PROFORMA FOR ANNUAL REPORT 2024 (01st January- 31st December 2024)

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
	Office	FAX	
Dr. Muneshwar Prasad, Sr. Scientist and Head Krishi Vigyan Kendra, Gandhar, Jehanabad (Bihar), PIN-804432	8102372649	-	**jehanabadkvk@gmail.com**

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur, PIN –813210	0641-2452611	-	deebausabour@gmail.com

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Muneshwar Prasad	-	8102372649	**jehanabadkvk@gmail.com**

1.4. Year of sanction of KVK with council order No. and date: 2006 [Sanction Order F. No. 18027/960AE0I (Pt.) Date of Sanction 24.03.2006, Year of Inception - 2006

1.5. Year of start of KVK: 2007

1.5. Staff Position (**as on 31st December 2024**)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/Others)
1.	Senior Scientist& Head	Dr. Muneshwar Prasad	Sr. Scientist & Head	Horticulture	Level 13A, Basic- 152300	20.07.2019	Permanent	SC
2.	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Agriculture Engineering	Level 11, Basic- 101200	12.11.2007	Permanent	BC
3.	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Animal Science	Level 10, Basic- 77700	16.04.2012	Permanent	Gen
4.	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Entomology	Level 10, Basic- 77700	16.04.2012	Permanent	Gen
5.	Subject Matter Specialist	Dr. Manoj Kumar	Subject Matter Specialist	Agronomy	Level 11, Basic- 104200	11.06.2009	Permanent	Gen.
6.	Subject Matter Specialist	Ms. Varsha Kumari	Subject Matter Specialist	Soil Science	Level 10, Basic-56100		Probation	EBC
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Vacant	-	-	-	-	-	-
9.	Computer Programmer	Manoj Kumar	Programme Assistant (Comp.)	-	Level 6, Basic- 49000	13.05.2013	Permanent	Gen
10.	Farm Manager	Vacant	-	-		-	-	-
11.	Accountant / Superintendent	Sri Ganpati Chaudhary	Assistant	-	Level 6, Basic- 49000	16.04.2013	Permanent	Gen
12.	Stenographer	Abhay Kumar	Stenographer	-	Level 4, Basic- 45400	17.07.2013	Permanent	Gen
13.	Driver	Ayush Kumar	Driver		Level 3, Basic- 26800	11.05.15	Permanent	SC
14.	Driver	Vijay Kumar	Driver	-	Level 3, Basic- 29300	18.05.15	Permanent	EBC
15.	Supporting staff	Vacant	-	-	-	-	-	-
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.490	Office, Training Hall, Kishan Hostel, Staff Quarter
2.	Under Demonstration Units	0.350	Research Unit, Seed Production, Vermicompost Unit, Goatery Unit
3.	Under Crops	5.500	Seed Production Farm
4.	Orchard/Agro-forestry	0.310	HDP Mango Orchard
5.	Pond	0.840	Irrigation Pond
6.	Polyhouse	0.030	Seedling Production
7.	Green House	0.008	Plant Propagation House
8.	IFS	0.001	Dairy Unit
9.	Under Roads	1.470	Road, Canal

**Total area should be matched with breakup*

1.7. Infrastructure Development:
A) Buildings and others

Sl. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Yes	500	Under use	ICAR
2.	Farmers Hostel					Yes	300	Yes	ICAR
3.	Staff Quarters (6)					-	315	Under use	ICAR
4.	Piggery unit								
5	Fencing					50%Comp.	2650 rft	Damage	ICAR
6	Rain Water harvesting structure					-	-	-	-
7	Threshing floor						40	Yes	ICAR
8	Farm godown					Yes	70	Yes	ICAR
9.	Dairy unit					Yes	29.9	Yes	ICAR
10.	Poultry unit						7.16		
11.	Goatry unit						14.23	Yes	
12.	Mushroom Lab	Yes					60.04	Yes	
13.	Mushroom production unit					Yes	60.12	Yes	ICAR
14.	Shade house					Yes	55.0	Yes	ICAR

15.	Soil test Lab							Not functional	
16	Others, (Seed Processing Unit)						10	Not functional	RAU
17	Veg. Processing Unit						50 m^2	Not functional	ICAR

* If not in use, then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Motor bike, BR01CR 8038	2015-16	60000	20101	Functional
Motor bike, BR01CR 8039	2015-16	60000	19707	Functional
Bolero BR 25 P 8971	2018-19	674299	108108	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
P.P Cap Sealing Machine	2015-16	10000	Working	ICAR
Crown corcking machine	2015-16	7000	Working	ICAR
Lug Cap sealer	2015-16	12000	Working	ICAR
Heavy Duty Mixture Grinder	2015-16	12000	Working	ICAR
Pulper	2015-16	30000	Working	ICAR
Fruit mill junior	2015-16	12000	Working	ICAR
Dehydrator Electrical	2015-16	70000	Working	ICAR
Vacuum Filer	2015-16	33000	Working	ICAR
Vegetable Juicer	2015-16	32000	Working	ICAR
Mridaprikshak Soil test lab.	2015-16	75000	Not working	NICRA
b. Farm machinery				
Tractor	22-07-08		Not working	Received from DEE, RAU Pusa
Mobile Seed Processing machine		-		Received from Bihar Govt.
Power Reaper	2013-14	100000	Working	ICAR
Power Reaper	2011-12	86700	Working	NICRA
c. AV Aids				
LCD Projector & Accessories	2010-11	47736.00	Not working	ICAR
Multimedia Projector	2010-11	33750.00	Not working	ICAR
Digital Copier	2010-11	63898.00	Need Repair	ICAR
Stabilizer	2010-11	7800.00	Not working	ICAR
Desktop Computer with monitor (NICRA)	2010-11	43434.00	working	ICAR

HP Laser Printer (NICRA)	2010-11	5938.00	working	ICAR
UPS System (NICRA)	2010-11	2000.00	working	ICAR
P/A System	2010-11	25451.00	Not working	ICAR
MPT Camera	2015-16		Not working	ICAR
MIC	2015-16		working	ICAR
Panasonic 47 LED	2015-16	69565.00	working	ICAR
Dell Monitor	2015-16	62839.00	working	ICAR
CPU	2015-16		working	ICAR
UPS 5KVA Orian	2015-16		working	ICAR
Polycom	2015-16		Not working	RKVY
Video conferencing unit	2015-16	-	Working	Provided by BAU, Sabour
Computer System (Monitor, CPU, UPS, Laptop)	2015-16	82583	Working	Provided by BAU, Sabour
CCTV Camera & DVR	2015-16	21000	Working	Provided by BAU, Sabour
Sound System	2015-16	30165	Working	Provided by BAU, Sabour
Video Camera (Sony)	2015-16	82871	Not Working	Provided by BAU, Sabour
Projector with Tripod Projector Screen (Sony)	2015-16	52000	Working	Provided by BAU, Sabour
Xerox Photo Copier cum printer	2016-17	57142.86	Not working	Provided by BAU, Sabour
Xerox Drum Cartridge	2016-17	20296.19	Working	Provided by BAU, Sabour
Xerox Toner Cartridge	2016-17	6308.58	Working	Provided by BAU, Sabour
LED TV 32" (Panasonic)	2016-17	27200	Working	Provided by BAU, Sabour
Still Photographic camera (Canon)	2016-17	29600	Working	Provided by BAU, Sabour

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zerotill seed cum ferti. Drill	2011-12	57750	Not Working	NICRA
Rotavator	2011-12	99750	Not Working	NICRA
M.B Plough	2011-12	20160	Not Working	NICRA
Disc Harrow	2011-12	38325	Not Working	NICRA
Leveller	2011-12	13125	Not Working	NICRA
Cultivator	2011-12	25725	working	RKVY
Multicrop thresher	2011-12		working	RKVY
Conoweeder	2011-12	1850	working	ICAR
Winnower	2011-12	2850	working	ICAR
M.B Plough	2006-07		working	Received from DEE, RAU Pusa
Disc Harrow	2006-07		working	
Leveller	2006-07		working	
Brush cutter	2015-16	28300	Not Working	ICAR
Paddy transplanter	2016-17	190000	Working	NICRA
Raised bed planter	2016-17	70000	Working	NICRA

Direct seeded rice machine	2016-17	65000	Working	NICRA
Bund Farma Disc model	2016-17	18780	Working	NICRA
Portable water lifting set	2018-19	20500	Working	NICRA

E) Farm implements under Climate Resilient Agriculture Project (CRAP), Govt. of Bihar.

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Green Seeker	2022	-	Working	CRA
Tractor Mounted Sprayer	2022	193520	Working	CRA
Zero till Drill	2021	129000	Working	CRA
Harvester	2021	2759532	Working	CRA
Trolly	2021	151864	Working	CRA
Reaper (Self)	2021	124803	Working	CRA
Weeder &Ridger	2021	50410	Working	CRA
Laser Land leveler	2021	272321	Working	CRA
Raised Bed planter	2021	88392	Working	CRA
Agrimax Rice Wheat Seeder	2021	20000	Working	CRA
Thresher	2021	156000	Working	CRA
Tractor	2021	941756	Working	CRA
Multicrop Planter	2021	88019	Working	CRA
Happy Seeder	2020		Working	CRA

2. Priority thrust areas of KVKs

Sl. No	Thrust area
1.	Quality seed production
2.	Crop diversification.
3.	Probiotics/ prebiotics for enhancing nutrient utilization
4.	Improvement of reproductive efficiency
5.	Integrated Pest Management.
6.	Integrated Nutrient Management
7.	Integrated Weed management
8.	Promotion of agri-enterprises i.e. Beekeeping, Vermi Compost Production, Plant Health Clinic and Mushroom Production
9.	Promotion of Resource conservation Technologies.
10.	Promotion of use of Bio-fertilizers in crop, popularization of organic and Natural farming
11.	Skill upgradation in agricultural and allied enterprises for income generation.
12	Nutritional Management in Livestock

13	Disease management in Livestock
14	Water management in crops
15	Climate Resilient Agriculture
16	Poultry management and Dairy management
17	Enhance agricultural mechanization

2. a. District level data on agriculture, livestock and farming situation (2024)

Sl.No.	Items	Information
1	Major Farming system/enterprise	Paddy – Wheat, Paddy- Wheat- Moong, Paddy- Lentil, Paddy- Chickpea, Fellow- Lentil- Fellow, Paddy- Mustard, Paddy- Potato- Moong
2	Agro-climatic Zone	Zone – III B: The area is alluvial plains with general slope towards North to East. The soils of the zones are classified as old alluvial. The agro climatic condition of the district offers excellent scope for plantation, medicinal and horticultural crops.
3	Agro ecological situation	Humid-hot climate: Rich in both ground and surface water resources and thus it is suitable for agriculture and fishery development
4	Soil type	Old alluvial-Clay: Hard in texture and low in organic matter contents Old alluvial – Loamy: Comparatively brittle and high in organic matter contents
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice- 48.0 Qt./ha, Wheat-38.0 Qt./ha, Chickpea-18.50 Qt./ha, Lentil-13.0 Qt./ha, Oilseeds (Mustard)-13.0 Qt./ha, Maize-67.0 (Rabi), 52.0 (Kharif), 47.0 (Summer) Qt./ha
6	Mean yearly temperature, rainfall, humidity of the district	Mean temp. max-32.84^0 , min-15.62^0 , Humidity Max-99% , Humidity Min=26.66%, Annual rainfall=1051mm
7	Production of major livestock products like milk, egg, meat etc.	Cattle average milk productivity- 9000 L/ day Population: Poultry (Desi)- 34.71 lakh, Improved poultry- 9.62 lakh, duck- 0.052 lakh, Swine- 0.17 lakh, goat- 0.73 lakh, cow- 0.94 lakh, buffalo- 1.25 lakh (Census-2019)

2.b. Details of operational area / villages (2024)

Sl. No.	**Name of Taluk**	**Name of the block**	**Name of the villages**	**Major crops & enterprises**	**Major problems identified (crop-wise)**	**Identified Thrust Areas**
1.	Jehanabad	Ghosi	Sahpur	Paddy, wheat, pulses	False smut, stem borer in paddy, Drought in kharif, infertility & repeat breeding in cattle, mineral deficiency in cattle	Dairy, Poultry & Goatry management, Integrated pest and disease management, Nutritional management, farm implement

2.		Ghosi	Korma	Paddy, wheat, pulses, vegetable, oilseed	Water and weed management, insect–pest management in different crops, infertility & repeat breeding in cattle, mineral deficiency in cattle	Dairy, Poultry & Goatry management, Water and weed management, Varietal evaluation, Farm implement
3.		Modanganj	Rampur charui	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, mineral deficiency in cattle	Integrated pest and disease management, Improved implement Dairy, Poultry & Goatry management
4.		Kako	Safepur, Keshopur Khalispur	Paddy, wheat, vegetable	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, mineral deficiency in cattle	Integrated pest and disease management, Dairy, Poultry & Goatry management, improved implement, Fodder grass
5.		Kako	Deoghara	Paddy, wheat, pulses, flower	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, mineral deficiency in cattle	Integrated pest and disease management, Dairy, Poultry & Goatry management, Weed management
6.		Ghosi	Sahobigha	Paddy, wheat, pulses, oilseed	Supplement of mineral mineral mixture & fodder seed, infertility & repeat breeding in cattle, PPR in goat, contagious disease of poultry, Nutritional deficiency in cattle, improved poultry breed, goat breed distribution, Onion thrips, heat stress in Buffaloes	Integrated pest and disease management Weed management, water management, Dairy, Goatry, poultry, Dairy, Poultry & Goatry management
7.		Ghosi	Godsar, Barasarai	Paddy, wheat, pulses, oilseed, livestock	Natural Resource Management, Water management, False smut, stem borer, gandhi bug in paddy, pink borer and termite in wheat, mineral deficiency in cattle, infertility & repeat breeding in cattle, PPR in goat, contagious disease of poultry, Nutritional deficiency in cattle, improved poultry breed, goat breed distribution, Onion thrips, heat stress in Buffaloes	Water conservation, Integrated pest and disease management, livestock management, Farm implement, Dairy
8		Ghosi	Chhapanna	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle , mineral deficiency in cattle	Improved farm implement for resource conservation, Dairy, Poultry & Goatry management, Integrated pest and disease management

9.		Modanganj	Waina	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle , mineral deficiency in cattle	Improved farm implement for resource conservation Livestock management, Integrated pest and disease management
10		Modanganj	Gandhar	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle, mineral deficiency in cattle	Integrated pest and disease management, Dairy, Poultry & Goatry management
11		Kako	Bhelawar	Paddy, wheat, pulses, oilseed, livestock	PPR disease in goats, gumboro disease in Poultry bird, mineral deficiency in cattle	Integrated pest and disease management, Dairy, Poultry & Goats management
12		Kako	Nonhi	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, Heat stress in cattle	Dairy disease management, Integrated pest and disease management
13		Modanganj	Mustafapur	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, Heat stress in cattle, mineral deficiency in cattle	Integrated pest and disease management, Dairy, Poultry & Goatry management
14		Modanganj	Mananpur	Paddy, wheat, pulses	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, Heat stress in cattle, mineral deficiency in cattle	Integrated pest and disease management, Pulse, oilseed cultivation,
15		Hulasganj	Sarma	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer in pulse, Heat stressand infertility in cattle, Mortality in Fish	Integrated pest and disease management, Dairy & Fishery management

2. c. Details of village adoption programme during 2024:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2024) for its development and action plan

Name of village	**Block**	**Action taken for development**
Amarpura	Modanganj	OFT on Sheath blight in paddy, on farm trial on assessment of cut off ratio in wheat irrigation, Integrated managemenet of Gram Pod Borer
Bandhuganj	Modanganj	On farm trial on assessment of cut off ratio in wheat irrigation, FLD in Poultry and Duck, Vaccination of Goat and OFT in Goat
Jaikishunbigha	Modanganj	Vermicompost production
Mahmadpur	Kako	On farm trial on Anesetrus crossed bred Cow, FLD on Fodder grass, vermicompost production
Milkypar	Modanganj	Vaccination of Goat, OFT in Goat
Sikariya	Jehanabad	On farm trial on Anesetrus crossed bred Cow, FLD on Fodder grass, vaccination in Goat and OFT in Goat
Afzalpur	Kako	On farm trial on assessment of cut off ratio in wheat irrigation
Dayalibigha	Modanganj	FLD on use of fertilizer broadcaster in paddy, vermicompost production, OFT in Anesetrus crossed bred Cow, CFLD on

		Oiseed
Nauserachak	Ghosi	FLD on use of fertilizer broadcaster in paddy, Use of Agri- Drone for Nano urea application
Gandhar	Modanganj	FLD on Fodder crop (Oat), Demonstration on Bio fortified wheat & improved breed of poultry chicks under Schedule Cast Sub Plan, CFLD oilseeds, OFT on Assessment of different methods on productivity of Tomato in medium land
Maulabigha	Modanganj	Improved breed of poultry chicks and Duck, vaccination of Goat, FLD on Veg. pea, Wheat, Chickpea and vegetable seedling
Godsur	Ghosi	Improved breed of poultry chicks and Duck, vaccination of Goat, FLD on Veg. pea, Wheat, Chickpea and vegetable seedling and FLD on Use of BGA in Paddy cultivation
Korma	Ghosi	Improved breed of poultry chicks and Duck, vaccination of Goat, FLD on Veg. pea, Wheat, Chickpea and vegetable seedling
Mustafapur	Modanganj	Integrated managemenet of Gram Pod Borer , On farm trial on Anesetrus crossed breed Cow, FLD on Fodder grass, FLD on fodder crop (Oat) & improved breed of poultry chicks, OFT on assessment of efficacy of Nano DAP on crop growth grain yield in Paddy, OFT on assessment of efficacy of Nano DAP and Bio-fertilizers on crop growth and grain yield in Chickpea
Katrasin	Makhdumpur	On farm trial on assessment of different method of irrigation on productivity of tomato in medium land
Heridih	Makhdumpur	FLD on Fodder grass
Kurthadih	Makhdumpur	Climate Resilient Agriculture
Mirabigha	Makhdumpur	Climate Resilient Agriculture
Mersua	Makhdumpur	Climate Resilient Agriculture
Daharpur	Ghosi	Climate Resilient Agriculture
Karhara	Modanganj	Climate Resilient Agriculture, CFLD on Oilseed
Serthua	Hulasganj	OFT on Anesetrus in cross breed Cow, vermicompost production
Sahpur	Ghosi	CFLD in Oilseed
Atiyawan	Ghosi	CFLD in oilseed
Modanganj	Modanganj	OFT on Anesetrus in cross breed Cow
Kakariya	Jehanabad	FLD on Improved breed of poultry chicks
Sahobigha	Ghosi	On farm trial on Anesetrus crossed bred Cow , fodder crop (Oat), Vermicompost production
Sakrorha	Modanganj	On farm trial on Anesetrus crossed bred Cow, FLD on fodder crop (Oat), Vermicompost production, Animal Health camp
Devghara	Kako	CFLD on pulse
Keshopur	Kako	OFT on management of Nematode in okra, Monitoring of Kisan club, exposure visit, IPM in vegetable, Kitchen Gardening, NARI
Noorpur	Modanganj	CFLD on Oilseed, FLD in Poultry and Duck
Rampur charui	Modanganj	Monitoring of Kisan club, Vaccination programme, CFLD on Oilseed, On farm trial on Anesetrus crossed breed Cow and vermicompost production (SAP)
Safepur	Kako	Monitoring of Kisan club, OFT on Sheath blight in paddy, NARI, conducting Bee keeping, Kisan club, Swachha Bharat Mission programme

Baramsarai	Ghosi	FLD on Fodder grass, FLD on fodder crop (Oat) and improved breed of poultry chicks and Duck, NARI
Waina	Modanganj	Climate Resilient Agriculture Programme
Ranipur	Kako	Animal Health Camp, FLD in Poultry, vaccination of Goat and Cattle, FLD on Fodder Grass
Chhapanna	Ghosi	Climate Resilient Agriculture Programme
Pariyama	Modanganj	On farm trial on Anesetrus crossed bred Cow, Climate Resilient Agriculture Programme
Mananpur	Modanganj	Integrated managemenet of Gram Pod Borer, OFT on management of Nematode in okra, FLD on fodder crop (Oat) & improved breed of poultry chicks
Murgaon	Hulasganj	On farm trial on Anesetrus crossed bred Cow, Vermicompost production (SAP), FLD on Fodder crop
Katauli	Hulasganj	CFLD on Oilseed, FLD on Fodder crop
Gangapur	Hulasganj	CFLD on Oilseed, FLD on Fodder crop

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
10	15	93	32	20	0	0	86	4	118	24	142	15	19	500	115	102	0	0	273	82	388	184	572

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
108	307	2500	1711	2103	0	0	4889	1837	6635	4230	1052 9	25	28	5000	635	600	0	0	8472	3708	1084 0	2575	13415

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
108	307	145	64	0	0	134	48	279	112	391			45	28	0	0	53	7	98	35	133

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Paddy (R. Sweta)	156.36	156.36	0.15	0.15	0.15
Wheat (HD-2967)	115.65	115.65			
Potato var. Bari Aloo, Yusi Maap(Rabi- 2023-24)	31.5	31.5			
Wheat (DBW-187) (Rabi 2024-25)	Standing				

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	-	-

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	6	27	27
2	Varietal Evaluation			
3	Integrated Pest Management	4	16	16
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			

12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify) Water conservation	6	24	24
16	Cropping Systems			
17	Farm Mechanization			
18	Others Micro irrigation system	2	7	7
19	Natural Resource management	4	20	20
	Total	**22**	**94**	**94**
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management	7	30	30
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management	4	10	10
5	Production and Management			
6	Processing and Value addition			

7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**11**	**40**	**40**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	**0**	**0**	**0**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT (All discipline)

OFT 1: Agronomy

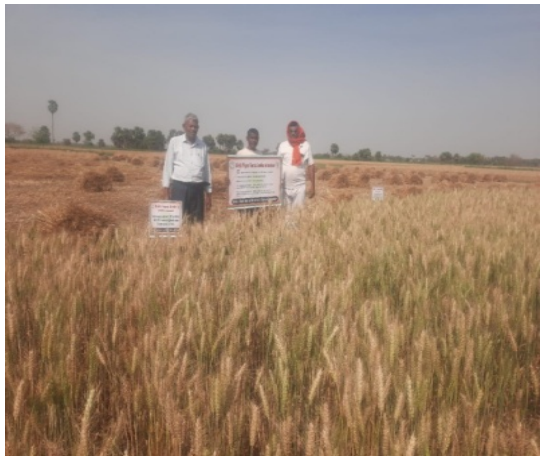
1	Title of on farm Trial	Improvement of Nitrogen use efficiency in wheat
2	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3	Details of technologies selected for assessment/refinement	Farmer Practice: RDF (100:40:20)Kg/ha TO1:50% of RDN &100 % PK+Nano urea @ 4ml/lt.water (Single spray at 35 DAS). TO2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water. Under Rice-Wheat croppings system.
4	Source of Technology	BAU Sabour, BAU, Sabour
5	Replication	10
6	Production system and thematic area	Rice-Wheat, Nutrient Management
7	Observation to be recorded	Yield data, No. of effective tillers/m^2,1000 grain wt., Panicle wt.,Straw yield and Economics.

Soil data of soil sample tested: pH: 7.2, EC: 0.54 mm mhos/cm, OC: 0.56%, N: 377.3, P: 20.3, K: 198.3 kg/ha

Table: Yield, yield attributing characters and economics as influenced by Nitrogen use efficiency in Wheat

Technology option	No. of trials	Yield component			1000 grain wt. (g) Test wt.	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height at harvest (cm)	Effective tillers/ m sq.	No. of grains/ spike						
Farmer Practice: RDF(100:40:20)Kg/ha	10	72.8	382	28	35.5	30.6	39550	87440	47890	2.21
TO-1:50% of RDN &100 % PK+Nano urea @ 4ml/lt.water (Single spray at 35 DAS).	10	77.6	418	34	38.6	33.0	40550	97200	56650	2.39
TO-2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water. Under Rice-Wheat croppings system.	10	82.2	436	37	40.8	35.2	41658	102480	41550	2.46

Result: On the basis of conducted OFT topic entitled Improvement of Nitrogen use efficiency in wheat during the Rabi season 2023-24, the best treatment recommended are TO-2 which yielded 35.2 q/ha which was significantly superior over farmer practice i.e. 30.6 q/ha, so on the basis of above presented data in the table it would be recommended the best treatment details was TO-2


OFT 2: Agronomy

1	Title of On farm Trial	Integration of fertilizer in different form on yield of Lentil
2	Problem diagnosed	Injudicious use of chemical fertilizer
3	Details of technologies selected for assessment/refinement	Farmer Practice: Seed Treatment + RDF(15:45:0, N:P:K) TO1:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre-flowering stage) TO2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage)
4	Source of Technology	BAU, Sabour
5	Replication	9
6	Production system and thematic area	Rice-Lentil-Fallow Nutrient Management
7	Observation to be recorded	Growth parameter, yield attributing characters, Grain Yield and Economics

Soil data of soil sample tested: pH: 6.7, Ec:: 0.50 mm mhos/cm , OC:: 0.51%, N::347.5 kg/ha, P::20.1 kg/ ha, K::222.4 kg/ha

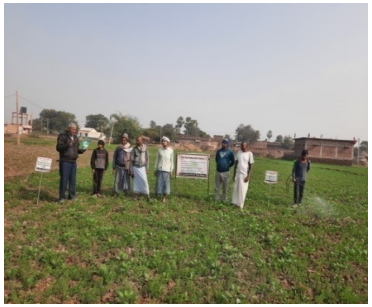
Table: Growth parameter, Yield attributing characters, Yield and economics are affected by integration of fertilizers in different form on yield of Lentil

Technology option	No. of trials	Yield component			1000 seed weight (g)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height at harvest (cm)	No. of pods per plant	No. of branches/ plant						

Farmers Practice: seed treatment + RDF	9	31.6	34	5	13.9	10.4	27960	62700	34740	2.24
TO1: 50% of RDF + WS (Water soluble fertilizers i.e 18:18;18 @ 5gm/water (single spray at pre flowering stage)		34.3	37	6	15.5	11.6	27960	70000	42040	2.50
TO2: Seed treatment with PSB+ R.culture, 50% of RDF + WS (Water soluble fertilizers i.e 18:18;18 @ 5gm/water (single spray at pre flowering stage)		35.0	40	7	16.5	12.7	28900	77650	48750	2.68

Result: Data presented in the table revealed that maximum yield attributing characters, yield and economics was recorded in the TO-2 in the tune of 12.7 q/ha whereas in the minimum yield was recorded in the farmer practice i.e. 10.4 q/ha, so on the basis of above data presented in the table, the best treatment result was TO-2 i.e. seed treatment with PSB + Rhizobium culture, 50% RDF+WS- seed treatment with PSB + Rhizobium culture,18:18:18 @ 5 g/L water single spray at pre flowering stage.





OFT 3: Agronomy

1	Crop	Mustard
2	Season	Rabi 2024-25
3	Area of Mustard in Jehanabad district	1837 ha
4	District yield	13.0 q/ha
	State yield	13.73 q/ha
5	Problem diagnosed	Low yield of Mustard
6	Main cause	Inbalalced use of chemical fertilizer and no use of Sulphur in soil as nutrient
7	Title of On farm Trial	Assesment of Efficacy of sulphur on Mustard
8	Farming situation	Soil type- Clay loam soil Land type- Medium land Irrigation type- Borewell Previous crop- Rice
9	Production system and thematic area	Rice-Mustard-Mustard, Integrated Nutrient Management
10	Details of technologies selected for assessment/refinement	Farmer Practice: NPK 100:40:20 kg /ha TO1: RDF NPK 80:40:40 kg /ha + bentonite sulphur @ 20 kg /ha + seed dressing with azotobactor @ 5 ml per kg seed TO2: RDF NPK 80:40:40 kg /ha + bentonite sulphur @ 20 kg /ha + seed dressing with PSB @ 5 ml per kg seed
11	Source of Technology	DRMR Bhartpur Rajasthan 2021
12	Replication	8
13	Observation to be recorded	Grain Yield, Growth parameter and yield attributing character, Economics

Result: Standing

OFT 4: Entomology

- **Thematic area:** Integrated Pest Management
- **Problem definition/Name of OFT: Management of nematode in Okra**

1.	Title of On Farm Trial	**Management of nematode in Okra**
2.	Problem diagnoses	Nematode cause yield loss in okra. Due to damage symptom underground soil very difficult to manage by farmers once infestation occurred
3.	Details of technologies selected for assessment/refinement	Farmer Practices: Chalorpyriphos spray @ 3 ml/ lt. TO1: • Soil solarization with polythene (40 µ m) white sheet for two weeks • Soil Treatment: Pseudomonas fluorescens @ 20 gm/m2 + Trichoderma viride @ 50 g/m2

		• Seed Treatment: Pseudomonas fluorescens @ 10 gm/kg + Trichoderma viride @ 10 g/kg TO2: Carbafuran 3G @ 3.6 gm/m^2
4.	Source of Technology	Bihar Agricultural University, Sabour, Bihar
5.	Production system and thematic area	Rice-Potato-Okra Integrated Pest Management
6.	Performance of the Technology with performance indicators	The infestation of nematode pest complex is reduced and increase yield marginally.
7.	Final recommendation for micro level situation	For management of nematode pest complex in okra the both (TO1 and TO 2) is recommended.
8.	Constraints identified and feedback for research	Assessment of another molecules
9.	Process of farmers participation and their reaction	Actively participated with adaptation of the technology

B. Results:

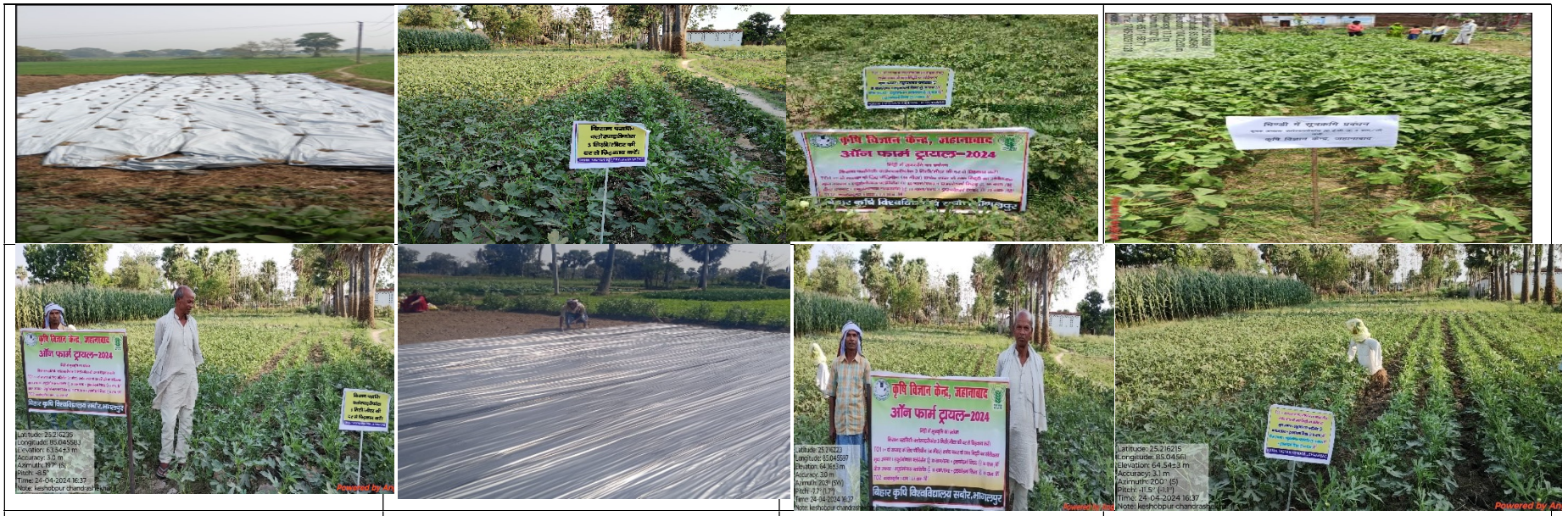
Table: Yield and economics as influenced different methods of management of Nematode in Okra

Technology options with detailed treatments	**Area (ha)**		**60 DAS**			**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
	Proposed	**Actual**	Meloidogyne sp.	Meloidogyne Sp. (Galls per plant)	Others Sp. Before crop					
Farmer Practices	8	8	290	7.5	39	248.25	51000	446850	395850	8.76
TO1:	8	8	100	2.5	12	260.75	53500	469350	415850	8.27
TO2:	8	8	65	2.3	10	261.30	51500	468540	417040	9.10

*Plant Nematode population count in 200 cc soil

Result: Results revealed that the higher yield of okra (261.30 q/ha) and 9.10 BC ratio with mean 65, 2.3 and 10 nematode population of okra were recorded in plots treated with TO2 followed by plots treated TO1, the yield (260.75 q/ha) and 8.27 BC ratio with mean 100,2.5 and 12 nematode population of okra observed. Whereas plots treated with Farmer practices, the yield (248.25 q/ha) and 8.76 BC ratio with mean 290, 7.5 and 39 nematode population of okra were recorded.

