PROFORMA FOR ANNUAL REPORT 2022 (1st January-31st December2022)

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)

S. N.	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	UR
5.	Subject Matter Specialist	Sri Rahul Kmar Verma	SMS (Horticulture)	Horticulture	15600-39100(5400)	30/09/2014	Permanent	UR
6.	Programme Assistant	Smt. Rubi Kumari	P. A. (Lab Tech)	Lab Technician	9300-34800(4200)	29/10/2012	Permanent	SC
7.	Computer Programmer	Smt. Neha Kumari	P. Assistant (Computer)	Computer	9300-34800(4200)	14/05/2013	Permanent	RCF
8.	Farm Manager	Sri Mritunjay Kumar	Farm Manager	Management	9300-34800(4200)	08/11/2012	Permanent	OBC
9.	Accountant / Superintendent	Sri Ratan Kumar	Assistant		9300-34800(4200)	12/04/2013	Permanent	OBC
10.	Stenographer	Sri Bikas Kumar	Stenographer		5200-20200(2400)	26/06/2013	Permanent	OBC
11.	Driver	Sri Santosh Kr. Diwana	Driver		5200-20200(2000)	18/05/2015	Permanent	OBC
12.	Driver	Sri Sanjay Kumar	Driver		5200-20200(2000)	10/06/2015	Permanent	OBC
13.	Supporting staff						Vacant	
14.	Supporting staff						Vacant	

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					Yes	-	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					Yes	-	In Use	RAU Pusa
8	Farm godown					Yes	-	In Use	RAU Pusa
9.	Dairy unit					Yes	-	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					Yes	-	In Use	
15.	Soil test Lab					Yes	-	In Use	
16	Others, Please Specify					Yes	-	In Use	
a	Seed sale centre					Yes	-	In Use	
b	Generator cum store					Yes	-	In Use	
c	Threshing floor cum cover godown					Yes	-	In Use	
d	Vegetable Unit					Yes	-	In Use	
E	Oil distillation unit					Yes	-	In Use	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	6,74,300.00	23990	In Condition
Honda new (Bike)	2015	60,000.00	916	In Condition
Hero Pro (Bike)	2015	60,000.00	4305	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	20/03/2009	6000	In Condition	KVK Fund

attachment (1)				
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
Electrice Motar	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 Conff.

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 trailor	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.	20.07.2021	53			Conducted

**** Salient recommendation of SAC in bullet form***
Attach a copy of SAC proceedings along with list of participants

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30. श्री किशन कुमार, टी.ए. जलवायु अनुकूल कृषि कार्यक्रम, □□.□□.□□□□□□ ,□□□□□□□ |
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38. राज कुमार, प्रगतिशील कृषक, कुमारखंड, मधेपुरा |
39. नितीश कुमार, प्रगतिशील कृषक, तमोट परसा, मुरलीगंज, मधेपुरा |
40. राजाराम यादव, प्रगतिशील कृषक, रतनपूरा, मधेपुरा |
41. प्रियंका कुमारी, प्रगतिशील कृषक, साहुगढ़, मधेपुरा |
42. गणिता कुमारी, प्रगतिशील कृषक, विशनपुर अरार, ग्वालपाड़ा, मधेपुरा |
43. उमेश मोदी, प्रगतिशील कृषक, परवा नवटोल, मुरलीगंज, मधेपुरा |
44. अरविन्द कुमार सिंह, प्रगतिशील कृषक, धुरगाँव, मधेपुरा |
45. चंदन कुमार झा, प्रगतिशील कृषक, सिंगारपुर, उदाकिशुनगंज, मधेपुरा |
46. चंदेश्री यादव, प्रगतिशील कृषक, भतखोरा, मुरलीगंज, मधेपुरा |
47. बिनोद साह, प्रगतिशील कृषक, रेशना, ग्वालपाड़ा, मधेपुरा |
48. अनिल यादव, प्रगतिशील कृषक, जयराम परसी, ग्वालपाड़ा, मधेपुरा |
49. संचय रंजन, प्रगतिशील कृषक, गोपाली टोला, मधेपुरा |
50. अमित कुमार, प्रगतिशील कृषक, अर्रहा, मधेपुरा |
51. अनार देवी, प्रगतिशील कृषक, जीवछपुर, मधेपुरा |
52. अनिलेश साह, क्रिश्चन हॉस्पिटल, मधेपुरा |
53. उमेश प्रसाद यादव, क्रिश्चन हॉस्पिटल, मधेपुरा |

