

PROFORMA FOR ANNUAL REPORT 2021(1st January-31st December 2021)

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	
Krishi Vigyan Kendra, Madhepura Opposite of Jai Bajrang Fuels NH 107 purnea Saharsa Road – Madhepura - 852113	9430943067	-	Madhepura.kvk@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)			

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Bipul Kumar Mandal	7870943067	9430943067	Madhepura.kvk@gmail.com

1.4. Year of sanction of KVK: ICAR, Letter No.-6-2/97-ARI dated-10-01-2003

1.5. Staff Position (as on 31st December 2021)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1.	Senior Scientist& Head	Dr. Bipul Kumar Mandal	Senior Scientist& Head	Horticulture	37400-67000 (9000)	24.07.2019	Permanent	OBC
2.	Subject Matter Specialist	Dr. Mithilesh Kumar Roy	SMS (Agronomy)	Agronomy	15600- 39100(6000)	28/11/2007	Permanent	OBC
3.	Subject Matter Specialist	Dr. Ram Prakash Sharma	SMS (Entomology)	Entomology	15600- 39100(6000)	30/11/2007	Permanent	OBC
4.	Subject Matter Specialist	Dr. Sunil Kumar	SMS (Animal Sc.)	Animal Science	15600- 39100(5400)	16/04/2012	Permanent	OBC
5.	Subject Matter Specialist	Sri Rahul Kmar Verma	SMS (Horticulture)	Horticulture	15600- 39100(5400)	30/09/2014	Permanent	OBC
6.	Subject Matter Specialist	-	-	-	-	-	-	-
7.	Subject Matter Specialist	-	-	-	-	-	-	-
8.	Programme Assistant	Smt. Rubi Kumari	Programme Assistant (Lab Tech)	Lab Technician	9300-34800(4200)	29/10/2012	Permanent	OBC
9.	Computer Programmer	Smt. Neha Kumari	Programme Assistant (Computer)	Computer	9300-34800(4200)	14/05/2013	Permanent	OBC
10.	Farm Manager	Sri Mritunjay Kumar	Farm Manager	Management	9300-34800(4200)	08/11/2012	Permanent	OBC
11.	Accountant / Superintendent	Sri Ratan Kumar	Assistant		9300-34800(4200)	12/04/2013	Permanent	OBC
12.	Stenographer	Sri Bikas Kumar	Stenographer		5200-20200(2400)	26/06/2013	Permanent	OBC
13.	Driver	Sri Santosh Kumar Diwana	Driver		5200-20200(2000)	18/05/2015	Permanent	OBC
14.	Driver	Sri Sanjay Kumar	Driver		5200-20200(2000)	10/06/2015	Permanent	OBC
15.	Supporting staff	UmeshMandal	Supporting Staff	Contractual	6000 (FIXED)	04/04/2009	Temporary	OBC
16.	Supporting staff	VidyanandYadav	Supporting Staff	Contractual	6000 (FIXED)	04/04/2009	Temporary	OBC

1.6. Total land with KVK (in ha):

S. N.	Item	Area (ha)
1	Under Buildings	01.50
2.	Under Demonstration Units	00.30
3.	Under Crops	10.70
4.	Orchard/Agro-forestry	02.00
5.	Others with details	05.50
	Total	20.00

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. N.	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	Not yet started							
2.	Farmers Hostel					Totally completed	-	In use	RAU Pusa
3.	Staff Quarters (6)	PC Quarter – 01, SMS quarter – 02, Supporting quarter – 02 (completed)					-	In use	
4.	Piggery unit	Not yet started	-	-	-	-	-	-	
5	Fencing	Not yet started							
6	Rain Water harvesting structure	Not yet started							
7	Threshing floor					Totally completed	-	In Use	RAU Pusa
8	Farm godown					Totally completed	-	In Use	RAU Pusa
9.	Dairy unit					Totally completed	-	In Use	RAU Pusa
10.	Poultry unit	Not yet started							
11.	Goatry unit	Not yet started							

12.	Mushroom Lab	Not yet started							
13.	Mushroom production unit	Not yet started							
14.	Shade house					Totally completed	-	In Use	
15.	Soil test Lab					Totally completed	-	In Use	
16	Others, Please Specify					Totally completed	-	In Use	
a	Seed sale centre					Totally completed	-	In Use	
b	Generator cum store					Totally completed	-	In Use	
c	Threshing floor cum cover godown					Totally completed	-	In Use	
d	Vegetable Unit					Totally completed	-	In Use	
E	Oil distillation unit					Totally completed	-	In Use	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	6,74,300.00	18632	In Condition
Honda new (Bike)	2015	60,000.00		In Condition
Hero Pro (Bike)	2015	60,000.00		In Condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mini Soil Kit	2015	75,000	In condition	ICAR
b. Farm machinery				
Kirloskar pump set	31/03/2006	19500	In Condition	KVK Fund
Electric motor pump	31/03/2006	4250	In Condition	KVK Fund
Electric motor pump USHA 2HP	12/01/2012	9003=75	In Condition	KVK Fund
Zero till machine(1)	10/11/2006	-	Not in condition	RAU Pusa

Zero till machine(2)	15/11/2007	-	Not in condition	RAU Pusa
Zero till machine(1)	12/09/2012	47500	Not in condition	CIAE,Bhopal
Moisture meter(1)	20/03/2009	1200	In Condition	RAU,Pusa
Power sprayer with dusting attachment (1)	20/03/2009	6000	In Condition	KVK Fund
Sprayer (1)	31/01/2014	1500	In Condition	KVK Fund
Bag stitching machine	07/09/2009	5200	In Condition	KVK Fund(RF)
Mobile seed processing plant	26/10/2010	981760	Not working	DSF Dholi
Usha pump set	20/03/2012	32800	working	ATMA Fund
Electric motor pump	20/03/2012	11000	In condition	ATMA, Madhepura
Rocker sprayer	26/03/2012	4300	In condition	KVK Fund
Foot sprayer	26/03/2012	4300	In condition	KVK Fund
Honda generator set	25/09/2012	50000	In condition	KVK Fund
Brush cutter	02.07.2015	29,000	In condition	KVK RF Fund
Pumpset	2019			KVK RF Fund
Electric Motor	2019			KVK RF Fund
Thela	2019			KVK RF Fund
Happy seeder	2019			MBAC, Agwanpur
Chain Saw	2019			BSDM HEAD
Weed Cutter	2019			BSDM HEAD
Pressure washer	2019			BSDM HEAD
c.AV Aids				
Computer & its related equipments HPDX	28/03/2007	-	CPU not working	RAU, Pusa
Computer & its related equipments	31/12/2013	34800	In condition	KVK Fund
Fax Machine	28/03/2007	4232	Not Working	RAU,Pusa
Photocopier Machine	30/03/2010	60,031	Not Working	KVK Fund
Camera sony	2008	15,000	Good	
Laptop sony	31/03/2009	49,990	Good	KVK Fund
LCD Projector	31/03/2009	48,422	Good	KVK Fund
Projector Stand	31/03/2009	3500	In condition	KVK Fund
Printer	31/03/2009	5475	Good	KVK, Fund

Mike	24/03/2012	24877	working	KVK, Fund
Inverter	31/03/2013	7500	In condition	KVK Fund
Honda portable generator set	25.09.2012	50000	Good	KVK Fund
Fax Machine	28/03/2007	-	Not working	RAU, Pusa
Stabilizer	09/09/2009	4662	In condition	KVK Fund
Battery Exide	31/03/2013	33,834	In condition	KVK Fund
Dell Desktop	2016	61,00	In condition	KVK, Fund
Camera Nikon	04.03.2016	8,700	In condition	Cluster Demonstration
GPS	28.03.2016	17,747	In condition	Cluster demonstration
Computer	2019		In condition	KVK Head
Sony Buffer	2019		In condition	KVK Video Conf.

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor MF 1035	29/03/2005	334500	In Condition	RAU Pusa
Hood	29/03/2005	2900	In Condition	RAU Pusa
Hitch	29/03/2005	1500	In Condition	RAU Pusa
MF 14 Disc harrow	29/03/2005	25000	In Condition	RAU Pusa
MF Cultivator	29/03/2005	12100	In Condition	RAU Pusa
MF MB Plough	29/03/2005	25500	In Condition	RAU Pusa
Hydraulic trailer	29/03/2005	82000	In Condition	RAU Pusa
Cage wheel	29/03/2005	5900	In Condition	RAU Pusa
Bumper	29/03/2005	5200	In Condition	RAU Pusa
Kanta with woots	16/09/2006	4232=25	In Condition	KVK Fund (RF)
Land leveler	20/06/2009	9880	In Condition	KVK Fund (RF)
Dibbler Rottary	21/12/2010	2300	In Condition	KVK Fund
KVK Fund	21/12/2010	650	In Condition	KVK Fund
Weighing balance digital	10/01/2012	9450	In Condition	KVK Fund CNC(NR) PA
Weghing balance digital	10/01/2012	3150	In Condition	KVK Fund CNC(NR) PA
Weighing balance with stand			In Condition	KVK Fund CNC(NR) PA
Chain + baat	10/01/2012	7560	In Condition	KVK Fund CNC(NR) PA
Cultivator spring loaded	20/03/2012	15878	In Condition	KVK Fund CNC(NR) PA

Disc harrow mounted 12 disc	20/03/2012	26500	In Condition	KVK Fund CNC(NR) PA
Winower power operated	20/03/2012	16000	In Condition	KVK Fund CNC(NR) PA
Tractor driven	24/03/2012	57750	In Condition	KVK Fund CNC(NR) PA
Bund farmer(Disc model)	26/03/2012	16000	In Condition	KVK Fund CNC(NR) PA
Bed farmer shaper	26/03/2012	24000	In Condition	KVK Fund CNC(NR) PA
Disc Harrow 12 Disc	16/02/2012	-	In Condition	RKVY RAU, Pusa
Disc plough 3 disc	16/02/2012	-	In Condition	RKVY RAU, Pusa
Potato planter(Drollimoga)	13/12/2012	-	In Condition	RKVY RAU, Pusa
Rotavator 5 feet	18/12/2011	-	In Condition	RKVY RAU, Pusa
Rotavator 50 CAA	24/05/2012	59000	In Condition	RKVY RAU, Pusa
Post hole digger	05/04/2012	42748	In Condition	RKVY RAU, Pusa
Paddy seeder/conoweeder	24/08/2012	20320	In Condition	Dean Agril. ,Tamil Nadu
Raised bed planter seed drill	02/04/2013	45000	In Condition	Dean Agril. ,Tamil Nadu
Laser Land leveler	2021		In Condition	Under CRA
Raised Bed planter	2021		In Condition	Under CRA
Thresher	2021		In Condition	Under CRA
Portable Rice/Wheat Seeder	2021		In Condition	Under CRA
Self-propelled vertically reaper and conveyer	2021		In Condition	Under CRA
Multi crop planter	2021		In Condition	Under CRA
Rotary weeder	2021		In Condition	Under CRA
New Holland Tractor	2021		In Condition	Under CRA
Tractor trolley	2021		In Condition	Under CRA
Power sprayer	2021		In Condition	Under CRA

1.8. Details SAC meeting* conducted in the year

S. N.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	19.06.2021	30			Conducted

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

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2.a.District level data on agriculture, livestock and farming situation (2021)

S. N.	Items	Information			
1	Major Farming system/enterprise	Rice based Farming system, Paddy –wheat-moong, paddy-Maize-Jute, paddy-maize-summer vegetables, paddy-maize-summer moong			
2	Agro-climatic Zone	North East Alluvial Plain. The Climate of this district is sub-tropical can be classified as humid to sub humid.			
3	Agro ecological situation	Three type of topography occur in the district such as upland medium, low land and chaur. The soil of upland is generally loamy sand to sandy loam silt loam to silt clay loam soils occur in medium upland, low land and <i>chaur</i> .			
4	Soil type	Loamy sand to silty clay loam. The soil of this district can be placed under Recent Alluvium and light textured, non-calcareous, non-saline, medium to poor in fertility with low water holding capacity. The organic matter content of the soil varies from 0.2 to 0.8 percent. Nitrogen, phosphorus, potassium, sulphur, zinc Copper and boron are deficient.			
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Crop	Area (ha.)	Production (Qt)	Productivity (Qt.) /ha)
		Rice	69.27	169.57	2448

		Maize	43.85	269.85	61.54	
		Linseed	65	487.00	7.50	
		Sunflower	178	1780.00	10.00	
		Wheat	38.67	97.89	2531	
		Maize **	43.85	269.85	6154	
		Rice (Summer)	305	6954	22.80	
		Barley	37	231	5.76	
		Gram	438	2737	6.25	
		Pea	495	3093	6.25	
		Lentil	1857	11600	6.20	
		Rai	5000	37500	7.50	
		Linseed	1800	18000	10.00	
		Sunflower	245	1531	6.25	
		Summer moong	1361.38	64000	7.521	
		Pulses	21.60	13.00	602	
6	Mean yearly temperature, rainfall, humidity of the district	Weather Data (Non working condition)				
		Month	Rainfall(mm)	Temperature⁰C		Relative Humidity(%)
				Maximum	Minimum	Morning evening
		January'21				
		February'21				
		March'21				
		April'21				
		May'21				
		June'21	12.00			
		July'21	22.4			
		August'21	10.1			
		September'21	11.1			
		October'21	2.2			
		November'21				
		December'21				
		Source:- GOB				
7	Production of major livestock products like milk, egg, meat etc.	Category	Population	Production	Productivity	Category
		Cattle	2,47,439	-	-	Cattle
		Crossbred	6,568	NA	8 litre	Crossbred
		Indigenous	2,40,871	NA	1.5 litre	Indigenous

		Buffalo	1,22,266	NA	2.5 litre	Buffalo
		Sheep	1205	NA	NA	Sheep
		Crossbreed	-	-	-	Crossbreed
		Indigenous	-	-	-	Indigenous
		Goats	2,85,875	NA	0.5 litre	Goats
		Pigs	9115	NA	NA	Pigs
		Crossbred	67	NA	NA	Crossbred
		Indigenous	9048	NA	NA	Indigenous
		Rabbits	32	NA	NA	Rabbits
		Poultry	1,44,141	NA	NA	Poultry
		Hens	-	-	-	Hens
		Desi	-	-	-	Desi
		Improved	-	-	-	Improved
		Ducks	-	-	-	Ducks
Source :Animal husbandry Deptt., Madhepura, 2012						