Therefore, it can be concluded that the treatment TO2 and TO3 treated plots produce marginally higher yields and reduced the infestation of the sucking pest complex in okra. TO2 and TO3 are recommended to manage the nematode pest complex in okra. (Avg. Sell price @ Rs.18/Kg.)



Farmers practice	**TOI TO1**	**TOII TO2**	

OFT 5: Entomology

1.	Title of On Farm Trial	**Assessment of fungicides for the management of Sheath blight of Rice**
2.	Problem diagnoses	Five- to six-week-old leaf sheaths are highly susceptible. Several large lesions on a leaf sheath usually cause death of the whole leaf, and in severe cases, a plant's leaves may be blighted in this way.
3.	Details of technologies selected for assessment/refinement	Farmer practice: Spray of hexaconazole 5 EC @800ml/ha TO1: Spray of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha. TO2: Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting)
4.	Source of Technology	Indian Institute of Rice Research Hyderabad
5.	Production system and thematic area	Rice-Wheat, Integrated Pest Management
6.	Performance of the Technology with performance indicators	The Sheath blight of Rice is reduced and increases yield marginally.
7.	Final recommendation for micro-level situation	For the management of Sheath blight of Rice, both (TO1 and TO 2) are recommended.
8.	Constraints identified and feedback for research	Assessment of other molecules
9.	Process of farmers' participation and their reaction	Actively participated in the adaptation of the technology

B. Results

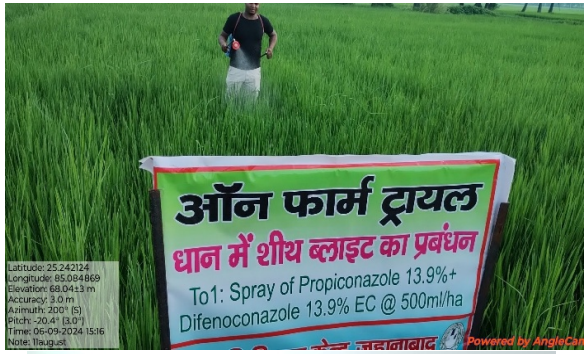
Table: Yield and cost of cultivation as affected by spraying of different fungicides for the management of Sheath blight in Rice

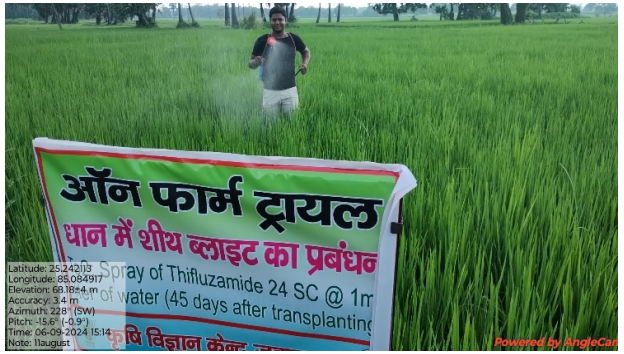
Technology options with detailed treatments	Area (ha)		R.L.H.	Yield (q/ha)	% Increase	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
	Proposed	Actual							
Farmer Practices	8	20	9.8	40.5	-	42000	88412	46412	2.11
TO1:	8	20	2.8	42.8	5.6	43000	93432	50434	2.17
TO2:	8	20	2.3	43.5	7.4	43000	94961	51961	2.21

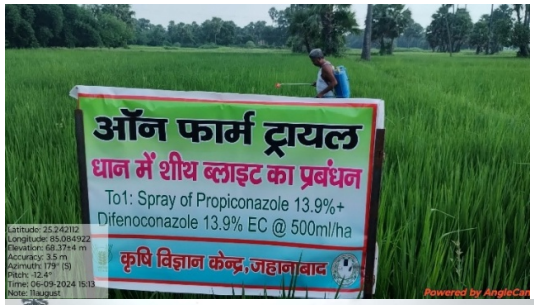
Result*:* The results indicated that the highest paddy yield (43.5 q/ha) with a benefit-cost (BC) ratio of 2.21 and an average % Relative Lesion Height (RLH) of 2.3 was recorded in plots treated with Technical Option 01 (TO1). This was followed by plots treated with **Technical Option 02 (TO2)**, which yielded 42.8 q/ha, had a BC ratio of 2.17, and an average RLH of 2.8. In contrast, plots managed under **farmer practices (dense transplanting)** recorded a lower yield of 40.5 q/ha, a BC ratio of 2.11, and a significantly higher RLH of 9.8.

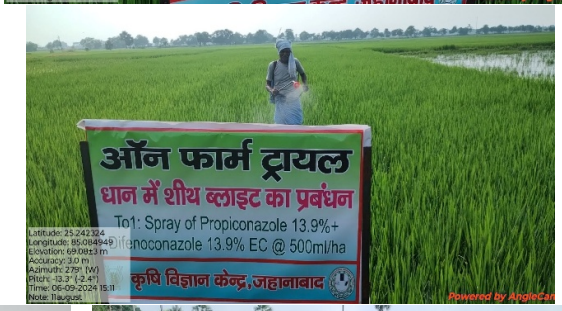
These findings suggest that TO1 and TO2 treatments result in a marginally higher yield and effectively reduce sheath blight infestation in paddy. Therefore, TO1(Spray of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha) and TO2 (Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting)) are recommended for the effective management of sheath blight in paddy cultivation.


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन
To1: Spray of Propiconazole 13.9%+
Difenoconazole 13.9% EC @ 500ml/ha
कृषि विज्ञान केन्द्र ,जहानाबाद


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन
To1: Spray of Propiconazole 13.9%+
Difenoconazole 13.9% EC @ 500ml/ha


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन
To1: Spray of Propiconazole 13.9%+
Difenoconazole 13.9% EC @ 500ml/ha
कृषि विज्ञान केन्द्र ,जहानाबाद


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन
To1: Spray of Propiconazole 13.9%+
कृषि विज्ञान केन्द्र ,जहानाबाद


ऑन फार्म ट्रायल
धान में शीथ ब्लाइट का प्रबंधन
To1: Spray of Propiconazole 13.9%+
Difenoconazole 13.9% EC @ 500ml/ha
कृषि विज्ञान केन्द्र ,जहानाबाद

OFT 6: (Agril. Engg.) Rabi 2023-24

1.	Title of On farm Trial	Assessment of Cut Off ratio in wheat irrigation
2.	Problem diagnose	Water scarce situation during Rabi season
3.	Details of technologies selected for assessment/refinement	Farmer practice: 100% irrigation TO1: Irrigation at 90% cut off TO2: Irrigation at 80% cut off
4.	Source of Technology	ATARI, Patna
5.	Production system and thematic area	Rice- Wheat, Water Conservation
6.	Performance of the Technology with performance indicators	Stream size (lpm), Strip size (m), Water use (cm), yield (q/ha), water saving (%), water efficiency (kg/ha-cm)
7.	Final recommendation for micro level situation	TO2 (Irrigation at 80 % cutoff) performed best
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Discussion with farmers during Training Programmes Observation during field visits

B. Results

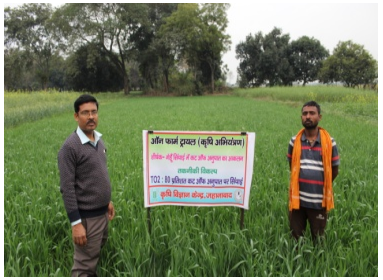
Table: Effect of different irrigation cutoff ratio in Wheat

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Water applied (Cubic meter/ha)	Water saving(Cubic meter/ha)	Yield (q/ha)	Water Use Efficiency (Kg/ha-cm)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed	Actual								
Water Conservation	FP: 100% irrigation	0.4	0.4	2088.2 (20.88 cm)	-	39.1	187.26	38600	88953.0	50353.0	2.30
Water Conservation	TO1: Irrigation at 90% cut off	0.4	0.4	1926.4 (19.26 cm)	161.8	42.2	219.10	37200	96005.0	58805.0	2.58
Water Conservation	TO2: Irrigation at 80% cut off	0.4	0.4	1814.0 (18.14 cm)	274.2	41.8	230.42	35600	95095.0	59495.0	2.67

***No. of Irrigation: 3**


Farmer practice: 100% irrigation


TO1 (Irrigation at 90% cut off)


TO2 (Irrigation at 80 % cutoff

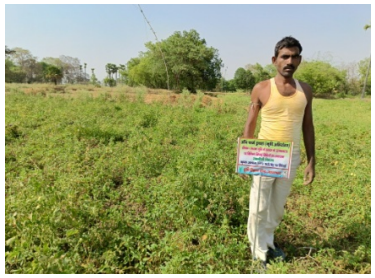
Result: Result depicted that TO2 (Irrigation at 80 % cutoff) performed best in terms of B:C ratio as 2.67 (wheat var. HD 2967 Yield 41.8 q/ha) followed by TO1 (Irrigation at 90% cut off) with yield 42.2 q/ha and B:C ratio 2.58 as compared to 39.1 q/ha yield with B:C ratio 2.30 in Farmers practice.

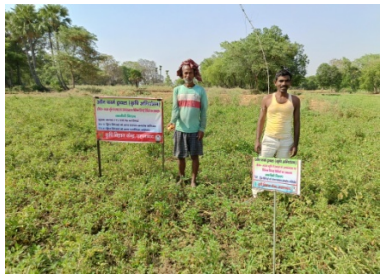
OFT 7: (Agril. Engg.) Rabi 2023-24

1.	Title of On farm Trial	Assessment of different methods of irrigation on productivity of tomato in medium land.
2.	Problem diagnose	Consumption of excess water in furrow/bed method of irrigation in tomato
3.	Details of technologies selected for assessment/refinement	**Farmer practice:** furrow/ bed irrigation **TO 1:**Drip irrigation with crop residue mulch **TO 2:** Drip irrigation with plastic mulching
4.	Source of Technology	ATARI, Patna
5.	Production system and thematic area	Rice- Oilseed/Pulse –Vegetable and Micro Irrigation System
6.	Performance of the Technology with performance indicators	Water applied (cm), saving of water (%), yield (q/ha), water efficiency (kg/m^3)
7.	Final recommendation for micro level situation	TO-2 (Drip irrigation with plastic mulching) consumed minimum quantity of water and produced maximum tomato yield
8.	Constraints identified and feedback for research	Greater Cost of drip irrigation installation
9.	Process of farmers participation and their reaction	Discussion with farmers during Training Programmes Observation during field visits

B. Table : Effect of different methods of irrigation on productivity of tomato in medium land.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		No. of in Irrigation	Water applied (Cubic meter/ha)	Water saving(Cubic meter/ha)	Yield (q/ha)	Water Use Efficiency (Kg/m^3)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual									
Micro Irrigation System	FP:furrow/ bed irrigation	0.315	0.315	16	7840 (78.4 cm)	-	251	3.2	70600	25100	180400	3.55
Micro Irrigation System	TO 1: Drip irrigation with Crop Residue mulch	0.315	0.315	11	5060 (50.6 cm)	2780	302	5.96	74500	30200	227500	4.05
Micro Irrigation System	**TO 2:** Drip irrigation with plastic mulching	0.315	0.315	2.58 hr with 2 day interval	2476.8 (24.76 cm)	5363.2	462	18.65	98800	462000	363200	4.67


Farmer practice: furrow/ bed irrigation


TO1 (Drip irrigation with crop residue mulch)


TO2 (Drip irrigation with plastic mulching)

Result: OFT result revealed that TO2 (Drip irrigation with plastic mulching) consumed minimum quantity of water (2476.8 cubic meter/ha) and produced maximum tomato (cv. Kashi Aman) yield of 462.0 q/ha with B: C ratio of 4.67 followed by TO1 (Drip irrigation with crop residue mulch) with 302.0 q/ha yield and B: C ratio of 4.05 in comparison to farmers practice plot with yield of 251.0 q/ha and BC ratio 3.55.

OFT 8: (Agril. Engg.)

1	Season:	Rabi 2024-25
2	Crop	Wheat
3	Season:	Rabi
4	Problem diagnosed:	Availability of 3 irrigations facility only due to water scarce situation during Rabi season and lower yield
5	Important Cause:	5 Full irrigation is difficult
6	Title of the OFT 1:	Assessment of different irrigation schedules for optimization of water use efficiency and yield of wheat in water scarce condition
7	Farming situation:	Soil Type- Clay loam, Land type-Medium upland, Irrigation type-borewell, Previous crop- Rice
8	Thematic Area:	Water Conservation
9	Farmers Practice (Existing practice)	Wheat cultivation with 3 irrigations at irregular interval
10	Production system:	Rice-Wheat
11	Technology option selected for assessment:	Farmers Practice : Wheat cultivation with 3 irrigations at irregular interval Technology option 1: Wheat cultivation with 2 irrigations at 20-25 DAS, 80-85 DAS Technology option 2: Wheat cultivation with 3 irrigations at 20-25 DAS, 65-70 DAS , 90-100 DAS
12	Hypothesis:	Irrigation at regular interval would maintain maximum yield of wheat in limited availability of water for 3 irrigations
13	Objective(s):	Maximum production per unit water. Proper Scheduling of irrigation for maintaining yield levels and improvement in water use efficiency in limited water availability condition
14	Critical Inputs:	Seed (cost on making ridges/ subsidiary bunds in the field and other cost related to irrigation etc.)
15	Unit Size:	0.125 ha
16	No of Replications:	8
17	Unit Cost:	Rs. 2000
18	Total Cost:	Rs. 16000
19	Monitoring Indicator	Water use , water saving (%), water use efficiency (kg/ha-cm), yield (q/ha) and Economic Indicator: Net return, B: C ratio
20	Source of Technology	BAU, Sabour

Result: Crop Standing and result awaited

OFT 9: (Agril. Engg.)

1	Season:	Rabi 2024-25
2	Crop	Maize variety bahubali
3	Season:	Rabi
4	Problem diagnosed:	Application of excess irrigation water and lower yield
5	Important Cause:	Excessive application of irrigation water till stagnation for long duration if wild flood irrigation method is used
6	Title of the OFT 2	Assessment of different methods of irrigation for effective water management in maize
7	Farming situation:	Soil Type- Clay loam, Land type- Medium upland, Irrigation type-borewell, Previous crop- Rice
8	Thematic Area:	Water Conservation
9	Existing Practice:	Flood irrigation method (Farmers Practice)
10	Production system	Rice- Wheat/ Maize
11	Technology option selected for assessment:	Farmer practice: Flood irrigation TO 1: Fixed furrow Irrigation TO 2: Skip furrow Irrigation
12	Hypothesis:	Water application by skip furrow irrigation method will save irrigation water and maintain yield
13	Objective(s)	Irrigation by suitable method for water saving, optimum yield and water use efficiency
14	Critical Inputs:	Seed (cost on making subsidiary bunds for furrow irrigation in the field etc.)
15	Unit Size:	0.125 ha
16	No of Replications:	8
17	Unit Cost:	Rs. 2000
18	Total Cost:	Rs. 16000
19	Monitoring Indicator	Water applied , saving of water (%), water use efficiency (kg/ha-cm), yield (q/ha) and economics
20	Source of Technology	CIAE, Bhopal

Result: Crop Standing

OFT 10: (Soil Sc.)

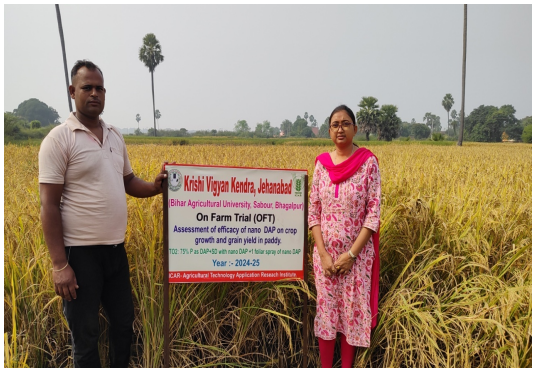
Crop	Rice cv. Rajendra Sweta

Season	Kharif
Problem	Low yield of rice
Main cause	Injudicious use of fertilizers
Title of OFT	Assessment of efficacy of nano DAP on crop growth and grain yield
Farming situation	Soil type: Sandy loam Land type: Plain Irrigation type: Tubewell Previous crop: Wheat
Thematic area	Natural Resource Management
Farmer practice	**TO1:** Farmers Practice - 187.5 : 75 : 37.5 :: NPK (100% P as DAP)
Technology option selected for assessment	**TO2:** 75% P as DAP + ST/SD with nano DAP + Foliar spray with nano DAP 4 mL/L water at tillering stage **TO3:** 75% P as DAP + ST/SD with nano DAP + 1st Foliar spray with nano DAP 4 mL/L water at tillering stage and 2nd foliar spray at panicle initiation stage
Seed treatment (ST)	Nano DAP @ 5 mL/kg seed
Seedling dippling (SD)	Nano DAP @ 5 mL/L water
Source of technology	ICAR-RCER, Patna : Annual Report 2021
Total area	1.0 ha
No. of trial	10
Detail of critical input	Nano DAP
Cost of critical input	Rs. 600 / 500 mL
Performance indicator to be recorded	(i) Soil data before and after (pH, EC, OC, NPK,) (ii) Technical indicator (No. of tillers, effective tillers, grains per panicle, yield (Q/ha) (iii) Economic indicator (Cost of cultivation, gross return, net return, B:C ratio) (iv) Farmer perception

Soil parameters	Before sowing	After harvesting
pH	6.8	6.4
EC	0.72	0.82
OC (%)	0.61	0.57
N(kg/ha)	407.1	383.3
P(kg/ha)	16.1	19.9
K(kg/ha)	272.4	268.3

Table: Effect of nano DAP on crop growth and yield of rice cv. R Sweta

Technology option	Yield component			1000 seed weight (g)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
	No. of tillers per sq. m	Effective tillers per sq. m	Grains per panicle						
T.O.1: Farmers Practice - 187.5 : 75 : 37.5 :: NPK (100% P as DAP)	179.03	164.87	119.42	17.53	33.78	40650	77694	37044	1.9
T.O.2: 75% P as DAP + ST/SD with nano DAP + Foliar spray with nano DAP 4 mL/L water at tillering stage	191.80	179.40	130.83	19.67	41.32	41250	95036	53786	2.30
T.O.3: 75% P as DAP + ST/SD with nano DAP + 1st Foliar spray with nano DAP 4 mL/L water at tillering stage and 2nd foliar spray at panicle initiation stage	195.03	180.87	132.07	20.53	42.78	42500	98394	55894	2.31



OFT 11: (Soil Sc.)

- **Thematic area:** Natural Resource Management
- **Problem definition/Name of OFT:** Low yield of chickpea

Crop	Chick pea variety Sabour Chana-1
Season	Rabi
Problem	Low yield of chick pea
Main cause	Injudicious use of fertilizers
Title of OFT	Assessment of efficacy of nano DAP and biofertilizers on crop growth and grain yield
Farming situation	Soil type: Sandy loam Land type: Plain Irrigation type: Tubewell Previous crop: Rice
Farmer practice	**T.O. 1:** Farmers Practice – 0 : 30 : 0 :: NPK (100% P as DAP)
Technology option selected for assessment	**T.O. 2:** 75% P as DAP + foliar spray of nano DAP @4mL/L of water at branching stage **T.O. 3:** Seed treatment with PSB, Rhizobium + 75% of P as DAP + foliar spray of nano DAP @4mL/L of water at branching stage
Source of technology	ZRS, Kalaburagi, Karnataka (2024)
No. of trial	10
Total area	1.0 ha
Detail of critical input	Rhizobium, PSB, Nano DAP
Performance indicator to be recorded	(i) Soil data before and after (pH, EC, OC, NPK) (ii) Technical indicator (Grain Yield (Q/ha), no. of plant/m^2,100 grain wt., no. of pod /plant, stover yield) (iii) Economic indicator (Cost of cultivation, gross return, net return, B:C ratio) (iv) Farmer perception

Status: Crop standing and result awaited

OFT 12: (Animal Sc.)

- **Thematic area:** Diseases Management
- **Problem definition/Name of OFT:** Bacterial infection of reproductive system

1.	Title of On farm Trial	**Effect of intrauterine antimicrobials treatment in repeat breeding cross bred cows.**
2.	Problem diagnosed	Bacterial infection of reproductive system
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** 1.5 -2.0 kg spouted wheat/gram for 5-6 days +6-7 kg green grass (Tradition feeding) and1-1.5kg concentrate mixture **TO1:**FP +Ciprofloxacin &Tinidazole combination @30ml daily for 5 days + GnRhprepration @5ml I/M route 12 hrs before Insemination. **TO2:**FP + Ciprofloxacin &Tinidazole combination @30ml daily for 5 days + D0:GnRh (Buserelin) 10 microgram +D7:PGF_2alfa 500 microgram + D9:GnRh (Buserelin) 10 microgram and D10 fixed time A.I. **TO3:** FP+ Ciprofloxacin &Tinidazole combination @30ml daily for 5 days + D0:GnRh (Buserelin) 10 microgram +D7:PGF_2alfa 500 microgram + D9:Oestradol 1 milligram of therapeutic trial and D10 fixed time A.I.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI,Bairely,UP.
5.	Production system and thematic area	Calf and Diseases Management
6.	Performance of the Technology with performance indicators	Reproductive performance, Conception rate and B:C ratio
7.	Final recommendation for micro level situation	Mineral deficiency and hormonal imbalance.
8.	Constraints identified and feedback for research	Nutritional deficiency
9.	Process of farmers participation and their reaction	On farmers field and well
10.	No. of replication	10

Table: Performance of reproductive system and Conception rate in cross bred cattle

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		Conception/ Pregnancy rate	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Proposed	**Actual**					
Disease	**FP:**1.5 -2.0 kg spouted wheat/gram for 5-6 days	10	10	30	205850	240000	34150	**1.1**

Management	+6-7 kg green grass (Tradition feeding) and 1-1.5kg concentrate mixture							
Disease Management	**TO1:** TO +Ciprofloxacin &Tinidazolecombination@30ml daily for 5 days + GnRhprepration@5ml I/M route 12 hrs before Insemination	10	10	40	210350	270000	59650	**1.2**
Disease Management	**TO2:**TO + Ciprofloxacin &Tinidazolecombination @30ml daily for 5 days + D0:GnRh (Buserelin) 10 microgram +D7:PGF_2alfa 500 microgram+D9:GnRh (Buserelin) 10 microgram and D10 fixed time A.I.	10	10	50	215350	300000	84650	**1.3**
Disease Management	**TO3:** TO + Ciprofloxacin &Tinidazole combination @30ml daily for 5 days + D0:GnRh (Buserelin) 10 microgram +D7:PGF_2alfa,500microgram+D9:Oestradol 1 milligram of therapeutic trial and D10 fixed time A.I.	10	10	50	213950	300000	86050	**1.4**

Results: The better conception and pregnancy rate found in repeat breeding cross breed cows can be obtained by TO3 (Ciprofloxacin & Tinidazole combination @30ml daily for 5 days + D0: GnRh (Buserelin) 10 microgram +D7: PGF_2alfa,500microgram+ D9: Oestradol 1 milligram of therapeutic trial and D10 fixed time A.I.) treatment through the cost of intervention seems to be higher than other treatment groups.

OFT 13: (Animal Sc)

- **Thematic area:** Nutritional management.
- **Problem definition/Name of OFT:** Hormonal Imbalance and delayed ovulation or an ovulation

1.	Title of On Farm Trial	Comparative studies on different herbal medicines for induction of estrus in anoestrus buffalo heifer.
2.	Problem Diagnose	Hormonal Imbalance and delayed ovulation or an ovulation
3.	Details of Technologies selected for assessment /refinement	FP : Anoestrus buffalo heifers(Farmer Practice). TO1: Mineral mixture @ 50g orally for 10 days . TO2: TOI+ Prajana HS @ 3 capsule daily for 2 days followed by 3 capsules orally for 2 days on 11th day of study. TO3:TOI+*Randiadumetorum (*madanphala*)*@ 15g. Orally, daily for 4 days of study TO4: TOI +*Tinosporacordifolia (Giloy)* @ 25g. Orally daily for 10 days of study.
4.	Source of technology	*Department of Veterinary Gynecology and Obstetrics,*

		Narendra Deva University of Agriculture and Technology, Faizabad- U.P, and veterinary college and research intitute ,orathanadu & veterinary animal science university tamilnadu ,India
5.	Replication	10
6.	Production system & Thematic Area	Calf and Nutritional management.
7.	Performance of Technology with performance indicator	Reproductive performance, Conception rate and B:C ratio
8.	Process of farmers participation and their reaction	Discussion with farmers during Training Programmes Observation during field visits

Table: Reproductive performance and conception rate in Anestrous Boffalo Hiefer

Technology option	**No. of trials**	**Yield component Pre & Post treatments**					**Milk production (liters)**	**Gross Cost of animals feeding /medicine /Mineral mixture (Rs.)**	**Gross return (Rs calf,@10,000 & milk @50/lit)**	**Net return (Rs.)**	**B :C ratio**
		Age of Heifer	**Occurrence of heat**	**Insemination**	**Occurrences of heat/Conceived**	**Conception / pregnancy rate**					
		years	**hours**	**Natural/AI**		**%**					
FP : Anestrus buffalo heifers (Farmer Practice)	10	4.2	3	Inseminated	3+Ve	30	4.2	65500	92000	26500	1.40
TOI: Mineral mixture @ 50g orally for 10 days	10	4.3	3	Inseminated	4+Ve	40	4.3	66000	95500	29500	1.44
TO II: TOI+ Prajana HS @ 3 capsule daily for 10 days	10	4.2	5	Inseminated	4 +Ve	40	4.6	65800	96000	30200	1.45
TOIII: TOI+Randiadumetorum (madanphala)@ 15g. Orally, daily for 10 days of study.	10	4.1	5	Inseminated	4 +Ve	40	4.7	66800	96000	30150	1.43

TO IV: TOI+Tinosporacordifolia (Giloy) @ 25g. Orally daily for 10 days of study	10	4.2	6	Inseminated	5 +Ve	50	4.8	66850	97000	29030	1.45

Problem definition: Nutritional and Hormonal deficiency.

Technology assessed: Supplementation of minerals and hormonal are improve estrus cycle & normal reproductive system in cows.

Results: Results indicate the better conception and pregnancy rate in anestrus heifer buffaloes can be obtained by TO: IV(Mineral mixture @ 50g +*Tinosporacordifolia* ***(Giloy)*** @ 25g,Orally daily for 10 days) treatment through the cost of intervention seems to be higherthan other treatment groups.

OFT 14: (Animal Sc.)

1.	Season:	Rabi 2024-25
2.	Title of On farm Trial	Using Double Dose of GnRH for Reducing Incidence of Cystic Ovaries in Cows
3.	Problem diagnosed	Nutritional and hormonal imbalance of dairy cows
4.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO: Farmer Practice :Without any hormonal treatment TO1:Buserelin acetate (200mg),5 ml two dose at14th and 21th days after parturition. TO2:Gonadorelindiacetratetytrahydrate (100mg), 2ml two dose (Cystrolin) at14th and 21th days after parturition
5.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI, Bareilly ,UP (2023)
6.	Number of replication	10
7.	Production system and thematic area	Calf and Disease management.
8.	Critical Input	• Buserelin acetate • Gonadorelin diacetratetytrahydrate
9.	Details of Input (Unit Cost)	
10.	Total Cost	16400.00
11.	Performance of the Technology with performance indicators	• Reproductive performance • Conception rate

		• B:C ratio
12.	Final recommendation for micro level situation	
13.	Constraints identified and feedback for research	
14.	Process of farmers participation and their reaction	

Result- Continue

OFT 15: (Animal Sc.)