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2.a.District level data on agriculture, livestock and farming situation (2022)

<table>
<tr><th>S.N.</th><th>Items</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Rice based Farming system, Paddy –wheat-moong, paddy-Maize-Jute, paddy-maize-summer vegetables, paddy-maize-summer moong</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>North East Alluvial Plain. The Climate of this district is sub-tropical can be classified as humid to sub humid.</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>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 chaur.</td></tr>
<tr><td>4</td><td>Soil type</td><td>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.</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>
<table>
<tr><th>Crop</th><th>Area (ha.)</th><th>Production (Qt)</th><th>Productivity (Qt.) /ha)</th></tr>
<tr><td>Rice</td><td>69.27</td><td>169.57</td><td>2448</td></tr>
<tr><td>Maize</td><td>43.85</td><td>269.85</td><td>61.54</td></tr>
<tr><td>Linseed</td><td>65</td><td>487.00</td><td>7.50</td></tr>
<tr><td>Sunflower</td><td>178</td><td>1780.00</td><td>10.00</td></tr>
<tr><td>Wheat</td><td>38.67</td><td>97.89</td><td>2531</td></tr>
<tr><td>Maize **</td><td>43.85</td><td>269.85</td><td>6154</td></tr>
<tr><td>Rice (Summer)</td><td>305</td><td>6954</td><td>22.80</td></tr>
<tr><td>Barley</td><td>37</td><td>231</td><td>5.76</td></tr>
<tr><td>Gram</td><td>438</td><td>2737</td><td>6.25</td></tr>
<tr><td>Pea</td><td>495</td><td>3093</td><td>6.25</td></tr>
<tr><td>Lentil</td><td>1857</td><td>11600</td><td>6.20</td></tr>
<tr><td>Rai</td><td>5000</td><td>37500</td><td>7.50</td></tr>
<tr><td>Linseed</td><td>1800</td><td>18000</td><td>10.00</td></tr>
<tr><td>Sunflower</td><td>245</td><td>1531</td><td>6.25</td></tr>
<tr><td>Summer moong</td><td>1361.38</td><td>64000</td><td>7.521</td></tr>
<tr><td>Pulses</td><td>21.60</td><td>13.00</td><td>602</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity</td><td>
<table>
<tr><th colspan="6">Weather Data (Non working condition)</th></tr>
<tr><th>Month</th><th>Rainfall(mm)</th><th colspan="2">Temperature^{0}C</th><th colspan="2">Relative Humidity(%)</th></tr>
<tr><th></th><th></th><th>Maximum</th><th>Minimum</th><th>Morning</th><th>evening</th></tr>
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		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					

		Category	**Population**	**Production**	**Productivity**	**Category**
7	Production of major livestock products like milk, egg, meat etc.	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 (2022)

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&FLDon 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 virdae, 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 virdae, 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 virdae, 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 virdae, 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 2022) for its development and action plan

Name of village	Block	Action taken for development
Reshana, Jhitkiya, Bishanpur Arar, Kolhauta, Jayramparsi	Gwalpada	Conducting OFT, FLD, CFLD, CRA Programme, Kisan Choupal, Training and Other Extension Activity

2. d. 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 varietes& 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 2022

OFT				FLD			
No. of technologies tested:				No. of technologies demonstrated:			
Number of OFTs		Number of farmers		Number of FLD		Number of farmers	
Targ	Achi	Ta	Achievement	Targ	Achi	Ta	Achievement

et	evement	rget	SC		ST		Others		Total			et	evement	rget	SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
10	14	100	108									10	16	200	260								