2.b. Details of operational area / villages (2021)

S.N.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Madhepura	Gamhariya	Aurahi	Paddy, Wheat, Vegetable etc.	Sheath blight in Paddy	Training about disease of Paddy
2.	Madhepura	Madhepura	BalamGadhiya	Paddy, Wheat, Vegetable etc.	Sheath blight in Paddy& Imbalance use of Micronutrient in cob borers.	Training about disease of Paddy& FLD on Boron application in caulliflower
3.	Madhepura	Madhepura	Sripur	Paddy, Wheat, Vegetable etc.	Sheath blight in Paddy, No use of sulphur in onion	Training about disease of Paddy& OFT in sulphur application in onion
4	Madhepura	Singheshwar	Sukhasan	Paddy, Wheat, Vegetable etc.	Sheath blight in Paddy, No use of sulphur in onion	Training about disease of Paddy
5.	Madhepura	Murliganj	Baghinya	Paddy, Sunflower& vegetables etc.	Sheath blight in Paddy, No use of sulphur in onion	Training about disease of Paddy
6.	Madhepura	Murliganj	Rampur, Terasi	Sunflower, Paddy	BLB Rodent in nursery of sunflower	Training about disease of Paddy
7	Madhepura	Madhepura	Jiwachhpur	Paddy, Maize	Cob borer in Maize	OFT for cob borer

8.	Madhepura	Madhepura	Tulsibari	Paddy, Maize & vegetables	Cob borer in Maize, Imbalance use of Boron in cauliflower & no use of sulphur in onion	OFT for cob borer, OFT in sulphur application in onion
9.	Madhepura	Madhepura	Mathahi	Paddy, Maize	Cob borer in Maize	OFT for cob borer
10.	Gwalpara	Gwalpara	Reshna	Paddy, Maize, wheat	Sheath blight in Paddy & Cob borer in Maize	CFLD on Rye, Lentil & moong, CSISA trial
11.	Mulriganj	Mulriganj	Chamgarh	Paddy, Maize, wheat	Sheath blight in Paddy & Cob borer in Maize	CFLD on sunflower, Rye, Lentil & moong,
12.	Madhepura	Madhepura	Sakarpura	Paddy, wheat & vegetables	Less area under cultivation of oilseed & pulses	CFLD on Rye, Lentil & moong,
13.	Kumarkhand	Kumarkhand	Parmanandpur	Paddy, wheat & vegetables	Less area under cultivation of oilseed & pulses	CFLD on Rye, Lentil & moong,
14.	Kumarkhand	Kumarkhand	Mangarwara	Paddy, wheat & vegetables	Less area under cultivation of oilseed & pulses, no use of sulphur in onion	CFLD on Rye, Lentil & moong, OFT in sulphur application in onion
15.	Ghailadh	Ghailadh	Bhantekthi	Paddy & Maize	Less area under cultivation of oilseed & pulses	CFLD on Rye, Lentil & moong, CSISA trial
16.	Murliganj	Murliganj	Bhatkhora	Paddy, Maize, wheat	Less area under cultivation of oilseed & pulses	CFLD on Rye, Lentil & moong, CSISA trial
17.	Gwalpara	Gwalpara	Shahpur	Paddy, Maize & Vegetables	Less area under cultivation of oilseed , pulses & vegetable pea	CFLD on Rye, lentil & Moong & FLD on Vegetable pea
18.	Gwalpara	Gwalpara	Resana	Paddy, Maize & Vegetables	Traditional method of cultivation	Zero tillage cultivation of Paddy & wheat
19	Sadhua	Madhepura	Sadhua	Chili, Cauliflower, Brinjal, Tricontanole, NAA, ZnSO ₄ , Borax, Bottlegourd, Trichoderma viridae, Pseudomonas fluorescence, Mango, streptocycline	✓ Wilting in Brinjal & chilli ✓ Flower drop in chilli ✓ Alternate bearing in mango ✓ Micronutrient deficiency in cauliflower	FLD & OFT
20	Bandha	Kumarkhand	Bandha	Chili, Cauliflower, Brinjal, Tricontanole, NAA, ZnSO ₄ , Borax, Bottlegourd, Trichoderma viridae, Pseudomonas fluorescence, Mango, streptocycline	✓ Wilting in Brinjal & chilli ✓ Flower drop in chilli ✓ Alternate bearing in mango ✓ Micronutrient deficiency in cauliflower	FLD & OFT

21	Singiyan	Murliganj	Singiyan	Chili, Cauliflower, Brinjal, Tricontanole, NAA, ZnSO ₄ , Borax, Bottlegourd, Trichoderma viridae, Pseudomonas fluorescence, Mango, streptocycline	✓ Wilting in Brinjal & chilli ✓ Flower drop in chilli ✓ Alternate bearing in mango ✓ Micronutrient deficiency in cauliflower	FLD & OFT
22	Dhurgaon		Dhurgaon	Chili, Cauliflower, Brinjal, Tricontanole, NAA, ZnSO ₄ , Borax, Bottlegourd, Trichoderma viridae, Pseudomonas fluorescence, Mango, streptocycline	✓ Wilting in Brinjal & chilli ✓ Flower drop in chilli ✓ Alternate bearing in mango ✓ Micronutrient deficiency in cauliflower	FLD & OFT
23	Jhitkiya	Gwalpara	Jhitkiya	Paddy, Wheat,Potato,Maize	Sheath blight in Paddy ,Cob borer in Maize	Demonstration & trials under CSISA & CRAP Projects
24	Jayram parsi	Gwalpara	Jayram parsi	Paddy, Wheat,Potato,Maize	Sheath blight in Paddy ,Cob borer in Maize	Demonstration & trials under CSISA & CRAP Projects
25	Kolotaha	Gwalpara	Kolotaha	Paddy, Wheat,Potato,Maize	Sheath blight in Paddy ,Cob borer in Maize	Demonstration & trials under CSISA & CRAP Projects
26	Bishanpur Arar	Gwalpara	Bishanpur Arar	Paddy, Wheat,Potato,Maize	Sheath blight in Paddy ,Cob borer in Maize	Demonstration & trials under CSISA & CRAP Projects
27	Behri	Singheshwar	Behri	Paddy, Wheat,Potato,Maize	Sheath blight in Paddy ,Cob borer in Maize	Demonstration & trials under CSISA & CRAP Projects

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2021) for its development and action plan

Name of village	Block	Action taken for development
Aurahi, Sukhasan,Sripur, Balamgadhia, Resana	Gamhariya	Conducting OFT, FLD, CFLD, Kisan Choupal, Training and Other Extension Activity

2.1 Priority thrust areas

S. N.	Thrust area
1.	Promotion of organic vegetable cultivation.
2.	Promotion and area expansion through chain system of Aromatic & medicinal crops
3.	Promotion of plant Growth Regulator in yield of increment in cucurbits, solanaceous & cole crops.
4.	Popularization of Drum stick.
5.	Promotion of high value low volume crops (Broccoli, capsicum, Red cabbage) & season vegetables.
6.	Promotion of Integrated Pest Management.
7.	Ensuring safe, judicious and quality pesticides for sustaining crop production from pests & disease.
8.	Promotion of bio-pesticide to minimize application of chemical pesticides.
9.	Popularization of seed treatment.
10.	Promotion of non-chemical method of insect pest management like use of pheromone trap.
11.	Breed up gradation of cattle poultry Duck piglets and goats.
12.	To provide veterinary services for proper preventive and creative measure for disease of livestock and birds.
13.	Need base Training programme to skill up gradation for livestock farmers and Technical personal of the department.
14.	Adoption of appropriate breeding policy for increasing productivity of local low yielding livestock and birds.
15.	Promotion & area expansion of Climate Resilient varieties & intervention
16.	Awareness on Nano urea application in crops
17.	Promotion & Emphasis on natural Farming
18.	Integrated weed management in crops

3. TECHNICAL ACHIEVEMENTS

3. A. Summary details of target and achievement of mandatory activities by KVK during the year 2021

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		Other s		Total	
			M	F	M	F	M	F	M	F				T	M	F	M	F	M	F	M
08	09	40	54								08	10	80	177							

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

126	159	3098	3601	232	2203	14600	21665
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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

Seed production (q)				Planting material (in Lakh)					
Target		Achievement		Target		Achievement			
Paddy Kharif 2021		Kharif – 391 q		Seedling-100000		Cauliflower – 2500		Mango – 3600	
Wheat Rabi 2021-22		Rabi – 149 q		Mango – 500		Cabbage – 3000		Jackfruit – 25	
				Guava – 50		Brinjal – 1000		Dragon Fruit - 200	
				Litchi - 50		Brocoli - 3000			
						Capsicum – 500			

Livestock strains and fish fingerlings produced (in lakh)*				Soil, water, plant, manures samples tested (in lakh)			
Target		Achievement		Target		Achievement	
Fish Pond – 0.10		Fish Pond – 0.10		600		272	

* Give no. only in case of fish fingerlings

NOT APPLICABLE

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	02	Many	2021;10(4):453-457 & 2021;SP-10(4):92-94	-	-	-	-

Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	02	Many	खण्ड 1 अंक 1 अक्टूबर 21	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	35	Many	-	-	-	-	-
Popular Articles	03	Many	Krishi Lok : 2583-0937	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	20	-	-	-	-	-	-
Technical reports	20	-	-	-	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	82	Many	-	-	-	-	-

3.1.1 Achievements on technologies assessed and refined

OFT-1 (Agronomy)

1	Title of On farm Trial	Assessment of different weedicide in transplanted Paddy
2	Problem diagnosed	Heavy weed infestation of mixed flora while <i>Cyperus rotundus</i> and <i>Physalis minima</i> is serious problem in rice causing reduction in yield.
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice: Pretilachlor 50 EC@1.5 kg ai./ha as PE at 0-3 DAT. T.O-I: Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE at 0-3 DAT T.O-II: Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE fb Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-30 DAT T.O -III: Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-25 DAT
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CSISA –CIMMYT
5	Production system and thematic area	Small production system & Weed Management
6	Performance of the Technology with performance indicators	i. Yield attributing character ii. Yield & economics paddy

7	Final recommendation for micro level situation	Application of Pyrazosulfuron Ethyl 10% WP @ 20 g.ai/ha as PE fb Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-30 DAT was found effective to control all type of weeds resulting highest yield can be recommended on first year trial basis.
8	Constraints identified and feedback for research	Not only Pyrazosulfuron Ethyl 10% WP @ 20 g.ai/ha as PE fb Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-30 DAT but also Pyrazosulfuron Ethyl 10% WP @ 20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-25 DAT was found effective to control all types of weeds at critical stages.
9	Process of farmers participation and their reaction	i. Identification & Periodization of problem by farmers ii. Open ended questions iii. Field visit

Thematic area: Weed Management

Problem definition: Heavy weed infestation of mixed flora while *Cyperus rotundus* and *Physalis minima* is serious problem in rice causing reduction in yield.

Technology assessed: **Assessment of different weedicide in transplanted Paddy**

Table : Yield attributing characters & yield of paddy influenced by weedicide.

Technology Options	No. of trials	Parameters				
		No. of effective tillers/m ²	Panicle length (cm)	No. of grain/ Panicle	Test wt. of 1000 Grain(gm)	Plant ht.(cm)
Farmers practice : Pretilachlor 50 EC @ 1.5 kg ai./ha as PE	5	253	25.2	223	20.74	108
Techn. Option I : : Pyrazosulfuron Ethyl 10% WP @ 20 g.ai/ha as PE at 0-3 DAT		275	26.4	232	21.08	111
Techn. Option II : : Pyrazosulfuron Ethyl 10% WP @ 20		286	27.8	257	21.44	117

g.ai/ha as PE fb Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-30 DAT					
Techn. Option III: PyrazosulfuronEthyl 10% WP@20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15- 25DAT	277	27.2	249	21.14	114
SEm ($\pm$)	7.00	0.7	14.85	0.31	3.88
CD at 5%	15.26	1.52	32.36	0.68	8.45

Technology Options	Grain Yield (qt/ha)	Straw Yield (qt/ha)	Harvest Index (%)	Weed Index (%)	Cost of Cultivation (Rs)	Gross return (Rs.)	Net return (Rs/ha)	B C ratio
Farmers practice	40.38	48.46	45.45	12.56	28346	59046	30498	1.08
Techn. Option I	43.32	51.72	45.58	6.19	28366	63285	34919	1.23
Techn. Option II	46.18	58.66	44.05		30626	67981	37355	1.32
Techn. Option III	45.00	59.18	43.19	2.55	29626	68305	36077	1.27
Sem ($\pm$)	2.10	2.74				3422	3177	0.12
CD at 5%	4.58	5.96				7457	6921	0.05

.Rate : Grain @ Rs.1200/qt.,& Straw cost @ 150/qt.

Result :Results showed that application of Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE fb Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-30 DAT was found effective to control all type of weeds resulting highest yield (46.18 q/ha) and gave higher net return (Rs.37355/),B:C ratio (1.32) closely followed by Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-25 DAT (45q/ha) with net return,B:C ratio are Rs.36077 /ha,1.27 respectively which was significantly higher than application of Pretilachlor 50 EC@1.5 kg ai./ha as PE in farmers practice (40.38q/ha) .Similar trend as paddy grain yield recorded in respect of harvest index however the lowest weed index was found in application of PyrazosulfuronEthyl 10% WP@20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-25 DAT(2.55)

OFT-2 (Agronomy)

1.	Title of On farm Trial	Assessment of herbicide in greengram
2.	Problem diagnosed	Heavy weed infestation of mixed flora while Smell mellon & Physallis minima is serious problem in Greengram causing reduction in yield.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice: One hand weeding T.O-I: Pendimethalin 30EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE) @ 40g ai./ha at 20-25 DAS T.O-II: Pendimethalin 30 EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE)@ 60g ai./ha at 20-25 DAS.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	MBAC,Agwanpur under BAU,Sabour,
5.	Production system and thematic area	Small Production system i.e.Rice-Wheat-Greengram and Weed Management
6.	Performance of the Technology with performance indicators	Weed index,Yield attributing characters, Yield & Economics
7.	Final recommendation for micro level situation	Trial continuing
8.	Constraints identified and feedback for research	Higher dose of Imazethaper (PoE)@ 60g ai./ha at 20-25 DAS blighted approximated 6 percent of leaves resulting deterioration of growth but recover after sometimes which is beneficial for kosi region.
9.	Process of farmers participation and their reaction	i. Identification & Periodization of problem by farmers ii Open ended questions iii.Field visit

Thematic area: Weed Management

Problem definition: Heavy weed infestation of mixed flora while Smell mellon & Physallis minima is serious problem in Greengram causing reduction in yield.