1.	Season:	Rabi 2024-25
2.	Title of On farm Trial	Therapeutic assessment of herbal anthelmintic for control of anemia in goats.
3.	Problem diagnosed	Low body weight growth, mortality due to haemonchus worm in Goats
4.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO : Farmer Practice :feeding sarifa/palas leaves TO 1: Closantal bolus @5-10mg/kg body wt. oraly. TO 2: Papaya leafs extract 15 Gm/days orally 10 days.
5.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BASU ,Patna , Bihar
6.	Number of replication	10
7.	Production system and thematic area	Nutrional and Diseases management.
8.	Performance of the Technology with performance indicators	HB%, (0,15,30 days),Epg(0,15,30 days), Avg. Body weight gain(0,15,30 days),Mortality and B:C ratio
9.	Final recommendation for micro level situation	Awaited
10.	Constraints identified and feedback for research	Awaited
11	Process of farmers participation and their reaction	

Result- Continue

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereal Wheat Rabi 2023-24	1	4.0	10	41.4	39.2
	Cereal Wheat Rabi 2023-24	1	13.6	34	41.2	39.4
	Cereal Paddy (R. sweta) Kharif 2024	1	10	22	40.2	37.8
	Cereal Wheat (DBW187) Rabi 2024	1	10	31	Standing	
	Cereal Rice Kharif 2024	1	16.0	40	41.5	38.6
	Cereal Paddy (R. Sweta)	1	16	40	43.3	40.1
	Cereal Paddy (R. Sweta) Kharif 24	1	8	20	40.4	38.1
	Cereal Paddy	1	10	25	40.7	33.3
2.	Oil Seed					
3.	Pulses Gram (Sabour Chana-1)	1	1.25	8	Standing	
	Gram (Sabour Chana-1) Rabi 2024	1	2.0	38	Standing	
4.	Horticulture Crops (Marigold)	1	1	10	**96.2**	90.4
5.	Other crops Oat (Kent)	1	3.25	40	Standing	
6.	Hybrid crop					
7.	Livestock Vanraja Poultry farming for dual purpose (meat & Egg production)	1	360 chick (Poultry)	24	1.5 kg avg. body gain after 6 month	0.8 kg avg. body gain after 6 month
	Poultry Kadknath (back yard poultry farming)	1	700 chick (Poultry)	35	Avg. body wt. 1.5 kg/bird after 6 month (2% Mortality)	Avg. body wt. 0.8 kg/bird after 6 month (
	Duck Khakhi cambell (Back yard Poultry farming)	1	200 duck	40	1.2kg avg. body wt. gain & 5% mortality	0.69 kg avg. body wt. gain
	Sorted semen Desired sex (male or female Calf) and Milk production.	1	30 unit	30	8 Litre/day/cow	6 litre/day/cow
	FMD (Cattle) FMD(Cattle)	1	205	37	20% mortality	30% mortality

	PPR (Goat) PPR(Goats)	1	430	30	20% mortality	80% mortality
8.						
9.	Fisheries					
10.	Other enterprises Sorghum (Red Cheri) fodder grass production for milk production	1	20 unit	20	11.32	9.76
	H. Napier	1	2000 roots	40	9.4	8.9
	Mineral mixture (40-50g day) for control of infertility	1	50 unit	50	8.6 Litre/day/cow	8.0 litre/day/cow
11.	Women empowerment					
12.	Farm Machinery					
	Grand Total					

B. Details of FLDs conducted during the year 2024

1. Cereals

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat Rabi 2023-24	Small implements	Battery operated sprayer	10	4.0	41.4	39.2	5.6	38800	94185	55385	2.42	40900	89180	48280	2.18
Wheat Rabi 2023-24	Drone	Application of Nano urea by using Drone	34	13.6	41.2	39.4	4.6	39000	87550	48550	2.24	41300	83725	42425	2.02
Paddy (R. sweta) Kharif 2024	Use of Organic Inputs	Role of Blue green algae in paddy yield	22	10	**40.2**	37.8	6.3	41250	92460	51210	2.24	40750	86940	46190	2.13
Wheat (DBW187) Rabi 2024	Crop production	Cultivation of nutrient rich variety	31	10	**Standing**										
Rice Kharif 2024	Drone	Use of drone in agriculture	40	16.0	41.5	38.6	7.5	39100	95450	56350	2.44	42800	88780	45980	2.07
Paddy (R. Sweta)	IPM	Emamectin Benzoate 0.5 g/ L water to manage Stem borer in Paddy	40	16	43.3	40.1	7.9	43000	94524	51524	2.20	42000	87538	45538	2.08

Paddy (R. Sweta) Kharif 24	Small implements	Use of Fertilizer broadcaster machine	20	8	40.4	38.1	6.0	41000	92920	51920	2.26	43100	87630	44530	2.03
Paddy	INM	PSB, Azotobacter	25	10	**40.7**	33.3	22.2	41176	117645	76649	2.86	39580	58355	58675	1.67
Flower (Marigold) Kharif 24	Small implements	Use of Rotary Power Weeder in Marigold cultivation	10	1.0	**96.2**	90.4	6.4	124350	384800	260450	3.09	131250	361600	230350	2.75
Oat (Kent)	ICM	Seed, Agronomic management practices	40	3.25	**Standing**										
Gram (Sabour Chana-1)	ICM	Seed vr. Sabour chana-1, R. Culture, PSB & Agronomic management practices	8	1.25	**Standing**										

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

3. Pulses

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Gram (Sabour Chana-1) Rabi 2024	**Crop Production**	Protein based crop cultivation	38	2 ha	Standing										
	Total		37	2 ha											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Vegetable Pea PB 89 Rabi 2024	Crop production	Organic cultivation of vegetables	36	1 ha			Harvesting going on								
	Total		36	1 ha											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

5. Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total																

6. Demonstration details on crop hybrid varieties

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										

Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category 1.Dairy	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration (lit/kg)	Check (lit/kg)		Demons Ration(qtl/ha)	Check(qtl/a)	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Fodder management	a. Sorghum (Red Cheri) fodder grass production for milk production	20	20	11.32	9.76	1.56	563	502	**17100**	**56300**	**39200**	**3.2**	**18300**	**50200**	**31900**	**2.7**
	Fodder management	b . H. Napier	40	2000 roots	9.4	8.9	0.5	345	New introduced	50300	70500	20200	1.4	**48500**	66750	18250	1.3

	Nutritional management	Mineral mixture(40-50g day) for control of infertility	50	50	8.6 liter/day/cow	8.0 liter/day/cow	0.6 liter	Conception Rate (60%)	Conception Rate (40%)	45,500	77,400	31,900	1.7	45,000	72,000	27000	1.6
2. Poultry	Poultry management	Vanraja Poultry farming for dual purpose (meat & Egg production)	24	360 (Chicks)	After 6th months (1.5kg average body wt. gain)	After 6th months 0.8kg (average body wt. gain)	0.7kg	0	0	41940	153900	111960	3.6	45250	72000	26750	1.5
	Poultry management	Kadknath (back yard poultry farming)	35	700 (Chicks	Average body weight 1.5 kg/bird after 6 months of age (2% Mortality)	Average body weight 0.8 Kg/bird at 6th months of age	**0.7kg**	0	0	49250	128800	79550	2.6	45250	72000	26750	1.5
3. Duckery	Poultry Management	Khakhi cambell (Back yard Poultry farming)	40	200 (Ducks)	After 5th months (1.2kg average body wt. gain & 5 % mortality)	After 5th months (0.9 kg average body wt. gain)	0.3kg	0	0	34000	64800	47000	1.9	20000	32400	12400	1.6
4.Sorted semen	Dairy Management	Desired sex (male or female Calf) and Milk production.	30	30	8 liter/day/cow	6 liter/day/cow	New Tech	14 conceived	0	43000	111000	68000	2.5	0	0	0	
5.Vaccination	Disease management	FMD(Cattle)	37	205	20% Mortality	30% Mortality	60%										
		PPR(Goats)	30	430	20% Mortality	80% Mortality	60%										
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl specify)																	
			Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction	150	Small farm implemnts (Sickle)	25	175	175
Enterprises					
Farming System	50	Backyard Poultry farming	10	50	50
Health and nutrition	45	Nutrient rich small millets	5	45	45
Kitchen Garden	100	Establishment of Nutrition garden	20	80	100
Nutrigarden	100	Establishment of Nutrition garden	15	100	100
Storage Technique					
Value addition	2	Pulverrizor and Flour making machine Mill	0	2	Two SHG's group
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	445	0	5	400	470

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Crop	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demonstration	Check			
Sowing and planting tools and	20	Fertilizer Broadcaster	Rice (Kharif 2024)	20	8.0	40.4	38.8	6.0	6.0	2100

machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries	10	Rotary Power Weeder	Flower (Marigold) Kharif 2024)	10	1.0	96.2	90.4	6.4	48	6900
Irrigation management tools and machineries										
Plant protection tools and machineries	34	Agri Drone	Wheat (Rabi 2023-24)	34	13.6	41.2	39.4	4.6	10	2300
	40	Agri Drone	Rice (Kharif 2024)	40	16.0	41.5	38.6	7.5	14	3700
	10	Battery operated sprayer	Wheat (Rabi 2023-24)	10	4.0	41.4	39.2	5.6	6.0	2100
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	Month of April and Novemebr 2024	7	212	
2.	Farmers Training	Month of January and Dec 2024	18	312	
3.	Media coverage	-	-	-	
4.	Training for extension	-	-	-	

	functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1	Wheat	5.6% yield increase and reduction by using battery operated sprayer and cost saving
2	Rice	Yield increase of Rice by 6% and drudgery reduction by using Fertilizer Broadcaster as well as cost saving
3	Rice	Yield increase of Rice by 7.9% by spraying Emamectin Benzoate 0.5 g/ L water to manage Stem borer in Paddy
4	Fodder grass & H. Napier	10% increase in milk production by Sorghum (Red Cheri) fodder grass production for milk production
5	Mineral Mixture	30% increase in reproductive performance by Mineral mixture (40-50g day) for control of infertility
6	Poultry (Vanraja)	Increase body weight gain after 6 months more than that of local bred of poultry
7	Poultry (Kadaknath)	Increase body weight gain after 6 months more than that of local bred of poultry
8	Poultry (Khaki Cambell)	Khakhi cambell (Back yard Poultry farming) after 5th months of age (1.2kg average body wt. gain)
9	Sorted semen	Female calf more demand than male calf
10	Vaccination (FMD)	Mortality reduces by 38% and productivity increases by 18%
11	Vaccination (PPR)	Mortality reduces by 80% and productivity increases by 32%
12	Lentil (Response of PSB+ R. Culture)	Yield enhancement by the application of PSB and Rhizobium culture by 18.5% and also improved the soil health and quality of the produce
13	Wheat (Application of Nano urea)	Yield enhancement by the application of Nano urea along with micro-nutrient by 12% and also reduced the cost of cultivation
14	Paddy (response of PSB and Azotobacter)	On the basis of conducted demonstration during the kharif season 2024 and feedback given by the farmers, the yield enhancement done 18% by the application of PSB and azotobacter along with 75% RDF
15	Sweet Shorgum (Summer fodder)	The milk yielded by the buffalo and cow due to regular consumption of sweet shorgum since May to Aug. were 12% as compared with no consumption of sweet shorgum feedback given by the farmers

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

(During Kharif, Rabi and Summer)

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1.	Rabi	Lentil	20	65	Variety: IPL 220 Seed rate:40 kg/ ha Sowing type and spacing: Line sowing/ After broadcast Harrowing Seed treatment: Carbendazim +Imidacloprid Soil treatment: Trichoderma with FYM Micronutrient: No Fertilizer application as soil test result:20-40-20 Weed management: Pre-emergence: Pendimethalin Plant protection measurement: Fungicides (Carbendazime+Mencozeb), Thiamethoxam	Local Variety-Titki, 60 kg /ha, Broadcast without Harrowing, No weed management, Spray of chlorpyrifos	8.1	13.1	9.3	11.2	10	9.2	14	12	20	-25
2.	Rabi	Mustard	20	50	Variety: RH 725 + Pant Shweta Seed rate:5 kg/ ha Sowing type and spacing: Line sowing/ After broadcast Harrowing Seed treatment: Carbendazim +Imidacloprid Soil treatment: Trichoderma with FYM Micronutrient: No Fertilizer application as soil test result:80-40-40-20	Local Variety, 8 kg /ha, Broadcast without Harrowing, No weed management, Spray of chlorpyrifos	8.8	16.5	12.5	13.5	11	12.2	25	23	3	-46

					Weed management: Preemergence: Pendimethalin Plant protection measurement: Copper Oxychloride 50WP@2.0g/L, Thiamethoxam 25WG@0.5g/L											

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	
1.	Lentil	**22000**	**52043**	**30043**	**2.37**	**25000**	**71960**	**46960**	**2.38**	16917
2.	Mustard	**21500**	**49720**	**38720**	**2.32**	**22000**	**76247**	**54247**	**3.47**	15527

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Lentil	450	200/150	6000	32	68	farming, family maintenance and child education	22
2	Mustard	540	300/230	5650	2	8	farming, family maintinance and child eduacation	25

B. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S. No.	Detail of technologies demonstrated	Farmers' Perception parameters						
		Suitability of technology to their farming system	Likings (Preference)	Affordability (%)	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any	Farmer feedback
1	Lentil	Yes, Its suitable	Good with FPO	85%	-	Yes		Excellent performing variety during timely sown period
2	Mustard	Yes, Its	Good with	80%	-	Yes		Excellent performing variety

		suitable	FPO					during timely sown period

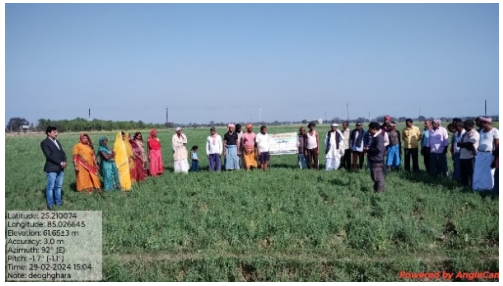
C. Specific Characteristics of Technology and Performance

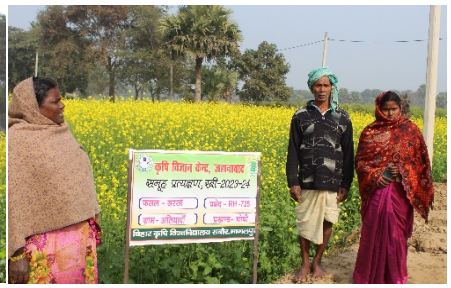
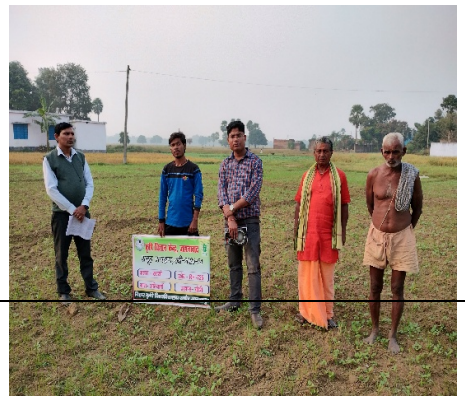
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
IPL 220 Biofortified	Excellent	38 % Yield increase	High acceptance by farmers due to nutrient rich
RH 725 HVY	Excellent	53 % Yield increase	Yield increased as compare to traditional varieties sown by farmers

D. Extension activities under FLD conducted:

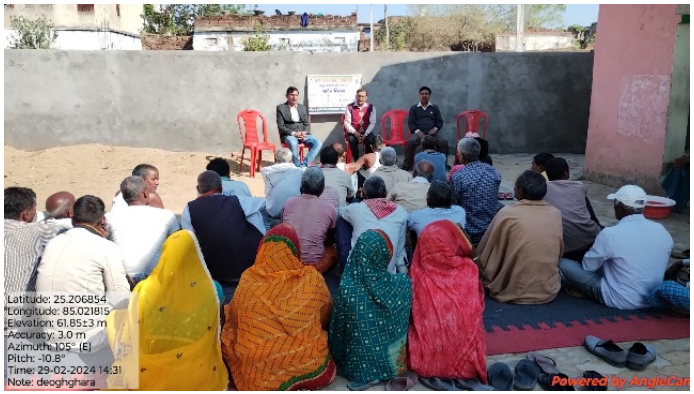
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training	02.11.2023	35
2	Training	03.11.2023	32
3	Training	07.11.2023	33
4	Training	08.11.2023	29
5	Training	27.02.2024	31
1	Field day	23.02.2024	31
2	Field day	29.02.2024	47

E. Photographs (as per crop stages i.e. growth & development)

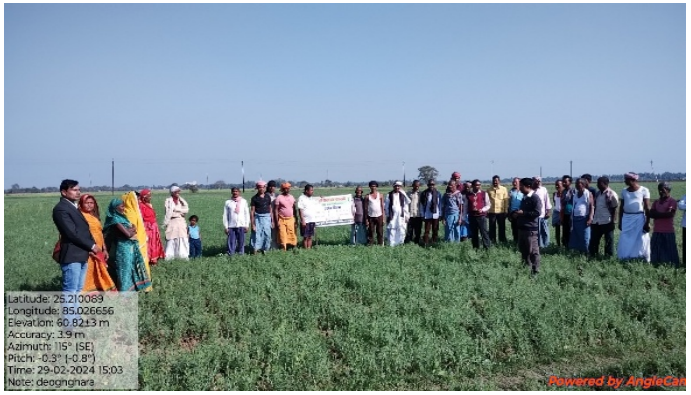



F. Farmers' training photographs



G. Quality Action Photographs of field visits/field days and technology demonstrated.



H. Details of budget utilization

Crop (Provide crop wise information)	**Items**	**Area (ha) allotted**	**Area (ha) achieved**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Lentil	i) Critical input	20	20			
	ii) TA/DA/POL etc. for monitoring					
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total			0	105372	
Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard	i) Critical input	20	20			
	ii) TA/DA/POL etc. for monitoring					
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total			46400	66683	

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies	2	32	30	62	8	5	13	0	0	0	40	35	75
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	8	105	39	144	39	113	152	0	0	0	144	152	296
Fodder production													
Production of organic inputs													
Others, (Vermi-compost production)	2	60	0	60	10	0	10	0	0	0	70	0	70
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	21	0	21	18	2	20	0	0	0	39	2	41
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
orchards													
Plant propagation techniques													
Others, if any(INM)													
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	4	34	32	66	14	43	57	0	0	0	48	75	123
Soil and Water Conservation													
Integrated Nutrient Management	7	84	50	134	31	36	67	0	0	0	114	87	201
Production and use of organic inputs	1	0	0	0	2	19	21				21	0	21
Management of Problematic soils													
Micro nutrient deficiency in crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nutrient Use Efficiency	2	22	9	31	9	15	24	0	0	0	31	24	55
Soil and Water Testing													
Others, if any (Natural farming)	3	22	8	30	16	22	38	0	0	0	38	30	68
Weed management	1	12	5	17	13	17	30	0	0	0	25	22	47
NRM	1	10	4	14	7	3	10	0	0	0	17	7	24
IV. Livestock Production and Management													
Dairy Management	5	84	70	154	37	11	48	0	0	0	121	81	202
Poultry Management	3	13	1	14	16	84	100	0	0	0	29	85	114
Piggery Management													
Rabbit Management													
Disease Management													
Feed management	7	99	77	176	9	30	39	0	0	0	108	107	215
Production of quality animal products													
Nutritional management	3	27	31	58	11	31	42	0	0	0	38	62	100
Others, if any Goat farming													
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	9	155	52	207	47	41	88	0	0	0	202	93	295
Use of Plastics in farming practices													
Production of small tools	1	24	4	28	5	7	12	0	0	0	29	11	40

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
and implements													
Repair and maintenance of farm machinery and implements	18	289	116	405	77	94	171	0	0	0	366	210	576
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any (Climate Resilient technology)	1	0	14	14	0	6	6	0	0	0	0	20	20
Crop Residue management	2	46	6	52	17	5	22	0	0	0	63	11	74
VII. Plant Protection													
Integrated Pest Management	14	149	113	262	67	122	189	0	0	0	216	235	451
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any (Natural Farmimg)	1	10	4	14	7	9	16	0	0	0	17	13	30
Millet production	1	10	6	16	9	5	14	0	0	0	19	11	30
Bee Beeper	1	6	4	10	2	3	5	0	0	0	8	7	15
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	98	1314	675	1989	471	723	1194	0	0	0	1803	1380	3183

B) Rural Youth Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	3	33	14	47	11	12	23	0	0	0	44	26	70
Integrated farming	1	5	25	30	0	0	0				5	25	30
Seed production	9	210	11	221	80	24	104	0	0	0	290	35	325
Production of organic inputs	1	22	2	24	5	2	7	0	0	0	27	4	31
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Repair and maintenance of farm machinery and implements	14	185	27	212	51	134	185	0	0	0	225	161	386
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2	0	7	7	0	66	66	0	0	0	0	73	73
Production of quality animal products													
Dairying	4	61	25	86	41	33	74	0	0	0	102	58	160
Sheep and goat rearing	3	33	16	49	42	24	66	0	0	0	75	40	115
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	30	5	35	10	5	15	0	0	0	40	10	50
Ornamental fisheries													
Enterprise development													
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													
Nutritional Management	1	0	0	0	13	24	37	0	0	0	13	24	37
Crop production	1	7	16	23	7	10	17	0	0	0	14	26	40
Natural farming	1	14	15	29	2	5	7	0	0	0	16	20	36
TOTAL	41	600	163	763	262	339	601	0	0	0	862	502	1364

C) Extension Personnel Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management	1	30	3	33	1	1	2	0	0	0	31	4	35
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	16	0	16	0	0	0	0	0	0	16	0	16
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Resource conservation Technology	1	0	14	14	7	0	7	0	0	0	7	14	21
TOTAL	3	46	17	63	8	1	9	0	0	0	54	18	72

D) Farmers and farm women Including the sponsored training programmes (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	5	81	11	92	23	12	35	0	0	0	104	23	127
Resource Conservation Technologies	2	10	17	27	15	33	48				25	50	75
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	8	75	34	109	65	69	134	0	0	0	140	103	243
Fodder production													
Production of organic inputs	3	56	6	62	16	9	25	0	0	0	72	15	87
Others, (Scientific cultivation of Moong)	1	0	0	0	9	12	21	0	0	0	9	12	21
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	4	60	13	73	15	4	19	0	0	0	75	17	92
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
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													
Others, if any(INM)													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	3	26	17	43	3	3	6	0	0	0	29	20	49
Integrated Nutrient Management	4	26	20	46	20	54	74	0	0	0	46	74	120
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	3	32	19	51	9	11	20	0	0	0	41	30	71
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any (Weed management)	3	40	73	113	4	12	16	0	0	0	44	85	129
Others, if any (Mal-nutrition eradication)	1	13	8	21	7	32	39	0	0	0	20	40	60
Vermicompost production	1	15	0	15	7	0	7	0	0	0	22	0	22
IV. Livestock Production and Management													
Dairy Management	3	34	18	52	16	43	59	0	0	0	50	61	111
Poultry Management	2	0	0	0	21	36	57				21	36	57
Piggery Management													
Rabbit Management													
Disease Management	8	224	65	289	161	84	245	0	0	0	385	149	534
Feed management	10	258	171	429	107	61	168	0	0	0	365	232	597
Production of quality animal products													
Nutritional management	3	62	20	82	15	33	48	0	0	0	77	53	130
Others, if any Goat farming													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Storage loss minimization techniques													
Enterprise development													
Value addition	1	24	5	29	1	0	1	0	0	0	25	5	30
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	1	9	3	12	4	4	8	0	0	0	13	7	20
Use of Plastics in farming practices													
Production of small tools and implements	5	60	33	93	33	52	85	0	0	0	93	85	178
Repair and maintenance of farm machinery and implements	29	601	150	751	154	131	285	0	0	0	792	402	1036
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any (Use of Drone for spray)	1	28	0	28	5	1	6	0	0	0	33	1	34
Water management	8	105	44	149	37	28	65	0	0	0	133	59	214
VII. Plant Protection													
Integrated Pest Management	16	242	116	358	47	60	107	0	0	0	289	176	465
Integrated Disease Management	1	19	1	20	0	0	0	0	0	0	19	1	20
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	126	2100	844	2944	794	784	1578	0	0	0	2922	1736	4522

E) RURAL YOUTH Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	8	139	30	169	42	10	52	0	0	0	181	40	221
Production of organic inputs	3	15	0	15	16	49	65	0	0	0	31	49	80
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	5	68	13	81	17	35	52	0	0	0	85	48	133
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	4	57	4	61	12	32	44	0	0	0	69	36	105
Sheep and goat rearing	1	36	8	44	4	2	6	0	0	0	40	10	50
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	0	0	0	2	31	33	0	0	0	2	31	33
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	1	0	0	0	2	31	33	0	0	0	2	31	33
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any (IPM)	2	42	11	53	4	3	7	0	0	0	46	14	60
Disease management	1	17	0	17	2	0	2	0	0	0	19	0	19
Doubling income	2	46	6	52	7	2	9				53	8	61
Fish cum duck farming	1	0	0	0	4	31	35	0	0	0	4	31	35
Package & practice	1	16	8	24	4	5	9	0	0	0	20	13	33

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	30	436	80	516	116	231	347	0	0	0	552	311	863

F) Extension Personnel Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	2	56	6	62	9	3	12	0	0	0	65	9	74
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	3	261	43	304	49	22	71	0	0	0	310	65	375
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	3	59	6	65	2	0	2	0	0	0	61	6	67
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1	17	3	20	0	0	0	0	0	0	17	3	20
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	9	393	58	451	60	25	85	0	0	0	453	83	536

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	5	81	11	92	23	12	35	0	0	0	104	23	127
Resource Conservation Technologies	4	42	47	89	23	38	61	0	0	0	65	85	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
													0
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	16	180	73	253	104	182	286	0	0	0	284	255	539
Fodder production													
Production of organic inputs	5	116	6	122	26	9	35	0	0	0	142	15	157
Others, (Scientific cultivation of Moong)	1	0	0	0	9	12	21	0	0	0	9	12	21
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	5	81	13	94	33	6	39	0	0	0	114	19	133
Water management													
Enterprise development													
Skill development													
Yield increment													
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.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
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													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	4	34	32	66	14	43	57	0	0	0	48	75	123
Soil and Water Conservation	3	26	17	43	3	3	6	0	0	0	29	20	49
Integrated Nutrient Management	11	110	70	180	51	90	141	0	0	0	160	161	321
Production and use of organic inputs	1	0	0	0	2	19	21	0	0	0	21	0	21
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	5	54	28	82	18	26	44	0	0	0	72	54	126
Soil and Water Testing													
Others, if any (Mal- nutrition eradication)	1	13	8	21	7	32	39	0	0	0	20	40	60
Others, if any (Natural farming)	3	22	8	30	16	22	38	0	0	0	38	30	68
Vermi-compost production	1	15	0	15	7	0	7	0	0	0	22	0	22
Weed management	4	52	78	130	17	29	46	0	0	0	69	107	176
NRM	1	10	4	14	7	3	10	0	0	0	17	7	24
TOTAL													
IV. Livestock Production and Management													
Dairy Management	8	118	88	206	53	54	107	0	0	0	171	142	313
Poultry Management	5	13	1	14	37	120	157	0	0	0	50	121	171
Piggery Management													
Rabbit Management													
Disease Management	8	224	65	289	161	84	245	0	0	0	385	149	534
Feed management	17	357	248	605	11	91	207	0	0	0	473	339	81

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
					6								2
Production of quality animal products													
Others, if any (Nutritional management)	6	89	51	140	26	64	90	0	0	0	115	115	230
TOTAL													
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	1	24	5	29	1	0	1	0	0	0	25	5	30
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	10	164	55	219	51	45	96	0	0	0	215	100	315
Use of Plastics in farming practices													
Production of small tools and implements	6	84	37	121	38	59	97	0	0	0	122	96	218
Repair and maintenance of farm machinery and implements	47	890	266	1156	231	225	456	0	0	0	1158	612	1612
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any (Use of Drone for spray)	1	28	0	28	5	1	6	0	0	0	33	1	34
Water management	8	105	44	149	37	28	65	0	0	0	133	59	214
Crop Residue management	2	46	6	52	17	5	22	0	0	0	63	11	74
Others, if any (Climate Resilient technology)	1	0	14	14	0	6	6	0	0	0	0	20	20
TOTAL													
VII. Plant Protection													
Integrated Pest Management	30	391	229	620	114	182	296	0	0	0	505	411	916
Integrated Disease Management	1	19	1	20	0	0	0	0	0	0	19	1	20
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any (Natural Farmimg)	1	10	4	14	7	9	16	0	0	0	17	13	30
Millet production	1	10	6	16	9	5	14	0	0	0	19	11	30
Bee Beeper	1	6	4	10	2	3	5	0	0	0	8	7	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
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													
TOTAL													
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													
TOTAL													
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													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL	224	3414	1519	4933	1265	1507	2772	0	0	0	4725	3116	7705

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	3	33	14	47	11	12	23	0	0	0	44	26	70
Integrated farming	1	5	25	30	0	0	0				5	25	30
Seed production	17	349	41	390	122	34	156	0	0	0	471	75	546
Production of organic inputs	4	37	2	39	21	51	72	0	0	0	58	53	111
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	19	253	40	293	68	169	237	0	0	0	310	209	519
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2	0	7	7	0	66	66	0	0	0	0	73	73
Production of quality animal products													
Dairying	8	118	29	147	53	65	118	0	0	0	171	94	265
Sheep and goat rearing	4	69	24	93	46	26	72	0	0	0	115	50	165
Quail farming													
Piggery													
Rabbit farming													
Poultry production	2	30	5	35	12	36	48	0	0	0	42	41	83
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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 (ICT application in agriculture)													
Nutritional Management	1	0	0	0	13	24	37	0	0	0	13	24	37
Crop production	1	7	16	23	7	10	17	0	0	0	14	26	40
Natural farming	1	14	15	29	2	5	7	0	0	0	16	20	36
Small scale processing	1	0	0	0	2	31	33	0	0	0	2	31	33
IPM	2	42	11	53	4	3	7	0	0	0	46	14	60
Disease management	1	17	0	17	2	0	2	0	0	0	19	0	19
Doubling income	2	46	6	52	7	2	9				53	8	61
Fish cum duck farming	1	0	0	0	4	31	35	0	0	0	4	31	35
Package & practice	1	16	8	24	4	5	9	0	0	0	20	13	33
TOTAL	71	1036	243	1279	378	570	948	0	0	0	1403	813	2216