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	T					M	F	M	F	M	F	M	F	T
140	142	3500	443	563	4427	551	4870	1308	5984	20	22	2000	2309									

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	
Kharif - 315 qt. Paddy Rabi - 170 qt. Wheat	Kharif – 320 qt. (Paddy) Rabi – 152 qt. (Wheat)	Seedling- 300 Mango – 2000 Guava– 200 Litchi - 200	Cauliflower – 5000 Cabbage– 5000 Brinjal – 5000	Mango- 2000 grafted Jackfruit – 50 Dragon Fruit - 1000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement

*** Give no. only in case of fish fingerlings**

3.1.1Achievements on technologies assessed and refined

OFT-1 (Agronomy)

1.		**Assessment of herbicide in greengram during Summer 2022.**
2.	Title of On farm Trial	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 deteriotion 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	No. of trials	Parameters						
		Plant Population/ m2	Plant ht. (cm)	Primary branches (No.)	Secodary branches (No.)	Pods per Plant	No. of grain /Pod	1000 grain wt. (gm)
Farmers practice : One hand weeding	**8**	36	71.38	7	8	34	10.5	46.75
Techn. Option I : Pendimethalin 30EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE) @ 40g ai./ha at 20-25 DAS		34	85.75	5.5	6	47	11.65	47.25
Techn. Option II : Pendimethalin 30 EC(PE) @ 1kg ai/ha at 0-3 DASfb.Imazethaper (PoE)@ 60g ai./ha at 20-25 DAS.		34	90.17	6	7.5	54	11.72	48.6
Sem(+)		6.08	0.67	0.25	0.29	2.47	0.42	2.05
CD(P=0.05)		NS	NS	0.91	1.04	8.71	NS	NS
CV(%)		39.04	12.25	10.74	10.99	16.51	10.1	11.52

Technology Options	Weed density 30 DAS	Weed density at 45 DAS	Grain Yield (qt/ha)	Cost of cultivation (Rs)	Gross return(Rs)	Net return (Rs/ha)	B C ratio
Farmers practice	18.5	25.2	5.02	15250	32630	17380	2.14
Tech. Option I	14.35	15.5	9.25	25582	60125	34543	2.35
Tech. Option II	10.45	11.34	9.75	26633	63375	36742	2.38
Sem(+)	0.68	1.03	0.58		3649.39	2117.6	0.11
CD(P=0.05)	2.41	3.65	2.06		12874	7681.9	NS
CV(%)	10.81	13.01	22.71		22.32	23.93	13.43

Rate : Grain @ Rs.6500/qt.

Result : Results revealed that all yield attributing characters was found non significant except primary branch,Secondary branch and pod per plant.Significantly higher grain yield (9.25q/ha),Gross return (Rs.60125/ha) ,Net return (Rs.34543/ha) at cost of cultivation (Rs.25582/ha) were recorded inTechn. Option I, Pendimethalin 30EC(PE) @ 1kg ai/ha at 0-3 DAS fb.Imazethaper (PoE) @ 40g ai./ha at 20-25 DAS with non-significant B:C ratio 2.3 however weed density significantly reduced in technology option II at higher dose application of Imazethaper (PoE) @ 60g ai./ha .Hence,Techn. Option I, Pendimethalin30EC(PE) @ 1kg ai/ha at 0-3 DAS fb.Imazethaper (PoE) @ 40g ai./ha at 20-25 DAS may be recommended to the farmers in all respect of yield and economics.

OFT-2 (Agronomy)