Technology assessed: Assessment of herbicide in green gram

Table: Efficacy of herbicides in green gram.

Technology Options	Parameters	Weed Density (m ²)
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	No. of trials	Plant ht.(cm)	Length of pod (cm)	50 % Flowering	Pods/ plant	Grain /pod	1000 grain wt.(gm)	30 DAS	At Harvest
Farmers practice : One hand weeding	8	68.86	9.8	48	35	10.1	48.47	19.33	36.30
Techn. Option I : Pendimethalin 30EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE) @ 40g ai./ha at 20-25 DAS		76.58	10.8	56	42	11.15	47.06	14.90	18.50
Techn. Option II : Pendimethalin 30 EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE)@ 60g ai./ha at 20-25 DAS.		82.42	10.9	58	56	11.39	48.45	9.56	12.65
SEm		2.89	0.39	1.72	0.49	1.8	0.57	0.93	2.89
CD (5%)		8.85	NS	5.29	NS	NS	1.76	2.86	8.85
CV(%)		10.76	10.74	11.03	12.64	10.61	11.12	11.74	10.76

Technology Options	Grain Yield (qt/ha)	Weed index (%)	Cost of cultivation (Rs)	Gross return(Rs)	Net return (Rs/ha)	B C ratio
Farmers practice	5.64	12.56	12683	36660	23977	2.89
Tech. Option I	7.89	6.19	16575	51285	34710	3.09
Tech. Option II	8.14	5.42	16965	52910	35945	3.12
SEm	0.28			1802.9	1218.5	0.11
CD (5%)	0.87			5521.5	3731.7	NS
CV(%)	11.11			10.86	10.93	10.48

Rate : Grain @ Rs.6500/qt.

Result : Results revealed that maximum yield recorded in application of Pendimethalin 30 EC(PE) @ 1kg ai/ha at 0-3 DAS followed by Imizathaper (PoE)@ 60g ai./ha at 20-25 DAS with net return Rs.35945/ha and B:C ratio (3.12) due to effective control of all weeds particularly Population and growth of Smell mellon (ghurmi) by slightly more and temporarily damaged to the green gram leaf in respect to lower dose which was at par with Pendimethalin 30EC(PE) @ 1kg ai/ha at 0-3 DASfb. Imizathaper (PoE) @ 40g ai./ha at 20-25 DAS but significantly higher than farmers practice. Lower weed index was also recorded in application of Pendimethlin 30 EC(PE) @ 1kgai/ha at 0-3 DAS followed by Imizathaper (PoE)@ 60g ai./ha at 20-25 DAS.

OFT-3 (Horticulture)

1.	Title of On farm Trial	Evaluation of different control measure in the management of Bacterial wilt of brinjal(Rabi 2020-21)
2.	Problem diagnosed	Wilting of brinjal in Koshi region due to Bacterial wilt.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – No use of chemical T.O I – Seedling dip treatment @25 ppm streptocycline + 2 spray of streptocycline. T.O II – Seed treatment (10g/Kg) + Soil drenching with P. Fluorescence 0.5 W.P @ 2 Kg/100 liter of water. T.O III – Seedling dip treatment with Trichoderma Viridae with 10 g/liter of water + P.Fluorescence 0.5 WP@20 g/liter of water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	GB Pant University, Pantnagar (Uttrakhand)
5.	Production system and thematic area	Cultivation of vegetable
6.	Performance of the Technology with performance indicators	Plant Height, Fruit weight, Wilting percentage etc.
7.	Final recommendation for micro level situation	Seedling dip treatment and foliar spray of streptocycline recommended to the farmer to control the wilting in brinjal.
8.	Constraints identified and feedback for research	Farmers do not use the seedling dip treatment
9.	Process of farmers participation and their reaction	Open discussion, field visit

Thematic area: Cultivation of Vegetable

Problem definition: Wilting of brinjal in Koshi region due to Bacterial wilt.

Technology assessed: Evaluation of different control measure in the management of Bacterial wilt of brinjal.

Treatment	Plant Height (cm)	Fruit Wt. (g)	Wilting %	Yield (q/ha)	Gross Cost (RS)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
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Farmers Practice	75.05	84.01	36	231.61	101281	277200	175919	2.73
T.O I	82.96	96.74	14.1	313.67	101481	376404	274923	3.7
T.O II	78.41	87.24	22.8	277.03	103511	332436	228925	3.21
T.O III	79.91	90.69	18.6	294.85	105631	353820	248189	3.34
SEm	0.929	1.584		1.627				
CD (5%)	2.750	4.68		4.818				

Result: The result revealed that the treatment option I (Seedling dip treatment @25 ppm + 2 spray of streptocycline @ 25 ppm) perform higher yield, fruit weight and reduction in wilting % (14.1) with 1:3.7 B:C ratio than other treatment & Farmers Practice.

OFT-4 (Horticulture)

1.	Title of On farm Trial	Evaluation of different control measure in the management of Bacterial wilt of brinjal(Rabi 2021-22)
2.	Problem diagnosed	Wilting of brinjal in Koshi region due to Bacterial wilt.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – No use of chemical T.O I – Seedling dip treatment @25 ppm streptocycline + 2 spray of streptocycline. T.O II – Seed treatment (10g/Kg) + Soil drenching with P. Fluorescence 0.5 W.P @ 2 Kg/100 liter of water. T.O III – Seedling dip treatment with Trichoderma Viridae with 10 g/liter of water + P.Fluorescence 0.5 WP@20 g/liter of water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	GB Pant University, Pantnagar (Uttarakhand)
5.	Production system and thematic area	Cultivation of vegetable

6.	Performance of the Technology with performance indicators	Plant Height, Fruit weight, Wilting percentage etc.
7.	Final recommendation for micro level situation	Seedling dip treatment and foliar spray of streptocycline recommended to the farmer to control the wilting in brinjal.
8.	Constraints identified and feedback for research	Farmers do not use the seedling dip treatment
9.	Process of farmers participation and their reaction	Open discussion, field visit

Thematic area: Cultivation of Vegetable

Problem definition: Wilting of brinjal in Koshi region due to Bacterial wilt.

Result: Crop standing and result awaited

OFT-5 (Horticulture)

1	Title of On farm Trial	Assessment of proper does of Paclobutrazol in mitigating irregular bearing in mango (Rabi 2020-21)
2	Problem diagnosed	Alternate bearing in mango in Kosi region
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – No Use T.O I – Paclobutrazol@1.0 g a.i/m effective canopy (20-30 ml/plant) in Soil. T.O II – Paclobutrazol @ 1.5 gm a.i/m effective canopy (30-45 ml) in Soil.
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CISH, Lucknow
5	Production system and thematic area	Bearing regulation
6	Performance of the Technology with performance indicators	Flowering induced percent at time of panicle initiation, fruit wt,fruit yield(q/ha) and BCR
7	Final recommendation for micro level situation	
8	Constraints identified and feedback for research	Highly use of chemical fertilizer
9	Process of farmers participation and their reaction	Open discussion, field visit

Thematic Area

Problem definition: Irregular bearing, less flowering and low yield

Technology assessed:

Table :

Technology Option	Days to 50% flowering after treatment	No. of fruits/plant	Fruit wt.(gm)	Fruit (Kg/plant)	Yield (q/ha)	Gross cost	Gross Return	BCR
Farmers Practice	140	192	211.1	40.5	40.5	35100	101250	2.88
T.O I	126	373	216.9	80.9	80.9	46765	202250	4.32
T.O II	122	510	222.8	113.6	113.6	51431	284000	5.52
CD@5%	13.62	41.44	5.21	9.13	9.13			
Cv	11.12	12.21	2.55	12.30	12.30			
Sem	4.55	13.84	1.75	3.05	3.05			

Result : The result revealed that the use of Paclobutrazol @ 1.5 gm a.i/m effective canopy (30-45 ml) in Soil shows better in early flowering fruit weight and yield than other treatment with 5.52 BCR.

OFT-6 (Horticulture)

1.	Title of On farm Trial	Assessment of proper does of Paclobutrazol in mitigating irregular bearing in mango (Rabi 2021-22)
2.	Problem diagnosed	Alternate bearing in mango in Kosi region
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – No Use T.O I – Paclobutrazol@1.0 g a.i/m effective canopy (20-30 ml/plant) in Soil. T.O II – Paclobutrazol @ 1.5 gm a.i/m effective canopy (30-45 ml) in Soil.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CISH, Lucknow
5.	Production system and thematic area	Bearing regulation
6.	Performance of the Technology with performance indicators	Flowering induced percent at time of panicle initiation, fruit wt,fruit yield(q/ha) and BCR
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Highly use of chemical fertilizer
9.	Process of farmers participation and their reaction	Open discussion, field visit

Thematic area: ICM

Problem definition: Irregular bearing, less flowering and low yield

Result : Result awaited

OFT-7(Entomology)

1.	Title of On farm Trial	IDM of root and stem rot of cucurbits (2nd Year) Rabi 2020-21
2.	Problem diagnosed	Low profitability in cucurbits cultivation due to root and stem rot. Percentage Loss : 40-50%
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Spray of endofil m-45@3gm/L Technology option-I (TO-I): Copper oxy chloride @3gm/L +velidamycin @2ml/L (Soil drenching) Technology option-II (TO-II): Kashgamycin @ 2ml/L+Sixer (Mancozeb + carbendazim) @ 2gm/L (Poison painting and spray) at 20 days interval) + Trichoderma viridie @ 5ml/L (soil drenching).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi
5.	Production system and thematic area	Small Production system / IDM
6.	Performance of the Technology with performance indicators	1. Disease appearance 2. % infestation 3. Yield Q/ha 4. B:C ratio
7.	Final recommendation for micro level situation	Cucurbits vegetable cultivation
8.	Constraints identified and feedback for research	Mixing of two fungicide manage the disease synergistically
9.	Process of farmers participation and their reaction	Training, Diagnostic visit & Group discussion

Thematic area: IDM

Problem definition: Low profitability in cucurbits cultivation due to root and stem rot. Percentage Loss: 40-50%

Technology assessed: To assess the effective fungicide with combination

Table : 1. Mean per cent infestation and Per cent Reduction in Disease incidence of Root & Stem rot of bottle gourd plant during Rabi 2020-21

Technological option	(%) Root Rot	(%) Reduction of	(%) Stem Rot	(%) Reduction of Stemt
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	infestation	Root Rot Infestation over FP	infestation	Rot Infestation over FP
T0: Farmers Practice (FP): Spray of endofil M-45@3gm/L	44.66	0.00	19.50	0.00
T1: Copper oxy chloride @3gm/L +velidamycin @2ml/L(Soil drenching)	31.54	29.37	15.90	18.46
T2: Kashgamycin @ 2ml/L+Sixer (Mancozeb + carbendazim) @ 2gm/L (Poison painting and spray also at 20 days interval + Trichoderma as soil drenching	21.53	51.79	12.10	37.95
C.D.	1.208	-	0.478	-
SE(m)	0.404	-	0.160	-

Table : 2. Mean per cent infestation and Per cent Reduction in Disease incidence of Root & Stem rot of bottle gourd plant during Rabi 2020-21

Technological option	Mean Yield (q/ha)	Additi onal yield over FPI (q/ha)	Value of additionl Yield @ Rs. 400/q	Per cent increase in yield over FP	Cost of insecticidal Application (Rs.)	Net Return (Rs.)	B:C Ratio
T0: Farmers Practice (FP): Spray of Endofil M-45@3gm/L	271.72	0.00	-	-	-	-	-
T1:Copper oxy chloride @3gm/L+ velidamycin @2ml/L (Soil drenching)	347.75	76.03	30412	27.98	2400+800=3200	27212	1: 8.50
T2:Kashgamycin @ 2ml/L+Sixer (Mancozeb + carbendazim) @ 2gm/L (Poison painting and spray also at 20 days interval + Trichoderma as soil drenching	370.57	98.85	39540	36.37	2600+800=3400	36140	1: 10.62
C.D.	9.208						
SE(m)	3.075						

Result : The data revealed that Minimum infestation percentage of root rot (21.53) and stem rot (12.10) with maximum yield (370.57q/ha) recorded in T02(Kashgamycin @ 2ml/L+Sixer (Mancozeb + carbendazim) @ 2gm/L (Poison painting and spray also at 20 days interval + Trichoderma as soil drenching) than TO1 and farmer practices. TO2 showed maximum Benefit cost ratio (1:2.92) than other treatment.

OFT-8 (Entomology)

1.	Title of On farm Trial	Management of Fall army worm (<i>Spodoptera frugiperda</i>) in Maize
2.	Problem diagnosed	Fall army worm <i>spodoptera frugiperda</i> is the most dreaded invasive insect pest associated with maize. It causes heavy losses upto 80%. Sometime their infestation level is so high that farmer do not get return even whatever they spend on seeds. Therefore, it is needed for management of Fall army worm.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – Use of carbafuran 3G@10 Kg/ha. T.O I – 1. Application of sand (After whorl formation and at 5% damage symptoms appearance) 2. Spaying of Emamectin benzoate 5SG@0.4 gm/liter of water at 5 days of application of sand. 3. Spraying of Thiomethaxam 12.5% + Lemda cyhalothrin 9.5%@0.5ml/liter of water at 15 days after 1st spray. T.O II – 1. Application of sand (After whorl formation and at 5% damage symptoms appearance) 2. Spraying of Fipronil 5 SC@1ml/L of water at 5 days of application of soil. 3. Spraying of spinosad 45 SC@0.2 ml/L at 15 days after 1st Spray.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	B.A.U, Sabour (Bhagalpur) vide email 23 July 2020, ATARI, Patna
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Infestation, Yield , Economic analysis & B:C Ratio
7.	Final recommendation for micro level situation	Whorl application of sand @5% damaged symptom than after 5 days spraying of emamectin benzoate 5SG@0.5gm/L followed by second spraying of thiomethoxam 12.5%+Lemdasyhelothrin 9.5%(Alika@0.5ml/L) through most effective and reduce 85.25%of larval population over farmers practice with highest yield 85.3 q/ha and 2.03 BCR.