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	3	86	9	95	10	4	14	0	0	0	96	13	109
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	261	43	304	49	22	71	0	0	0	310	65	375
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	4	75	6	81	2	0	2	0	0	0	77	6	83
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1	17	3	20	0	0	0	0	0	0	17	3	20
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any (RCT)	1	0	14	14	7	0	7	0	0	0	7	14	21
TOTAL	12	439	75	514	68	26	94	0	0	0	507	101	608

Please furnish the details of training programmes as Annexure in the proforma given below

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	**Clientele**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of SC/ST**			**Number of participants (others)**			**Over all participants**
					M	**F**	**Total**	**M**	**F**	**Total**	
Agronomy	PF	Application of vermicompost in crop production	1	ON	5	0	5	25	0	25	30
Agronomy	PF	Weed management in Rabi crop	1	OFF	6	0	6	18	0	18	24
Agronomy	PF	Nutrient management in	1	ON	18	2	20	21	0	21	41

		Rabi crop									
Agronomy	PF	Spraying of water soluble fertilizer NPK in Lentil	1	OFF	4	0	4	14	3	17	21
Agronomy	PF	Spraying of water soluble fertilizer NPK in Lentil	1	OFF	0	0	0	17	6	23	23
Agronomy	PF	Importance of irrigation in wheat	1	OFF	12	2	14	0	0	0	14
Agronomy	PF	Scientific cultivation of Finger millets	1	OFF	4	2	6	5	21	26	29
Agronomy	PF	Scientific cultivation of Finger Millets	1	OFF	17	4	21	0	0	0	21
Agronomy	PF	Scientific cultivation on Shorgum	1	OFF	5	0	5	14	2	16	21
Agronomy	PF	Scientific cultvation on Moong	1	OFF	8	23	31	0	0	0	31
Agronomy	PF	Application of balance dose nutrients	1	OFF	5	4	9	8	4	12	21
Agronomy	PF	Scientifc cultivation of Shorgum	1	ON	4	5	9	10	5	15	24
Agronomy	PF	Weed management in Kharif crop	1	OFF	0	0	0	16	5	21	21
Agronomy	PF	Scientifc cultivation of Moong	1	OFF	9	12	21	0	0	0	21
Agronomy	PF	Application of irrigation in summer	1	off	5	0	5	14	2	16	21
Agronomy	PF	Scientific cultivation on Shorgum	1	off	0	4	4	16	3	19	19
Agronomy	PF	Irrigation application on paddy	1	off	4	4	8	9	4	13	21
Agronomy	PF	Direct seeding of Paddy	1	On	7	0	7	28	0	28	35
Agronomy	PF	Direct seeding of Paddy & finger millets	1	On	1	5	6	4	30	34	40
Agronomy	PF	response of PSB and Azoto in Paddy	1	Off	5	5	10	20	2	22	32
Agronomy	PF	Irrigation in Paddy	1	Off	2	3	5	12	3	15	20
Agronomy	PF	Scientific cultivation on	1	Off	7	2	9	22	0	22	31

		Ragi crop									
Agronomy	PF	management of Zn in Paddy	1	On	10	15	25	15	10	25	50
Agronomy	PF	Weed management in Paddy	1	Off	3	5	8	5	9	14	22
Agronomy	PF	Irrigation management in Paddy	1	Off	8	8	16	24	0	24	32
Agronomy	PF	INM in Paddy	1	off	6	0	6	21	0	21	27
Agronomy	PF	Vermicomp and its uses	1	on	5	0	5	35	0	35	40
Agronomy	PF	Vermicomp and its uses	1	off	7	0	7	15	0	15	22
Agronomy	PF	Scientific cultivation on Mustard	1	on	0	25	25	0	0	0	25
Agronomy	PF	Scientific cultivation on Gram, Lentil	1	off	9	15	24	0	0	0	24
Agronomy	PF	Scientifci cultivation on Wheat	1	off	10	4	14	38	2	40	54
Agronomy	PF	Scientific cultivation on Rabi Oilseed crop	1	on	0	40	40	0	0	0	40
Agronomy	PF	Raising of field crop alongwith Animal Husbandary	1	on	3	30	33	0	0	0	33
Agronomy	PF	Scientific cultivation on Oat	1	on	0	0	0	20	10	30	30
Agronomy	PF	Scientific cultivation on Mustard	1	Off	5	4	9	11	2	13	22
Agronomy	PF	Scientific cultivation on Rabi crop	1	On	10	5	15	30	5	35	50
Agronomy	PF	Scientific cultivation on Rabi crop	1	Off	8	10	18	11	5	16	34
Agronomy	PF	Scientific cultivation on Wheat and Gram	1	Off	4	7	11	10	4	14	25
Agronomy	PF	Zero tillage sown Wheat, Gram and Lentil	1	Off	5	20	25	5	10	15	40
Agronomy	PF	Zero tillage sown Wheat, Gram and Lentil	1	Off	10	13	23	5	7	12	35
Agronomy	PF	Application of PSB, R. culture in Pulses	1	Off	6	4	10	18	2	20	30
Agronomy	PF	Application of PSB, R. culture	1	Off	5	0	5	18	2	20	25

		in Pulses									
Agronomy	RY	Seed production technique of lentil & Wheat	1	Off	5	4	9	11	4	15	20
Agronomy	RY	Seed production technique of Finger millets	2	ON	5	2	7	28	0	28	35
Agronomy	RY	Vermicomposting	1	OFF	0	15	15	5	0	5	20
Agronomy	RY	Vermicomposting	1	OFF	8	17	25	5	0	5	30
Agronomy	RY	Vermicomposting	1	OFF	8	17	25	5	0	5	30
Agronomy	RY	Seed production techniques on Moong	10	ON	6	0	6	24	0	24	30
Agronomy	RY	Seed production techniques of Shorgum	1	ON	9	0	9	20	0	20	29
Agronomy	RY	Seed production techniques of Moong	1	ON	12	12	24	0	0	0	24
Agronomy	RY	Vermicompost production and uses	1	On	5	2	7	22	2	24	31
Agronomy	RY	Quality seed production of Kharif crop	5	On	7	0	7	24	0	24	31
Agronomy	RY	Seed production techniques of Berseem	5	on	8	0	8	28	5	33	41
Agronomy	RY	Seed production techniques of Mustard	1	on	3	5	8	5	7	12	20
Agronomy	RY	Seed production techniques of Berseem	1	off	15	0	15	35	0	35	50
Agronomy	RY	Seed production techniques of Berseem, Oat	1	off	4	0	4	15	2	17	21
Agronomy	RY	Seed production technique on Oat	1	on	10	2	12	38	0	38	50
Agronomy	RY	Seed, production on Gram, Lentil, Wheat	1	off	5	0	5	25	0	25	30
Agronomy	RY	Seed, production on Gram, Lentil, Wheat	1	off	0	0	0	15	4	19	19
Agronomy	RY	Seed, production on Gram, Lentil, Wheat	1	on	13	0	13	32	0	32	45
Agronomy	RY	Seed, production on Mustard	1	Off	8	2	10	12	3	15	25
Agronomy	RY	Seed, production on Gram, Lentil, Wheat	1	On	10	8	18	16	6	22	40
Agronomy	RY	Seed, production on Mustard	1	Off	5	4	9	10	12	22	31

Agronomy	RY	Seed, production on Mustard	1	Off	0	0	0	16	5	21	21
Agronomy	EF	Integrated nutrient management in DSR	1		7	0	7	0	14	14	21
Entomology	PF	management of Helicoverpa in Chickpea	1	ON	6	3	9	30	2	32	41
Entomology	PF	Aphid management in Oilseeds crop	1	ON	4	3	7	28	6	34	41
Entomology	PF	Millets cultvation techniques in Natural farming	1	ON	7	3	10	30	3	33	43
Entomology	PF	Millet cultivation technology	1	ON	3	4	7	15	0	15	22
Entomology	PF	IPM in Moong crop	1	ON	7	6	13	8	0	8	21
Entomology	PF	Production technology of Moong	1	ON	5	16	21	5	16	21	42
Entomology	PF	Pest management in vegetable crops	1	ON	6	2	8	17	2	19	27
Entomology	PF	Pest management in Millets	1	ON	10	0	10	24	0	24	34
Entomology	PF	Prodcution techniques of Moong	1	On	7	9	16	10	4	14	30
Entomology	PF	Cultivation techniques of Millets	1	On	9	5	14	10	6	16	30
Entomology	PF	Pest management in summer vegetables	1	OFF	0	0	0	19	1	20	20
Entomology	PF	Pest management in Moong crop	1	OFF	4	2	6	23	1	24	30
Entomology	PF	Pest management of Summer veg. crop	1	OFF	3	5	8	18	4	22	30
Entomology	PF	Pest management in vegetable crops	1	on	1	16	17	0	17	17	34
Entomology	PF	Pest management in Millets	1	on	0	16	16	0	15	15	31
Entomology	PF	Bee Keeping-Raving management	1	Off	4	1	5	15	0	15	20
Entomology	PF	Stem borer management in Paddy	1	On	5	15	20	5	8	13	33
Entomology	PF	IPM in Paddy	1	Off	5	15	20	7	8	15	35
Entomology	PF	Application of Nano Urea by	1	On	3	21	24	3	13	16	40

		Drone technology									
Entomology	PF	Pest management in Paddy	1	On	5	8	13	6	10	16	29
Entomology	PF	Pest management in Paddy	1	On	2	16	18	2	15	17	35
Entomology	PF	Pest management in Paddy	1	on	2	3	5	6	4	10	15
Entomology	PF	Pest management of Kharif crops	1	on	9	7	16	0	0	0	16
Entomology	PF	Pest management in Kharif vegetable	1	off	4	0	4	6	11	17	29
Entomology	PF	Seed treatment of Rabi crops	1	off	4	0	4	16	1	17	21
Entomology	PF	Pest management in Rabi Oilseeds	1	off	5	2	7	21	1	22	29
Entomology	PF	Pest management in vegetable crops	1	off	5	3	8	17	7	24	32
Entomology	PF	pest management in cruciferous crop	1	off	1	13	14	2	10	12	26
Entomology	PF	Seed treatment in rabi crops	1	ON	5	3	8	16	10	26	34
Entomology	PF	IPM in rabi crops	1	ON	4	6	10	10	15	25	35
Entomology	PF	Seed treatment in rabi crops	1	Off	0	0	0	35	15	50	50
Entomology	PF	IPM in Mustard	1	Off	0	0	0	34	16	50	50
Entomology	PF	IDM in Oilseeds crops	1	Off	2	7	9	7	15	22	31
Entomology	PF	Pest management in Veg. crops	1	Off	0	5	5	1	12	13	18
Entomology	PF	IPM in rabi crops	1	Off	6	3	9	18	3	21	30
Entomology	PF	IPM in rabi crops	1	Off	2	1	3	16	1	17	20
Entomology	RY	Bee Keeper	10	ON	4	4	8	9	3	12	20
Entomology	RY	Bee Keeper	1	off	4	3	7	19	4	23	30
Entomology	RY	Bee Keeper	1	off	0	0	0	36	14	50	50
Entomology	RY	Bee Keeper	10	on	4	3	7	19	4	23	30
Entomology	EF	Pest management in Paddy crops	1	ON	1	1	2	30	3	33	34
Entomology	EF	Pest management in vegetable crops	1	off	5	2	7	28	4	32	39
Entomology	EF	Pest management in Paddy crops	1	off	4	1	5	28	2	30	35
Agril. Engg.	PF	Irrigation water management in ZT Wheat	1	ON	8	4	12	36	6	42	54
Agril. Engg.	PF	Irrigation water management in Raised bed Maize	1	ON	6	2	8	20	3	23	31
Agril. Engg.	PF	Use of Modern machineries in Agriculture	1	OFF	6	0	6	26	0	26	32
Agril.	PF	Improved	1	ON	2	3	5	20	5	25	30

Engg.		implement for CRA									
Agril. Engg.	PF	Improved sowing implements	1	ON	2	1	3	17	2	19	22
Agril. Engg.	PF	Irrigation water management in Wheat	1	ON	4	2	6	26	6	32	38
Agril. Engg.	PF	Land Levelling by Laser leveler	1	ON	2	5	7	21	12	33	40
Agril. Engg.	PF	Sprinkler irrigation system	1	OFF	4	4	8	9	3	12	20
Agril. Engg.	PF	Drip irrigation system	1	ON	6	7	13	15	4	19	32
Agril. Engg.	PF	Knowlede, utility and operation method of suitable improved agricultural implements from sowing to harvesting of crop	1	OFF	0	0	0	34	2	36	36
Agril. Engg.	PF	Improved machines for Wheat harvesting	1	ON	3	9	12	19	7	26	38
Agril. Engg.	PF	Sowing of Gree Gram through ZTT	1	ON	2	3	5	14	2	16	21
Agril. Engg.	PF	Use of Drone in Agriculture for spray of nano urea	1	OFF	5	1	6	28	0	28	34
Agril. Engg.	PF	Use of improved sowing implements	1	ON	9	6	15	10	5	15	30
Agril. Engg.	PF	Small improved implements	1	OFF	11	36	47	1	1	2	49
Agril. Engg.	PF	Operation and maintenance of ZT machine for Moong sowing	1	OFF	3	6	9	18	3	21	30
Agril. Engg.	PF	In-situ moisture conservation	1	ON	4	0	4	16	0	16	20
Agril. Engg.	PF	In-situ moisture conservation methods	1	ON	9	6	15	10	5	14	30
Agril. Engg.	PF	machines used for direct sowing of rice	1	off	2	0	2	18	2	20	22
Agril. Engg.	PF	Pegeonpea cultivation by Raised bed technique	1	on	4	0	4	16	1	17	21
Agril. Engg.	PF	Maize sowing by raised bed	1	on	2	5	7	12	3	15	22

		technique									
Agril. Engg.	PF	Water conservation technique in Paddy	1	off	5	2	7	22	1	23	30
Agril. Engg.	PF	Improved tillage implements	1	off	3	5	8	18	4	22	30
Agril. Engg.	PF	Pigeonpea cultivation by Raised bed technique	1	off	4	0	4	19	0	19	23
Agril. Engg.	PF	Direct sowing techniques of Rice	1	off	3	2	5	14	3	17	22
Agril. Engg.	PF	raised bed Rgi cultvation	1	off	3	4	7	16	3	19	26
Agril. Engg.	PF	Maize sowing by raised bed technique	1	off	5	4	9	17	8	25	34
Agril. Engg.	PF	Alternate wetting & drying method of irrigation in Rice	1	off	1	3	4	11	1	12	16
Agril. Engg.	PF	Direct sowing of rice	1	off	4	5	9	16	8	24	33
Agril. Engg.	PF	DSR method	1	Off	1	6	7	8	12	20	27
Agril. Engg.	PF	Maize sowing by raised bed technique	1	On	5	4	9	28	4	32	39
Agril. Engg.	PF	DSR and water conservation by field bunding in Paddy	1	On	3	5	8	18	11	29	37
Agril. Engg.	PF	Pigeonpea sowing by Raised bed technique	1	On	2	1	3	19	0	19	22
Agril. Engg.	PF	DSR technique for rice sowing	1	Off	3	9	12	10	15	25	37
Agril. Engg.	PF	Implements for Direct seeding of rice	1	Off	5	2	7	22	3	25	32
Agril. Engg.	PF	Filed bunding and water conservation in rice	1	Off	6	9	15	22	14	36	51
Agril. Engg.	PF	Improved implements for weeding	1	Off	1	4	5	8	9	17	22
Agril. Engg.	PF	Benefits and precautions in use of Drone	1	Off	6	7	13	11	18	29	42
Agril. Engg.	PF	Improved machines for crop harvesting	1	Off	4	9	13	10	6	16	29

Agril. Engg.	PF	Alternate wetting & drying irrigation method for water management in Paddy	1	On	3	7	10	8	9	17	27
Agril. Engg.	PF	Use & maintenance of agrucultral machineries	1	On	1	15	16	3	16	19	35
Agril. Engg.	PF	Use of small tools and implements in cultivation	1	Off	9	7	16	12	16	28	44
Agril. Engg.	PF	Improved agricultural machnieries	1	Off	4	0	4	16	1	17	21
Agril. Engg.	PF	Use of Happy seeder	1	Off	4	5	9	12	6	18	27
Agril. Engg.	PF	Water management in Rice	1	On	6	4	10	14	6	20	30
Agril. Engg.	PF	Improved implements for weeding	1	Off	5	4	9	13	7	20	29
Agril. Engg.	PF	Water management in Rice by Alternate wetting and Drying method	1	Off	3	0	3	17	2	19	22
Agril. Engg.	PF	Irrigation water management in RBP Maize	1	On	2	28	30	6	32	38	68
Agril. Engg.	PF	Use of agricultural implements for sustainable farming	1	Off	28	0	28	74	0	74	102
Agril. Engg.	PF	Method of crop residue management	1	Off	7	0	7	15	0	15	22
Agril. Engg.	PF	Climate resilient agriculture technique	1	on	4	5	9	14	6	20	29
Agril. Engg.	PF	Sowing implements for rabi crops	1	on	0	6	6	0	14	14	20
Agril. Engg.	PF	machines for crop residue management and rabi crop sowing	1	off	2	0	2	25	0	25	27
Agril. Engg.	PF	Mustard sowing by ZTT	1	off	10	2	12	82	2	84	96
Agril. Engg.	PF	Sustainability of small agricultural	1	off	4	6	10	21	9	30	40

		implements									
Agril. Engg.	PF	Wheat cultivation through ZT	1	off	4	0	4	15	2	17	21
Agril. Engg.	PF	lentil cultivation by ZT	1	on	2	2	4	15	1	16	20
Agril. Engg.	PF	Use and working of ZT and happy seeder	1	off	4	2	6	19	4	23	29
Agril. Engg.	PF	Use of small implements in farming	1	off	6	4	10	20	8	28	38
Agril. Engg.	PF	Use of implements for Drugery reduction in agriculture works	1	off	6	9	15	15	12	27	42
Agril. Engg.	PF	maize cultivation by raised bed	1	on	5	7	12	24	4	28	40
Agril. Engg.	PF	Chickpea cultivation by ZT	1	off	6	9	15	14	8	22	37
Agril. Engg.	PF	Modern machine for crop residue management	1	on	5	8	13	12	16	28	41
Agril. Engg.	PF	Operation, maintenance and caliberation of Happy Seeder	1	on	13	0	13	32	0	32	45
Agril. Engg.	PF	Wheat cultivation by ZTT	1	Off	2	3	5	18	8	26	31
Agril. Engg.	PF	Operation & caliberation of ZT machine	1	ON	6	2	8	29	3	32	40
Agril. Engg.	PF	Equipments for drudgery reduction in crop produciton	1	On	18	2	20	0	0	0	20
Agril. Engg.	PF	Wheat, Lentil, Chickpea cultivation by ZT	1	Off	5	20	25	5	10	15	40
Agril. Engg.	PF	Use of machineries for reducing cost of cultivation	1	Off	10	13	23	5	7	12	35
Agril. Engg.	PF	Water management in raised Bed Maize	1	Off	8	7	15	13	9	22	37
Agril. Engg.	PF	Water management in raised Bed Maize	4	On	6	1	7	22	1	23	30
Agril. Engg.	RY	Operation and repair of ZT machine	2	ON	4	4	8	15	1	16	24
Agril. Engg.	RY	Operation, repair and maintenance of improved	2	ON	2	3	5	13	1	14	19

		tillage implements									
Agril. Engg.	RY	Operation, repair and maintenance of crop harvesting and threshing machineries	2	ON	6	2	8	20	0	20	17
Agril. Engg.	RY	Reapir and maintenance of sowing implements	1	OFF	2	1	3	17	1	18	21
Agril. Engg.	RY	Use, repair and maintenance of fertilizer broacaster machine	1	OFF	4	30	34	0	0	0	34
Agril. Engg.	RY	Seed processing machineries	1	ON	9	0	9	20	0	20	29
Agril. Engg.	RY	Repair, maintenance and operation of sowing implements	1	off	2	0	2	22	0	22	24
Agril. Engg.	RY	Operation, repair and maintenance of small agricultural implements and tools	2	on	2	19	21	2	2	4	25
Agril. Engg.	RY	Improved tillage implements	1	off	4	0	4	19	0	19	23
Agril. Engg.	RY	Repair and maintenance of improved sowing & planting implements	2	On	3	1	4	14	2	16	20
Agril. Engg.	RY	repair and maintenance of weeding implements	1	Off	3	0	3	20	0	20	23
Agril. Engg.	RY	Operation, repair and maintenance of sowing implemnts	5	ON	3	15	18	27	5	32	50
Agril. Engg.	RY	Agro processing machineries	1	Off	4	24	28	3	67	70	98
Agril. Engg.	RY	Small agriculture equipments sustainable for employement	1	on	0	25	25	0	8	8	33
Agril. Engg.	RY	Operation and repair of sowing implements	2	on	6	1	7	29	2	31	38
Agril. Engg.	RY	Sowing	1	on	4	0	4	26	0	26	30

		implements for Oilseed crop									
Agril. Engg.	RY	machines for post harvest processing of Millets and other grains	1	on	0	22	22	0	0	0	22
Agril. Engg.	RY	Repair, maintenance of harvesting equipments	2	on	10	28	38	0	0	0	38
Agril. Engg.	RY	Operation, repair, maintenance of sowing impments for rabi crops	2	On	1	1	2	18	1	19	21
Agril. Engg.	RY	Operation, repair and maintenance of ZT	1	Off	5	4	9	10	12	22	31
Agril. Engg.	RY	manually operated crop sowing and harvesting implements	2	On	1	13	14	1	5	6	20
Agril. Engg.	EF	Care and maintenance of drip and sprinkler irrigartion system	2	OFF	12	8	20	98	14	112	132
Agril. Engg.	EF	Use, operation and maintenance of agricultural drone	1	Off	7	4	11	98	9	107	118
Agril. Engg.	EF	Wheat cultivation by ZT and other agricultral equiments	1	off	30	10	40	65	20	85	125
Animal Sc.	PF	Housing & Nutritonal management of Dairy cattle	1	ON	3	0	3	29	0	29	32
Animal Sc.	PF	AI techniques of dairy cattle	2	ON	2	0	2	30	7	37	39
Animal Sc.	PF	Dairy management of Cattle	1	ON	17	3	20	0	0	0	20
Animal Sc.	PF	Value addition of cattle by-products	1	ON	11	0	11	20	0	20	31
Animal Sc.	PF	Housing & disease management of Poultry	1	OFF	17	6	23	0	0	0	23
Animal Sc.	PF	Control of infertility in Dairy cattle	1	ON	10	0	10	10	0	10	20
Animal Sc.	PF	Income generation	1	OFF	11	36	47	1	1	2	49

		through Livestock									
Animal Sc.	PF	Nutrtional management of Goat	1	OFF	2	1	3	24	9	33	36
Animal Sc.	PF	Poultry farm management	1	OFF	4	30	34	0	0	0	34
Animal Sc.	PF	Brooding management of Poultry chick	2	on	5	45	50	0	0	0	50
Animal Sc.	PF	care & management of vermicomposting	1	on	2	0	2	19	0	19	21
Animal Sc.	PF	Fodder production for dairy cattle	1	on	2	6	8	20	22	42	60
Animal Sc.	PF	Fodder production for dairy cattle	1	on	4	6	10	20	24	44	54
Animal Sc.	PF	Use of Millets for dairy cattle	1	on	0	16	16	1	17	18	34
Animal Sc.	PF	Disease management of Dairy	1	off	15	10	25	35	25	60	85
Animal Sc.	PF	Fodder production of Livestock	1	off	10	15	25	31	26	57	82
Animal Sc.	PF	Fodder production of Livestock	1	off	12	11	23	37	28	65	88
Animal Sc.	PF	Disease management of Livestock	1	off	20	13	33	32	12	44	76
Animal Sc.	PF	Fodder management of Livestock	1	Off	0	0	0	13	24	37	37
Animal Sc.	PF	Importance of green grass for Dairy cattle	1	On	0	1	1	15	4	19	20
Animal Sc.	PF	Seasonal green fodder production for Dairy cattle	1	Off	0	0	0	33	0	33	33
Animal Sc.	PF	Nutritional value of Livestock by-product	1	Off	1	0	1	24	5	29	30
Animal Sc.	PF	Prevention of infectious disease in Livestock	1	Off	7	4	11	8	0	8	19
Animal Sc.	PF	Brooding of Chicks	1	On	3	1	4	16	0	16	20
Animal Sc.	PF	Control of infection	1	off	2	2	4	11	23	34	38
Animal Sc.	PF	value addition through Milk By-products	1	on	0	9	9	7	31	38	47

Animal Sc.	PF	Disease management of Goats	1	off	27	16	43	0	0	0	43
Animal Sc.	PF	Fodder grass production for Dairy cattle	1	on	8	2	10	13	1	14	24
Animal Sc.	PF	Imporatnce of sex sorted semen	1	on	5	8	13	15	63	78	91
Animal Sc.	PF	Nutritional & disease management of Livestock	1	off	7	32	39	13	8	21	60
Animal Sc.	PF	Vermicompost production	1	on	3	2	5	12	9	21	26
Animal Sc.	PF	Nutritional value of Dairy	1	on	0	22	22	0	0	0	22
Animal Sc.	PF	Fodder management of Livestock	1	off	3	0	3	22	0	22	25
Animal Sc.	PF	Housing & nutritional management of Duck	1	on	3	37	40	0	0	0	40
Animal Sc.	PF	Disease management of Poultry	1	off	0	0	0	28	3	31	31
Animal Sc.	PF	Nutritional management of Dairy cattle	1	off	0	0	0	19	14	33	33
Animal Sc.	PF	Disease management of Livestock	1	off	67	32	99	88	25	113	212
Animal Sc.	PF	Fodder management of Livestock	1	off	69	20	89	85	51	136	225
Animal Sc.	PF	Fodder management of Dairy cattle	1	Off	6	9	15	10	0	10	25
Animal Sc.	PF	Nutritonal management of Dairy cattle	1	Off	6	0	6	25	3	28	34
Animal Sc.	PF	Vaccination of Goat	1	Off	25	9	34	0	0	0	34
Animal Sc.	PF	Control of infertility in Dairy cattle	1	Off	1	0	1	28	2	30	31
Animal Sc.	PF	Care & management of disease in cattle & fodder management	1	Off	4	7	11	5	15	20	31
Animal Sc.	PF	Care & management of disease in cattle & fodder	1	On	0	0	0	7	0	7	7

		management									
Animal Sc.	RY	Dairy farm management	4	ON	28	12	40	0	0	0	40
Animal Sc.	RY	Care & prevention of disease management	1	OFF	2	0	2	17	0	17	19
Animal Sc.	RY	Goat farm management	4	ON	17	0	17	21	2	23	40
Animal Sc.	RY	Nutritional management of Poultry	1	OFF	2	0	2	14	2	16	18
Animal Sc.	RY	Commercial Dairy farming	5	ON	1	6	7	27	6	33	40
Animal Sc.	RY	DFI for income generation	1	off	4	0	4	20	6	26	30
Animal Sc.	RY	DFI for income generation	1	off	3	2	5	26	0	26	31
Animal Sc.	RY	IFS Model	3	On	0	0	0	5	25	30	30
Animal Sc.	RY	Commercial Goat farming	3	On	6	8	14	12	14	26	40
Animal Sc.	RY	Housing management of Livestock	3	On	8	12	20	11	9	20	40
Animal Sc.	RY	Selection of Bred for Dairy cattle	5	On	19	16	35	0	0	0	35
Animal Sc.	RY	Disease management of Goats	4	On	10	5	15	30	5	35	50
Animal Sc.	RY	Goat farm management	1	off	3	15	18	32	0	32	50
Animal Sc.	RY	Commercial poultry farming	1	off	4	2	6	36	8	44	50
Animal Sc.	RY	Nutritional management of Dairy cattle	5	on	13	24	37	0	0	0	37
Animal Sc.	RY	Nutritional management of Dairy cattle	1	off	0	13	13	0	0	0	13
Animal Sc.	RY	Fish cum Duck farming	1	off	4	31	35	0	0	0	35
Animal Sc.	RY	Poultry farming	1	off	2	31	33	0	0	0	33
Animal Sc.	RY	Dairy farm management	5	On	4	3	7	23	10	33	40
Animal Sc.	RY	Nutrtional management of Dairy cattle	1	Off	7	4	11	11	2	13	24
Animal Sc.	EF	Recent technique of Artificial insemination of Livestock	1	off	0	0	0	15	1	16	16
Animal Sc.	EF	Fodder production for Dairy cattle	1	Off	1	0	1	16	3	19	20
Animal Sc.	EF	Importance of	1	on	0	0	0	16	0	16	16

		Fodder grass for Dairy cattle									
Animal Sc.	EF	Recent development technology for Dairy cattle and small ruminant animals	1	Off	1	0	1	28	2	30	31
Soil Sc.	PF	Wheat crop cutting in CRA	1	OFF	0	0	0	2	0	2	2
Soil Sc.	PF	Layout & cultivation of vegetable garden	1	OFF	4	30	34	0	0	0	34
Soil Sc.	PF	Soil sampling technique & Soil Health card	1	on	1	22	23	3	3	6	29
Soil Sc.	PF	Importance of Green manuring in Soil	1	on	12	2	14	3	5	8	22
Soil Sc.	PF	In corporation of compost to improve soil health	1	on	9	11	20	4	5	9	29
Soil Sc.	PF	Estimation of moisture content of vermi compost using moisture water	1	on	2	19	21	0	0	0	21
Soil Sc.	PF	Crop diversification and soil fertility conservation	1	on	2	4	6	3	21	24	30
Soil Sc.	PF	Integrated nutrient management in Paddy	1	on	0	3	3	4	14	18	21
Soil Sc.	PF	Irrigation scheduling in Paddy	1	off	2	1	3	16	6	22	25
Soil Sc.	PF	Weed management in Kharif crops	1	off	0	7	7	6	51	57	64
Soil Sc.	PF	Weed management in Paddy	1	off	5	4	9	17	8	25	34
Soil Sc.	PF	Pest & disease management in Paddy	1	Off	2	2	4	23	0	23	27
Soil Sc.	PF	INM in Paddy	1	On	7	9	16	25	8	33	49
Soil Sc.	PF	Micro-nutrient deficiency symptom in crops	1	Off	12	7	19	3	5	8	27
Soil Sc.	PF	Use of Green seeker & LCC in Paddy	1	Off	1	2	3	8	11	19	22