1	Title of On farm Trial	Weed Management in transplanted Finger Millet
2	Problem diagnosed	Weed Management in Finger Millet
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice:** Hand weeding **T.O. I :** Control (No.herbicide application) **T.O.II :** Post emergence application of Bispyribac sodium @ 20g. ai/ha **T.O.III :** Pre-emergence application of Pendimethalin @ 1kgai/ha fb POE Bispyribac sodium @ 20g. ai/ha **T.O.IV :** Pre-emergence application of Pretilachlor @ 1kgai/ha fb PoE Bispyribac sodium @ 20g. ai/ha Date of transplanting : 15-30 July 2022,Seed rate 8 Kg/ha,Spacing : 20X20 cm
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Development of millet agro-technique in Bihar (State Non plan project, DR/SNP/NRM/2019-9)
5	Production system and thematic area	Rice -Wheat system,Weed Management
6	Performance of the Technology with performance indicators	1.No.of weeds(m^{-2}), 2.weed dry wt. (m^{-2}), 3.Grain yield (qha^{-1}), 4.Straw yield(qha^{-1}), 5.Economics : Cost of cultivation (Rs/ha), Gross return (Rs/ha), Net return (Rs/ha),B:C ratio
7	Final recommendation for micro level situation	Maximum yield recorded in application of Pretilachlor 50 EC @ 0.75 kg /ha as PE at 0-3 DAT fb Bispyribac Sodium 10 SC @ 20g.a.i./ha as PoE at 15-25 DAT which was at par with application of Pendimethalin 30EC @ 1 kg /ha as PE at 0-3 DAT fb Bispyribac Sodium 10 SC @ 20g.a.i./ha as PoE at 15-25 DAT.

8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	

Thematic area: Weed Management

Problem definition: Weed Management in Finger Millet

Technology assessed: Weed Management in transplanted Finger Millet

Table 1 : Effect of Weed Management Practices on growth & yield attributing characters of transplanted Finger Millets

Technology Options	No. of trials	Parameters					
		Plant height (cm)	Number of tillers hill-1	No of ear m^{-2}	No of finger ear-1	Finger length (cm)	Test weight (g)
Farmers practice : Hand weeding	6	132.00	7.58	126.00	**8.54**	**8.86**	4.89
T.O. I : Control (No.herbicide application)		104.00	3.46	90.00	**5.21**	5.43	3.98
T.O.III : Pre-emergence application of Pendimethalin @ 1kgai/ha fb POE Bispyribac sodium @ 20g. ai/ha		114.25	5.64	108.00	**7.25**	8.34	4.53
T.O.III : Pre-emergence application of Pendimethalin @ 1kgai/ha fb POE Bispyribac sodium @ 20g. ai/ha		127.00	6.57	108.00	**9.15**	8.59	4.81
T.O.IV : Pre-emergence application of Pretilachlor @ 1kgai/ha fb PoE Bispyribac sodium @ 20g. ai/ha		130.00	7.15	126.00	**9.45**	8.74	4.85
SEm ±		3.72	0.31	4.67	0.19	0.15	0.11
CD (P=0.05)		10.98	0.91	13.77	0.56	0.45	0.31

Table 2: Effect of weed management practices on yield and economics of transplanted finger millet

Technology Options	**Grain yield (qha-1)**	Stover yield (qha-1)	**Cost of Cultivation Rs/ha**	**Gross return (Rs/ha)**	**Net return (Rs/ha)**	**B:C ratio**
Farmers practice	31.48	60.77	77295	157417	80122	2.04
Techn. Option I	18.69	34.46	71795	93129	21334	1.30
Techn. Option II	27.54	51.32	74395	137226	62831	1.84
Techn. Option III	29.01	52.57	76733	139816	63083	1.82
Techn. Option IV	30.79	57.57	76395	151493	75098	1.98
Sem (±)	0.81	1.27		3341	3341	0.04
CD at 5%	2.39	3.77		9924	9924	0.13

Table 3: Efficacy of weedicide in transplanted Finger Millet.