8.	Constraints identified and feedback for research	Poor availability of chemicals
9.	Process of farmers participation and their reaction	Group discussion, Diagnostic visit Farmers adopted this technology

Table 1 : Effect of treatments on FAW Larval density on Rabi Maize 2020-21

Technological options	Larval Population/10 randomly selected plant		% Population
	Pre Spray	3 days after spray	
Farmers Practice	35.40	21.70	0.0
T.O I	37.80	3.20	85.25
T.O II	34.90	9.45	56.45
C.D.	0.8777	0.837	
SEm	0.293	0.280	

Table 2: Economics of technological options on FAW Larval density on Rabi Maize 2020-21

Technological options	Mean grain Yield (q/ha)	% Increase in yield Over FP	Gross Cost (Rs)	Gross Return (Rs)	Net Return (Rs)	B:C Ratio
Farmers Practice	57.50	0.0	59135.00	86250.00	27115.00	1.46
T.O I	85.30	48.34	63135.00	127950.00	64815.00	2.03
T.O II	75.40	31.13	62535.00	113100.00	50650.00	1.81
C.D.	2.132					
SEm	0.712					
Cv	3.112					

Results: TO 1 ie. Application of sand in whorl at 5% damage symptom appearance then after 5 day of application of sand spraying of Emmamectin benzoate [5SG@0.4](#) gm/L followed by 2nd spraying of Thiomethaxam 12.5% + Lembdacyhalothrin 9.5% (Aliko)@0.5 ml/L proved most effective and reduce 85.25% of Larval population over FP with highest yield 85.30 q/ha with 2.03 BCR.

OFT-9 (Entomology)

1	Title of On farm Trial	Management of mango leaf weber (Orthaga euadrusalis Walker.)
2	Problem diagnosed	Leaf weber appeared as a major insect pest of mango which generally appear in the

		month of August-September, causes heavy losses to foliage resulted poor fruiting of orchards. caterpillar of the pest eat up entire leaves except petiole and formed cocoon like net and hide inside.
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – Spray of Super killer @1.5ml/L T.O I – Spray of lamda cyhalothrin 5 EC @ 2ml/L If infestation persist 2nd spray at 20 days after 1st spray. T.O II – Spray of quinalphos25 EC @ 1.5ml/L If infestation persist 2nd spray at 20 days after 1st spray T.O.III -Spray of Sorter (Acephate 45% +Cypermithrin 5%) @ 2gm/L If infestation persist 2nd spray at 20 days after 1st spray
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Central Institute of Sub- Tropical Horticulture, Rehmankhera (Lucknow), UP , 2014
5	Production system and thematic area	IPM
6	Performance of the Technology with performance indicators	Infestation, Yield , Economic analysis & B:C Ratio
7	Final recommendation for micro level situation	Spray of Sorter (Acephate 45% +Cypermithrin 5%) @ 2gm/L If infestation persist 2nd spray at 20 days after 1st spray maximum reduced 79.54 and 83.34 no. of web/tree and no. of larvae/web, respectively with maximum yield (86.74q/ha) and BCR (4.93)
8	Constraints identified and feedback for research	Poor availability of chemicals
9	Process of farmers participation and their reaction	Group discussion, Diagnostic visit Farmers adopted this technology

Table 1 : Level of infestation and effect of treatments on percent reduction of mango leave weber and economics of treatments.

Technology option	No. of trials	Infestation		Per cent reduction		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No.of web/tree	No.of larvae/web	No.of web/tree	No.of larvae/web					
Farmers Practice – Spray of Super killer @1.5ml/L	10	27.67	32.25	54.60	43.58	56.45	42600	141125	98525	3.31
T.O I – Spray of lamda		15.34	12.63	67.85	61.75	67.30	43200	168250	125050	3.89

cyhalothrin 5 EC @ 2ml/L If infestation persist 2 nd spray at 20 days after 1 st spray.										
T.T.O II – 1 Spray of quinalphos 25 EC @ 1.5ml/L If infestation persist 2 nd spray at 20 days after 1 st spray		12.25	6.87	73.25	68.40	76.50	43750	191250	147500	4.37
T.O.III- Spray of Sorter (Acephate 45% +Cypermithrin 5%) @ 2gm/L If infestation persist 2 nd spray at 20 days after 1 st spray		7.50	1.96	79.54	83.34	86.74	43978	216850	172872	4.93
CD		0.615	2.983							
SEm		0.211	1.023							

Rs 2500/ q

Results: Technological option III proved most effective reduced maximum 79.5 and 83.34 no. of web/tree and no. of larvae/web, respectively with maximum yield (86.74q/ha) and BCR (4.93)

OFT-10 (Animal Sc.)

1	Title of On farm Trial	Effect of feeding different hydroponic fodder on reproductive performance of Does.
2	Problem diagnosed	✓ There was infertility problems in Does after 3-4 calving especially in Urban area. Which was mainly due to deficiency of nutrients and unavailability of green fodder . ✓ Hydroponic is a technique to provide green fodder round the year and also rich source of vitamin A and E.
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	60 days (post partum) trial excluding 15 days preliminary periods and 15 days post feeding periods. Replacing 50g grains as hydroponic green fodder. Farmers practices: Grazing+Straw+ maize

		Technology Option I: FP+ Hydroponic fodder of wheat Technology Option II: FP+ Hydroponic fodder of Maize Technology Option III: FP+ Hydroponic fodder of 50% maize +50% Wheat
4	Source of Technology (ICAR/AICRP/SAU/other, please specify)	Deptt. Of Animal husbandry and Dairy science college of agriculture, Dr B.S K.K.V Dapoli India/Najah National University, Nablus, Palestin
5	Production system and thematic area	Feeding Management
6	Performance of the Technology with performance indicators	Cost of feeding, Net Return, B:C ratio
7	Final recommendation for micro level situation	Hydroponic fodder to Does significantly reduce the first postpartum heat and day of conception period also owing to which 44 to 48 percent
8	Constraints identified and feedback for research	Goat rearing in maximum and semi intensive condition maximum from scarcity of green fodder because of their low growth rate of kids, maximum mortality of kids and calving interval is maximum. Because, does suffer from minerals and vitamin deficiency.
9	Process of farmers participation and their reaction	Group discussion, Diagnostic visit etc.

Table I : Reproductive performa Report of does after feeding of hydroponic fodder

Technology	No. of Does	Does show FPP	No. of service required	Average day of Does conceive
Farmers Practice : Grazing+Straw+200 gm Maize grain Feeding	10	38.5 $\pm$ 1.2 ^a	52.5 $\pm$ 2.1 ^a	1.8 $\pm$ 0.18 ^a
T.O I : F.P + 250 gm hydroponic fodder of wheat	10	23.6 $\pm$ 0.9 ^b	29.2 $\pm$ 2.18 ^b	1.2 $\pm$ 0.10 ^b
T.O II : F.P + 250 gm hydroponic fodder of wheat	10	27.7 $\pm$ 0.9 ^b	33.3 $\pm$ 2.20 ^b	1.4 $\pm$ 0.12 ^b
T.O III : F.P + 250 gm of hydroponic fodder of oat	10	23.7 $\pm$ 0.9 ^b	29.4 $\pm$ 2.20 ^b	1.2 $\pm$ 0.10 ^b

NB : Replacing 50 gm grain as Hydroponic green fodder from Farmers practice in T.O I to T.O III.

Table II : Economic Performance of Does after Hydroponic fodder feeding

Initial Wt. of Does (Kg)	24.0 $\pm$ 0.5	23.4 $\pm$ 0.4	24.1 $\pm$ 0.06	23.6 $\pm$ 0.05
DMI intake gm/day	952.5 $\pm$ 10.2	995 $\pm$ 8.20	985 $\pm$ 8.96	1002 $\pm$ 9.04
Total feed consume upto conceive (Kg)	50.00	29.05	32.80	29.45
Total cost of feeding upto conception	354.9	181.77	197.30	184.04
Save the money in respect of control	-	173.13	157.6	170.86
% Benefit	-	48.78	44.40	48.14

Result: Present study conducted on 40 Does and give the treatment and one Farmers trial up to 60 days.

A data depicted in the table indicates that using of hydroponic fodder to Does, it significantly reduce the first postpartum heat and day of conception period also owing to which 44 to 48 percent reduced feeding cost in comparison to farmers practice in conception of Doe , T.O I to T.O III shows almost similar parameter.

3.1.2 Technology Assessed by KVK (Discipline wise)

S. N.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Crop Production	Weed Management in Paddy	4	5	5
		Weed Management in Greengram	3	8	8
2.	Crop Protection	IDM &IPM	3	30	30
3.	Livestock	Feeding Management	4	10	10
4.	Enterprises				
5.	Women Empowerment				

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

S. N.	Crop	Thematic area	Technology	Area (ha)	No. of farmers/	Reasons for
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			Demonstrated with detailed treatments			demonstration								shortfall in achievement	
				Proposed	Actual	SC		ST		Others		Total			
1.	Wheat cv. HD 2967	Nutrient Management	NE SSNM in Wheat	4	0.8	0	0	0	0	2	0	2	0	2	Fund unavailability

Details of farming situation

S. N.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P ₂ O ₅	K ₂ O					
1	Wheat Cv 2967	Rabi 2020-21	Irrigated	Sandy loam	218	39.50	75.36	Paddy	16-25.11.2020	8-15.04.21		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

B. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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
Rai	Productivity enhancement	Response of sulphur on yield	81	30	10.87	6.18	90.1	13785	43840	29695	3.18	13245	24720	11475	1.87
Sunflower	Productivity enhancement	Response of sulphur on yield	54	20	17.35	16.25	11.63	35132	69400	34268	1.98	34270	65000	30730	1.89
Groundnut	Productivity enhancement	Suitability of variety	58	20	13.60	8.25	49.69	52820	136000	83180	2.57	52650	82500	29850	1.56

* 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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)	% Increase	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)
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[illegible]

*** 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**

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
Litchi	Cultivation of Fruit	Litchi var. Rose scented	75	75 HHs	Crop standing												
Capsicum	Cultivation of vegetable	Capsicum hybrid Var.Delisha	20 HHs	20 HHs	Result awaited												
Brocoli	Cultivation of vegetable	Hybrid variety	20 HHs	20 HHs	102.0	82.0	25	-	-	50100	204000	153900	4.07	49400	164000	114600	3.31
Onion	Cultivation of vegetable & INM	Onion seed & Sulphur	10	0.5	Seed distributed & result awaited												
Chilli	INM	Tricontanole@5PPM	10	1	Result awaited												

Chili Kharif 2020-21	IDM	Disease management of leaf curl in chili	20	05	55.75	48.79	14.26	-	-	55245	111500	56255	2.01	54125	97400	43275	1.80
Cucurbits Pre Rabi 2020-21	IDM	Management of root and stem rot of cucurbits	20	05	340.5	289.7	17.53	-	-	45215	136000	90795	3.00	42250	115880	73630	2.74

Livestock

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
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cow	Disease Management	Validation of ovsynch protocols in postpartum anoestrus cow	12	15 Cows	Going on												
Buffalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (Sorghum)	Feeding Management	Promotion of perennial sorghum grass	10	02 ha	723.5 q/ha	322 q/ha	124.68	-	-	25000.00/ha	72350.00 qt.	47350.00	2.89	15000.00/ha	32200.00 qt.	17200.00	2.14
Total			12	02 ha	723.5 q/ha	322 q/ha	124.68	-	-	25000.00/ha	72350.00 qt.	47350.00	2.89	15000.00/ha	32200.00 qt.	17200.00	2.14

* 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

Fisheries : NOT APPLICABLE

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

Other enterprises : NOT APPLICABLE

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			
				Demons ration	Check		Demons ration	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

Women empowerment : NOT APPLICABLE

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

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										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy	PyrazosulfuronEthyl 10% WP@20 g.ai/ha as PE + Bispyribac sodium 10 SC @ 20 g.ai/ha as PoE at 15-25 DAT controlled effectively & also found cost effective in paddy.
2.	Greengram	Application of Pendimethalin 30 EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE)@ 60g ai./ha at 20-25 was found to be best in control of Smell melon in greengram.
3.	Brocoli	Farmers fetch more price than cauliflower and this cultivation is liking by the farmers. Due to non-awareness demand is slightly less than other Cole crops.
4.	Chilli	Two spray of acetamepride 25% SP @1gm/L found most effective to reduce the chilli leaf curl virus upto 15.23%, gain in maximum yield 58.71 q/ha and BC ratio 11.49 over farmers practice in the context of pesticide applied.
5.	Cucurbits	Kashgamycin @2ml/L followed by poison pantene and spray of mancozeb+carbendazim@2ml/L and lastly drenching with trichoderma viridae is found most effective for reduction of disease incidence 51.79% (Root rot and 37.95%) stem rot with highest fruit yield 370.5 q/ha. This treatment also got highest BC ratio 1.10 ⁶ in context of pesticide application in comparison to farmers practice.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	1.9.2021,16.3.2021,7.3.2021,23.01.2021,22.08.2021,29.12.2021	6	114	
2.	Farmers Training	24/11/2021 23-24.10.2021	1 2	20	
3.	Media coverage	18.3.2021,26.08.2021,16.12.2021	13	Mass	
4.	Training for extension functionaries	18.3.2021,22.08.2021	2	27	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif and Rabi:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon Pea(2021-22)	Desi	8.15	950	1438	1600	Rajiv Lochan+(Seed @ 20kg/ha +Insecticides +Fungicides+other agrochemical)	46	10	10.85	5.37	9.84	03.57	(-)31.57	(-)38.50
2	Lentil (2021-22)	Titka	8.2	8.2	12.72	16-18	HYV Seed (IPL 316)+ Bio fertilizer+ weedicide + Agrochemicals	69	20	15.42	10.23	11.86	24.76	(-)6.98	(-) 34.11
3	Moong (2021-22)	Desi moong	7.3	752	703	13.00	IPM 205-7 (Virat) + Rhizobium + weedicide (Pendimethalin) +Agrochemicals	42	10	11.73	6.15	8.75	3.01	24.47	(-) 71.42
4	Rapeseed & Mustard (2021-22)	Raicha	6.18	7.5	11.00	15.00	Seed 5 kg/ha (R.suflam)+ Sulphur30 kg /ha +Agrochemical	75	30	15.75	9.23	10.87	44.93	-1.18	(-)27.53)
5	Sunflower(2021-22) Summer 2022	Local sankar fool	1625	16.25	14.29	27.5	Sulphur+ Pendimithaline +Agrochem chemicals	50	20	22.43	11.26	17.35	6.77	21.41	(-) 36.90