Soil Sc.	PF	Weed management in DSR Paddy	1	On	13	17	30	12	5	17	47
Soil Sc.	PF	Identification of nutreint deficiency & tixicity in Paddy	1	On	4	8	12	8	6	14	26
Soil Sc.	PF	Importance of Micro-nutrient in Crop	1	On	1	7	8	10	0	10	18
Soil Sc.	PF	Maintenance of soil health by prevetion of residue burning	1	off	2	3	5	11	22	33	38
Soil Sc.	PF	CRM using waste decomposer & Mushroom production	1	off	2	3	5	6	11	17	29
Soil Sc.	PF	Establishment of nutritional garden in Rabi	1	off	1	4	5	14	9	23	29
Soil Sc.	PF	Importance of protein sources in our diet	1	on	2	2	4	19	7	26	38
Soil Sc.	PF	Irrigation scheduling in rabi crop	1	on	5	4	9	9	6	15	24
Soil Sc.	PF	package of practice for Potato cultivation	1	on	6	4	10	7	1	8	18
Soil Sc.	PF	Use of Biofertizer in Lentil cultivation	1	off	12	16	28	11	6	17	45
Soil Sc.	PF	fertilizer of irrigation management in rabi crops	1	off	7	32	39	13	8	21	60
Soil Sc.	PF	Importance of natural farming in manitenance of soil health & sustainable agriculture	1	on	0	22	22	0	0	0	22
Soil Sc.	PF	Role of biofertilizers in improving nutrient	1	on	2	6	8	24	3	27	35
Soil Sc.	PF	Nutrient rich food sources for human	1	off	7	8	15	12	6	18	33
Soil Sc.	PF	INM in rabi crops	1	off	3	13	16	9	6	15	33
Soil Sc.	PF	natural farming	1	on	7	3	10	10	4	14	24
Soil Sc.	PF	Components to improve soil health	1	on	4	3	7	8	1	9	16

Soil Sc.	PF	Importance of micro nutrients in rabi crops	1	On	7	13	20	3	2	5	25
Soil Sc.	PF	Nutrient rich food sources for human	1	On	1	23	24	0	0	0	24
Soil Sc.	PF	INM in rabi crops	1	On	2	3	5	25	11	36	41
Soil Sc.	PF	natural farming	1	On	5	10	15	4	3	7	22
Soil Sc.	PF	Components to improve soil health	1	Off	1	2	3	10	2	12	15
Soil Sc.	RY	Deficiency and toxicity symptoms of nutrient in paddy	1	off	4	5	9	16	8	24	33
Soil Sc.	RY	Sowing techniques of Arhar, Groundnut & maize	1	on	7	10	17	7	16	23	40
Soil Sc.	RY	Millets: Small grains, Big nutrition, better lives	5	on	0	43	43	0	7	7	50
Soil Sc.	RY	Role of Millets in Balanced nutrition	1	on	2	5	7	14	15	29	36
Soil Sc.	RY	Role of Natural farming for sustainable crop production	1	Off	2	31	33	0	0	0	33
Soil Sc.	RY	maintenance of nutrient proportion in Balanced diet	1	on	0	23	23	0	0	0	23
Soil Sc.	EF	Development of nutritional garde n	1		0	0	0	17	3	20	20

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost producer	Vermicompost producer	Seed production techniques on Moong	10	30	0	30				
Seed production	Seed production	Quality seed production of kharif crop	5	31	0	31				
Seed production	Seed production	Seed production techniques of Berseem	5	36	0	5				
Bee Keeper	Bee Keeper	Bee Keeper	10	24	6	30	Apiary	5	5	-
Bee Keeper	Bee Keeper	Bee Keeper	10	23	7	30	Apiary	4	4	-
Water Conservation	Water Conservation	Water conservation in Raised Bed Maize	4	28	2	30				
Repair & maintenance of Farm machineries	Repair & maintenance of Farm machineries	Operation, repair and maintenance of sowing implements	5	30	20	50				
Dairy	Dairy Management	Dairy farm management	4	28	12	40	Dairy	21	21	-
Goat Farming	Goat Framing	Goat farm management	4	38	2	40	Goatry	15	15	-
Dairy	Nutritional management	Commercial dairy farming	5	28	12	40	Dairy	21	21	-
Goat Farming	Goat Framing	Selection of bred for Dairy cattle	5	19	16	35	Goatry	15	15	-

Poultry	Poultry management	Disease management of Dairy cattle	4	40	10	50	Dairy	31	31	-
Dairy	Nutritional management	Nutritonal management of Dairy cattle	5	13	24	37	Goatry	13	13	-
Dairy	Dairy management	Dairy farm management	5	18	6	24	Poultry	17	17	-
Mal-nutrition erdication	Mal-nutrition erdication	Millets: Small grains, big nutrition, better lives	5	0	50	50	Dairy	16	16	-

**Training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Dairy management	Dairy management	January 2024	1	PF	1										60	ATMA, Jehanabad
2	Scientific & practical tips on Millets	ICM	May 2024	1	PF	1										40	ATMA, Jehanabad
3	Scientific cultivation of Millets	ICM	June 2024	1	PF	1										80	Smile project Phase III
4	Scientist farmers interaction programme on Millets	ICM	July 2024	1	EF	1										50	ATMA, Jehanabad

5	Importance of Fodder crop for Dairy cattle in Kharif season	Fodder management	July 2024	1	PF	1										60	ATMA, Jehanabad
6	Bee Keepr	Bee Keeper	Nov. 2024	10	RY	1										30	BSDM
7	Vermicompost Producer	Vermicompost Producer	October 2024	10	RY	1										30	BSDM
8	Machines for crop residue management & rabi crop sowing	Crop residue management	1	Oct. 2024	EF	1										96	DAO, Jehanabad
9	Disease management of Livestock	Disease management	1	Nov. 2024	1	PF										212	ATMA, Jehanabad

10	Fodder management of Livestock	Fodder management	1	Nov. 2024	1	PF										225	ATMA, jehanabad

Area of training	No. of Courses	No. of Participants											
		General			SC			ST			Grand Total		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													

Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2024

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

K. Information on Skill Development Training Programme (Other agency if any) if undertaken

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	Vermi-compost Producer (Ver. 3.0)	Vermi-compost Producer (Ver. 3.0)	60	0	0	0	0	15	15	15	15	30	
2	Vermi-compost Producer (Ver. 3.0)	Vermi-compost Producer (Ver. 3.0)	60	0	0	0	0	17	13	17	13	30	
3	Bee Keeper (Ver. 3.0)	Bee Keeper (Ver. 3.0)	60	0	0	0	0	17	13	17	13	30	
4	Bee Keeper (Ver. 3.0)	Bee Keeper (Ver. 3.0)	60	0	0	0	0	22	8	22	8	30	

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kisan Mela participated	8	431	124	680	112	0	10	5	15	2	0	570	125	695	114	0
Field Day	16	1485	219	1704	180	0	0	0	0	0	0	1485	219	1704	180	0
Kisan Ghosthi	6	740	149	889	98	0	4	2	6	0	0	744	151	895	98	0
Exhibition organized	-	-	-	--	-	-	-	-	-	-	-	-	-	-	-	-
Participation in exhibition	8	890	245	1135	123	0	22	8	30	4	0	912	253	1165	127	0
Film Show	46	540	73	613	52	0	0	0	0	0	0	540	73	613	52	0
Method Demonstrations	7	85	6	91	9	0	0	0	0	0	0	85	6	91	9	0
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Workshop																
Group discussion	12	10	0	10	0	0	0	0	0	0	0	10	0	10	0	0
Lectures delivered as resource persons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Advisory Services	2983			2983										2983		
Scientific visit to farmers field	312	447	52	499	45	0	0	0	0	0	0	447	52	499	45	0
Farmers visit to KVK	2370	3100	706	3806	215	0	0	0	0	0	0	3100	706	3806	215	0
Diagnostic visits	98	47	21	53	30	0	0	0	0	0	0	47	21	53	30	0
Exposure visits	21	630	211	841	66	0	0	0	0	0	0	630	211	841	66	0
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp participation	3	85	17	102	16	0	0	0	0	0	0	85	17	102	16	0
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Special day celebration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	34	1750	526	2276	228	0	0	0	0	0	0	1750	526	2276	228	0
Celebration of important date	12	435	215	650	55	0	0	0	0	0	0	435	215	650	55	0

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	25
Radio talks	8
TV talks	12
Popular articles published	9
Extension Literature	5
Electronic media	40
Any other	-

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Krishak Swarn Samridhi Week	6	490	Innovative agricultural practices for sustainable farming and Livelihood enhancement, crop diversification and best practice
			Livestock management and allied agriculture
			Seed production technology
			Vermicompost production
			Farm mechanization
			Recent advances in plant protection measures and soil health management

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	41	4	45	0	0	0	41	4	45
International Women's Day (8th Mar.)										
Ambedkar Jayanti (14th Apr.)										
Earth Saving Day (22.04.2024)	1	18	12	30	0	0	0	18	12	30
World's Veterinary Day (Last week of April)	1	22	13	35	0	0	0	22	13	35
World 'Milk Day	1	19	0	19	0	0	0	19	0	19
World Environment day (5th June)	1	31	25	56	0	0	0	31	25	56
International Yoga Day (21st Jun.)	1	15	0	15	0	0	0	15	0	15
ICAR foundation Day (16th July.)	1	28	30	58	0	0	0	28	30	58
Independence Day (15th Aug.)	1	24	4	28	0	0	0	24	4	28
Parthenium Awareness Week	7									Mass
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)										
Mahila Kisan Diwas (15th Oct.)	1	2	30	32	0	0	0	2	30	32
World Food Day (16th Oct.)										
Vigilance Awareness Week										

National Unity Day (31st Oct.)										
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)										
World Soil Day (5th Dec.)	1	22	23	45	0	0	0	22	23	45
Kisan Diwas (23rd Dec.)										
Any other day										

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	28.02.2024	PM Kisan Samman Yojna	Hon'ble PM	50	11	0	61
2	18.06.2024	PM kisan Samman Nidhi	Hon'ble PM	103	11	0	114
3	11.08.2024	Awareness programme on 109 varieties	Hon'ble PM	68	11	0	79
4	15.08.2024	Nationwide Launch of National Pest Surveillance System (NPSS)	Hon'ble AM	62	2	0	64
5	16.07.2024	ICAR foundation day	Hon'ble AM	58	11	0	69

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Paddy	R. Sweta, MTU-7029	250	750000	30	4	-	26	30
Wheat	HD-2967, DBW-187, Sriram-303	480	1300000	40	6	-	34	40
Lentil	HUL-57	30	180000	15	3	-	12	15
Potato	Pokhraj	250	500000	16	2	-	14	16
Total		1010	2730000	101	15	-	86	101

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Wheat (HD-2967)	123		55	0	190	245
	Paddy (R. Sweta)	150		120	0	320	440
Oil seed							

Pulses							
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings		15000	9000	120	0	60	180
Cauliflower	NBH Saritha	6000	3600	50	0	20	80
Cabbage	HYMAHY139,	3000	1800	20	0	20	20
Tomato							
Brinjal							
Chilli	G4	6000	3600	50	0	20	80
Onion							
Others							
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango							
Guava							
Lime							
Papaya							
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							

Spices							
Grand Total							

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

E. Fodder crops saplings

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Napier Grass	Hybrid Napier	2000 sapling	6000.00	6	0	34	40

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-food (Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)	10	2000	0	0	1	1
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							

Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING

a. **Details of equipment available in Soil and Water Testing Laboratory**

Sl. No	Name of the Equipment	Qty.
1		

b. Details of samples analyzed so far: Nil

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
-	-	-

c. Detail of Soil, Water and Plant analysis at KVK (2024)

Sl.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	210	10	210	-
2.	Water	30	6	30	-

3.	Plant	310	70	310	-
4.	Fertilizers	50	10	50	-
5.	Manures	70	12	70	
6.	Food				
7.	Others (Livestock health services)	100	15	100	-

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1						

I. Activities under Rain Water Harvesting structure and Micro Irrigation System

S.No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)
1	16	0	0	556	16

3.5. b. Seed Hub Programme - *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

1. Name of Seed Hub Centre:

Name of Nodal Officer:	
Address :	
e-mail :	
Phone No. : Mobile :	

2. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed production	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed from KVK	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-24	Total amount (Lakh) in Seed Hub project presently

3. Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	-	-	-	
2017-18	-	-	-	
2018-19	-	-	-	
2019	-	-	-	
2020	-	-	-	
2021	-	-	-	
2022	-	-	-	
2024	-	-	-	
2024	-	-	-	

4. Infrastructure Development

Item	Progress
Seed processing unit	-
Seed storage structure	-
Nursery	-
Animal sector	-
Mushroom / other enterprises	-
Others	***Farm Machineries equipment shed under CRA***

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form (Authors name, year, title, volume, issue, page no, journal name)	NASS Rating	
			>6	<6
1	Research paper	Khan, Anam, **Wajid Hasan***, Kalpana Bisht, Rashid Mumtaz Khan, Dipanwita Chattopadhyay, Jayeeta Majumder, Ilman Khan, S. Mohamed Rabeek, and Salman Ahmad. 2024. "Insect Phototaxis Mechanisms Innovations in Pest Control Strategies and Applications". *Uttar Pradesh Journal of Zoology* 45(20):169-80. (***NAAS Rating** (2025) =5.24*) https://mbimph.com/index.php/UPJOZ/article/view/4574 https://doi.org/10.56557/upjoz/2024/v45i204574		5.24
		Dr. **Wajid Hasan**, Dileep Kumar NT, Dr. Rashid Mumtaz Khan, Basavaraj N Hadimani, Himanshu Sekhar Behera, Dr. Gireesha D. 2024. Decoding the secrets of insect life: Pheromones, communication, and population dynamics.		5.20

		International Journal of Research in Agronomy, 7(8S):500-506. (***NAAS Rating** (2025**) =5.20***) https://doi.org/10.33545/2618060X.2024.v7.i8Sg.1309 https://www.agronomyjournals.com/special-issue/2024.v7.i8S.1309		
		Wajid Hasan, Rashid Mumtaz Khan, Milind D Joshi, Mohd Ashaq, Shakuli Kashyap and Asutosh Kumar Srivastava 2024. Emerging threat: Reviewing the impact and management of South American tomato pinworm (*Phthorimaea absoluta*). *International Journal of Advanced Biochemistry Research*, **8**(8): 464-469. https://doi.org/10.33545/26174693.2024.v8.i8f.1781 (***NAAS Rating (2025) =5.29***)		5.29
		Joshi, Milind D., Pooja Gupta, Gaurav, Asutosh Kumar Srivastava, Shikha Jagg **Wajid Hasan*** and Sheetanshu Gupta. 2024. Role of Microorganisms in Shapir Insect-Plant Interactions. *Uttar Pradesh Journal of Zoology* 45 (16):502-2 https://doi.org/10.56557/upjoz/2024/v45i164332 (***NAAS Rating (2025) =5.24***) https://mbimph.com/index.php/UPJOZ/article/download/4332/4500/7145		5.24
		Joshi, Milind D., Alok Kumar Srivastava, Mohd Ashaq, Shikha Jaggi, Poo Gupta, **Wajid Hasan*** and Sheetanshu Gupta. 2024. "Biocontrol Agents ar Plant Protection". Uttar Pradesh Journal of Zoology 45 (16):109-3 https://doi.org/10.56557/upjoz/2024/v45i164292 (***NAAS Rating (2025) =5.24***)		5.24
		Wajid Hasan, Sheetanshu Gupta, Reena Roy, Kh. Chandrakumar Sing, Lamneithem Hangshing, Chitrasen Lairenjam, Upinder Kaur, Shamik Dey, Ali R A Moursy, Kuldeep Yadav and Dhirendra Kumar 2024. Transforming Agriculture: Harnessing Modern Intelligent Tools and Cybernetics for Innovation. *Afr.J.Bio.Sc.* 6(9):4528-4546. https://doi.org/10.33472/AFJBS.6.9.2024.4528-4546 https://www.afjbs.com/uploads/paper/93beabfb6f0c02a7a2b6b6cca653ffb1.pdf https://www.scopus.com/sourceid/21101106407		
		Hasan, Wajid, Ramesha N M, Archana B R, Gurrala Saivamsireddy, Sagarika Choudhuri, Shradha Parmar, Kurru Charitha, and Shivam Kumar Pandey. 2024. "Advancing RNAi-Based Strategies for Eco-Friendly and Targeted Insect Pest Management in Sustainable Agriculture". Journal of Experimental Agriculture International (American Journal of Experimental Agriculture) 46 (6):833-63. https://doi.org/10.9734/jeai/2024/v46i62537 ***NAAS Rating (2025) 5.14***		5.14
		Showket Ahmad Dar, **Wajid Hasan**, Yendrembam K. Devi, Ivana Tlak Gajger & James John *2024. Enzyme-mediated adaptation of herbivorous insects to host phytochemicals. Phytochemistry Reviews.* https://doi.org/10.1007/s11101-024-09933-z ***NAAS Rating (2025) 13.30*** https://link.springer.com/article/10.1007/s11101-024-09933-z	13.30	

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Abstracts in Seminar/conference/ symposia published	**1.Kumar, J.**, Prasad, M., Hasan, W., Sohane, R.K. and Kumar, A. (2024). Assessment of Different Methods of Irrigation on Productivity of Tomato In Medium Land. Souvenir cum Abstracts/Proceeding Book ISBN 978-93-340-7696-7, 6th International Conference on "Cutting-Edge Solutions in Science- Agriculture, Technology, Engineering and Humanities" August 24-26, 2024: 560-562 2. Kumar, Abhay, Malik, M.S., Sabnam, Swati, Prasad, M., Mahto, D., Hasan, W., **Kumar, J.**, Kumari, V., Lakra, T.S. and Kumar, R. (2024). Innovative approach for enhancing the farmers' income through Agroforestry, Souvenir cum Abstracts/Proceeding Book ISBN 978-93-340-7696-7, 6th International Conference on "Cutting-Edge Solutions in Science- Agriculture, Technology, Engineering and Humanities" August 24-26, 2024: 536 3. Kumari, V., Mahapatra, P., Prasad,M., Mahto, D., Hasan, W., **Kumar, J.** and Kumar, A. (2024). Protective Role of Silicon In Plants Under Stress Conditions. Souvenir cum Abstracts/Proceeding Book ISBN 978-93-340-7696-7, 6th International Conference on "Cutting-Edge Solutions in Science- Agriculture, Technology, Engineering and Humanities" August 24-26, 2024: 565		
Books published	1. **Wajid Hasan**, Mohd Ashaq, G J Abhishek, Ningaraj Belagalla, Tapas Kumar Hembram, Masarat Bashir and Omais Bin Ayoub 2024. Sericulture, Principals, Practice Biotechnology and Breeding Techniques. ISBN: 978-93 58991-14-7. 428 Pages. Published by: Elite Publishing House, New Delhi. www.elitepublishing.in. 2. **Wajid Hasan**, Arshad Ali Haider, Sheetanshu Gupta, Awanindra Kumar Tiwari, and Shivangi S. Kansara 2024. Global Climate Stress: Smart Plant Protection and Management. Published by: Red'shine Publication Pvt. Ltd. Lunawada, India. ISBN: 978-93-93239-79-2. Pages 386. DOI https://doi.org/10.25215/9393239797 3. Singh, R., **Kumar, J.,** Shukla, P., Pachlasiya, N. an Agnihotri, N. (2024). Introductory Soil and Water Conservation Engineering. ND Global Pub. House, Ayodhya, ISBN 978-81-972418-3-3: 251 PP. 4. Prasad, M., **Kumar, J.**, Kumar, M., Mahto, D. and Hasan, W. (2024). Krishak Sandesh, August 2024, KVK, Jehanabad, issue 50, year 12: 46 pages	-	-

Book chapter published			
Popular articles published	1. **Wajid Hasan** 2024. Biopesticides: An Eco-Friendly a Sustainable Alternative to Synthetic Pesticides. Global Ag Vision 2024, 38(5):247-255. e-ISSN: 2583-9683, May 202 2. **Wajid Hasan** 2024. The Emergence of Biopesticides as Key Component of Integrated Pest Management System Global Agri Vision 2024, 24(8):155-160. e-ISSN: 258 9683 June 2024 http://www.globalagrivision.in/ 3. Vikas Yadav and **Wajid Hasan** 2024. Exploring t Economic Potential of Insects in Food and Feed Productio The Agriculture Magazine, 4(2): 105-108. ISSN 2583-175 https://theagricultureonline.com/ 4. **Kumar, J.**, Prasad, M. and Sohane, R.K. (2024). Drip (Tapak) Sinchai Pranali: Sinchai ki Aadhunik Taknik, Krishak sandesh, September 2024, KVK, Arwal ISSN 2320-6950: 25-27 **Kumar, J.,** Prasad, M., Sohane, R.K., Mandal, B.K. and Kumar, Abhay. (2024). Drip Sinchai Pranali keliye Dripper ka Chayan, Krishak sandesh, Year 12 issue 49, July 2024, KVK, Aurangabad, ISSN 2320-6950: 14-15. 5. **Kumar, J.** and Kumar, A. (2024). Apkendri pump ki trutiyanevamNirakaran, Krishak Sandesh, Year 12 issue 50, August 2024, KVK, Jehanabad, ISSN 2320-6950: 21-22. 6. **Kumar, J.,** Prasad, M., Sohane, R.K., Kumar, M. and Kumari, V. (2024). BagwaniFaslon me Mulching, Krishak Sandesh, Year 12 issue 50, August 2024, KVK, Jehanabad, ISSN 2320-6950: 30-31. 7. Kumar, A., Kumar, M., Kumar, V. and **Kumar, J.** (2024). Sprinkler, Foggerevam Mister Hitek Sinchai Vidhiyon ka MahatvevamUpyog, Krishak Sandesh, Year 12 issue 50, August 2024, KVK, Jehanabad, ISSN 2320-6950: 34-35. 8. Kumar, P., Singh, S.K., Sharda, K. and **Kumar, J.** (2024). Gramin Kshetron me Rojgar keAwsaron se RukegaPalayan, Krishak Sandesh, Year 12 issue 50, August 2024, KVK, Jehanabad, ISSN 2320-6950: 43-44. 9. Kumar, M. and **Kumar, J.** (2024). Mungfali Kheti, Krishak Sandesh, Year 12 issue 50, Augu 2024, KVK, Jehanabad, ISSN 2320-6950: 45-46. 10. Dr. Manoj Kuamr, SM	-	-

	(Agronomy)Vermicompost se Laav, Krisha Sandesh, Nov. 2024 Ank-53 Varsh-12, KVI Lakhisarai		
Success story published			
TOTAL			

C. Details of Extension Publications

Particulars	Details of publication (Totle, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published			
Agro-advisory bulletins	-	-	-
Extension folders/leaflet/pamphlets			
Technical reports	Annual report, Extension Council report	10	10
News letter	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	**Name of KVK personnel**	**designation**	**Name of course/training program attended**	**Date**	**Duration**	**Organizer/Venue**
1.	Ms. Varsha Kumari	SMS (Soil Sc.)	"Training cum exposure visit on Natural farming for the master trainers"	14-18 May 2024	5	MANAGE, hyderabad
2.	Dr. Dinesh Mahto	SMS (Animal Sc.)	Summer school on "Current development in dairy science & Technology"	July 2024	21	SGIT & BASU, Patna
3	Ms. Varsha Kumari	SMS (Soil Sc.)	Training programme on Innovation in Digital Extension	16-20 Dec. 2024	5	ICAR-NAARM, Hyderabad
4	Dr. Dinesh Mahto	SMS (Animal Sc.)	Exposure visit cum training programme of Vermicomposting culture "Jai Gopal" under SAP	17-18.May 2024	2	IVRI, Izatnagar, Bareilly, U.P.
5	Er. Jeetendra Kumar	SMS (Agril. Engg.)	Solar powered irrigation system	09-11 Sept. 2024	3	BISA, Jabalpur

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1					

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/kind)	Achievement	Conferring Authority
1	Jehana bad	Sri Dhanesh Kumar	Certificate of participation	Vill-Chappana, Block Ghosi-804406	9065689513	-	Outstanding performance in agriculture	ICAR-RCER, Patna
2	Jehana bad	Sri Mohan Prasad Verma	Certificate of participation	Vill-Korma, Block Ghosi-804406	9801664700	-	Outstanding performance in agriculture	ICAR-RCER, Patna

3.7. TECHNOLOGY DEVLOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

C. Indicate the Specific Training Need Analysis Tools/Methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

4. IMPACT

A. Impact of KVK activities/ large-scale adoption of technology

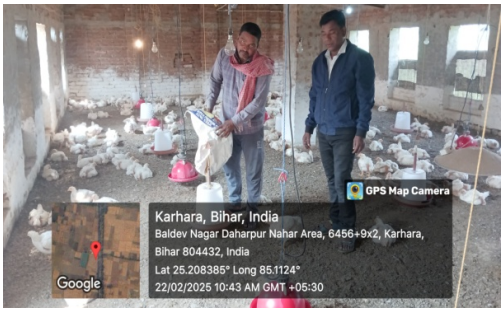
Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	Impact of the technology in subjective terms	Impact of the technology in objective terms	Change in income (Rs.)	
							Before (Rs. /Unit)	After (Rs. /Unit)
Bee keeping	Apiculture	135	121	25	Income generation by Honey production and enhance pollination	25	0	24000
Poultry farm worker	Polutry	42	36	74	High demand of Poultry meat	74	10000	180000
Dairy farmer (entrepreneurship)	Dairy	112	84	70	Self employement by sale of milk and dairy products	70	5000	20000
Animal Health Worker	Dairy	32	18	80	Self employement	80	-	60000
Mushroom Grower	Mushroom	70	62	65	Self employement	65	0	6000
Goatry	Goatry	42	34	60	Self employement by sale of kid and goat meat	60	**0**	**7000**
Value addition in paddy straw	CRM	21	46	12	Fodder and mushroom production	12	0	6000
Zero tillage	Farm Machinary	580	210	40	Soil health conservation and reduction in cost of cultivation	40	0	5250
Vermicomposting	Vermicompost	85	32	30	Improved Soil health and organic cultivation	30	800	3210

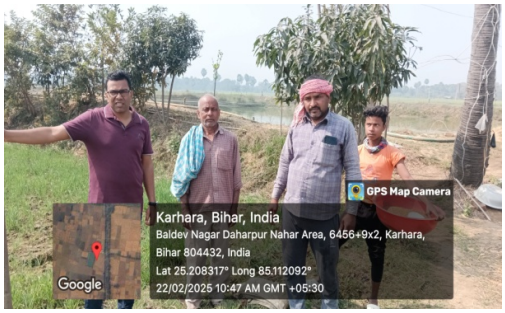
NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

B. Details of entrepreneurship/startup developed by KVK

Name of the entrepreneur/ Name of the enterprise/firm	IFS, Poultry, fish, paddy, wheat, Lentil, Mushroom, Plantation, Drip irrigation
Registered address of the entrepreneur/firm	Mr. Amit Kumar, Village; Daharpur, Ghosi, jehanabad
Year of establishment	2022
Type of Enterprise	IFS Model

Registration details	-
No. of members associated	05
Technical components of the enterprise (with commodity)	Fishery, poultry, crop cultivation along with drip irrigation
Annual Income/revenue of the enterprise	670000/-
Role of KVK/Technology backstopping (quantitative data support)	Training, Technology Demonstration, Linkage with line department
Period/Timeline of the entrepreneurship development	3 years
Economic and Social status of entrepreneur before and after the enterprise	Earlier he earned average income 1.8 lakh per year and after adopting IFS model his income increased upto 6.2 lakh per year
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Market link with Patna, Gaya and local Market of Jehanabad, Model is well economically viable He worked with his family member
Major achievements	Financial and Social status improved
Major constrains	Disease in Poultry, Scarcity of Labour
Images/Imp Documents	





C. Success stories/Case studies, if any

1. Personal information

1. Name of the farmer/ entrepreneur: **Ravindra Prasad**
2. Date of Birth: 01.01.1971
3. Education: B.A. (Hons.)
4. Farming Experience/ Experience in enterprise: IFS (Pond, Poultry, Cow, Agriculture)
5. Cell no./ e-mail: 7044881451
6. Full address: Daharpur, Ghosi, (PS+PO), Jehanabad
7. Professional membership: P.M. Kisan/ SHG
   (Farmer club/SHG/ATMA/etc.)
8. Major achievement of the farmers: Paddy, Wheat, Lentil, Mustard, Mohogani, Nimbu, Banana, Mango
9. Awards received: No

2. Professional Information

1. Title of the success story/case study : Integrated farming system
2. Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?) : SWOT analysis after survey/ PRA
3. Plan, Implement and Support/KVK Intervention(s):

(Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How):

Through Training, FLD and OFT

4. Details of Practices followed by the farmer: Paddy, Wheat, Lentil, Mustard, Mohogani, Nimbu, Banana, Mango

5. Results/ Output (economical/ social/ etc.) :

Paddy production- 100 q,

Wheat production- 50q,

Lentil production- 1 q,

Mustard- production 1 q

(Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)

6. Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families, groups and/or society- Provide a short summary of the actual change (on knowledge, attitude, skills, practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs or tables to illustrate a point.) *(50–100 words)*

Dairy, Poultry and training

7. Future plans: Dairy farm with 50 animals

8. Supporting Images

3. Economic Information

Enterprise	**Gross Income (annual)**	**Net income**	**Cost-Benefit ratio**
Paddy	200000	150000	3.0
Wheat	100000	70000	2.33
Mustard	20000	16000	3.8
Lentil	20000	15000	3.5
Fisheries	100000	70000	2.38
Poultry	200000	110000	1.9
Dairy	50000	26000	1.9