Technology Options	No of weed m-2	dry weight (g m-2)	WCE Popu	WCE ON DRY	Av.WCE	Weed Index(WI)
Farmers practice	104.57	55.56	54.86	55.21	0.00	104.57
Techn. Option I	235.28	0.00	0.00	0.00	0.00	235.28
Techn. Option II	66.28	71.83	71.01	71.42	12.53	66.28
Techn. Option III	60.81	74.16	73.15	73.66	7.86	60.81
Techn. Option IV	64.22	72.71	71.32	72.02	2.19	64.22
Sem (±)	2.61					2.61
CD at 5%	7.75					7.75

. **Rate** : **Grain : Rs.5000/q**

Table 3:Effect of weed management practices on weed population (no of weed m^{-2}) of transplanted finger millet at 60 DAT

Technology Options	No of weed (m-2)	dry weight (g m-2)	WCE Popu	WCE ON DRY	Av.WCE	Weed Index(WI)
Farmers practice	228	104.57	55.56	54.86	55.21	104.57
Techn. Option I	501	235.28	0.00	0.00	0.00	235.28
Techn. Option II	145	66.28	71.83	71.01	71.42	66.28
Techn. Option III	134	60.81	74.16	73.15	73.65	60.81
Techn. Option IV	144	64.22	72.71	71.32	72.01	64.22
Sem (+)	5.45	2.61				2.61
CD at 5%	16.18	7.75				7.75

Result : Data depicted in the table indicates that application of Pretilachlor @1000 g ai ha^{-1}/ Pendimethalin @750 g ai ha^{-1} as pre-emergence *fb* Bispyribac sodium @ 20 g ai ha^{-1} as post-emergence gave higher yield, net return and B:C ratio of transplanted finger millet

OFT-3 (Agronomy)

1	Title of On farm Trial	Improvement of Nitrogen use efficiency in Wheat
2	Problem diagnosed	Excessive use of chemical fertilizer and spiralling price of urea leads to increase in cost of cultivation
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice:** RDF (100:40:20) kg/ha **T.O. I :** 50%of RDN & 100% PK+nano urea@4ml/lit. water (single spray at pre flowering stage35 DAS) **T.O.II :** 50%of RDN & 100% PK + 2 spray of Nano urea at (25- 30 DAS) and (60-65 DAS) @ 4 ml/lit water(Timely sown variety at BAU, Sabour) under Rice wheat cropping system.
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT finalization held on 01-03 Sep. 2022 committee member of house as per proceeding on dated 22.09.2022 ATARI, Patna
5	Production system and thematic area	Rice –wheat –Moong , Rice-Rabi maize and Nutrient Management
6	Performance of the Technology with performance indicators	Soil data,Harvest index, Yield attributing Characters, Yield & Economics

7	Final recommendation for micro level situation	Crops in Standing Stage
8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	

Thematic area: Weed Management

Problem definition: Excessive use of chemical fertilizer.

Technology assessed: Improvement of Nitrogen use efficiency in Wheat

Result : Crops in Standing stage

OFT-4 (Agronomy)

1	Title of On farm Trial	Integration of fertilizer in different form on yield of lentil.
2	Problem diagnosed	Injudicious use of chemical fertilizer.
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice:** Seed Treatment + RDF (20 : 40-50) kg/ha,RDF of BAU,Sabour. **T.O. I :** 50%of RDF + WS (18 : 18 : 18) @ 5 gm /lt.water (single spray at pre flowering) **T.O.II : :** Seed Treatment with PSB + Rhizobium 50%of RDF + WS(18:18:18)@5 gm/lt.water (single spray at pre flowering)
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT finalization held on 01-03 Sep. 2022 committee member of house as per proceeding on dated 22.09.2022 ATARI, Patna
5	Production system and thematic area	Rice –wheat –Moong , Rice-Rabi maize and Nutrient Management
6	Performance of the Technology with performance indicators	(i) 10 m X 10 m^2 , (ii) Soil data, (iii) NPK,No. of plants /m^2 ,No. of pod/plant,1000 grain wt.(gm),Grain & stover yield and (iv) Economics , index, Yield attributing Characters, Yield & Economics
7	Final recommendation for micro level situation	Crops in Standing Stage
8	Constraints identified and feedback for research	

9	Process of farmers participation and their reaction	

Thematic area: Weed Management

Problem definition: Injudicious use of chemical fertilizer.

Technology assessed: Integration of fertilizer in different form on yield of lentil.