6	Groundnut (2021-22) Summer 2022	Local	8.25	825	1020	2189	Seed (G2-52) +Agrochemicals (Fungicide & Insecticide)	98	30	19.75	7.98	13.60	64.84	33.33	(-)37.87
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B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		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	Rajiv Lochan+(Seed @ 20kh/ha +Insecticides +Fungicides+other agrochemical))	18950	44825	25875	2.36	19725	51700	31975	2.62
2	HYV Seed (IPL 316)+ Bio fertilizer+ weedicide + Agrochemicals	17312	31000	13688	1.79	19020	59300	40280	3.12
3	IPM 205-7 (Virat) + Rhizobium + weedicide (Pendimethalin) +Agrochemicals	17100	43800	26700	2.56	17825	52500	34675	2.95
4	Seed 5 kg/ha (R.suflam)+ Sulphur30 kg /ha +Agrochemical	13245	24720	11475	1.87	13785	43840	29695	3.18
5	Sulphur+ Pendimithaline +Agrochem chemicals	34270	65000	30730	1.89	35132	69400	34268	1.98
6	Seed (G2-52) +Agrochemicals (Fungicide & Insecticide)	52650	82500	29850	1.56	52820	136000	83180	2.57

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Pigeon Pea (2021-22)	9840	118	55	140	9700	Own consumption as well as family expenses.	20-25
2	Lentil (2021-22)	23700	70	50	600	23100	Family expenses and child care.	22/House hold
3	Moong (2021-22)	840	75	25	600	310	Own consumption & Education of children	20/household
4	Rapeseed & Mustard (2021-22)	32600	30	Rs 40	150	32450	To meet out Family expenses& children education fees	23/household
5	Sunflower (2021-22) Summer	34060	34060	40	0 (Hybrid)	0 (Hybrid)	Family maintenance & children education	25/household

	2022							
6	Groundnut (2021-22) Summer 2022	39600	25000	100	1500	600	Own consumption & Education of children	24/household

D. Pulses and Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability 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
1.	Rajiv Lochan+(Seed @ 20kh/ha +Insecticides +Fungicides+other agrochemical)	Yes	poor	less	Crop fail if heavy rainfall	yes	Short duration variety disirable
2	HYV Seed (IPL 316)+ Bio fertilizer+ weedicide + Agrochemicals	Yes	Good	Affordable	No	Yes	Short duration variety desirable
3	IPM 205-7 (Virat) + Rhizobium + weedicide (Pendimethalin) +Agrochemicals	yes	Poor	Less	HYV Moong got luxuriant growth due to high humidity and rainfall. Hence, Non fruiting is common phenomena	Poor	Early variety which low vegetative growth like local variety acceptable by the farmers.
4	Seed 5 kg/ha (R.suflam)+ Sulphur30 kg /ha +Agrochemical	Yes	HYV suited for late sowing after harvest of paddy	Moderate	No	Yes	Availability of HYV seed suitable for late sowing
5	Sulphur+ Pendimithaline +Agrochem chemicals	Yes	Only Hybrid seed from Pvt company yielded better	Poor	Unavailability of HYV seed/Govt. hybrid seed	Yes	Seed availability must be ensured
6	Seed (G2-52) +Agrochemicals (Fungicide & Insecticide)	Yes	Suitable	Poor	Unseasonal rain damaged the crop	Yes	Farmer want to procure good quality seed from institution.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Mutant HUL 11 and Myotree(ILL 7723XBLX841-46),Small	Good	Moderate	Better performance

seeded resistant to rust and moderately resistance to wilt, maturity 121-125 days, seed rate 30 kg/ha, yield potential 1800 kg/ha			
Stability mosaic resistance ,246 day crop, Yield 16-18 q/ha	Long duration	Moderate	Like water tolerant and short duration variety

F. Extension activities under CFLD conducted:

Crop	Extension Activities organized	Date and place of activity	Number of farmer attended		
			M	F	T
Pigeon pea Kharif 2021	Site selection cum farmers training at Rampur Lahi	20/07/21	21	04	25
	Farmers training on Scientific cultivation of Pigeon pea, seed treatment and their plant protection,	23/07/21	27	04	31
	Diagnostic visit cum field day	28/10/21	29	01	30
Lentil Rabi 2021-22	Farmers training on scientific cultivation of lentil and Site selection.	29/10/21	21	5	26
	Scientific cultivation of lentil and their plant protection	05/11/21	18	10	28
	Scientific cultivation of lentil and their plant protection	07/11/21	21	2	23
	Scientific cultivation of lentil and their plant protection	08/11/21	29	0	29
	Scientific cultivation of lentil and their plant protection	09/11/21	26	0	26
	Diagnostic visit cum Field Day	17/3/22	25	0	25
	Diagnostic visit cum Field Day	27/3/22	23	0	23
Moong Summer 2022	Farmers Training on “ Scientific cultivation of moong and their plant protection.”	04/03/2022 KVK, Madhepura	36	01	37
	Farmers Training on “ Package & Practices of Moong& their plant Protection”	05/03/2022 KVK, Madhepura	18	03	21
	Management of insect pest and diseases of moong crop.	27/05/2022 Joint Agril. Building , Madhepura	25	05	30
	Farmers training cum field day	28/05/2022	23	07	30

		Ghelard			
Rapeseed & Mustard Rabi 2021-22	Field visit for selection of farmers and training imparted on “cultivation of rapeseed/ mustard and their plant protection”.	29.10.21 Kumarkhand	25	5	30
	Field visit for selection of farmers and training imparted on “cultivation of rapeseed/ mustard and their plant protection”.	06.11.21Gwalpara	26	2	28
	Seed treatment and Farmers training for scientific cultivation of Rai.	16.11.21 KVK, Madhepura campus	29	1	30
	Farmers training on scientific cultivation of Rai and their plant protection .	01.12.21 KVK, Madhepura campus	28	2	30
	Farmers training on scientific cultivation of Rai and their plant protection .	07.12.21 KVK, Madhepura campus	15	3	25
	Diagnostic visit cum Field Day	19.02.2022Aurahi, Pathraha, Jhitkiya	25	5	30
	Diagnostic visit cum farmers training	17.03.2022Tamot Parsa . Bhatkhora.	22	7	29
Sunflower (2021-22) Summer 2022	Land survey and selection of plots for sunflower cultivation	13/02/2022	46	0	46
	Field visit for selection of farmers and soil sampling.	17/02/2022 Belo, Chamgarh	26	0	26
	Farmers training on Scientific cultivation of Sunflower and their plant protection.and technique of seed treatment.	18/02/2022 ,KVK, Madhepura	40	0	40
	Diagnostic visit cum field day	20/04/2022	25	0	25
	Field Day at chamgadha	31/05/2022	28	0	28
Ground nut	Site selection and Farmers Training on “Package & Practices of ground nut & their	02/04/2022 Parmanpur,	26	2	28

Summer 2022	plant Protection”	Ghelard			
	Farmers Training on “ Package & Practices and Scientific cultivation of Ground nut & their plant Protection”	03/04/2022 KVK, Madhepura	25	0	25
	Farmers Training on “ Package & Practices and Scientific cultivation of Ground nut & their plant Protection”	04/04/2022 KVK, Madhepura	22	3	25
	Farmers training on Scientific cultivation of ground nut and their plant protection.	28/04/2022 KVK, Madhepura	20	2	22
	Farmers training on Scientific cultivation of ground nut and their plant protection.	30/04/2022 KVK, Madhepura	15	7	22
	Diagonostic visit cum field Day	28/05/2022 , Bhatrandha, pramanpur, Ghelard	23	7	30
	Field demonstration cum field Day	01/6/2022 Ram Nagr, Kumarkhand	27	1	28
	Field demonstration cum field Day	03/06/2022 Baghra, Basdeopur ,Purani	23	0	23

G. Sequential good quality photographs (as per crop stages i.e. growth & development)

Pigeon Pea



Lentil



Moong



Rapeseed & Mustard



Sunflower



Ground nut



H. Farmers' training photographs



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



J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon Pea	i) Critical input	81000.00	81000.00	0
	ii) TA/DA/POL etc. for monitoring	9000.00	9000.00	0
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	90000.00	90000.00	0
Lentil	i) Critical input	162000	162000	0
	ii) TA/DA/POL etc. for monitoring	18000	18000	0
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	180000	180000	0
Moong	i) Critical input	81000.00	81000.00	0
	ii) TA/DA/POL etc. for monitoring	9000.00	9000.00	0

	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	90000.00	90000.00	0
Rapeseed & Mustard	i) Critical input	162000.00	162000.00	0
	ii) TA/DA/POL etc. for monitoring	18000.00	18000.00	0
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	180000.00	180000.00	0
Sunflower	i) Critical input	108000.00	108000.00	0
	ii) TA/DA/POL etc. for monitoring	120000	12000	0
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	120000	120000	0
Groundnut	i) Critical input	324000	324000	0
	ii) TA/DA/POL etc. for monitoring	36000	36000	0
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	360000	360000	0

[illegible]

[illegible]

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
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	04	25	7	32	0	0	0	0	0	0	25	7	32
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	04	86	8	94	11	15	26	0	0	0	97	23	120
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	45	339	78	417	25	18	43	0	0	0	364	96	460

C) Extension Personnel (on campus)

[illegible]

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Integrated Weed Management)	01	32	4	36	0	0	0	0	0	0	32	4	36
TOTAL	02	55	4	59	2	0	2	0	0	0	57	4	61

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Integrated pest management)	01	27	0	27	2	0	2	0	0	0	29	0	29
Others (Cultivation of fruits)	01	10	25	35	0	3	3	0	0	0	10	28	38
TOTAL	4	84	30	114	12	3	15	0	0	0	96	33	129

F) Extension Personnel (Off Campus)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any(IWM)	01	32	4	36	0	0	0	0	0	0	32	04	36
Others(Cultivation of crops)	01	20	01	21	12	05	17	0	0	0	32	6	38
Others(ICM)	01	32	03	35	05	0	05	0	0	0	37	03	40
Others(IDM)	02	52	02	54	09	0	09	0	0	0	61	02	63
TOTAL	15	419	19	438	100	8	108	0	0	0	519	27	546

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 participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total

December'2021										
Animal Sc.	PF	Goat Farming	01	OFF	0	30	30	0	5	35
	PF	Goat Farming	01	OFF	15	0	15	0	0	15
	RY	Poultry Farming	03	ON	12	7	19	1	10	30
	RY	Poultry Farming	03	ON	22	0	22	8	0	30
	RY	Poultry Farming	03	ON	26	0	26	1	3	30
	RY	Poultry Farming	03	ON	26	1	27	1	2	30
Horticulture	PF	Vegetable Cultivation	01	OFF	15	0	15	0	0	15
Crop Production	PF	INM	01	ON	28	2	30	3	0	33
	PF	Organic Cultivation	01	ON	21	5	26	7	2	35
	PF	ICM	01	OFF	27	3	30	2	0	32
November'2021										
Entomology	PF	IPM	01	ON	18	8	26	0	2	28
	PF	IPM	01	ON	22	1	23	4	1	28
	PF	IDM	01	OFF	13	1	14	8	1	23
	RY	IPM	01	OFF	27	0	27	2	0	29
	RY	Mushroom Cultivation	01	OFF	27	0	27	5	0	32
	EF	IPM	01	OFF	20	0	20	9	0	29
Horticulture	PF	Vegetable Cultivation	01	OFF	8	15	23	2	5	30
Crop Production	PF	ICM	01	OFF	21	4	25	5	0	5
	PF	RCT	01	OFF	28	0	28	3	0	31
	PF	RCT	01	OFF	25	0	25	7	0	32
Animal Sc.	PF	Goat rearing	01	OFF	8	15	23	2	5	30
October'2021										
Crop Production	PF	Weed Management	01	OFF	30	2	32	3	0	35
	PF	Weed Management	01	OFF	30	0	30	2	0	32
	PF	Role of CRA technology in Crop Production	01	OFF	25	0	25	5	4	34
	EF	Scientific cultivation of	01	OFF	20	1	22	12	5	39

		Rabi crops								
Horticulture	PF	Nursery raising	02	ON	0	0	0	4	36	40
	PF	Nursery raising	02	ON	0	0	0	1	34	35
Entomology	PF	IPM	01	OFF	15	5	20	5	0	25
	PF	IPM	01	OFF	25	0	25	5	1	31
	PF	IPM	01	OFF	15	5	20	6	0	26
	RY	Mushroom Cultivation	01	OFF	20	5	25	5	0	30
	EF	IPM	01	OFF	72	3	75	36	3	117
A.Sc.	PF	Dairy Management	01	ON	17	0	17	23	0	40
September'2021										
Crop Production	PF	ICM	01	ON	48	2	50	0	0	50
	PF	INM	01	ON	30	0	30	40	0	70
	RY	Seed Production	01	ON	27	1	28	0	0	28
	RY	Seed Production	01	ON	27	1	28	0	0	28
	EF	IWM	01	ON	32	4	36	0	0	36
Horticulture	PF	Cultivation of Vegetable	01	OFF	7	9	16	4	24	44
	PF	Cultivation of fruits	01	OFF	19	0	19	0	0	19
	RY	Seed Production & processing	01	ON	27	1	28	0	0	28
	RY	Seed Production & Processing	01	ON	27	1	28	0	0	28
Entomology	PF	IPM	01	ON	20	0	20	4	0	24
	PF	IPM	01	OFF	20	0	20	5	0	25
	RY	Beekeeping	06	ON	28	0	28	0	0	28
	EF	IPM	01	ON	23	0	23	2	0	25
A.Sc.	PF	Disease Management	01	OFF	9	7	16	2	6	24
	PF	Disease Management	01	OFF	7	9	16	4	24	44
	PF	Feeding Management	02	ON	28	1	29	1	0	30
	RY	Dairy	04	ON	25	7	32	0	0	32