5. LINKAGES

5.1. Functional linkage with different organizations

Sl.No	Name of organization	Nature of linkage
1	DM Office	Krishi Task force meeting
2	DAO	Diagnostic survey, joint implementation and training
3	DHO	Participation in meetings and training.
4	ATMA	Training, Demonstration and Refinement of technology
5	Bank	Coordination for Farmers club and SHG formation & functioning.
6	COMFED	Marketing & Training.
7	Bihar Veterinary College, Patna	Infertility camp/ training

8	Magadh Dairy, Gaya	Animal health camp along with vaccination, Training of AI workers, PashuMela, Crop Residue Management
9	NABARD	Farmer's club formation, FPO
10	BAU, Sabour	Training, workshop, administration, financial, kisanmela, seed production etc.
11	Bihar Govt.	Crop Resilient Agriculture Programme, Centre of Excellence for Millets Value Chain
12	BAMETI, Patna	Domain and RPL training

5.2. Details of Externally funded project & Programmes during 2024 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
CRA Programme	Crop Resilient Agriculture	Kharif & Rabi Season	Bihar Govt.	8555000
Centre of Excellence for Millets Value Chain	MLT	Summer and Kharif	Bihar Govt.	1000000

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Aam Mahtosva 2024	Awareness	14-16 June, 2024	Govt. of bihar	
Awareness on scientific cultivation on Millets (Smile project Phase-III)	Awareness	08.06.2024	Govt. of bihar	
Visit of Krishi Gyan Vahan from BASU, Patna (Vill- Kako, Serthua, Makhdumpur, Modanganj)	Awareness	June 2024	BASU, Patna	
Parthenium awareness week	Awareness	16-22 Aug. 2024	ICAR	
Awareness programme of benefits of Millets cultivation on raised bed	Awareness	02.08.2024	Govt. of bihar	
Awareness programme on machine for Millet's production	Awareness	06.08.2024	Govt. of bihar	
Ek Ped Maa Ke Naam	Awareness	21.08.2024	ICAR	
National Nutrition week/ Month celebration	Awareness	01-30.09.2024	ICAR	
Swachhta hi Sewa pakhwara	Awareness	17.09.2024	ICAR	
Kharif Maha Abhiyan	Awareness	11.06.2024 25-26.06.2024	ATMA, Jehanabad	
Vaccination and animal health camp	Animal Vaccination	12.04.2024 05.08.2024 17.08.2024	Govt. of bihar	
Technology week celebration	Celebration of Tech. week	23-28.09.2024	ICAR	
Prayogshala se khet tak	Awareness through BAU You tube channel	02.12.2023	BAU, Sabour	
Kisan Mela participation (Sonepur) and exhibition of CRA stall	Kisan Mela	14.12.2023	CRA	

Vaccination of H.S.+B.C. vaccination	Vaccination	04-28.12.2023	Bihar Govt.	
Participation in Kisan gosthi on modern agricultural machineries	Awareness	17.12.2023	CRA	
Participation in Kisan yantrikaran mela	Awareness	08-09.12.2023	CRA	
Participation in launching of 4th agriculture Road Map at Patna	Krishi Road Map	18.10.2023	Bihar Govt.	
Kisano ki baat Krishi Mantri ke Sath	Awareness	13.10.2023	BAU, Sabour	
Animal Health camp cum vaccination of goats	Animal Health camp	20.10.2023	DAHO, Jehanabad	
Attended training on safe use of Glyphosate as master trainer conducted by NIPHM, Hyderabad	Scientist training	11.10.2023	NIPHM, Hyderabad	
Sawal jabab, progshala se khet tak	Awareness through BAU You tube channel	01.11.2023	BAU, Sabour	
Kisan Gosthi on Kharif DSR	Awareness	01.11.2023	CRA	
Animal Health Camp participation	Animal Health camp	12.04.2024	DAHO, Jehanabad	
Kisan Mela participation at KVK, Arwal	Kisan Mela	14.03.2024	KVK, Arwal	
Participation of Infertility camp organized by line dept.	Infertility camp	11.03.2024	DAHO, Jehanabad	
Kisan Gosthi on Garma crop	Kisan Gosthi	28.02.2024	Line Dept.	
Kisan Mela Agro Bihar, Patna	Kisan Mela	10.02.2024	Bihar Govt.	
Participation in Kisan mela at Khunti, Ranchi organized by ICAR, NISA, Ranchi	Kisan Mela	03-05.02.2024	Khunti, Ranchi organized by ICAR, NISA, Ranchi	
Particiaption in Kisan Mela at BAU, sabour	Kisan Mela	17-19.02.2024	BAU, sabour	
Participation in workshop on the topic Agri clinic Agri business centre programme organized by NABARD	Kisan Mela	22.02.2024	NABARD	
Participation in Krishi Yantrikaran Mela with KVK exhibiton at Krishi Bhawan, Jehanabad	Kisan Yantrikaran Mela	30-31.01.2024	Krishi Bhawan, Jehanabad	

6. PERFORMANCE INDICATORS

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost	2018	41.8	Jai Gopal	Vermi-compost	60	-	49700	
2.	Azolla	2020	9.3	Azolla Carolina	Azolla	75 kg/month	-	0	
3.	Dairy	2022	27.87	Sahiwal cross	Milk	2689.2 Litre	-	123705	
4.	Net House	2010	12	-	Seedling	15000	-	9000	

					s				
5.	Mushroom	2018	60.04	Oyster/ Button	Mushroom	12	-	1400	
6.	Goat unit	2025	14.23	Black Bengal		3	-		New unit
7	Poultry	2025	7.16	Vanraja		15	-		New unit

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	1-7 July, 2024	1-10 Dec., 2024	2.5	R. Sweta	F/S	85.76	210580.0	445952.0	
	1-7 July, 2024	1-10 Dec., 2024	2.0	R. Sweta	C/S	69.4		326180.0	
Wheat	10-20 Dec. 2023	15-20 April, 2024	4.5	HD-2967	F/S	115.65	185280.0	647640.0	
Potato	28.11.2023	15.03.2024	0.4	BARI	T/L	16.5	20600.0	49400.0	
				UCIMAP	T/L	15.0		54000.0	

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

6.4. Performance of Instructional Farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Cow	Sahiwal cross	Milk	2	105500	123405	Functional
2.	Goat	Black Bengal	Kids	3	27450	-	Started
3.	Poultry	Vanraja	Eggs	15	750	-	Started

6.5. Performance of Automatic Weather Station in KVK:

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2010	ICAR	Not functional

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)

September 2024	7	120	-
Total:	7	120	

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed: Yes
- No. of staff quarters:6
- Date of completion:
- Occupancy details: 3 occupied and 3 vacant

Months	Q I	QII	Q III	QIV	Q V	QVI
Jan to Dec. 2024	✓					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Main A/c	PNB	Kako, Jehanabad	2321000100338968
KVK Main A/c	SBI	BVC, Patna	11435538045
KVK R/F A/c	PNB	Kako, Jehanabad	2321000100338977
KVK R/F A/c	SBI	BVC, Patna	30777637395
CFLD in Pulse	SBI	SBI, Kako	42183581628
CFLD in Oilseed	SBI	SBI, Kako	42183583557

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Mustard	-	5.67500	-	1.27000	4.40500

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs): NIL*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2024
	Kharif	Rabi	Kharif	Rabi	

7.4. Utilization of KVK funds during the year 1st April 2024 to 15 January 2025 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	12269500	12269500	12164838
2	Traveling allowances			
3	Contingencies			
A	Stationary telephone, postage and other charges POL, repair of vehicle, tractor and equipments	434000		401265
B	Training of farmers			
C	Training material			
D	Training of EF			
E	Training of RY	271000		
F	FLD	120000		101305
G	OFT	65000		42520
H	Extension activities/ Exhibiton, Kisan Mela etc.	40000		
I	Maintenance of building	30000	846350	29330
J	Swachhta Expenditure	40000		32900
TOTAL (A)		13269500		
B. Non-Recurring Contingencies				
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
TOTAL (B)		-	-	-
C. REVOLVING FUND				441995
GRAND TOTAL (A+B+C)		13269500	13115850	13214153

7.5. Status of Revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	6816907.17	863036.00	296734.00	7979567.17
2022	7979567.17	451319.00	355248.00	8075638.17
2023	8075638.17	945479.17	424367.00	9146355.17
2024	9146355.17	957479	441995	11261839.17

7.6. (i) Number of SHGs formed by KVKs – 8

Sl. No.	Name of SHG	Village	Block	No. Of farmer attached
1	Kiran, A	Nurpur	Modanganj	12
2	Aditya	Nurpur	Modanganj	15
3	Aradhya	Nurpur	Modanganj	11
4	Adarsh	Nurpur	Modanganj	13
5	Puja Mahila Mandal	Godsur	Ghosi	10
6	Kamal Swawn Shayata Samuh	Korma	Ghosi	10
7	Saraswati Jeevika Swayam Sahayata	Ranipur	Kako	12
8	Ganga Jeevika Swayam Sahayata	Ranipur	Kako	12

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

- Vegetable production.
- Goatry.
- Mushroom production.
- Agarbatti Making
- Decorative items making by use of Paddy straw
- Dairy
- Poultry
- Herbal pesticides &dhoopbatti
- Apiary
- Pickles making

(iii) Details of marketing channels created for the SHGs

- Mahila Bank,
- Gramin Bank,
- Local market Patna, Gaya, Nalanda,
- Magadh dairy Co-operative Gaya
- Agricultural Institutions
- FPO

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Kharif Maha Abhiyan	01	Kharif			✓
Rabi Maha Abhiyan	01	Rabi			✓
Animal health Camp	01	Rabi	✓		

Kharif workshop	01	Kharif			✓
Rabi workshop	01	Rabi			✓
Soil health awareness programme	01	Rabi			✓
Farmers scientist interaction programme	01	Kharif/Rabi		✓	
Extension functionaries Training	01	Rabi	✓		
Krishi Yantrikaran Mela	02	Rabi			✓

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	BSDM	3,00,000.00	BAMETI, Patna
2.	BSDM	20000.00	BAMETI, Patna
3.	BSDM	20000.00	BAMETI
4	BSDM	52,613.00	BAMETI
5	BSDM	71,720.00	BAMETI
6	BSDM	49,240.00	BAMETI
7	BSDM	75,900.00	BAMETI

7.9 Resource Generation

Sl. No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Sale of Seed	Sale of Seed	KVK	13,45,838.00	-
2	Sale of Non seed	Sale of Non seed	KVK		-
3	Training Hall and Farmer's Hostel	RAWE programme	KVK	5000.00	-
4	Sale of paddy straw bales	CRA	KVK	40,000.00	-
5	Soil Testing	Soil Testing	KVK		-
6	Plant sale and Orchard	Plant sale and Orchard	KVK	68,200.00	-
7	Bio-pesticide	Bio-pesticide	KVK		-
8	Biochar	Biochar	KVK		-
9	Vermicompost	Vermicompost	KVK	59,036.00	-
10	Fish seed	Fish seed	KVK		-
11	Mushroom Spawn	Mushroom Spawn	KVK		-
12	Scrap	Scrap	-	-	-

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
False smut	paddy	October	150	10%	510
Wilt disease	lentil	December	500	10-15%	300

Sheath Blight	Paddy	Sept- Oct.	110	10%	200

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
LSD	Hiefer & Cattle	2023-24	30%	No	-

8.3. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	

8.6 Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				Attended the programm	Chairman ZilaPanch ayat	Distt. Collector/ DM	Bank Officials	Farmers	Officials, PRI members	Total		

8.7 . Vikisit Viksit Bharat Sanklap Yatra: NIL

Sl.	No. of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming

8.8. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

8.9 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
17.01.2024	Dr. Pragya Bhadauria, Scientist, ATARI, Zone-IV, Patna	ATARI, Zone-IV, Patna	KVK actively involved in diversified activities. Good linkage with Line Department & farmers. May chose some key area for wide impact in the region. Staff are self motivated & hardworking

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
07.03.2024	Sri Uday Kumar, Jail Superitendant	Kako Jail Jehanabad	Interaction with farmers awareness programme conducted by KVK, Jehanabad
09.04.2024	Sri Ajay Kumar, AGM, FCI, Gaya	FCI, Gaya	Crop cutting experiment of ZT Chickpea & Raised Bed Maize
25.09.2024	Dr. Jaba Jagdish	ICRISAT, Hyderabad	Monitoring of trials, interaction with farmers, BSc students

8.10 Details of Scientific Advisory Committee (SAC) Meetings

<table>
<tr><th>Date</th><th>No of partici pants</th><th>Total statutory members present (sate line department)</th><th>Salient recommendations</th><th>Action Taken</th><th>If not, State reason</th></tr>
<tr><td>20.03.2025</td><td>35</td><td>10</td><td>अनुशंसा</td><td>कार्यवाही</td><td></td></tr>
<tr><td></td><td></td><td></td><td>पोषण वाटिका में औषधिय पौधे को शामिल किया जाये। अगली बैठक में पान अनुसंधान केन्द्र, इस्लामपुर के प्रभारी वैज्ञानिक को औषधीय पौधों के गार्डेन की स्थापना हेतु आमंत्रित किया जाय।</td><td>कृषि विज्ञान केन्द्र प्रक्षेत्र स्थित पोषण वाटिका में औषधीय पौधों को शामिल किया गया है तथा वैज्ञानिक सलाहकार समिति की 16 वीं बैठक में पान अनुसंधान केन्द्र, इस्लामपुर के प्रभारी वैज्ञानिक को आमंत्रित किया गया है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>आगामी 3 माह का प्रशिक्षण कैलेण्डर तैयार किया जाये एवं संबंधित विभागों को भेजा जाय।</td><td>प्रशिक्षण कैलेण्डर तैयार कर संबंधित विभागों को भेजा गया है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>ऑन फार्म ट्रायल, प्रथम पंक्ति प्रत्यक्षण एवं जलवायु अनुकूल कृषि कार्यक्रम में मिट्टी जॉच करवाई जाय।</td><td>कुल 210 मिट्टी के नमूनों की जांच कराई गई।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>नवीनतम तकनिकियों का जिला के कृषि एवं संबंधी विभागों के प्रसार कार्यकत्ताओं का प्रशिक्षण करवाया जाय।</td><td>जिला के कृषि एवं संबंधित विभागों के प्रसार कार्यकर्ताओ के नवीनतम तकनीकीयों पर 12 प्रशिक्षण दिया गया जिसमें 608 प्रसार कार्यकर्ताओं ने भाग लिया। जिसकी सूची निम्न प्रकार है।
<table>
<tr><th>दिनांक</th><th>विषय</th><th>प्रसार कार्यक संख्या</th></tr>
<tr><td>13.05.2024</td><td>समेकित कीट प्रबंधन</td><td>35</td></tr>
<tr><td>11.06.2024</td><td>कीट प्रबंधन</td><td>39</td></tr>
<tr><td>29.06.2024</td><td>डेयरी प्रबंधन</td><td>16</td></tr>
<tr><td>30.07.2024</td><td>चारा प्रबंधन</td><td>20</td></tr>
<tr><td>28.08.2024</td><td>धान की सीधी बुआई में समेकित पोषक तत्व प्रबंधन</td><td>21</td></tr>
<tr><td>30.09.2024</td><td>कृषि यंत्रों का देखभाल एवं रखरखाव</td><td>118</td></tr>
<tr><td>30.09.2024</td><td>डेयरी प्रबंधन</td><td>16</td></tr>
<tr><td>04.10.2024</td><td>पोषण वाटिका की स्थापना</td><td>20</td></tr>
<tr><td>11.11.2024</td><td>कृषि यंत्रों का देखभाल एवं रखरखाव</td><td>125</td></tr>
</table></td><td></td></tr>
</table>

				22.11.2024	रोग प्रबंधन	35	
				20.12.2024	डेयरी प्रबंधन	31	
				30.01.2024	ड्रिप एवं स्प्रीकलर सिंचाई प्रणाली का देखभाल एवं रखरखाव	132	
				कुल	12	608	
			प्रत्येक माह के अंतिम सप्ताह में केन्द्र के सभी कर्मचारियों के साथ मासिक बैठक किया जाये एवं इसका प्रतिवेदन प्रसार शिक्षा निदेशालय, बिहार कृषि विश्वविद्यालय, सबौर, भागलपुर, निदेशक अटारी, जोन–4 पटना को भेजा जाय।	प्रत्येक माह में मासिक बैठक किया गया और इसका प्रतिवेदन प्रसार शिक्षा निदेशालय, बिहार कृषि विश्वविद्यालय, सबौर, भागलपुर, निदेशक अटारी, जोन–4 पटना को भेजा गया।		
			मोटे अनाजों एवं उनके उत्पादों को बढ़ावा देने हेतु नाबार्ड, जहानाबाद से सहयोग लेकर किसानों को लाभ पहुँचाया जाय।	नाबार्ड जहानाबाद के सहयोग से संचाालित किसान उत्पादक संगठनों के माध्यम से मोटे अनाजों एवं उनके उत्पादों को बढ़ावा दिया गया तथा 22.02.2024 को एक वर्कशॉप का आयोजन किया गया।जिसमें कृषि विज्ञान केन्द्र ने सक्रिय रूप से भाग लिया।		
			जलवायु अनुकूल कृषि कार्यक्रम अंतर्गत विभिन्न प्रत्यक्षण के लिए कृषि यंत्र के उपयोग के बाद गैर अंगीकृत गाँव के किसानों को सुविधानुसार उपलब्ध करवाया जाय।	जलवायु अनुकूल कृषि कार्यक्रम अंतर्गत विभिन्न प्रत्यक्षण के लिए कृषि यंत्रों का अंगीकृत गाँव के किसानों को उपलब्ध करवाया गया।		
			फसल विविधीकरण विषय पर आत्मा, जहानाबाद के सहयोग से प्रशिक्षण का आयोजन किया जाय।	**फसल विविधीकरण विषय पर आत्मा, जहानाबाद के सहयोग से 02 प्रशिक्षण का आयोजन किया गया जिसमें 90 प्रशिक्षणार्थियों ने भाग लिया।**			
				माह	विषय	लाभार्थियों क	
				मई24	विभिन्न फसलों के उत्पादन तकनीक	40	
				जुलाई 24	मोटे अनाजों का उत्पादन तकनीक	50	

			फसल अवशेष प्रबंधन द्वारा किसानों के आय को बढ़ावा दिय जाने हेतु मशरूम उत्पादन, धान पुआल बंडल निर्माण, वर्मी कंपोस्ट निर्माण इत्यादि विषय पर प्रषिक्षण दिया जाय।	फसल अवशेष प्रबंधन से संबंधित 11 प्रशिक्षण का आयोजन किया गया जिसमें 364 प्रशिक्षणार्थियों ने भाग लिया। दिनांक | विषय | लाभार्थियों 1.10.24 | धान पुआल बंडल निर्माण | 96 14.10.24 | फसल अवशेष प्रबंधन | 18 07.10.24 | फसल अवशेष प्रबंधन | 29 18.10.24 | मशरूम उत्पादन एवं वेस्ट डिंकपोजर के माध्यम से फसल अवशेष प्रबंधन | 29 31.01.25 - 18.02.25 | वर्मी कंपोस्ट प्रोड्यूसर (आरपीएल) | 30 18.10.24- 05.11.24 | वर्मी कंपोस्ट प्रोड्यूसर (आरपीएल) | 30 5.01.24 | फसल उत्पादन में वर्मी कंपोस्ट का उपयोग | 30 04.10.24 | वर्मी कंपोस्ट एवं उसका उपयोग | 40 02.02.24 | वर्मी कंपोस्टिंग | 20 28–29.02.24 | वर्मी कंपोस्टिंग | 20 05.10.24 | वर्मी कंपोस्ट एवं उसका उपयोग | 22 कुल | 11 | 364	
			जिला पशुपालन पदाधिकारी से समन्वय स्थापित कर पशु स्वास्थ्य शिविर का आयोजन किया जाय।	जिला पशुपालन पदाधिकारी के समन्वय से 13. 02.25 को कृषि विज्ञान केन्द्र गंधार परिसर में पशु स्वास्थ शिविर सह बांझपन निवारण पर जागरूक कार्यक्रम का आयोजन किया गया। जबकि तीन गांवों में विभिन्न तिथियों में पशु स्वास्थ्य शिविर का आयोजन किया गया जिसकी सूची निम्न प्रकार है। दिनांक | गांव | प्रखंड 28.01.25 | सकरोढ़ा | मोदनगं 08.01.25 | रानीपुर | काको 31.01.25 | गोरसर | घोषी	
			प्राकृतिक कृषि में मोटे अनाजों का प्रत्यक्षण एवं किसानों को प्रशिक्षण कार्य किया जाय।	मोटे अनाजों पर दो प्रशिक्षण कार्यक्रम का आयोजन किया गया। दिनांक | विषय | प्रशिक्षाण संख्या 19–24.09.24 | मिलेट–छोटा अनाज अधिक पोषण, बेहतर जीवन | 50 03.10.24 | संतुलित पोषण के लिए मोटे अनाजों	

				का महत्व	
				कुल 02 86	
				मोटे अनाजों पर 75 एकड़ क्षेत्र में कुल किसान 105 किसानों के खेत पर प्रत्यक्षण किया गया	
			मॉडल स्वच्छ गाँव विकसित किया जाय जिसमें अंगीकृत गाँवों में जागरूकता प्रशिक्षण एवं कचड़ा प्रबंधन पर कार्यक्रम किया जाय।	मॉडल स्वच्छ गांव के रूप में पाल्या, मखदुमपुर को विकसित किया गया एवं अन्य अंगीकृत गांवों रामपुरचरूई, सकरोढ़ा, मननपुर, सिकरिया, गोरसर में स्वच्छता कार्यक्रम एवं जागरूकता प्रशिक्षण तथा कचड़ा प्रबंधन पर कार्यक्रम का आयोजन किया गया।	
			आगामी वैज्ञानिक सलाहकार समिति की बैठक में धान पुआल से सजावटी कलाकृति निर्माण संबंधित एक किसान,निकरा परियोजना से संबंधित गाँव से एक प्रगतिशील किसान, प्राकृतिक कृषि से संबंधित एक किसान, तथा मशरूम उत्पादन संबंधित एक किसान को शामिल किया जाय।	15 वीं वैज्ञानिक सलाहकार समिति की बैठक में निर्देशित किसानो/उद्यमियों को शामिल किया गया है।	
			बीज प्रसंस्करण एवं पैकेजिंग पर प्रशिक्षण हेतु किसान को जिले एवं राज्य से बाहर भेजा जाय।	बीज प्रसंस्करण एवं पैकेजिंग पर महिला स्वयं सहायता समुह के अध्यक्ष श्रीमति इन्दु देवी, हेरीडीह, मखदुमपुर को प्रशिक्षण दिया गया।	
			वैज्ञानिक सलाहकार समिति के अनुशंसाओं को सभी संबंधित विभागों को जानकारी हेतु प्रेषित किया जाय।	पिछली वैज्ञानिक सलाहकार समिति की बैठक की अनुशंसाओं को संबंधित विभागों को प्रेषित किया गया।	

**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI
17.12.2024	CFLD	Financial issue & progress of CFLD programme	Director, ATARI, Patna
27.12.2024	Technology Certification	Technology Certification	Director, ATARI, Patna
13.12.2024	Review	Review of KVK	Director, ATARI, Patna
18.12.2024	Stack Holder meeting	Stack Holder meeting	Director, ATARI, Patna
05.12.2024		Meeting on Non-Productive Cattle	Director, ATARI, Patna
21.11.2024	Kisan Sarathi Meeting	Kisan Sarathi Meeting	Kisan Sarathi team
12.11.2024	CFLD	CFLD Oilseed and Pulses implementation & Fund utilization	Director, ATARI, Patna

9. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed
RAWE	**7**	**120**

10. Any other programme organized by KVK, not covered above

Centre for Excellence for Millets Value Chain Project

Capacity Building:

Particulars	Awareness Programme		Capacity Building (Training)	
	No. of Programme	No. of Beneficiary	No. of Programme	No. of Beneficiary
Millet Promotion	14	1030	9	236

Germplasm Evaluation (Summer 2024):

Project	Crop	Germplasm	Variety	Total
Centre for Excellence for Millets Value Chain	Finger millet	6	7	42
	Proso Millets	7	5	35
	Total	13	12	77

Germplasm Evaluation (Kharif 2024):

Project	Crop	Germplasm	Released Variety	Local control	Total
Centre for Excellence for Millets Value Chain	Finger Millet	24	4	2	30
	Foxtail millet	23	5	2	30
	Barnyard millet	18	5	2	25
	Proso millet	18	5	2	25
	Little millet	18	5	2	25
	Kodo millet	23	5	2	30
	Total	124	29	12	165

Eradication of Malnutrition Programme

S. No.	Name of activities	Number of activities	Participates			Total Number/Area
			Children	Male	Female	
1.	**Trainings**	10	0	68	245	313
2.	Nutrition garden unit developed	37	0	4	33	4480 sq. m Production- 5287 kg
3.	Health Camp Organized	1	0	2	43	45 No.
4.	Awareness program	5	0	49	210	259
5.	FLD	14	0	110	166	276
6.	Other activities Animal Health camp	2	0	25	74	99 No.

Intervention taken towards Malnutrition Eradication (Kharif 2024)

S.No.	Intervention	Demonstration	Number	Result
1.	Seed	Kitchen garden kit	37	Dietary diversity achieved
2.	Seed	Paddy (R. Sweta)	20	
3.	Seed	Finger millet (Birsa Madua-3)	12	
4.	Back yard Poultry	Poultry chicks (Kadaknath)	10	Average body weight 1.2 kg/bird after 6 months of age (2% Mortality)
5.	Sprayer	Sprayer	01	Use for insecticide application
6.	Milk production and infertility control	Mineral Mixture	10	4 cows out of 10 conceived after feeding of mineral mixture

7.	Sorted semen for cow (inseminated)	Sahiwal	06	2 cows conceived

Intervention taken towards Malnutrition Eradication (Rabi 2024-25)

Sl. No	Crop/ enterprises	Technology demonstrated	Area in ha./ unit	No. of Demo.
1	Duck	Fish cum Duck farming	115 duckling	20
2	Veg. Pea	Use of vermicompost and bio- fertilizer	0.5 ha	12
3	Veg. Seed Kit	Nutritional gardening	50 No.	50
4	Vegetable seedling	Tomato, Cape Gooseberry, Brinjal, Chilli, Cauliflower, cabbage, Marigold	50 No.	50
5	Fruit Plants	Mango, Guava	25 No.	25
6	Onion seed & garlic clove	Kitchen Garden	10 No.	10

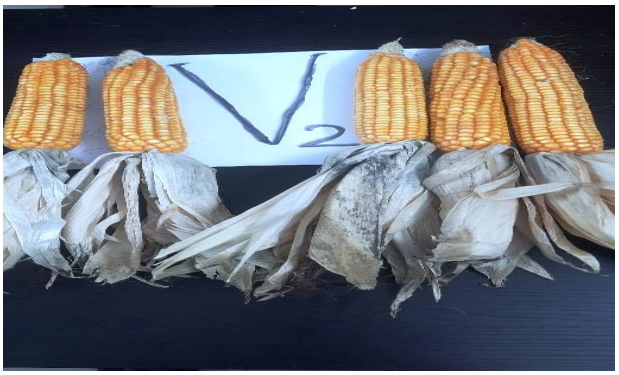
On Station Trial:

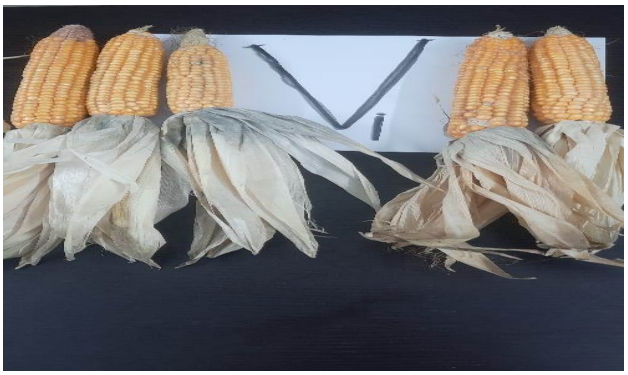
Title: Assessment of Maize yield potential in Bihar
Name of programme- On station trials (OST)
Location- KVK, Gandhar, Jehanabad
No. of variety-2
Sowing time- 1st and 2nd week of June, 2024
Source- DOR, BAU, Sabour
Spacing- Row to row 60 cm, Plant to plant- 20 cm
Sowing Method- raised Bed
Fertilizer application- As per recommended dose of fertilizer (NPK- 120:60:40 kg/ha) and Zinc- 25kg/ha
Data to be recorded:
1. Initial plant stand (10 DAS) in 5 random sample (4 m sq. each)
2.Final plant stand at harvest in 5 random sample (4 m. sq. each)
3. Days to 50% tasseling (On plot basis)
4. Days to 50% silking (on plot basis)
5. Days to 75% brown husk (On plot basis)
6. Diseases and insect pest incidence score
7. Plant height (cm) in 5 random sample (4 m. sq. each)
8. Grain yield (kg/ha) at 15% moisture

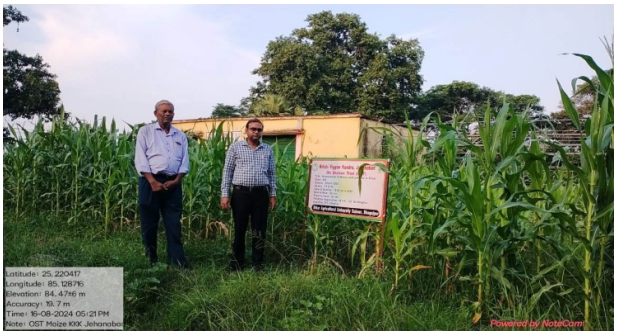
Data format for OST kharif Maize, 2024
Date of sowing: 15.06.2024
Plot size- 500 m. sq.