Result : Crops in Standing stage

OFT-5 (Agronomy)

1.	Title of On farm Trial	Diversification of Rice based cropping system.
2.	Problem diagnosed	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice –** Rice-wheat (Prominent cropping system of district) **T.O I** – Rice- Rabi Maize + Potato **T.O II** – Rice- Rabi Maize + vegetable pea **T.O III** – Rice- Wheat- Green gram
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT finalization held on 01-03 Sep. 2022 committee member of house as per proceeding on dated 22.09.2022 ATARI, Patna
5.	Production system and thematic area	Rice –wheat –Moong , Rice-Rabi maize and Nutrient Management
6.	Performance of the Technology with performance indicators	Soil data before and after (pH,EC,OC,NPK),Yield data ,No.of effective tillers/m^2,Length of earhead(cm),No.of grain per earhead,1000 grain wt.(gm),Grain (q/ha) , Straw yield (q/ha) and Economics.
7.	Final recommendation for micro level situation	Crops in Standing Stage
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Crop Diversification

Problem definition:

Technology assessed: Diversification of Rice based cropping system

Result : Crops in Standing Stage

OFT-6 (Horticulture)

1	Title of On farm Trial	Evaluation of different control measure in the management of bacterial wilt of brinjal.
2	Problem diagnosed	Wilting of brinjal in koshi region due to bacterial wilt disease
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, Virdae 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)	GBPUA&T , Pantanagar
5	Production system and thematic area	Small production system (Paddy –vegetable) & INM
6	Performance of the Technology with performance indicators	Plant height (cm), fruits wt (g) ,wilting percentage , yield (q/ha) and B:C .
7	Final recommendation for micro level situation	Seedling dip treatment @25 ppm streptocycline+ 2 spray of streptocycline. is suitable for farmers in respect to control wilting
8	Constraints identified and feedback for research	Wilting is a major problem in Koshi region seedling dip treatment and spraying of streptocycline is suitable for higher yield and economical to farmers
9	Process of farmers participation and their reaction	1.Open ended question by questionnaire process 2.Field visit

Thematic area: Small production system (Paddy –vegetable) & INM

Problem definition: Wilting of brinjal in koshi region due to bacterial wilt disease

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**
Farmers Practice	78.2	86.4	33	241.2	101450	289440	187990	2.85
T.O I	91.3	93.6	11	320.4	101849	384480	282631	3.77
T.O II	84.2	88.6	20.5	286.2	103077	343440	240363	3.33

T.O III	86.5	90.2	16.4	300.96	104178	361152	256974	3.46
SEm	0.538	0.683	0.156	1.490				
CD (5%)	1.593	2.021	0.462	4.583				

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 % (11) with 1:3.77 B:C ratio than other treatment & Farmers Practice. Hence, streptocyclinei.e; T.O I was found effective in management of bacterial wilt in brinjal.

OFT-7 (Horticulture)

1.	Title of On farm Trial	Assessment of proper doses of paclabutrazole in mitigating irregular bearing in mango
2.	Problem diagnosed	Irregular bearing, less flowering and low yield
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	Days to 50 (%) flowering, No. of fruits per plant, Fruit weight (g),Yield kg/plant, B:C ratio
7.	Final recommendation for micro level situation	use of Paclobutrazol @ 1.5 gm a.i/m^2 effective canopy (30-45 ml) in Soil for regular bearing
8.	Constraints identified and feedback for research	Alternate bearing is major problem in mango so use of Paclobutrazol @ 1.5 gm a.i/m^2 effective canopy (30-45 ml) in Soil for regular bearing
9.	Process of farmers participation and their reaction	Through training, filed visit and question answer system.

Thematic area: Bearing regulation

Problem definition: Irregular bearing, less flowering and low yield

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	Net Return	BCR
Farmers Practice	138	307	216.8	66.55	66.55	38200	166250	128050	3.35
T.O I	122	410	217.4	89.13	89.13	44200	222825	178625	5.04
T.O II	118	535	228.8	122.4	122.4	46600	306000	259400	6.5
CD@5%	29.86	8.975	3.504	1.81	1.81				
Sem	9.97	2.99	1.17	0.607	0.607				

Result: The result revealed that T.O II- use of Paclobutrazol @ 1.5 gm a.i/m effective canopy (30-45 ml) in Soil shows better in day to 50% flowering.(118 days), fruit weight (228.8gm) and yield (122.4q/ha) than other treatment and farmer's practice with 1:6.5 BC.

