275
Crop Diversification								
Integrated Farming	1	15	5	20	5	0	5	25
Water management								
Seed production								
Nursery management								
Integrated Crop Management /IDM/IPM	1	15	5	20	5	0	5	25
Fodder production								
Production of organic inputs	1	15	5	20	5	0	5	25
INM	2	30	10	40	10	0	10	50
II Horticulture								
a) Vegetable Crops	2	30	10	40	10	0	10	50
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	15	5	20	5	0	5	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								
Cultivation of Fruit	1	15	5	20	5	0	5	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
Natural farming	1	15	5	20	5	0	5	25
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	1	15	5	20	5	0	5	25
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	1	15	5	20	5	0	5	25
Designing and development for high nutrient efficiency diet	1	15	5	20	5	0	5	25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	15	5	20	5	0	5	25
Storage loss minimization techniques								
Value addition	1	15	5	20	5	0	5	25
Income generation activities for empowerment of rural Women	1	15	5	20	5	0	5	25
Location specific drudgery reduction technologies								
Rural Crafts	3	45	15	60	15	0	15	75
Women and child care	4	60	20	80	20	0	20	100
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	7	105	35	140	35	0	35	175
Use of Plastics in farming practices								
Production of small tools and implements	2	30	10	40	10	0	10	50
Repair and maintenance of farm machinery and implements	6	90	30	120	30	0	30	150
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								

Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	2	30	10	40	10	0	10	50
Group dynamics	4	60	20	80	20	0	20	100
Formation and Management of SHGs	4	60	20	80	20	0	20	100
Mobilization of social capital	2	30	10	40	10	0	10	50
Entrepreneurial development of farmers/youths	3	45	15	60	15	0	15	75
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	15	225	75	300	75	0	75	375
(B) RURAL YOUTH								
Mushroom Production	1	15	5	20	5	0	5	25
Bee-keeping								
Integrated farming	1	15	5	20	5	0	5	25
Seed production								
Production of organic inputs								
Planting material production								
Vermi-culture								
Sericulture								
Entrepreneurial Development	3	45	15	60	15	0	15	75
Protected cultivation of vegetable crops								
Commercial fruit production								
Formation and management of SHGs	1	15	5	20	5	0	5	25
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition	3	45	15	60	15	0	15	75
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								
Cropping system	1	15	5	20	5	0	5	25
Quality seed Production	1	15	5	20	5	0	5	25
Natural farming	1	15	5	20	5	0	5	25
Skill Development	1	15	5	20	5	0	5	25
Layout and management of orchards	1	15	5	20	5	0	5	25
Repair and maintenance of farm machinery implements	1	15	5	20	5	0	5	25
Installation and maintenance of micro irrigation	1	15	5	20	5	0	5	25
Repair and maintenance of different types of agril. machineries	1	15	5	20	5	0	5	25
Use of Plastic in Agril.	1	15	5	20	5	0	5	25
TOTAL	18	270	90	360	90	0	90	450
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Cropping System	3	45	15	60	15	0	15	75
Rejuvenation of old orchards								
Protected cultivation technology								
Water Management	1	15	5	20	5	0	5	25
Formation and Management of SHGs	2	30	10	40	10	0	10	50
Group Dynamics and farmers organization	2	30	10	40	10	0	10	50
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	3	45	15	60	15	0	15	75
Enterprise development	1	15	5	20	5	0	5	25
Layout and management of orchards	1	15	5	20	5	0	5	25
Production of Natural input	1	15	5	20	5	0	5	25
Integrated Farming	1	15	5	20	5	0	5	25
Storage loss minimization techniques	1	15	5	20	5	0	5	25
Nutritional garden	1	15	5	20	5	0	5	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	1	15	5	20	5	0	5	25
Any other (Pl. Specify) RCT	1	15	5	20	5	0	5	25
TOTAL	19	285	95	380	95	0	95	475
G. Total	103	1545	515	2026	495	0	495	2555