Table: Growth parameter, yield contributing character, yield and occurrence of insect pest and diseases as affected by assessment of maize yield potential in Jehanabad

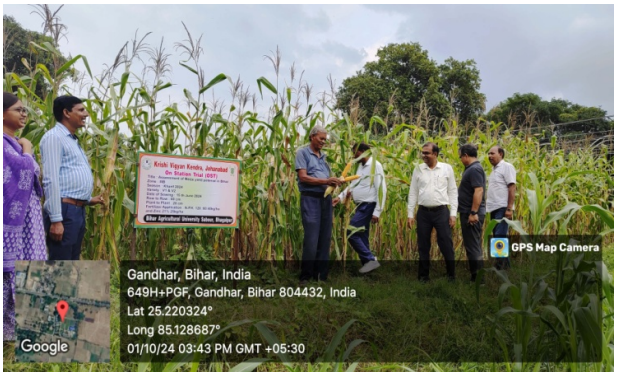
Sl. No.	Initial plant population (No.)	Final plant population (No.)	Final plant ht. (cm)	Days to 50% tasseling	Days to 50% silking	Days to 75% brown husk	Plot yield (kg)	Yield (q/ha)	%occurrence of disease	% occurrence of pest
V1	2040	1916	240.5	70	81	90	179	71.5	Nil	15
V2	2065	1958	260.3	75	85	95	191	76.4	Nil	09


V2


V1


Latitude: 25.220417
Longitude: 85.12875
Elevation: 84.4746 m
Accuracy: 19.7 m
Time: 16-08-2024 05:21 PM
Note: OST Maize KVK Jehanabad
Powered by NoteCam


Krishi Vigyan Kendra, Jehanabad
On Station Trial (OST)
Bihar Agricultural University Sabour, Bhagalpur
Latitude: 25.220283
Longitude: 85.128685
Elevation: 86.9748 m
Accuracy: 6.5 m
Time: 24-07-2024 01:40 PM
Note: OST Maize, KVK Jehanabad


Krishi Vigyan Kendra, Jehanabad
On Station Trial (OST)
Bihar Agricultural University Sabour, Bhagalpur
GPS Map Camera
Gandhar, Bihar, India
649H+PGF, Gandhar, Bihar 804432, India
Lat 25.220324°
Long 85.128687°
01/10/24 03:43 PM GMT +05:30
Google

11 PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project): NA

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Sowing date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

b. Fund received under TSP in 2024-25 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2024

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2024

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	8	241
b.	Women	3	125
c.	Rural Youths	5	195
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		4	47
3)	FLD	No. of FLDs	No. of beneficiaries
		24	991
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		65	65
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)	0	
c.	Production of Planting material (No. in lakh)	0	
d.	Production of Livestock strains (No. in lakh)	0	
e.	Production of fingerlings (No. in lakh)	0	
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	0	

Name of KVK	NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
	Demonstrations	Area (ha)	Demonstrations	Area (ha)	Demonstrations	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
Zone IV											

11.4. NICRA (Technology Demonstration component) : NA

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	RF (mm) district		Temperature ^{0}C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)

Performances of demonstration of in-situ moisture conservation technologies

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of ZTD in various crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs./ha)		
						Gross Cost	Net Return	BCR

Performance of artificial ground water recharge technologies demonstrated

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different water saving irrigation methods

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Rainwater harvesting structures developed

New (Nos.)	Renovated (Nos.)	Total	Storage capacity (cu m)	Protective irrigation potential (ha)	Cropping Intensity (%) increase

Performance of different drought tolerant varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different short duration rice varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/	Yield (q/ha)	Economics of demonstration (Rs/ha)

				Unit		Gross Cost	Net Return	BCR

Performance of different flood tolerant varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of advancement of planting dates in different crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water saving technologies for rice cultivation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha))	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/ green) utilized for livestock	No. of farmers	Area (ha)/ Unit	Yield (q/ha))	% of reduced fodder purchase from outside

Performance of Community nurseries

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Coverage area (ha)	Economics of demonstration (Rs/ha)		
						CoC of nursery	NR from nursery	BCR
	Ragi							
	Paddy							
	Vegetable (name)							
	Other							

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

Performance of different location specific intercropping systems

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different crop diversification in NICRA villages

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of other demonstration

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different fodder demonstration in community lands

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of improved fodder

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of various vaccination camps organized

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	o. of animal covered			
					Less 1 yr calf	Heifer	Adult
		FMD					
		HS					
		BQ					

For Goat/ sheep/ pig

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Kid	Buck	Doe
		PPR					
		Swine flue					
		FMD					

For poultry

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Chick (<9 weeks)	Growing chickens (9-20 week)	> 20 weeks
		Ranikhet disease					
		Bird flu					

Performance of fish in the ponds/ water bodies

FST	Fish species	Technology demonstrated with dose rate	No. of farmers	Area (ha)/ Unit	Fish yield (q/ha)	Economics of demonstration (Rs/ha)		
						CoC	NR	BCR

Performance of livestock demonstration in NICRA adopted villages (Buffalo/ Cow)

FST type	Animal / season (name)	Technology demonstrated	No. of farmers	No. of animals/ unit	Milk yield (liters/ lactation)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of livestock demonstration in NICRA adopted villages (Goat/ sheep/ Pig)

FST type	Animal / season	Technology	No.	No. of	Body	Economics of

	(name)	demonstrated	of farmers	animals/ unit	wt. (Kg/ animal)	demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of livestock demonstration in NICRA adopted villages (poultry)

FST type	Birds / season (variety/breed)	Technology demonstrated	No. of farmers	No. of birds/ unit	Body wt. (Kg / bird)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of improved shelters for poultry and dairy animals

FST	Technology demonstrated	No. of farmers	Demo. Unit size (No.)	Survival rate		% Increase in survival	Economics (Rs. /ha)			
				Demo	Local		Gross Cost	Gross Return	Net Return	BCR

INSTITUTIONAL INTERVENTION

Name Of KVK	Seed bank		Fodder bank	
	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

Name of KVK	Revenue Generated (Rs.)	
	From Custom Hiring Centres (2022-23)	Total under VCRMC

Extension Activities

Name of the activity	Number of Programmes	No. of beneficiaries		
		Male	Female	Total

Soil Health Card prepared and distributed

KVK	No. of soil samples collected	No. of samples analysed	SHC issued	No. of farmers benefitted

Convergence Programe

KVK	Development Scheme /Programme	Nature of work	Amount (Rs.)

Dignitaries visited NICRA Villages

Name of KVK	Name of VIPs/Experts	Date of visit

Newspaper Coverage

Publication (Research Paper, Book, Technical bulletins Paper presented in national/ international seminars etc.)

Success Stories (1-2 nos.)

Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI

Table: Capacity development (Training On-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.	Category

				Male	Female	General	OBC	ST	SC

Table: Capacity development (Training Off-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Custom Hiring of Farm-Implement

Name of farm implement/ equipment	No. of farmers used Implement	Area covered by Farm Implement	Farm Implement used (In Hours)	Revenue generated by Farm Implement (Rs.)	Expenditure incurred on repairing (Rs.)

Table: Village wise VCRMC

Village name	VCRMC Constitution date	VCRMC members (no.)		Meetings organized by VCRMC (no.)	Date of VCRMC meeting	Name of Secretary	Name of President	Major decision taken
		M	F					

Attachments: Good quality Photograph

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

Name of State	Name of district	No. of blocks allocated	No. of FPOs registered as CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business
Bih	Jehana	7	7	7	Yes	7	0	0	No	Yes	No	Yes	6

ar	bad												

Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding

S.No	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator
1	Praytan Agro FPCL	Jehanabad	U01409BR2021PTC054323	Pulse, Mushroom	Pulse , Mustard Oil	10	402	35.0	-
2	Barabar Agro FPCL	Mukhdumpur	U01100BR2021PTC053363	Pulse , Mushroom	Pulse , Mustard Oil	10	584	41.0	-
3	Morhar FPCL	Ratni faridpur	U01100BR2022PTC058867	Lentils, Black Gram	Lentil, Wheat, Rice	10	325	18.0	-
4	Bijuka Krishi Fed Producer Company Limited	Kako	U01110BR2023PTC061403	Oilseeds, Gram	Oilseeds, Gram	5	314	116.38	-
5	Hulasganj Krishi Fed Producer Company Limited	Hulasganj	U01114BR2023PTC062394	Oilseeds, Gram	Oilseeds, Gram	5	320	27.935	-
6	Sarvasiddhanta Krishi Fed Producer Company Limited	Ghosi	U01100BR2023PTC061587	Oilseeds, Gram	Oilseeds, Gram	5	337	6.92	-
7	Modanganj Krishi Fed Producer Company Limited	Modanganj	U01100BR2023PTC061741	Oilseeds, Gram	Oilseeds, Gram	5	312	2.345	-

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
5	1 ha	-	2	13	279	5	210

b. Details of OFT/FLD

OFT	**-**	**-**
Nutritional Garden	**-**	**-**
Bio-fortified Crops	**-**	**-**
Value addition (in no. of Unit or no. of Enterprise)	**-**	**-**
Other Enterprises (in no. of Unit or no. of Enterprise)	**-**	**-**
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden	**1 ha**	**100**
Bio-fortified Crops	**5 ha**	**12**
Value addition (in no. of Unit or no. of Enterprise)	**-**	**-**
Other Enterprises (in no. of Unit or no. of Enterprise)	-	-

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Safepur	Kitchen Garden	20	2000	20
2.	Keshopur	Kitchen Garden	20	2000	20
3.	Khalispur	Kitchen Garden	20	2000	20
4.	Baramsarai	Kitchen Garden	20	2000	20
5.	Chotkimath	Kitchen Garden	20	2000	20
TOTAL			100	10000	100

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries
Korma	Rabi	FLD	cereal	Wheat	DBW-187		
Godsur	Rabi	FLD	cereal	Wheat	DBW		
Maulabigha	Rabi	FLD	cereal	Wheat	DBW		

e. Details of Value addition in Nutri-Smart village: NIL

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

Safepur	Kitchen gardening, IPM in vegetables	2	40
Keshopur	Kitchen gardening, IPM in vegetables, Scientific cultivation of vegetable	3	62
Baramsarai	Kitchen gardening, IPM invegetables, Scientific cultivation of vegetable	3	54
Chotkimath	Kitchen gardening, IPM invegetables, Post harvest management in vegetable, Food processing, Scientific cultivation of vegetable, INM in vegetable	8	170
Khalishpur	Kitchen gardening, Scientific cultivation of vegetable	2	42

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Safepur	Training/ awareness programme	1	31
Keshopur	Training/ awareness programme	1	37
Baramsarai	Training/ awareness programme	1	25
Chotkimath	Training/ awareness programme	1	39
Khalishpur	Training/ awareness programme	1	32

11.7 Attracting and Retaining Youth in Agriculture (ARYA): NA

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of person left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit / Year (Rs.)	Economic Gains / unit (Rs.)	B:C Ratio	Employment generated/ year (manday @ 8 hr/ day)

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		**Bihar**	
Name of KVK		**Jehanabad**	
Agro Climatic Zone of Village/KVK		**III(B)**	
Farming Situation of the Selected Farmer/KVK	**Rice- Potato-Moong**	**Latitude (N)**	**Longitude (E)**
		25.219397	**85.1286674**

Physical information:

Name of KVK	**Name of activity**	**No of activities organized**	**No of participants**	**Participants (Male)**						**Participants (Female)**					
				GEN	OBC	SC	ST	Others	**Total**	GEN	OBC	SC	ST	Others	**Total**
Jehanabad	Training	6	169	24	45	20	0	0	89	12	49	19	0	0	80
Jehanabad	Awareness	1	45	5	11	7	0	0	23	7	9	6	0	0	22
Jehanabad	Demonstration	01	KVK Farm												
	Other activities														

Training information

Tittle of Natural Farming training Programme	Date of Training	Venue of programme	Participants (Male)						Participants (Female)							Remarks/ Observation/Feedback Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	GT	
Natural farming	24.06.2024	On	5	6	4	0	0	16	6	7	5	0	0	18		-
Different method of Natural farming	29-31 July 2024	On	8	10	7	0	0	25	1	3	1	0	0	5		-
Training on Natural Farming	17.08.2024	Off	6	8	2	0	0	16	6	11	3	0	0	20		-
Role of Natural farming for sustainable crop production	03.10.2024	Off	2	9	3	0	0	14	4	3	3	0	0	9		-
Importance of Natural farming in maintenances of soil health and sustainable agriculture	29.11.2024	On	1	3	2	0	0	6	0	0	0	0	0	0		-

Awareness programme information

Tittle of Natural Farming Awareness programme	Date of Awareness programme	Venue of programme	Participants (Male)						Participants (Female)							Remarks/Observation/Feedback Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	
Importance of natural farming in soil health card	20.07.2024	ON	3	5	2	0	0	10	9	14	5	0	0	28		-

Any other Programme /Activity organized for Natural farming promotion		
Name of the Innovative programme organized	**Significance of innovative programme**	**Remarks/Observation/Feedback Recorded**

Details of Beneficiaries under Demonsatration at Farmer's Fields: NIL

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Practicing NF Farmer	No. of farmers influenced to adopt NF	No. of farmers with whom the NF farmer can engaged all season	No. of farmers with whom the NF farmer can engage in 1 season	Any Remarks (in <50 words)

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date			
Name of State		**Bihar**	
Name of KVK/Farmer where demonstration conducted		**Jehanabad**	
Address of Farmer with contact detail		**-**	
Agro Climatic Zone of KVK/Village of farmer		**III(B)**	
Cropping patter of KVK plot/ Farmer plot		**Rice- Potato**	
Farming Situation of the Selected KVK/Farmer	**-**	**Latitude (N)**	**Longitude (E)**
		25.219397	**85.1286674**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
1	Paddy	R. Sweta	Kharif	Jeevamrit	0.4	-	Plant height (cm)	-	-
				Bijamrit			Other relevant parameter	-	-
				Meenastra			Yield (q/ha)	35	30.5
							Cost of cultivation (Rs/ha)	40000	42500
							Gross Return (Rs/ha)	80500	70150
							Net Return (Rs/ha)	40500	27650
							B:C Ratio	2.01	1.65
							Soil PH	6.9	5.9
							Soil OC (%)	0.52	0.42
							Soil EC (dS/m)	0.38	0.63
							Available N (Kg/ha)	353.4	413.1
							Available P (Kg/ha)	20.1	18.5
							Available K (Kg/ha)	214.3	207.1
							Soil Microbes (cfu)		
							Any other, specify		

Feedback of farmer	

Information of Farmer Already Practicing Natural Farming

S. No.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
											Plant height (cm)		
											Other relevant parameter		
											Yield (q/ha)		
											Cost of cultivation (Rs/ha)		
											Gross Return (Rs/ha)		
											Net Return (Rs/ha)		
											B:C Ratio		
											Soil PH		
											Soil OC (%)		
											Soil EC (dS/m)		
											Available N (Kg/ha)		
											Available P (Kg/ha)		
											Available K (Kg/ha)		
											Soil Microbes (cfu)		
											Any other, specify		
Feedback of farmer:													

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing								After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Paddy	6.8	0.40	0.56	377.3	19.8	206.9	-	6.9	0.38	0.52	353.4	20.1	214.3	-	

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	**Paddy**	**5.8**	**0.9**	**0.43**	**478.7**	**20.5**	**242.1**	**-**	**5.9**	**0.63**	**0.42**	**413.1**	**18.5**	**207.1**	**-**

Soil Parameter for Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Non- Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Financial information: NIL

Budget Expenditure (Rs. in Rs)				
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training				
Awareness Programme				
Demonstration				
Miscellaneous				
Total				

Glimpses of various Activities (Good Quality Action Photographs)				
Name of activity	1	2	2	4
Training programmes				
Awareness programmes				
Demonstrations (KVK/Farmer filed)				
Any other activities				

11.7 CRA (Climate Resilient Agriculture)

Technology demonstrated/ interventions	Cropping system	Farming System crop under demonstration			Area under Demonstration (in acre)			No. of farmers under demonstration			Category				Crop Yield (q/ha)			System productivity (q/ha)	Total return (Rs./ha)	Yield obtained under Farmer Practices (q/ha)	Exposure visit (no.)	Number of farmers under exposure
		Kharif	Rabi	Summer	Kharif	Rabi	Summer	Male	Female	Total	SC	ST	OBC	Gen	Kharif	Rabi	Summer					
Direct Seeded Rice,	Rice-Wheat-Greengr	Rice	Wheat	Greengram	50	400	260	420	344	764	144	0	250	370	46.8	42.60	7.7	97.1	173606	89.4	04	211

Zero Tillage, Zero Tillage	am																				
Alternative Wet & Dry, Happy Seeder, Zero Tillage	Rice-Wheat-Greengram	Rice	Wheat	Greengram	95	30	260	280	140	420	65	0	150	205	44.4	43.80	7.5	95.7	169080	87.5		
WH&FB, INM, Zero Tillage	Rice-Wheat-Greengram	Rice	Wheat	Greengram	40	80	260	290	130	420	70	0	160	190	46.6	44.60	7.6	98.8	176828	91.1		
Zero Tillage, Raised bed, Zero Tillage	Rice-Maize-Greengram	Rice	Maize	Greengram	50	5	260	210	148	358	52	0	123	183	46.8	90.30	7.5	144.6	266973	121.8		
Zero Tillage, Zero Tillage, Zero Tillage	Rice-Chickpea-Greengram	Rice	Chickpea	Greengram	50	25	260	235	139	374	58	0	145	171	46.8	16.40	7.4	70.6	173403	63.4		
Raised bed, Zero Tillage, Zero Tillage	Maize-Lentil-Greengram	Maize	Lentil	Greengram	70	50	260	245	190	435	68	0	173	194	53.3	17.70	7.9	78.9	204803	71.9		
Zero Tillage, Zero Tillage, Zero Tillage	Millet-Mustard-Greengram	Millet	Mustard	Greengram	65	10	260	185	179	364	54	0	142	168	10.4	12.60	8.2	31.2	119998	23.7		
Zero Tillage, Raised bed, Zero Tillage	Rice-Potato-Greengram	Rice	Potato	Greengram	50	3	260	192	165	357	51	0	136	170	46.8	195.00	8.1	249.9	284664	210.4		
Raised bed, Zero Tillage	Arhar-Greengram	Arhar	-	Greengram	50	0	260	190	170	360	54	0	140	165	19.8	0.00	8	27.8	159746	19.8		
Zero Tillage, Zero Tillage, Zero Tillage	Rice-lentil-Greengram	Rice	Lentil	Greengram	50	50	260	254	149	403	62	0	164	177	46.8	17.7	8.1	72.6	205387	63.6		

11.8 District Agro Meteorological Unit (DAMU): NA

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

11.9 KSHAMTA: NA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre	KVK, Jehanabad
2	No. of Agri Drones Sanctioned	01
3	Amount sanctioned for Agri Drone Purchase (Rs)	10,00,000
4	No. of Agri Drones Purchased by the PIC	01
5	Purchased cost of each Agri Drone (Rs.)	9,75,000
6	Company and Model of Purchased Agri Drone	Iotech World Aviation (Agribote)
7	Name of Agri Drone Pilot and contact No	Er. Jeetendra Kumar-9472362336 Dr. Wajid Hasan-7677466479
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	250
9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	7,50,000
10	No. of Agri Drone Demonstration organized (ha) upto15.06.2024	250
11	Amount utilised for Agri Drone Demonstrations (Rs.)15.06.2024	7,50,000
12	Date and Place of Agri Drone Demonstration organised	Feb-March 2023 (Bijlipur, Tulsipur, Jaikisunbigha, Gangapur and Sahpur)
13	Operation carried out (Pesticide/Weedicide/Nutrient	Nano Urea

	application) in demonstration organised	
14	Number of farmers participated during demonstration	367
15	Advantages of using Agri Drones as observed during the demonstrations	Time and Labour saving with high application efficiency, uniform spray, Protection from health hazard

Details of Demonstrations under Agri-drone Project

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on insecticide spray							
Demos on weedicide spray							
Demos on nutrient spray	Jehanabad	October	Naushera chak	Rice	34	13.6	39
		March	Chappanna	Wheat	40	16.0	42

11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component. : NA

Varieties used	**Situations (Irrigated/ Rainfed)**	**Varieties used in FP**	**Yield (Kg/ha)**		**YIOFP (%)**	**COC (Rs./ha)**		**GMR (Rs./ha)**		**ANMR (Rs./ha)**	**B:C ratio GMR/CoC**	
			IP	**FP**		**IP**	**FP**	**IP**	**FP**		**IP**	**FP**

S.No	**Item /Activity**	**Units**	**Quantity**	**No of beneficiaries**
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.		
2	Frontline demonstration (FLDs) and other demonstrations			
2.1	Area under FLDs	Hectare		
3	Awareness camps, exposure visit etc	No.		
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg		
4.2	Small equipment's (Upto ₹ 2000)	No.		
4.3	Large equipment's (more than ₹2000)	Nos.		
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg		
4.5	Plant Protection chemicals	Lit.		
5	Distribution of Literature	No.		
6	Kisan Mela	No.		
7	Any other (specify)	No.		
8	**Total Budget Utilized**	**Rs**		

12. OTHER INFROMATION

12.1 Integrated Farming System (IFS): NIL

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1							
2							

b. Activities under IFS

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								

12.2 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

12.3 . PPV & FRA Programme

Date of training/awareness programme	Venue	Resource Person	No. of participants

Details of plant varieties registered

Name of crop Registered	Year of registration	Registration number	Farmer name and details	Adress of the farmers

12.4 . a. Observation of Swachhta hi Sewa (2nd -31st Oct 2024)

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
October 2024	1. Oath taken by KVK, Staffs 2. Cleaning of office corridor & premises, Cleaning & maintenance of stock office 3. Swachta awareness programme about crop residue management 4. Sanitation and SWM, Cleanliness and sanitation drive with campuses and surrounding including residential colonies, farm and demonstration units 5. Use of compost, home waste material and promoted clean and green technologies including organic farming in kitchen garden established in residential area of KVK Farm 6. Campaign on recycling of waste water, water harvesting for agriculture 7. Cleaning drive in office premises 8. Kisan Day celebration 9. Swachhata awareness at village level 10. Celebration of Hon'ble Vajpaiji Birthday and Awareness camp on cleanliness 11. Organise quiz competition on cleanliness 12. Awareness on waste management and utilization of organic waste 13. Campaign on cleaning of sewerage and water lines, Application of home waste in kitchen garden 14. Creating awareness among the farmers for safe disposal of bio-degradable and non bio-degradable waste 15. Awareness camp on cleanliness 16. Awareness camp on cleanliness and plantation at KVK campus	11	320	0	320

b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2024)

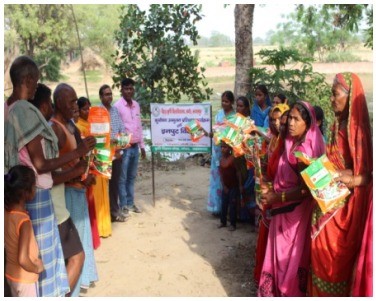
Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15 Dec -31st Dec 2024	13	11	225	7	232

c. Details of total budget expenditure on Swachh activities including SAP

S.No	**Activities**	**No of village covered**	**Total Expenditure (Rs.in Lakhs)**
1.	Vermicomposting	**Provided Vermi Bed to the farmers**	**40000**
S.No	**Activities**	**Name of activities conducted**	
1.	Activities under Swachata Other than vermicomposting	1. Oath taken by KVK, Staffs 2. Cleaning of office corridor & premises, Cleaning & maintenance of stock office 3. Swachta awareness programme about crop residue management 4. Sanitation and SWM, Cleanliness and sanitation drive with campuses and surrounding including residential colonies, farm and demonstration units 5. Use of compost, home waste material and promoted clean and green technologies including organic farming in kitchen garden established in residential area of KVK Farm 6. Campaign on recycling of waste water, water harvesting for agriculture 7. Cleaning drive in office premises 8. Kisan Day celebration	

		9. Swachhata awareness at village level 10. Celebration of Hon'ble Vajpaiji Birthday and Awareness camp on cleanliness 11. Organise quiz competition on cleanliness 12. Awareness on waste management and utilization of organic waste 13. Campaign on cleaning of sewerage and water lines, Application of home waste in kitchen garden 14. Creating awareness among the farmers for safe disposal of bio-degradable and non bio-degradable waste 15. Awareness camp on cleanliness Awareness camp on cleanliness and plantation at KVK campus	

Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year

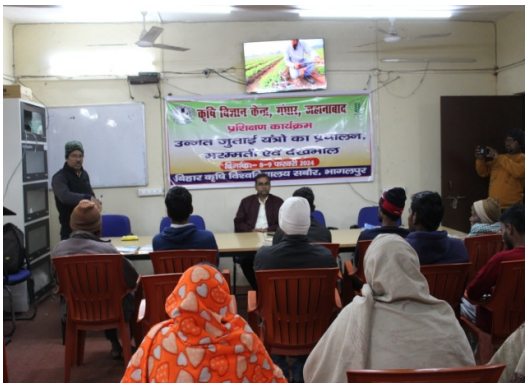


Training programme on Mal nutrition

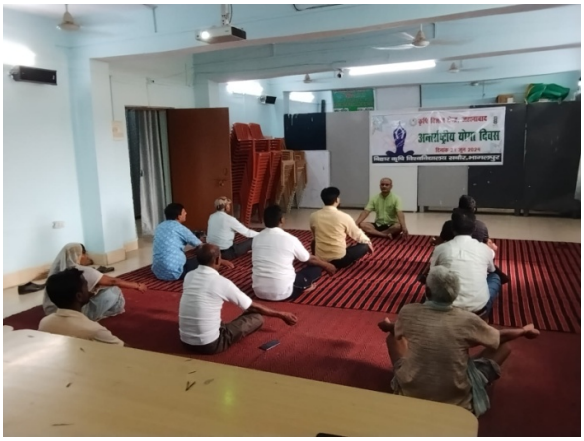
Swachhta Programme

Distribution of Vermi Bed

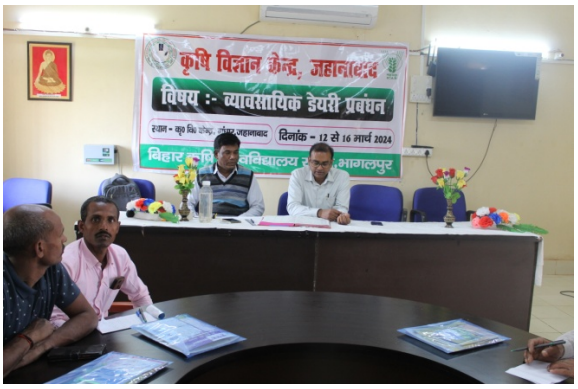
CRA crop cutting



Training on Farm machineries



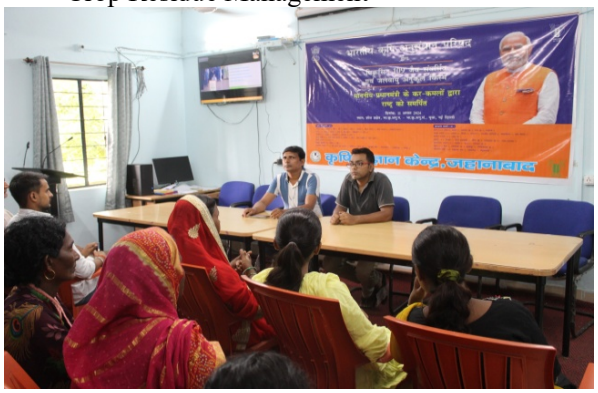
International Yoga Day



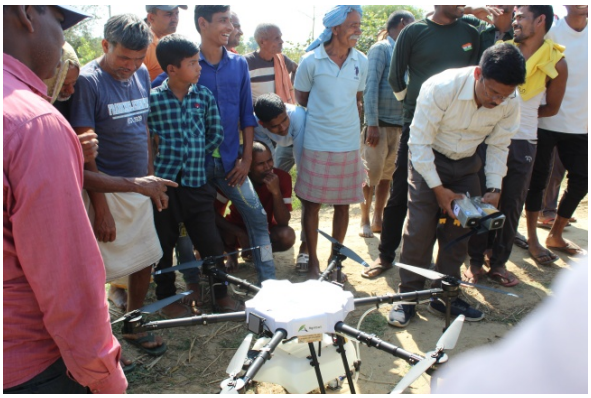
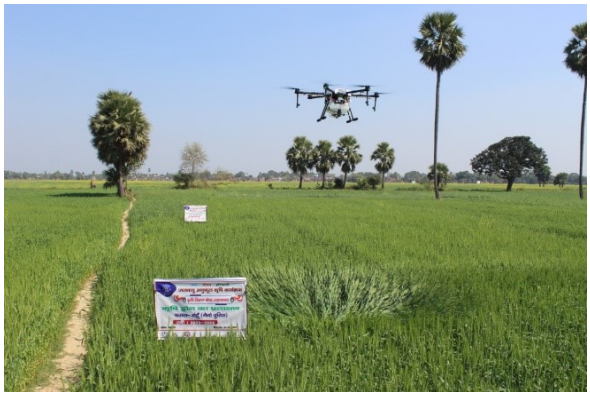
Vocational training on Commercial Dairy farming