		Management								
August'2021										
Crop Production	EF	ICM	01	OFF	32	3	35	5	0	40
Entomology	RY	Beekeeping	05	ON	21	11	32	0	0	32
	EF	IPM	01	OFF	25	2	27	3	0	30
Horticulture	PF	Cultivation of fruits	01	OFF	14	0	14	2	0	16
	PF	Cultivation of vegetable	01	OFF	0	0	0	1	19	20
A.Sc.	PF	Goat Farming	01	OFF	14	0	14	2	0	16
	PF	Goat Farming	01	OFF	0	0	0	1	19	20
July'2021										
Crop Production	PF	IWM	01	ON	20	0	20	5	0	25
	PF	INM	01	ON	20	0	20	7	0	27
Entomology	PF	IPM	01	OFF	21	0	21	5	0	26
	PF	IPM	01	OFF	11	2	13	16	2	31
	PF	IPM	01	ON	5	5	10	4	1	15
	EF	IPM	01	OFF	24	2	26	6	0	32
	EF	IPM in Paddy	01	OFF	24	2	26	6	0	32
	EF	IDM	01	OFF	24	2	26	7	0	33
Horticulture	PF	Cultivation of vegetable	01	ON	18	2	20	0	0	20
	PF	Nursery raising	01	ON	22	0	22	3	0	25
	PF	Cultivation of vegetable	01	ON	6	1	7	3	17	27
A.Sc.	PF	Dairy Management	01	OFF	21	0	21	5	0	26
	PF	Disease Management	01	ON	12	2	14	6	0	20
	PF	Goat Farming	01	OFF	11	2	13	16	2	31
	PF	Feeding Management of goat	01	ON	5	10	15	4	2	21
	PF	Disease Management	01	ON	6	1	7	3	17	27
June'2021										
A.Sc.	PF	Goat Farming	01	ON	12	0	12	8	0	20
	PF	Poultry Farming	01	ON	13	0	13	8	0	21
Entomology	PF	IPM	01	ON	20	0	20	0	0	20
	PF	IPM & IDM	01	ON	20	0	20	0	0	20

Horticulture	PF	Value addition	01	ON	21	0	21	3	0	24
	PF	Layout Management	01	ON	20	0	20	0	0	20
Crop Production	PF	ICM	07	ON	17	2	19	1	0	20
	PF	ICM	01	ON	45	13	58	2	0	60
	PF	RCT	01	OFF	7	0	7	14	10	31
	PF	RCT	01	ON	25	8	33	9	2	44
	PF	RCT	01	ON	16	9	25	0	0	25
	PF	RCT	01	ON	34	3	37	3	0	40
May'2021										
Entomology	PF	IPM	01	ON	20	0	20	7	0	27
	PF	IPM	01	ON	20	0	20	5	0	25
Crop Production	PF	RCT	01	ON	21	0	21	4	0	25
	PF	ICM	01	ON	19	0	19	4	0	23
Horticulture	PF	Cultivation of vegetable	01	ON	15	1	16	0	0	16
A.Sc.	PF	Goat Farming	01	ON	15	2	17	4	0	21
	PF	Dairy Management	01	ON	18	1	19	7	0	26
April'2021										
Entomology	PF	IPM	01	ON	20	6	26	2	0	28
	RY	IFS	06	ON	20	0	20	6	0	26
March'2021										
Horticulture	PF	Cultivation of vegetable	01	OFF	24	1	25	0	0	25
	PF	Cultivation of vegetable	02	ON	0	0	0	12	23	35
	PF	Nursery raising	02	ON	0	0	0	15	20	35
	PF	Value addition	02	ON	0	0	0	8	22	30
Entomology	PF	IPM	01	ON	20	4	24	1	0	25
	PF	IPM	01	ON	11	12	23	0	2	25
	RY	Beekeeping	01	ON	16	7	23	0	0	23
	RY	IFS Model	06	ON	19	0	19	6	0	25
	EF	IPM	01	OFF	23	0	23	3	0	26
	EF	IPM	01	OFF	21	0	21	2	0	23
	EF	IPM	01	OFF	23	0	23	5	0	28
February'2021										
Horticulture	PF	Cultivation of vegetable	01	ON	13	7	20	0	0	20

	PF	Cultivation of vegetable	01	ON	22	3	25	0	0	25
	RY	Cultivation of fruit	01	OFF	10	25	35	0	3	38
Entomology	PF	IPM	01	ON	19	3	22	3	0	25
	PF	IPM	01	ON	15	5	20	1	1	22
	RY	Mushroom Cultivation	01	ON	13	7	20	0	0	20
	RY	Beekeeping	01	ON	22	3	25	0	0	25
	RY	Mushroom cultivation	05	ON	10	25	35	0	3	38
	RY	Mushroom cultivation	04	ON	25	8	33	2	0	35
	EF	IPM	01	OFF	28	0	28	2	0	30
	EF	IDM	01	OFF	28	0	28	2	0	30
January' 2021										
Horticulture	PF	Protected cultivation	01	OFF	11	15	26	2	0	28
	PF	Organic Farming	01	OFF	18	4	22	2	1	25
Entomology	PF	IPM	01	OFF	23	0	23	2	0	25
	PF	IPM	01	OFF	22	0	22	3	0	25

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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Gardener		RPL Training on Gardener	10	30	0	30				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S l.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants			Sponsoring Agency
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					PF /R Y/ EF		Male			Female			Total				
							Other s	S C	S T	Other s	S C	ST	Other s	S C	ST	To tal	
December'2021																	
1	Bac kya rd Pou ltry Ma nag eme nt	Poultr y Farmi ng	De ce mb er	04	O N	01	21	1	0	8	10	0	29	11	0	40	ICAR
2	Lo w Cos t Ho usin g Mo del	Low Cost Input	De ce mb er	03	O N	01										90	BKBDP ,AFRD, GoB
3	Ma nag eme nt of Bac kya rd Pou ltry	Poultr y Farmi ng	De ce mb er	01	O N	01	26	1	0	1	2	0	27	3	0	30	BKBDP ,AFRD, GoB
November'2021																	
4	Rab i Ma haa bhi yan	Rabi Maha abhiya n	No ve mb er	04	O FF	01										80 0	ATMA, Madhep ura

5	Ver mi co mp ost	Vermi comp ost technq ue	No ve mb er	02	O FF	01	220	90	22	25	22	7	245	11 2	29	38 6	ATMA, Madhep ura
October'2021																	
6	Cul tivation of veg etab le	Scient ific cultivation of Rabi vegeta ble	Oc tob er	01	O FF	01	120	0	10	50	0	3	170	0	13	18 3	ATMA, Madhep ura
7	Cul tivation of veg etab le	Scient ific cultivation of Rabi vegeta ble	Oc tob er	01	O FF	01	140	0	10	10	0	15	150	0	25	17 5	ATMA, Madhep ura
8	IP M in veg etab le	IPM in vegeta ble	Oc tob er	01	O FF	01			50							50	AIISE COMP.
September'2021																	
9	Scientist farmers meet		Se pte mb er	02	O N	01	25	0	0	0	0	0	0	0	0	25	ATMA, Madhep ura
10	Vegeatble Production & Processing		Se pte mb er	02	O N	27	0	0	1	0	0	0	0	0	0	28	STRY
August'2021																	
11	Organic cultivation of crops		Au gu st	01	O N	38	4	0	5	3	0	43	7	0	0	50	KRIBH CO

1 2	Vermi Compost technique	Au gu st	01	O N	26	11	2	10	10	1	0	36	21	3	60	KRIBH CO
July'2021																
1 3	Weed & Water Management in Kharif Crops	Jul y	01	O FF	2	26	0	0	0	0	0	2	26	0	28	Christia n Hospital , Madhep ura
June'2021																
1 4	SRI method of paddy cultivation	Ju ne	01	O FF	01	17	9	5	0	10	0	17	19	5	41	Christia n Hospital , Madhep ura
April'2021																
1 5	Integrated Farming System	Ap ril	06	O N	01	20	5	1	0	0	0	20	5	1	26	ATMA Nawada
March'2021																
1 6	IFS Model	M arc h	06	O N	01	19	6	0	0	0	0	0	19	6	25	ATMA Nawada
February'2021																
1 7	Scientific cultivation of coconut & their value added product	Fe br uar y	02	O FF	01	0	0	0	15	0	0	15	0	0	15	CCDB, Singghe shwar
1 8	Scientific cultivation of cucurbitaceo us vegetable	Fe br uar y	01	O FF	01	250	0	0	0	0	0	250	0	0	250	ATMA, Madhep ura
1 9	Scientific cultivation of summer moong & their P.P	Fe br uar y	01	O FF	01	24	10	0	5	20	0	29	30	0	59	World vision

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	11	857	45	902	46	12	1	13	869	46	961
KisanMela	1	1425	154	1579	75	10	3	13	1435	157	1667
KisanGhosthi	1	1425	154	1579	75	10	3	13	1435	157	1667
Exhibition	0	0	0	0	0	0	0	0	0	0	0
Film Show	18	0	0	0	0	0	0	0	0	0	540
Method Demonstrations	0	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	8	0	0	0	0	0	0	0	0	0	240
Lectures delivered as resource persons	3	0	0	0	0	0	0	0	0	0	47
Advisory Services	2103	0	0	0	0	0	0	0	0	0	6602
Scientific visit to farmers field	9	1194	112	1306	76	0	0	0	1194	112	1382
Farmers visit to KVK	8	1556	294	1850	145	0	0	0	1556	294	1995
Diagnostic visits	26	4502	347	4849	677	0	0	0	4502	347	5526
Exposure visits	2	25	0	25	0	0	0	0	25	0	25
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Special Programmes (specify)											
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	04	291	21	312	21	0	0	0	291	21	333
Any Other (Specify)											
World Milk Day	01	35	4	39	12	0	0	0	35	4	51
World Zoonoses day	01	35	4	39	12	0	0	0	35	4	51
Parthenium awareness	04	85	15	100	10	0	0	0	85	15	110
Food Nutrition day	01	47	6	53	14	0	0	0	47	6	67
Poshan Vatika & Tree Plantation	01	74	51	125	0	0	0	0	74	51	125
World soil day	01	90	98	188	88	0	0	0	90	98	276
Total	2203	11641	1305	12946	1251	32	7	39	11673	1312	21665

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	35
Radio talks	0
TV talks	02
Popular articles	02
Extension Literature	
Other, if any (Books)	03

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26 th Jan.)	01	0	0	0	0	10	2	12	10	02	12
International Women's Day (8 th Mar.)	01	0	111	111	0	10	2	12	10	113	123
Ambedkar Jayanti (14 th Apr.)	0	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21 st Jun.)	01	0	0	0	0	10	02	12	10	2	12
Independence Day (15 th Aug.)	01	0	0	0	0	10	2	12	10	02	12
Parthenium Awareness Week (16 th to 22 nd Aug.)	04	85	15	100	10	0	0	0	85	15	110
Hindi Diwas (14 th Sep.)	01	0	0	0	0	0	0	0	10	2	12
Gandhi Jayanti (2 nd Oct.)	01	0	0	0	0	0	0	0	10	2	12
Mahila Kisan Diwas (15 th Oct.)	01	60	0	60	0	10	2	12	70	2	72
World Food Day (16 th Oct.)	01	31	0	31	0	5	0	5	36	0	36
Vigilance Awareness Week (27 th Oct. to 2 nd Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Unity Day (31 st Oct.)	01	41	0	41	0	10	2	12	51	2	53
World Science Day (10 th Nov.)	01	28	12	40	0	0	0	0	28	12	40
National Education Day (11 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26 th Nov.)	01	13	4	17	0	18	2	20	31	6	37
World Soil Day (5 th Dec.)	01	90	98	188	88	06	02	08	96	100	284
Kisan Diwas (23 rd Dec.)	1	32	6	38	0	2	0	0	34	2	36

D. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	26.08.2021	Food & Nutrition programme	Hon'ble AM	53	12	1	66
2	28.09.2021	Farmers scientist interaction programme CRA	Hon'ble PM	157	12	1	170

3	28.10.2021	Farmers Scientist meet DBT	Hon'ble PM	31	12	0	43
4	16.12.2021	Zero Budget”Prakritik Kheti”	Hon'ble PM	305	12	0	317

3.5 a. Production and supply of Technological products

Village seed : NOT APPLICABLE

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
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat (Rabi 2021-22)	DBW-187	92.0	400000				
	S.Shreshtha	57.0					
Paddy (Kharif 21)	R.M.-1	271.0	1400000				
	Sabour Sampann	120.5					
Grand Total		540.5	1800000				

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							
Cauliflower	Hybrid(Sweta)	2500	1250	0	0	0	0
Cabbage	Early Kunwari	2000	1000		0	0	0
	Hybrid	1000	500	0			
Tomato	0	0	0	0	0	0	0
Brinjal	Rajendra Baigan- 2	1000	500	0	0	0	0

Chilli	0	0	0	0	0	0	0
Onion	0	0	0	0	0	0	0
Others(Brocoli)	Testa Hybrid	2000 1000	1000	0	0	0	0
Capsicum	Hybrid	500	1000	0	0	0	0
Fruits							
Mango	Mango Seedling through mango stone	3000	60000	0	0	0	0
Mango Plant	Amrapali , Gulab Khas, Mallika, Jardalu & Sundar Langra	480	33600	0	0	0	0
Guava	Alahabad Safeda	50	2000	0	0	0	0
Litchi	Rose sented	529	21160	0	0	0	0
Papaya	0	0	0	0	0	0	0
Banana	0	0	0	0	0	0	0
Others(Jackfruit)	Local (Khajwa)	25	500	0	0	0	0
Dragon fruit	Red colour flesk	200	13000	0	0	0	0
Ornamental plants							
Medicinal and Aromatic	0	0	0	0	0	0	0
Plantation	0	0	0	0	0	0	0
Spices	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0
Tuber	0	0	0	0	0	0	0
Elephant yams	0	0	0	0	0	0	0
Fodder crop saplings	0	0	0	0	0	0	0
Forest Species	0	0	0	0	0	0	0
Others, pl.specify	0	0	0	0	0	0	0
Total		14284	135510	-	-	-	-

Production of Bio-Products : NOT APPLICABLE

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers						

Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows	Cross Breed	3	80000				
Buffaloes	-	-	-				
Calves	Cross Breed	5	50000				
Others (Pl. specify)	Cross Breed						
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)	-	-	-				
Fisheries							
Indian carp	-	-	-				
Exotic carp	-	-	-				
Mixed carp	-	-	-				

Fish fingerlings	-	-	-	
Spawn	-	-	-	
Others (Pl. specify)	RehuKatla	800		
Grand Total		6	120000	