OFT-8 (Entomology)

1.	Title of On farm Trial	**Management of mango leaf weber (*Orthaga euadrusalis* Walker.) 2nd year**
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 Inatitute of Sub- Tropical Horticulture, Rehmankhera (Lucknow), UP , 2014
5.	Production system and thematic area	Small Production system
6.	Performance of the Technology with performance indicators	Infestation, Yield , Economic analysis & B:C Ratio

7.	Final recommendation for micro level situation	Spray of Acephate 45% +Cypermithrin 5% @ 2gm/L If infestation persist 2nd spray at 20 days after 1st spray maximum reduced 75.40 and 81.32 no. of web/tree and no. of larvae/web, respectively with maximum yield (87.94q/ha) and BCR (4.52)
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

Thematic area: IPM

Problem Difination: Caterpillar of the pest eat up entire leaves except petiole and formed cocoon like net and badly affect the fruiting of orchards.

Technology assessed: Assessment of effective insecticides

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	26.41	31.86	54.1	43.85	57.63	43200	144075	100875	3.34
T.O I – Spray of lamda cyhalothrin 5 EC @ 2ml/L If infestation persist 2nd spray at 20 days after 1st spray.		16.49	12.18	67.25	61.67	66.25	44100	165625	121525	3.76
T T.O II – 1 Spray of quinalphos25 EC @ 1.5ml/L If infestation persist 2nd spray at 20 days after 1st spray		11.71	6.97	72.96	67.95	74.97	44650	187425	142775	4.20
T.O.III- Spray of Sorter (Acephate		6.8	1.87	78.63	83.61	87.23	44870	218075	173205	4.86

45% +Cypermithrin 5%) @ 2gm/L If infestation persist 2nd spray at 20 days after 1st spray										
CD		0.621	2.875							
SEm		0.223	1.005							

Rs 2500/ q

Results: Technological option III proved most effective reduced maximum 78.63 and 83.61 no. of web/tree and no. of Larvae /web, respectively with maximum yield (87.23/ha) and BCR (4.86)

OFT-9 (Entomology)

1.	Title of On farm Trial	**Effect of micro nutrients 'zinc' on Rice in Rice-Wheat cropping System**
2.	Problem diagnosed	Low yield of rice and wheat due to no application of Zinc sulphate.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment T0 = Farmer's practice: No application of Zn and RDF T1= RDF+ Zinc sulphate 25 Kg/ha (Basal) T2 = RDF + 50% Zinc sulphate 12.5 Kg /ha (Basal) & seedling treatment with liquid Zinc bio fertilizer @ 125ml/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IARI. New Delhi
5.	Production system and thematic area	Rice-Wheat cropping system, Micro-nutrient deficiency.
6.	Performance of the Technology with performance indicators	The soil test based recommendation the NPK and zinc sulphate may enhance the productivity in rice and wheat.
7.	Final recommendation for micro level situation	Application of NPK @ 100:50:25 (Recommended dose) and application of Zinc sulphate @25kg/ha was recorded highest yield.
8.	Constraints identified and feedback for research	Timely availability of input and labour.
9.	Process of farmers participation and their reaction	Survey of farmer practice, group discussion and training

Technological Option	**No. of**	**Yield component**	**Yield**	**Cost of**	**Gross**	**Net**	**BCR**

	replications	No. of Effective tillers /hill	No. of spiklet/ panicle	Test weight (100gram)	(q/ha)	cultivation (Rs./ha.)	Return (Rs./ha.)	Return (Rs./ha.)	
T0 = Farmer's practice: No application of Zn and RDF	10	17	12.85	94.50	36.60	32125	65880	33755	2.05
T1= RDF+ Zinc sulphate 25 Kg/ha (Basal)	10	22	17.50	107.50	47.60	34230	85680	51450	2.50
T2 = RDF + 50% Zinc sulphate 12.5 Kg /ha (Basal) & seedling treatment with liquid Zinc bio fertilizer @ 125ml/ha	10	28	23.70	124.25	51.10	34870	91880	57110	2.63

Rs. 1500/quintal

Results: Recommended technology option II: RDF+50%Zinc sulphate 21% (Basal application) @12.5kg/ha. and seedling treatment with zinc bio fertilizer@125ml/ha. recorded highest yield as compare to other technological option, maximum BC ratio also recorded.