Crop Residue Management

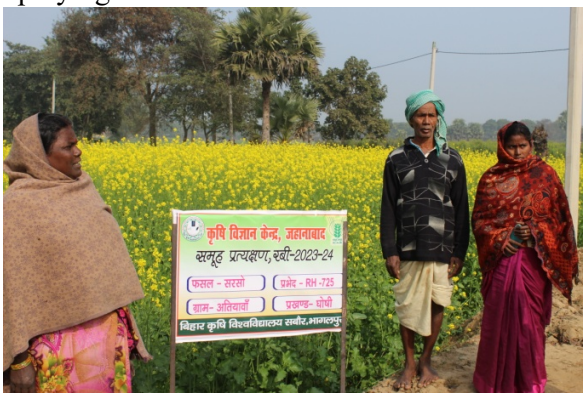
Swachhta Programme



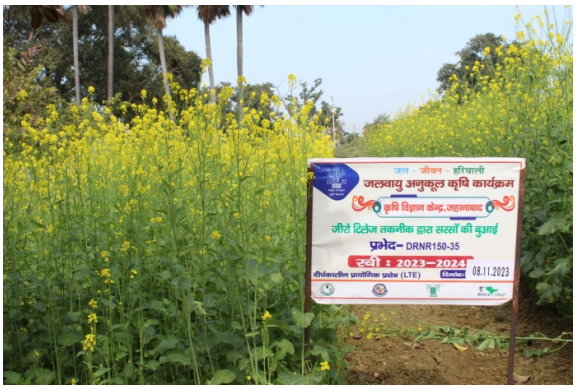
PM Samman Nidhi programme

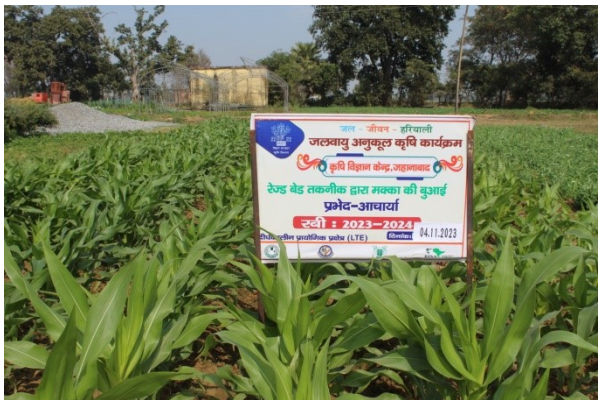
Use of Drone for spraying of Nano urea



CFLD on Oilseed var. Mustard



Mustard sown by ZT machine



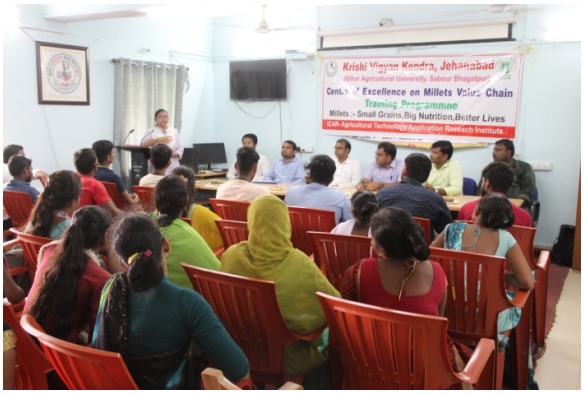
Maize sown by Raised Bed method

Potato sown by Raised Bed method

Lentil sown by ZT method

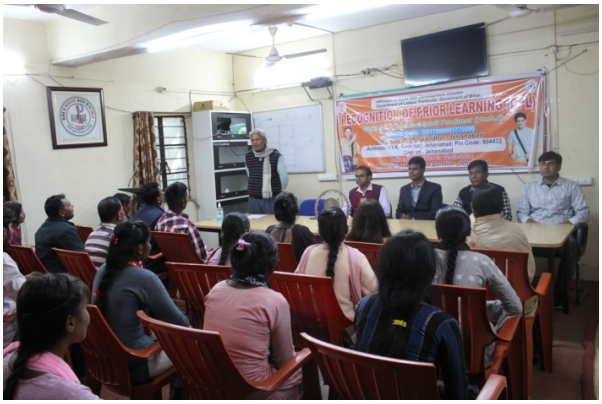
Chickpea sown by ZT method

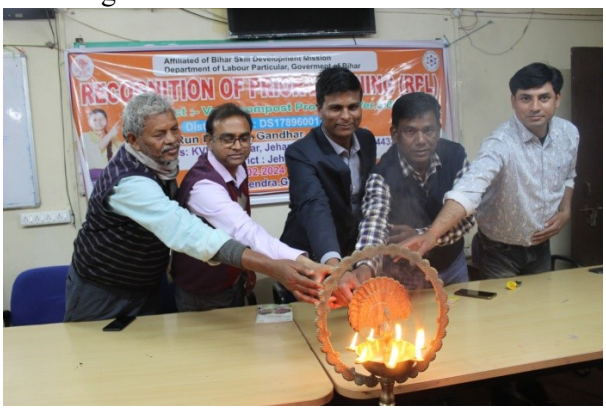
Wheat sown by ZT method



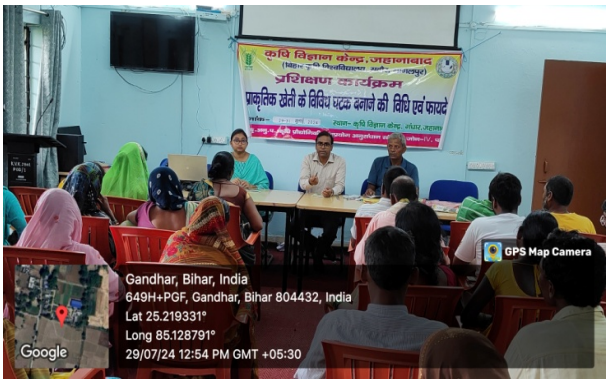
Training cum exposure visit of Centre for Excellence of Millets

FPO Meeting

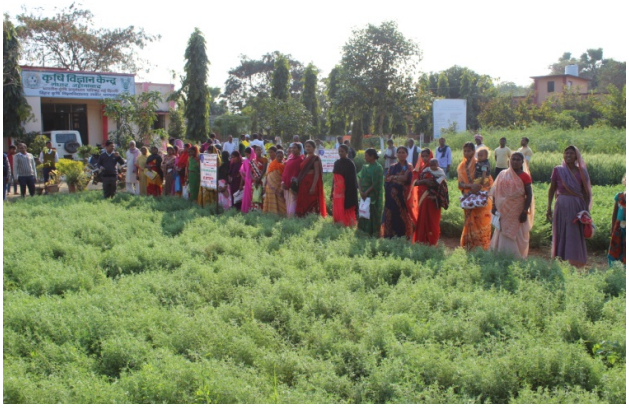




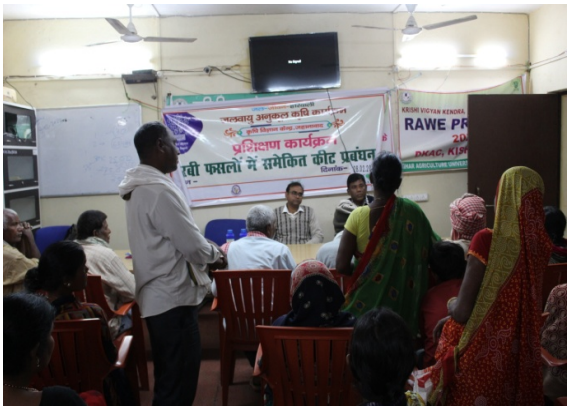
Exposure visit of Incharge, Kako Jail



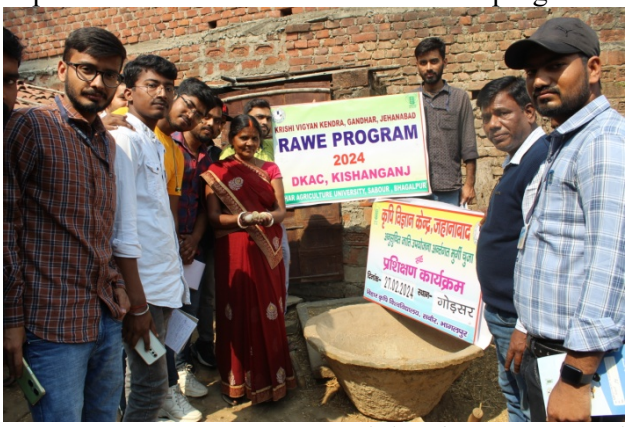
Training programme on Natural farming



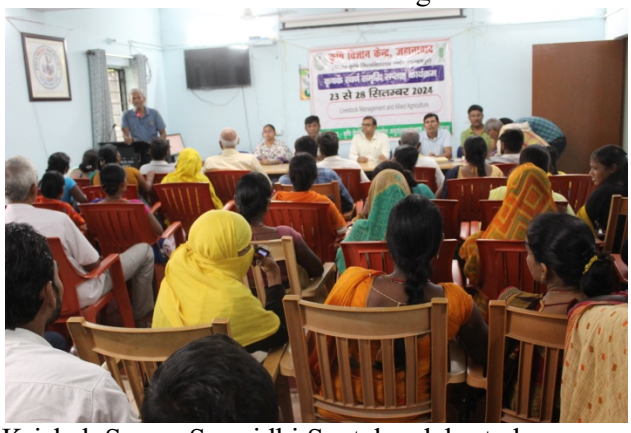
Exposure visit at KVK farm under CRA programme



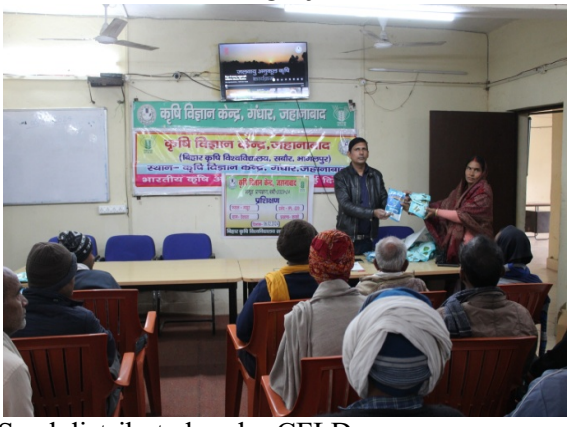
Training programme on IPM



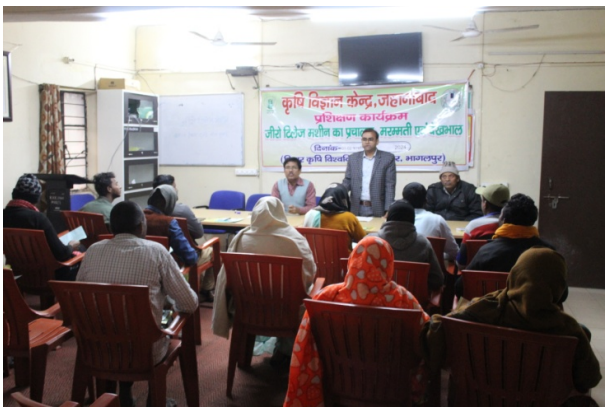
Training for RAWE student from DKAC, Kisanganj



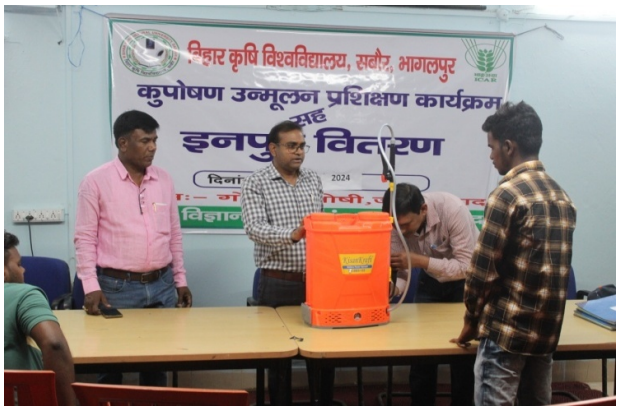
Krishak Swarn Samridhi Saptak celebrated



Seed distributed under CFLD programme

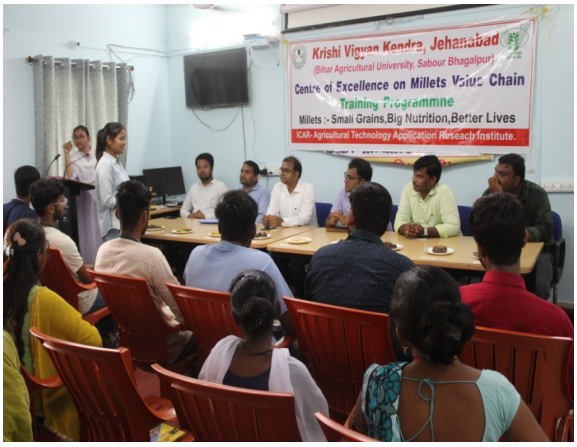


Training programme on Repair & maintenance of Farm machineries



Input distribution

Awareness programme



Training on Centre of excellence on Millets value chain

Seed production programme at KVK Farm

Exposure visit of EF

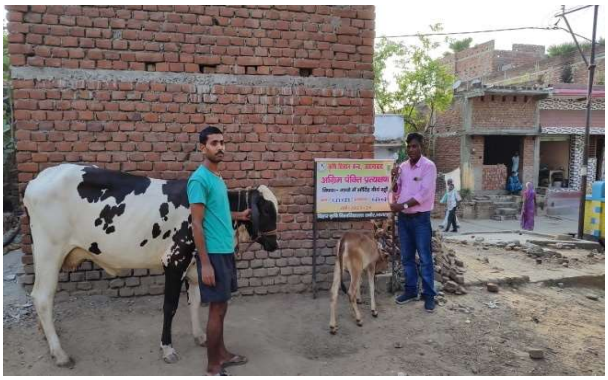
Use of Fertilizer broadcaster machine

Kadaknath Poultry farming

Sheath blight management in paddy

Automatic water drinker bowl

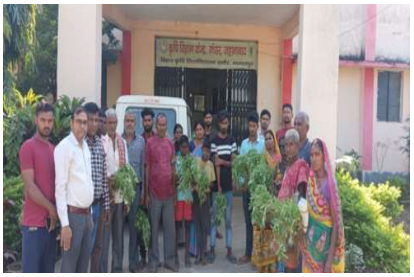
Backyard Poultry Farming



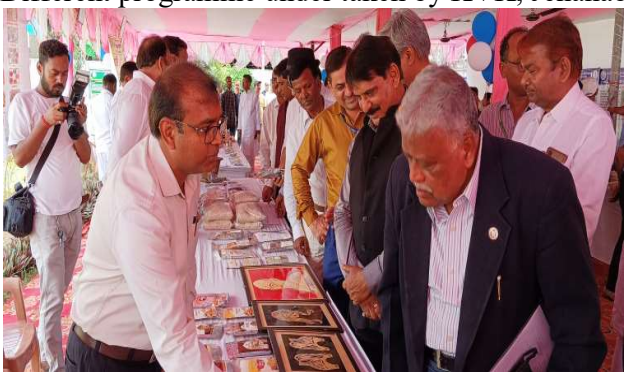
Female calf production Sex Sorted semen

Microbial based Agricultural Waste Management using Vermicomposting



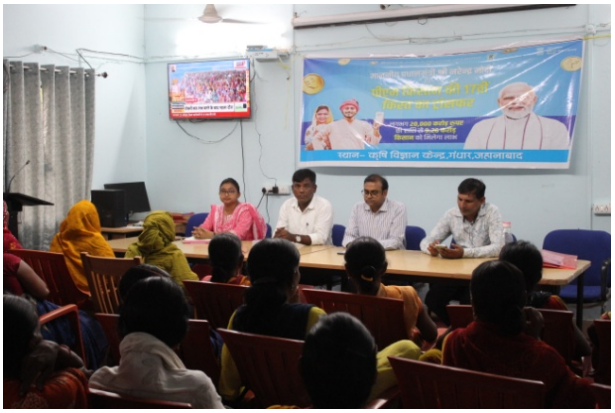



Different programme under taken by KVK, Jehanabad under Eradication of Mal-nutrtion programme

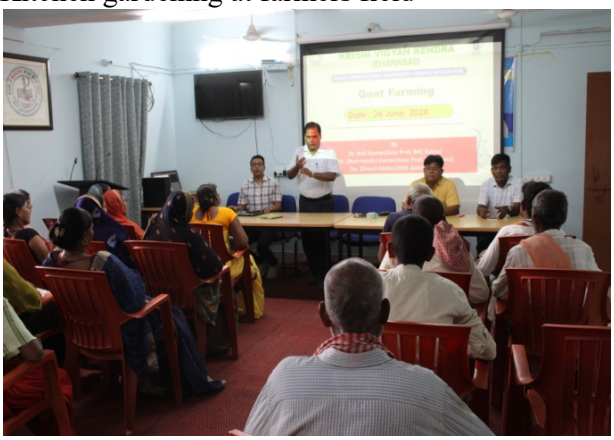



Flagship programme

Kitchen gardening at farmers field

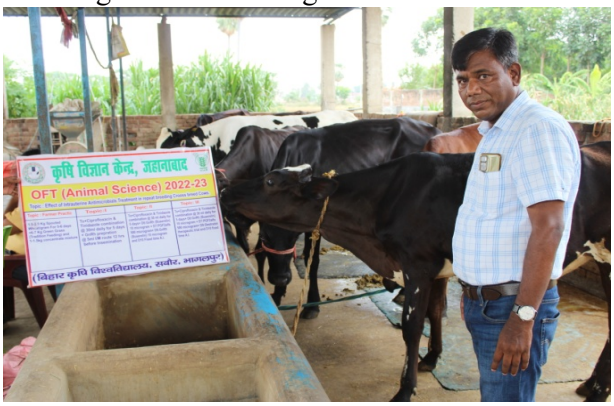


PM Kisan Samman nidhi programme

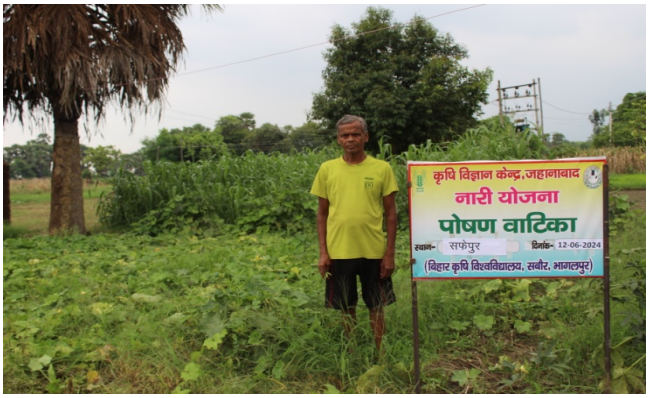


Training on Goat farming

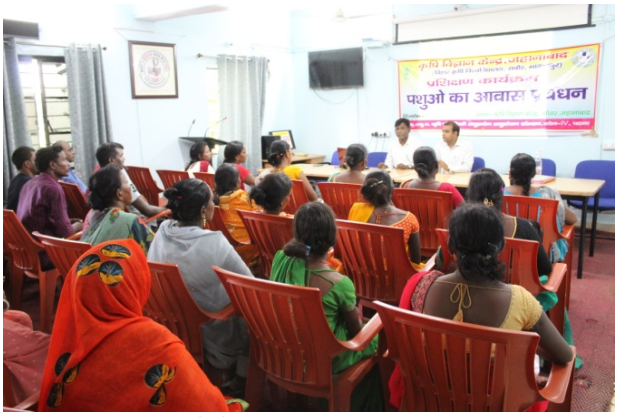
Krishi Vahan at KVK, Jehanabad



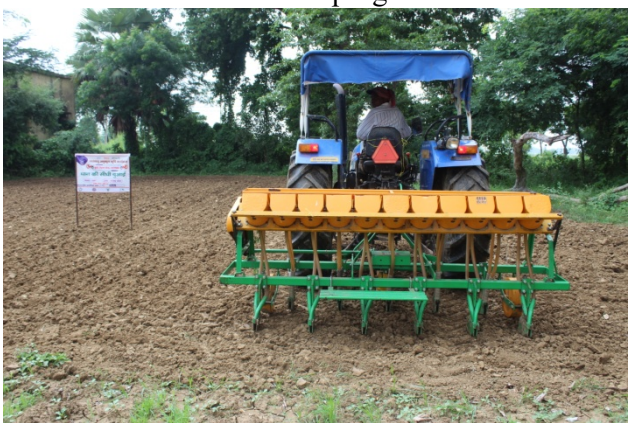
OFT Animal Sc



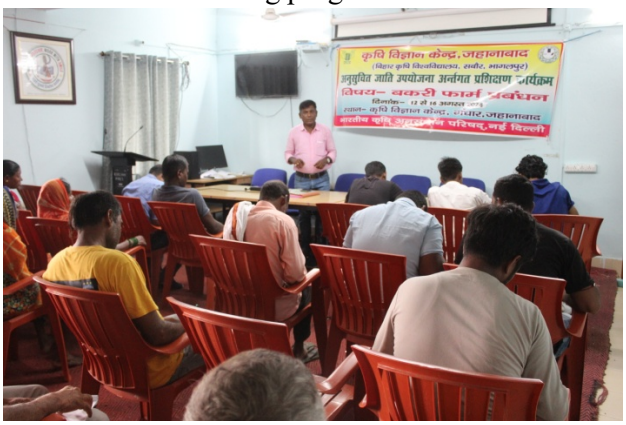
Poshan vatika under NARI programme



Training programme

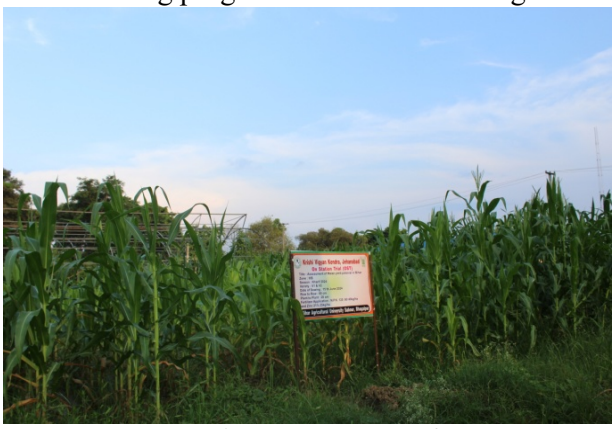


Wheat sown by ZT method



Training programme on Goat farming

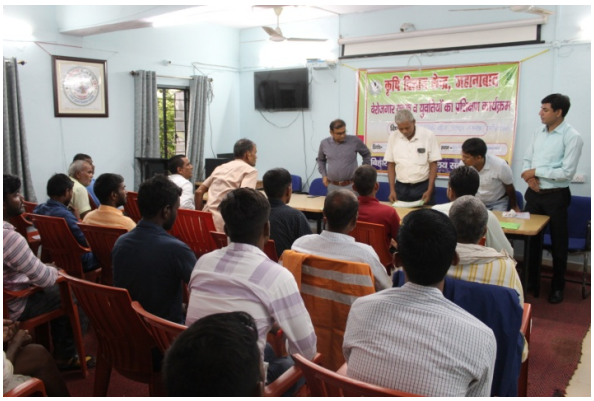
Vriksha ropan programme



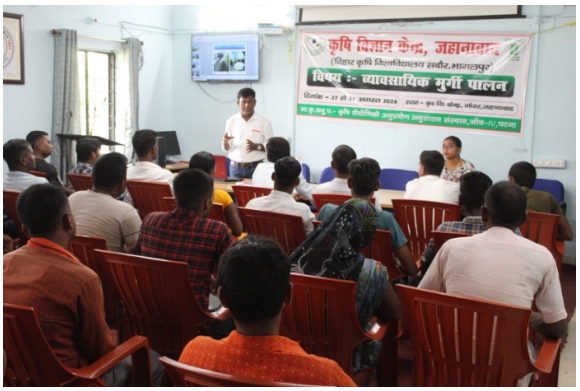
OST on Maize crop at KVK farm

FPO meet

gajar Ghans unmulan karyakaram



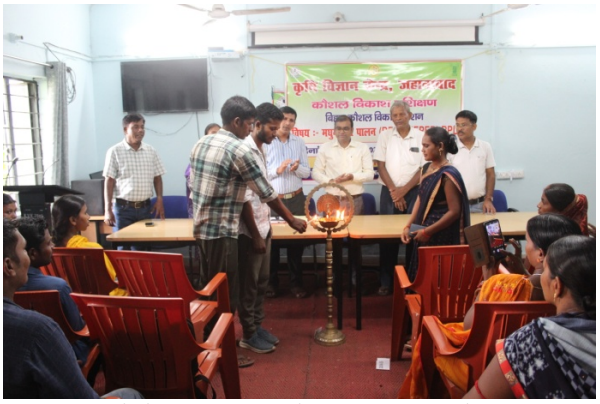
RY vocational training



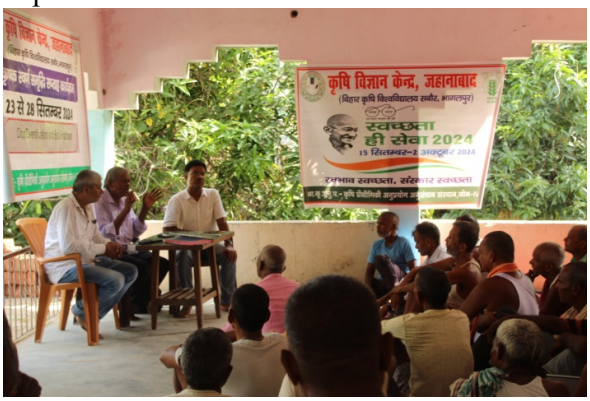
RY Vocational training

National nutritional week celebration

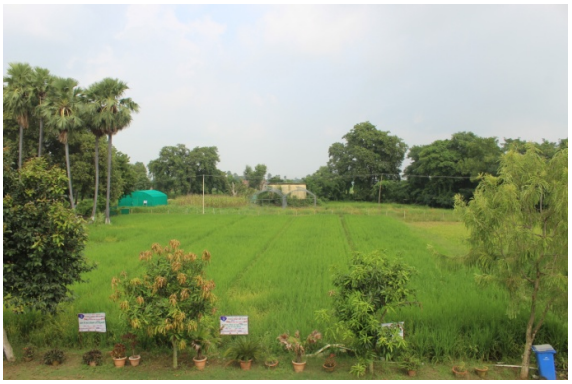
Exposure visit of EF



RPL training on Vermicompost Producer

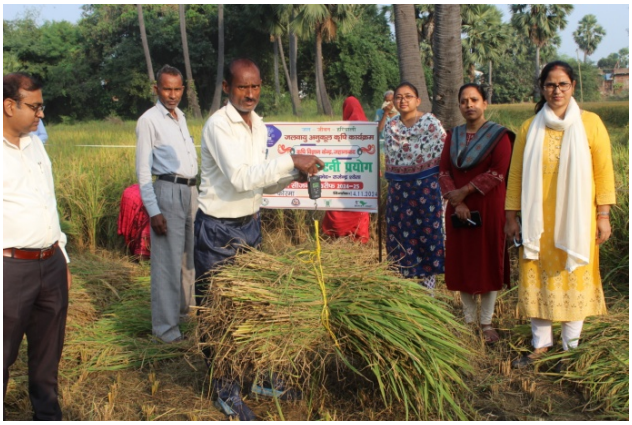


Swachhta hi sewa programme at village

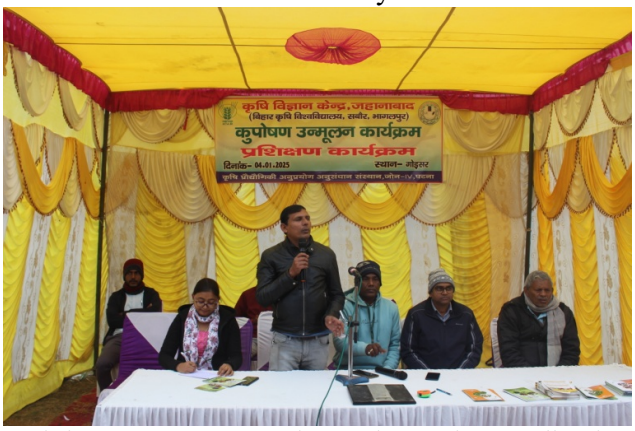


Crop sown (LTE) at KVK farm

Exhibition under Jal Jivan Hariyali



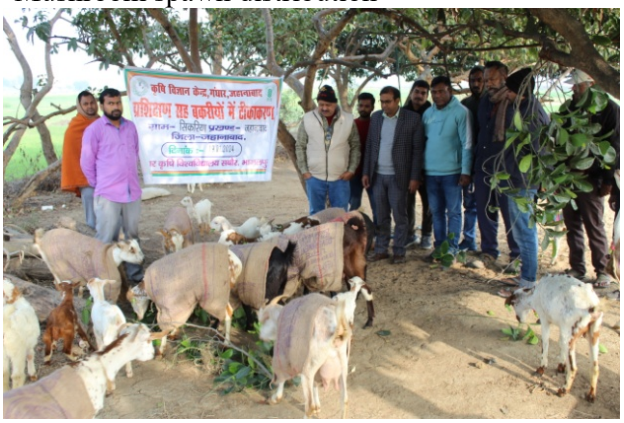
Fasal Katni at farmers field



Training programme under Mal Nutrtion eradication

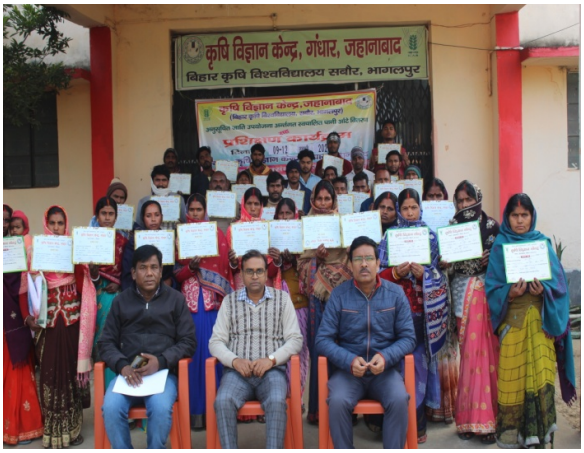
Mushroom spawn distribution

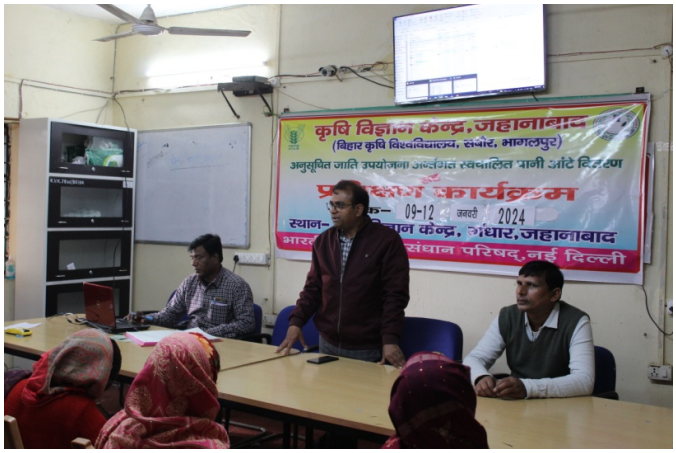
Production of vegetable (Poshan vatika)



Vaccination

SAC meeting


कृषि विज्ञान केन्द्र, गंधार, जहानाबाद
बिहार कृषि विश्वविद्यालय सबौर, भागलपुर


कृषि विज्ञान केन्द्र,जहानाबाद
(बिहार कृषि विश्वविद्यालय, सबौर, भागलपुर)
09-12
2024
संधान परिषद,नई दिल्ली

***