3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India” : NOT APPLICABLE

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed(F/S, C/S)
Kharif 2021						
Rabi 2021						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2019				
2020				
2021				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6. (A) Literature Developed/Published (with full title, author & reference)

Item	Title	Author's name	Number	Circulation
Research paper	To access the efficacy of bio-regulator against tomato leaf curl virus under dry farming condition of south bihar	B.K Mandal, R.P Sharma & Rahul Kumar Verma	2021;10(4):453-457	
	Varietal trial of vegetable pea to induce the efficiency of farmer of district at chandauli	Shivam Singh, S.K Pandey, M.P Singh, R.K Verma, V.B Singh & P.K Singh	2021;SP-10(4):92-94	
Seminar/conference/symposia papers				
Books	Laboratory Practical Manual of soil	S.Singh,M.P Singh,S.P Vishkarama,A.Dubey,S.Kumar,J.Pathak,R,K Verma, A.Tiwari		
	संक्षेप भूमि	P.Patel,S.Bishnoi,R.Kumar,R.K. Verma,P.B. Singh, M. Baliyan	संक्षेप 1 संक्षेप 1 संक्षेपसंक्षेप 21	
Bulletins				
News letter				
Popular Articles	संक्षेप संक्षेप संक्षेप संक्षेप संक्षेप संक्षेप	R.K Verma, M.K Atal, R.K Verma, V.Kumar	Krishi Lok : 2583-0937	
	संक्षेपसंक्षेप संक्षेप संक्षेप संक्षेप संक्षेप संक्षेप	M.K Atal, R.K Verma, R.K Verma, V.Kumar	संक्षेप संक्षेप :2583-0937	
	संक्षेप : संक्षेप संक्षेपसंक्षेप संक्षेप संक्षेपसंक्षेप			

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Book Chapter				
Extension Pamphlets/ literature	□□□□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□□□, □□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□□□ □□□□□□□□	Dr. M.K Roy		
	□□□□□□□□□□□□, □□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□□□□, □□□□□□□□□□□□□□ □□□□□□□□□□□□	Dr R.P Sharma		
	□□□□ □□ □□□□ , □□□□□□ □□□□□□ □□ □□□□ , □□□□ □□□□□□	Sri R.K Verma		
	□□□□□□□□ □□□□ □□ □□□□□□□□ ,□□□□ □□□□ □□□□ □□ □□□□□□ □□□□ □□□ □□□□□□ □□□ □□□□□ □□□□□□□□, □□□□ □□□□□ ,□□□□□□□ □□□□□	Dr. Sunil Kumar		
Technical reports	Monthly progress report, AE MPR, APR, Annual accounts, Action Plan, Extension council report, SAC report etc.		12 12 01 01 01 02 01 etc	
Electronic Publication (CD/DVD etc)				
TOTAL	82			

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel: NA due to COVID

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					
2.					
3.					
4.					

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

1. Success Story of Sanchay Ranjan:

Name of farmer	Sanchay Ranjan
Address	Tola gopali, Murliganj, Madhepura
Contact details (Phone, mobile, email Id)	6204298822
Landholding (in ha.)	15 Acre
Name and description of the farm/ enterprise	Dairy Farming
Economic impact	837158
Social impact	Good
Environmental impact	Ecofriendly
Horizontal/ Vertical spread	Moderate

Brief: Sanchay Ranjan got annual income of Rs.421600 from Paddy, Wheat, Maize, etc. He faced problems like Processing etc. By the support of Scientist of KVK, Madhepura and new technology & interventions like Dairy Farming and Milk ATM machine etc., he is getting annual income of Rs.1988158. In addition, there is cost saving of Rs. 837158 in the production of Paddy Wheat, maize and dairy farming.

Photographs:



2. Success Story of Rinki Devi:-

Name of farmer	Rinki Kumari
Address	Babhangama, Bihariganj, Madhepura
Contact details (Phone, mobile, email Id)	9661985580
Landholding (in ha.)	4 Acre
Name and description of the farm/ enterprise	Mushroom & Medicinal Cultivation
Economic impact	300000
Social impact	Good
Environmental impact	Eco friendly
Horizontal/ Vertical spread	Moderate

Brief: Rinki Kumari got annual income of Rs.150000 from Paddy, Wheat, Maize, etc. She faced problems like Processing etc. By the support of Scientist of KVK, Madhepura and new technology & interventions like Mushroom Cultivation, Shatawar and Other medicinal plants etc., she is getting annual income of Rs.440000. In addition, there is cost saving of Rs. 300000 in the production of Mushroom Cultivation, Shatawar and Other medicinal plants.

Photographs:



3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year : NOT APPLICABLE

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) : NOT APPLICABLE

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

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

3.10. 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

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

Sl. No	Name of the Equipment	Qty.
1	Mini Soil Testing Kit	01

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
69	203	272

3.11.c Detail of Soil, Water and Plant analysis at KVK

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil	69	14		
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Distribution of Soil health card and training of farmers.	203	03	Dty. Director Plant Protection and Agri Engg in district and progressive farmers	203	203

3.12. Activities of Rain Water Harvesting structure and micro irrigation system

No of training programme	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)
-	-	-	-	-

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
--------------------	-------------------	------------------------	-----------------------------------

-	-	-	-
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3.14. RAWE/ FETprogramme - is KVK involved? (Y/N) : Y

No of student trained	No of days stayed
10	180

ARS trainees trained	No of days stayed
-	-

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabbhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
01.11.2021	Sri Chandrashekhar(MLA)	Krishak Vaigyanik Milan
23.02.2021	Dr. R.K Sohane (Hon'ble VC)	Krishak goshti at Reshna village

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Demo of cucurbits fruit fly trap	54	60%	29000/ha	43000/ha
Management of sheath blight	14	30%	6100/ha	13000/ha
Management of late blight of potato by Redomil Gold	16	30%	80000/ha	105000/ha
Zero tillage wheat	236	12 %	22800/ha	28550/ha
Wheat cv.HD 2967	85	48 %	22800/ha	29586/ha
Weed Management in Paddy by Pyrazosulfuron Ethyl 10WP + Bispyribac Sodium 10SC	526	9%	5580 ha	5580 ha
Balance use of Inorganic fertilizer in Hybrid maize	43	29%	64000/ha	75000/ha
Cultivation of Mentha	70	6%	45000/ha	75000/ha
Cultivation of Khas	.35	4%	65000/ha	125000/ha
INM in Mango	65	17%	Rs 45290	Rs 65110

Weed Management in jute	15	33%	Rs 49430	Rs 83430
Effect of mineral mixture in cow	46	15%	Rs 61/day	Rs 86/day
Kid mortality in goat	69	12%	Rs 60,000/100 Kids	Rs 90,000/100Kids

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Use of Borax@15 kg/ha and ZnSo ₄ @25 Kg/ha in cauliflower	15-20%Farmer use Borax and ZnSo ₄ in cauliflower for better yield and curd wt.
Use of Sulphur dose on onion@30 Kg/ha with RDF (120:100:60)	10-15% farmer use sulphur in onion
Use of pheromone traps management of fruitfly in cucurbits and vegetables	50-100 acres
Sowing of wheat through Zero Tillage Machine.	A large no. of farmers adopted cultivation of wheat through ZT Technique. Its area expand upto 1000 acres of land and every year new farmers adopted this technology.

Give information in the same format as in case studies

4.3.Details of impact analysis of KVK activities carried out during the reporting period

Sl. N o.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK

Thematic area	Mushroom Cultivation
Name of the Innovation	Mushroom cultivation
Details of Innovator	Raj Kumar
Back ground of innovation	Took training from KVK, Madhepura through Scientist and start cultivation. About 150 farmer added and they also constitute an FPO on Sabari Sudama kindly.
Technology details	Marketing
Practical utility of innovation	Sale in market through FPO

4.5. Details of entrepreneurship development

Entrepreneurship development

Name of the enterprise	Pawan Kumar
Name & complete address of the entrepreneur	Pawan Kumar Village – Basantpur, Block – Shankarpur, Dist. – Madhepura
Role of KVK with quantitative data support:	1. Took advices from KVK Scientist from time to time. 2. KVK follow up and suggest for employment. 3. KVK informed about employment vacancy on mobile. 4. Consulted to Bharat Petroleum & inform about vacancy .
Timeline of the entrepreneurship development	“Gardener’s Training change Livelihood.”
Technical Components of the Enterprise	• Preparation of different types of nursery, media (rooting). • Raising of annuals, binomials, flowering & gardening. • Grafting of Mango, Litchi & Citrus and their maintainance • Training & pruning of orchards
Status of entrepreneur before and after the enterprise	1. Survival of plants 2. Dumping & seedlings & Saplings 3. Less demand of saplings of mango, guava, litchi etc. on proper price.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He got job in Bharat Petroleum office on the post of Assistant
Horizontal spread of enterprise	He earned about Rs 15000/Month

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA, MADHEPURA	Farmer scientist interaction, Technology assessment and refinement, Farmers training, Rabi and KharifMahotsavprogramme, kisanchaupal and technical guidance
DAO, MADHEPURA	Farmer scientist interaction, Technology assessment and refinement, Farmers training, Rabi and KharifMahotsavprogramme, kisanchaupal and Technical guidance

F.E.O, MADHEPURA	Technical guidance
CHRISTIAN HOSPITAL,MADHEPURA	Training, FLD, Kisanchaupal, Technical guidance
WORLD VISION, MADHEPURA	Training, FLD Kisanchaupal, Technical guidance
JIVIKA, MADHEPURA	Training, FLD Kisanchaupal, Technical guidance etc.
NABARD	Training, kisan club formation.
SBI, S.H.G,HCDI/ICAJ	Training.
NARI VIKAS KENDRA	Training.
NEHRU YUVA KENDRA	Training..
IFFCO	Training and trail
Pragya NGO	Training..
Bihar Kosi Basin development Program	Training

5.2. List of special programmes undertaken during 2021 by the KVK, which have been financed by 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.)
Farmers Scientist interaction/validation and assessment	Training of farmers	April'2021	ATMA, Madhepura	115000.00
Training of farmers	Training of Farmers	April'2021	ATMA, Nawada	447200.00
STRY training	Training of farmers	April'2021	BAMETI, Patna	42000.00
NARI Programme	Training & other	April'2021	ATARI	50000.00
BKBDP, Bihar	Training of farmers	April'2021	GoB	916237.00
Dairy Farming	Training of farmers	April'2021	ATARI	200000.00
SCSP	Training & other	April'2021	ATARI	165500.00

(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.)

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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.	Nursery	2009	490	Mango Litchi Guava		586 350 305	15000	39890	
2.	IFS	2012	4000	Cross Breed	Milk	3361Kg	51560	1,73000	
3.	Fish	2021-22		Monosex tilapia					
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Deails of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat (Rabi 2021-22)	10 th Dec'2021	20 th April 2021	4.5	DBW 187	C/S	92.0			DSF, BAU Sabour
			4.0	S.Shresth	C/S	57.0			
				Mixture		6.5			
Paddy (Kharif 2021)	15 th July 2021	25 th Nov 2021	7.0	R. Mansoori-1	C/S	271.0			
			3.0	S.Sampann	F/S	120.5			
			0.4	Mixture		25.0			

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.	Fish Pond	Rohu and Katla	Rohu and Katla				

6.5. Utilization of hostel facilities :

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Completed

No. of staff quarters: 06

Date of completion: 05/10/2012 (SMS + Supporting staff quarter) + 02/02/2013 (P.C quarter)

Occupancy details: occupied

Months	Q I	Q II	Q III	Q IV	Q V	Q VI
	Programme Coordinator quarter (Dr. B.K Mandal, Sr Sc & Head)					
01/10/2015	SMS quarter I (Dr. M.K Roy-I/C Sr. Sc. & Head)					
	SMS quarter II (Dr. R.P Sharma, SMS-Entomology)					
01/04/2014	Supporting staff quarter I (Sri Ratan Kumar – Assistant)					
01/02/2019	Supporting staff quarter II (Sri Santosh Kumar Diwana - Driver)					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Saving A/C	SBI, ADB-3052	Madhepura	11296945385
RF Saving A/C	SBI, ADB-3052	Madhepura	11296931508

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

Item	Released by ICAR	Expenditure	Unspent balance as on -
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	Kharif	Rabi	Kharif	Rabi	
Rapeseed & Mustard	0	180000	17250.00	180000	0
Sunflower	0		0.00		0
Groundnut	0		0.00		0

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2022
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea	90000	0	90000	0	0
Lentil	0	180000	0	180000	0
Green gram	0	0	0	0	0

7.4. Utilization of KVK funds during the year 2021(Not audited)

S.N	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	12000000	10800000	9718517.16
2	Traveling allowances	72000	50000	24456
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure	23000	0	16500
	Total(Contingency)	1077000	1023150	498712
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)		0	0	0

C. REVOLVING FUND	11007172.4		
GRAND TOTAL (A+B+C)			

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2019	6508091.08			7705126.58
2020	7705126.58			8201551.3
2021	8201551.3			11007172.4

- 7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Training program	06			✓	
Rabi Mahaabhiyan	01			✓	
Farmers Scientist meet	01			✓	
Bihar Kosi Basin development program	08		✓		

8. Other 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)
Sheath Blight	Paddy	July-Aug	100	30%	Soil Treatment with cake@1q/acre
BLB	Paddy	Aug-Sep	1000	30%	Seed soaking with streptocycle@1.0gm/lit. for 20 min. before sowing
Aphid	Mustard	Dec-Jan	1000	25-35%	Early sowing escape the aphid infestation
Late blight of potato	Potato	Dec- Jan	10000	30-50%	Regular spray of mancozeb@2.5gm/lit. from last Dec at 15 day interval

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)
PPR	Goat		1-2%	Mass	
FMD	Cattle		1-2%	Mass	

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

9.3. **mKisan**Portal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	-	-
Livestock	-	-
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	-	-
Training information	-	-
Other	195	519058
Total	195	519058

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	-
2.	No. of farmers registered in the portal	15000
3.	Mobile Apps developed by KVK	-
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	Packages of Practices on Crop/Livestock & other is 14
7.	No. of times downloaded	1126 events uploaded on KVK Portal

9.5 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
1.	Crop Production, Entomology, Horticulture, Animal Science	2103	2103	6602