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	16	642	95	737	3	0	3	645	95	740
Kisan Mela	5	930	395	1325	12	8	20	942	403	1345
Kisan Ghosthi	18	895	165	1060	6	3	9	901	168	1069
Exhibition	4	175	95	270	12	6	18	187	101	288
Film Show	28	1130	532	1662	18	7	25	1148	539	1687
Farmers Seminar	1	25	6	31	1	1	2	26	7	33
Workshop	1	22	9	31	1	0	1	23	9	32
Group meetings	4	95	30	125	3	1	4	98	31	129
Lectures delivered as resource persons	56	1130	492	1622	110	25	135	1240	517	1757
Newspaper coverage	122	Mass								
Radio talks	5	Mass								

TV talks	2	Mass								
Popular articles	16	Mass								
Extension Literature	12	Mass								
Advisory Services	613	501	91	592	15	6	21	516	97	613
Scientific visit to farmers field	62	895	312	1207	4	2	6	899	314	1213
Farmers visit to KVK	1160	910	195	1105	40	15	55	950	210	1160
Diagnostic visits	24	430	97	527	5	2	7	435	99	534
Exposure visits	4	395	85	480	8	3	11	403	88	491
Ex-trainees Sammelan	3	66	21	87	2	1	3	68	22	90
Soil health Camp	2	44	14	58	1	1	2	45	15	60
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	1	22	9	31	1	1	2	23	10	33
Farm Science Club Conveners meet	1	21	9	30	0	0	0	21	9	30
Self Help Group Conveners meetings	2	44	17	61	1	1	2	45	18	63
Mahila Mandals Conveners meetings	2	0	45	45	0	3	3	0	48	48
Celebration of important days (specify)	12	362	96	458	4	1	5	366	97	463
Krishi Mohostva	2	1125	7312	8437	26	12	38	1151	7324	8475
Krishi Rath	36	2932	932	3864	32	12	44	2964	944	3908
Pre Kharif workshop	1	44	26	70	4	2	6	48	28	76
Pre Rabi workshop	1	46	32	78	6	3	9	52	35	87
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	5	144	82	226	6	2	8	150	84	234
Total	34	13025	11194	24219	321	118	439	13346	11312	24658

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Finger Millets	Rajendra Maruwa-1	3
	Wheat	BHU-25, 31	1
		Sabour Nirjal	1
OILSEEDS			
	Mustard,	RH-725	4
	Linseed	Pratab ALSI-II	3
PULSES	Red Gram	IPL-203,15,2	20
	Lentil	IPL-220	5
VEGETABLES	Potato	Badi Allo	25
		Khufri Mohan	25
OTHERS (Specify)	-	-	-
Total			

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Mango, Litchi, Lemon, Guava	Jardalu, Maldah, Bombay, Fajli	8000
	Pomegranate		
SPICES	-		
VEGETABLES	Seedlings	-	10000
FOREST SPECIES	-	-	
ORNAMENTAL CROPS	-	-	
		Total	18000

C) BIO-PRODUCT

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

D) LIVESTOCK (Nil)

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 :1000

(B) Literature to be developed/published

S.No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	9
3	News letters	Mass
4	Training manual all discipline	
5	Popular article	5
6	Extension literature	10
	Total	

(C) Details of Electronic Media to be Produced

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

3.7. Success stories/Case studies identified for development as a case. -2

- 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 survey
- b) Facial interaction with farmers
- c) As per requirement of farmers/ Agricultural Allied Person

Rural Youth

- a) As per need of rural youths
- b) As per subsidy provided to special agricultural entrepreneur by Govt.

In-service personnel

- a) Innovative agricultural technology (PKVY, Drone Technology, Protected cultivation, Processing, etc.)
- b) Facial interaction with Agricultural Extension Functionaries

3.9 Indicate the methodology for identifying OFTs/FLDs**For OFT:**

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

For FLD:

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

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village:
- iii. No. of PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :2006**2. List of equipment's purchase with amount**

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

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1186	32	-
Water	-	-	-	-
Plant	-	-	-	-