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
17.08.2021	Celebration of Swachhta Pakhwada	12	42	0	54
19.08.2021	Parthenium awareness programme cum Swachhta Pakhwada	12	38	0	50
06.10.2021	Cleanliness of office	12	88	0	100
16.12.2021	Cleanliness of office temple	26	132		158

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	477	23000
2. Basic maintenance	10	
3. Sanitation and SBM	10	
4. Cleaning and beautification of surrounding areas	6	
5. Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	10	
6. Used water for agriculture/ horticulture application	0	
7. Swachhta Awareness at local level	12	
8. Swachhta Workshops	0	
9. Swachhta Pledge	1	
10. Display and Banner	10	
11. Foster healthy competition	0	
12. Involvement of print and electronic media	0	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
14.No. of Staff members involved in the activities	15	
15. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)	0	

Total	556	23000
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9.7. Observation of National Science day : NOT APPLICABLE

Date of Observation	Activities undertaken

9.8. Programme with SeemaSurakshaBal/ BSF : NOT APPLICABLE

Title of Programme	Date	No. of participants

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
P.B. World School	3.4.2021	Identification of Duck, Kids, Calf, cow, fish pond & the whole KVK farm	Thorough field visit of KVK, Madhepura farm
Kiran Public School, Madhepura	11.4.2021	Identification of crop components & IFS Model	Thorough crop cafeteria visit

Give good quality 1-2 photograph(s)

9.10. Details of 'Pre-Rabi Campaign' Programme : NOT APPLICABLE

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)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

9.11. Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages	No. of Particip	No. of VIPs	Name (s) of VIP(s)
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		Involved	ants		
1	Cleaning & Sanitization of Office premises and others	10	333		

9.12. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Group discussion, Training etc.	4	96		

9.13. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Jyoti Mandal	Village- Bakhri 8292903269	Fish Farming
2	Sri Dharmendra Kumar	Village- Aurahi 8298608419	Medicinal & Aeromatic
3	Sri Samit Kumar	Village-Telwara 9709317724	Layer Farming
4	Sri Shiv Shankar Mehta	Village – Hasanpura 9572791389	Vegetable grower

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Seed Production	757849.00	KVK, Madhepura
2.	Kisan Ghar Charge	106512.00	KVK, Madhepura
3.	IFS	20000.00	KVK, Madhepura
4.	Milk Production	133194.00	KVK, Madhepura
5.	Horticulture unit	54150.00	KVK, Madhepura

9.15. Resource Generation:

S.N.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
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1	Validation & assessment/Farmers scientist interaction	Training & others	ATMA, Madhepura	115000.00	Training & others
2	Training	Training	ATMA, Nawada	447200.00	Training
3	STRY Training	Training	BAMETI, Patna	42000.00	Training
4	Bihar Kosi Basin development programme	Training of farmers under Kosi region	Govt. of Bihar	916732.00	Training
5	CRA Program	Trials	Govt. of Bihar	3745000.00	Trials
6.	Makhana Development Scheme	Training of Makhana grower	Govt. of Bihar	50000.00	Training
7.	CIMMYT collaborative project – CSISA & ICAR	Trials	CIMMYT	100000.00	Trials

9.16. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2008	ICAR	Non Functional

9.17. 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

10. Report on Cereal Systems Initiative for South Asia (CSISA)

a) Year: 2021

b) Introduction / General Information:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
...						
..						
Others (If any)						

CSISA (Cereal systems initiative for South Asia)

The following trials have been conducted during Kharif 2021 :-

1. Title :Direct seeded rice under *Vattar* conditions (after pre-sowing irrigation or equivalent pre-monsoon rains)

Objective: TO use stale bed technique for efficient crop establishment under DSR and thereby increasing the productivity.

Treatment Details :

Set I	
T1	Pre-sowing irrigation (Vattar) fb fine seed bed preparation fb one irrigation 15 days after sowing
T2	Pre-sowing irrigation fb fine seed bed preparation fb one irrigation 3 week after sowing
T3	Manual transplanting as standard check
Set II	
T1	Without pre-sowing irrigation fb fine seed bed preparation and sowing fb irrigation immediately after sowing
T2	Without pre-sowing irrigation fb fine seed bed preparation and sowing fb irrigation 15 days after sowing
T3	Manual transplanting as standard check

Date of Sowing : 05th June to 21st July 2021

Replication : 10

Result :Data submitted

2. Title :Weed management in direct seeded rice.

Objective : To develop cost effective weed management strategy to improve the productivity and profitability under DSR.

Treatment Details :

T1	Two manual weeding at 15-20 and at 30-35 days after sowing (DAS)
T2	Tank mix of Bispyribac + pyrazosulfuron at 20+20 gm a.i./ha at 15-25 DAS + One spot hand weeding as needed

T3	Tank mix of Vivaya (premix combination of Penoxulam + cyhalofop) + Almix at 2-4 leaf stage at 15-25 DAS + one spot hand weeding
T4	Premix combination of Triafamone + ethoxysulfuron (Council active, 60 g ai/ha) at 2-3 leaf stage at 15-20 DAS + one spot hand weeding
T5	Tank mix of fenoxaprop (Ricestar, 90 gai/ha) + ethoxysulfuron (15 g ai/ha) at 2-4 leaf stage at 15-25 DAS + one spot hand weeding.

Date of sowing :03rd June to 20 July 2021

Replication : 10

Result :Data submitted

3.Title : Effect of rice crop establishment methods on the growth and yield of wheat.

Objective :

Treatment Details :

T1	Vattar Direct seeded rice followed by zero tillage wheat.
T2	Transplanted rice followed by zero tillage wheat.

Date of sowing :3rd June to 20th July 2021

Replication : 05

Result :Data submitted

4.Title : Reducing seed rate in rice through Rice Nursery Enterprise

Objective :Through different number of seedling

Treatment Details :

T1	7.5-acre area transplanted from 0.5 acre of rice nursery (12 kg seed rate per acre, 3 seedlings per hill with spacing of 20 cm x 15 cm).
T2	15-acre area transplanted from 0.5 acre of rice nursery (6 kg seed rate per acre, 2 seedlings per hill with spacing of 20 cm x 15 cm).
T3	30-acre area transplanted from 0.5 acre of rice nursery (3 kg seed rate per acre, 1 seedling per hill with spacing of 20 cm x 15 cm).

Date of sowing :Nursery raising : 5th June to 15th July 2021& Transplanting : 5th July to 20th July)

Replication : 10

Result :Data submitted

The following trials have been conducted during Rabi 2021-22 :-

Experiment 1 :

Title (KVK -1): Performance of short duration (SDVs) and long duration varieties (LDVs)

under different sowing schedules across ecologies

.Objective: Comparative study of yield performance of Cv. Recommended for timely sown with Cv. Recommended for early / late sown conditions under early / late conditions.

Treatment Details :

Set A: (HD 2967/HD2733)

1. Zero tillage wheat 1 to 10th November : (LD ZT 01-10th Nov) : 1101 to 1110
 2. Zero tillage wheat 11 to 20th November : (LD ZT 11-20th Nov) : 1201 to 1210
 3. Zero tillage wheat 21 to 30th November : (LD ZT 21-30th Nov) : 1301 to 1310
 4. Zero tillage wheat 1 to 15th December : (LD ZT 01-15th Dec) : 1401 to 1410
 5. Zero tillage wheat 16 to 31st December : (LD ZT 16-31st Dec) : 1501 to 1510
- Set B: (PBW 373/HD 2985/HI 1563)
6. Zero tillage wheat 21 to 30th November : (SD ZT 21-30th Nov) : 1601 to 1610
 7. Zero tillage wheat 1 to 15th December : (SD ZT 1-15th Dec) : 1701 to 1710
 8. Zero tillage wheat 16 to 31st December : (SD ZT 16-31st Dec) : 1801 to 1810

Date of Sowing : 03 Nov. to 20 Dec. 2021

Replication : 10

Result :Data submitted

Experiment 2 :

Title (KVK- 2): Assessing the role of additional irrigation during terminal heat stress period during grain filling stage to beat the heat stress and its effect on wheat productivity
Objective: To quantify the gains in wheat productivity from additional irrigation given at dough stage of wheat. To understand the impact of last irrigation on the lodging of wheat.

Treatment Details :

Set A: (ZT)

- 1 With additional irrigation during terminal heat stress at grain filling stage:
- 2 Without additional irrigation:

Set B: (CT)

- 1.With additional irrigation during terminal heat stress at grain filling stage:
- 2.Without additional irrigation:

Date of Sowing :02 to 20 Dec. 2021

Replication : 10

Result :Data submitted

Experiment 3 :

Title (KVK- 3) : Response of Wheat to Fertilizer Phosphorus applied in both Rice & Wheat and only in Wheat in Rice-Wheat Rotation
Objective: To assess the potential of phosphorous applied only in one crop compared to both crops.

Treatment Details :

1. NPK (Wheat 120:60:40-Rice 100:60:40) : 311 to 315
2. NPK (Wheat 120:60:40-Rice 100:00:40) : 321 to 325
3. NPK (Wheat 120:60:40-Rice 100:00:50) : 331 to 335 (Madhepura only)

Date of Sowing : 02 Nov. to 20 Dec. 2021

Replication : 10

Result :Data submitted

11. Details of TSP : NOT APPLICABLE

a. Achievements of physical output under TSP during 2021

Sl.	Activities	Physical Achievement	
		No. of Trainings/Demos	No. of beneficiaries
1)	Trainings		
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 (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

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 2017-18

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

12.Details of SCSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	06	46
b.	Women		174
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		01	100
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)	50	
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.)		

13. Progress report of NICRA KVK (Technology Demonstration component) during the period
(Applicable for KVKs identified under NICRA) :**NOT APPLICABLE**

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

Capacity building

Thematic area	No of Courses	No of beneficiaries			
		SC	ST	Other	Total

		M	F	M	F	M	F	M	F	T

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST	Other				Total		
		M	F	M	F	M	F	M	F	T

Detailed report should be provided in the circulated Performa

14.a) Awards/Recognition received by the KVK in year 2021 : NOT APPLICABLE

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose

b) Award received by Farmers in year 2021 : NOT APPLICABLE

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority

15. Any significant achievement of the KVK with facts and figures as well as quality photograph

16. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	OUSE FARMERS PRODUCER COMPANY LTD.	U01100BR-2019 PTC041836	25 TH APRIL 2019 VILLAGE – BAKHARI, SINGHESHWAR (MADHEPURA)	To provideseed, fertilizer etc. Purchasefarmer s produce Cultivation & Marketing of	Aromatic Oils, Food Grains	412		

				aromatic plants & food grains				
2	BABA NIRMAL DAS			Vegetable grower		446		
3	SABRI SUDAMA			Mushroom cultivation		255		

17. Integrated Farming System (IFS)

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	Cow unit	0.4	Milk	50000	12000	20	0.5%
2	Pond		Fish	10000	45000		
3	Vermi compost pit		compost	2500	18000		

B) Activities under IFS : NOT APPLICABLE

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.							
2.							
3.							

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Zero tillage	*Reduce cost of cultivation upto 7500 *Yield increased due to early sowing of wheat.	38000	69	
2	Cultivation of Aromatic crops like Khas	*Income by cultivation of khas 7.32 times of Existing Cropping Pattern (1 acre) Rice-Wheat-Green Gram cropping system or 3.25 times of Rice – Rabi Maize cropping	250000	19	

		system			
3	Weed management	Weed management in Paddy by use of Pyrazosulfuran + Bispyriback at 20+20 gram a.i. /ha. at 15-25 DAS/DAT	2100	325	
4	Use of Spinosad	Use of Spinosad 45 SC @ 1ml/5 liters for the control of Cob borer	4000	350	

19. 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 (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

20. Information on Visit of Ministers 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)
01.11.2021	Sri Chandrashekhar	Hon'ble MLA	Farmers Scientist meet

21. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019, 2020 and 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
Bihar Skill Development Mission							
2017-18	Gardener	Dr. Sunil Kumar Singh	15.11.2017	12.01.2018	30	Y	
2019	Gardener	Dr. Mithilesh Kumar Roy	15/03/2019	30/05/2019	30	Y	
2019	Gardener	Sri R.K Verma & Dr.	15.03.2019	30.05.2019	30	Y	

		R.P Sharma					
2021	Vermi compost	Dr Sunil Kumar & Sri Mritunjay Kumar	15.01.2021	22.02.2021	30	Y	
Recognition of prior Learning							
2021	Mushroom grower	Dr. R.P Sharma	15.03.2021	25.03.2021	30	Y	
2021	Gardener	Sri R.K Verma & Dr. R.P Sharma	06.12.2021	18.12.2021	30	Y	
ASCI skill							
2019	Mushroom grower	Dr. R.P Sharma			20	Y	
2019	Bee keeping	Dr. R.P Sharma			20	Y	

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs.**, if any) if undertaken during 2021

Thematic area of training	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	

22. Information of NARI Project(if applicable) : NOT APPLICABLE

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

Progress Information of NARI Project

a. Details of established Nutrition Garden in Nutri-Smart village : NOT APPLICABLE

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.		Backyard/Kitchen garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

b. Details of Bio-fortified crops in Nutri-Smart village : NOT APPLICABLE

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

c. Value addition in Nutri-Smart village :NOT APPLICABLE

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

d. Training programmes in Nutri-Smart village : NOT APPLICABLE

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

e. Extension activities under NARI Project : NOT APPLICABLE

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

23. Activities under KSHAMTA : NOT APPLICABLE

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

24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

[illegible][illegible][illegible][illegible]

	NADEP Pit established											
	Farm implements distributed											
	Others, if any											

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted									Any other, if any (pl. specify)
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	

25. Any other programme organized by KVK, not covered above :

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	World Tree Plantation	16.07.2021	KVK	On campus Training	33
2	Kisan Diwas	23.12.2021	Parsi	Training	96
3	Krishak Goshthi	14.03.2021	MBAC, Agwanpur	Goshthi	1000
4	Poshan Week	04.09.2021	KVK	Training	38
5	Kosi Kisan Mela	08.03.2021		Exhibition	280

26. Good quality action photographs of overall achievements of KVK during the year (best 10)



One district one product achievement program



Parthenium awareness week celebration



Farmers Scientist interaction



Food Nutritional awareness week



STRY Training



Swachhta Pakhwada



Food and Nutrition day live telecast



Poshan Vatika cum Tree plantation



Exposure visit of RAWE students



One day workshop at FPO, Madhepura