Total				
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4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	DAO, MUNGER	Training, mechanization farm, Rab& Kharif mahotsav, Kisan Mela	
2.	JDA, MUNGER	Kisan gosthi& workshop	
3.	DDM NABARD	Training & Kisan gosthi	
4.	ITC, MUNGER	Training, field visit & Demonstration	
5.	Asst. Director Soil Conservation	Training & Demonstration	
6	ATMA, MUNGER	Training & field visit, exhibition, scientist farmers meet, Kisan Mela	
7	BAIF, MUNGER	Training, Kisan Mela & field visit	
8	Asst. DIRECTOR PLANT PROTECTION, MUNGER	Training & field visit,	
9	Asst. DIRECTOR Horticulture	Training & field visit, Kisan Mela cum exhibition	
10	Asst. DIRECTOR Agril. Engg.	Training & field visit, Mechanization mela	
11	Jeevika, Munger	Training & field visit, Kisan Mela	
12	College of forestry & Research institute, Munger	Training & workshop	
13	District Fisheries officer, Munger	Training	

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 & field visit, exhibition, scientist farmers meet, Kisan Mela	Training & field visit, exhibition, scientist farmers meet, Kisan Mela	-
2			

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	RAWE	180
2		
	Total	

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

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
	PF/FW	Cropping Systems	1	17	8	25	5	0	5	30	Jan.
	PF/FW	Integrated Farming	1	17	8	25	5	0	5	30	Oct.
	PF/FW	INM	1	17	8	25	5	0	5	30	Aug.
Horticulture											
	PF/FW	Production and Management technology	1	17	8	25	5	0	5	30	July
Livestock prod.											
	PF/FW										
	PF/FW										
Agril. Engg.											
	PF/FW	Repair and maintenance of farm machinery and implements	1	17	8	25	5	0	5	30	March
Home Sc.											
	PF/FW	Value addition	1	17	8	25	5	0	5	30	July
	PF/FW	Income generation activities for empowerment of rural Women	1	17	8	25	5	0	5	30	Nov.
Plan prot.											
	PF/FW	IPM	1	17	8	25	5	0	5	30	Feb.
	PF/FW	IDM	1	17	8	25	5	0	5	30	Aug.

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	Weed Management	1	17	8	25	5	0	5	30	Jan.
	PF/FW	Resource Conservation Technologies	1	17	8	25	5	0	5	30	March
Horticulture											
	PF/FW	Nursery raising	1	17	8	25	5	0	5	30	July
	PF/FW	Cultivation of Fruit	1	17	8	25	5	0	5	30	Sept.
Agril. Engg.											
	PF/FW	Installation and maintenance of micro irrigation systems	1	17	8	25	5	0	5	30	June.
	PF/FW	Repair and maintenance of farm machinery and implements	1	17	8	25	5	0	5	30	Feb.
Home Sc.											
	PF/FW	Design and development of low/minimum cost diet	1	17	8	25	5	0	5	30	Nov.
	PF/FW	Women and child care	1	17	8	25	5	0	5	30	Jan.

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 Production		Mushroom Production	1	17	8	25	5	0	5	30	Dec.
Entrepreneurial Development		Entrepreneurial Development	1	17	8	25	5	0	5	30	Oct.

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	
				M	F	T	M	F	T		
On Campus											
12/6/2025	Salahkar, ATM, BTM , DAO, Krishi Sakhi	Layout and management of orchards	1	15	5	20	5	0	5	25	
10/3/2025	Salahkar, ATM, BTM , DAO, Krishi Sakhi	Care and maintenance of farm machinery and implements	2	30	10	40	10	0	10	50	

iv) Sponsored programme(As per need/ Organized by sponsored agency)

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
All	ATMA		Scientific package & practices of RABI Crops.	1	17	8	25	5	0	5	30
	RCT		Sowing method of different crops with minimum tillage	1	17	8	25	5	0	5	30
	NGO		Women in empowerment through capacity building.	1	17	8	25	5	0	5	30
	ITC		Income generation through entrepreneurship development by constituting SHGs/FPOs	1	17	8	25	5	0	5	30
	DAO		Capacity building of farmers through organizing training/ Chaupal/ Awareness programme	1	17	8	25	5	0	5	30
			Total								
b) Sponsored research programme (Nil)											
			Total								
c) Any special programmes (Nil)											
			Total								

Signature of Senior Scientist & Head