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 performance Report of does after feeding of hydroponic fodder

Technology	**No. of Does**	**Does show FPP (After kidding Does come in Heat)**	**No. of service required**	**Average day of Does conceive**
Farmers Practice : Grazing+Straw+200 gm Maize grain Feeding	10	68.5± 1.2[a]	1.8± 0.18[a]	85.3± 2.2[a]
T.O I : F.P + 250 gm hydroponic fodder of wheat	10	55.6± 0.9[b]	1.2± 0.10[b]	59.8± 1.8[b]
T.O II : F.P + 250 gm hydroponic fodder of wheat	10	58.7± 0.9[b]	1.4± 0.12[b]	66.5± 1.9[b]
T.O III : F.P + 250 gm of hydroponic fodder of oat	10	55.7± 0.9[b]	1.2± 0.10[b]	59.5± 1.7[b]

NB : Replacing 50 gram 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:

Particulars	**FP**	**T.O.: I**	**T.O.: II**	**T.O.: III**
Initial Wt. of Does (Kg)	24.0± 0.5	24.0± 0.6	24.5± 0.5	24.1± 0.6
DMI intake gm/day	953±13.5	999± 12.6	987.5± 12.5	1001± 12.6
Total feed consume upto conceive (Kg)	81.29	59.74	65.66	59.55
Total cost of feeding upto conception (Rs.)	650.32	477.92	525.28	476.4
Save the money in respect of control	-	172.4	125.04	173.92

% Benefit	-	26.51	19.22	26.74

Result: 30 days kidding Does were selected for effect of feeding different hydroponic fodder on reproductive performance of does and
result indicated that using of hydroponic fodder reduce the day of 1st onset of heat after kidding and day of conception period also reduced
from 19.22 to 26.74% owing to which feeding cost as compare to farmers practice in conception of does.

OFT: 11 (Animal science)

i	Season	Kharif -2022
ii	Title of the OFT	Assessment of feeding and local application of herbal medicine on clinical and sub clinical mastitis.
iii	Thematic Area	Disease Management
iv	Problem diagnosed	Mastitis is the major problem in milch cow. Its treatment is very costly and reduction in milk production.
v	Important Cause	Unhygienic milking
vi	Production system	Small production system
vii	Micro farming system	Unhygienic milking
viii	Technology for Testing	To test the herbal medicine to control mastitis problem in milch cow
ix	Existing Practice	Hot fermentation+aconite 30@10 pills@3 hrs. interval 4 times.
x	Hypothesis	To maintain the hygienic milking to be controlled the mix infection by herbal medicine
xi	Objective (s)	Minimize the treatment cost by use of herbal medicine
xii	Treatments	All the animals were dewormed before starting trial **Farmers Practice**–Hot fermentation **T.O I** – Herbal gel (lacto mastigel) application 5 times for 5 Days. **T.O II**– Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastifree) 80 ml orally 3 days (**Herbal gel** – Aloe vera paste 250g + Lemon Juice (6 no.) + Neem leaf 50g+Garlic paste 50g+Turmeric powder 50g **Oral herbal**- Aloe vera Pulp 250g+ Lemon Juice 2 no. +Moringa leaves 50g +

		Satavari 50g+ Jivanti 20g)
xiii	Critical Inputs	Medicine
xiv	Unit Size	07 milch cow
xv	No of Replications	03
xvi	Unit Cost	4000
xvii	Total Cost	12000
xviii	Monitoring Indicator	Udder Condition, Milk color, Milk Consistency, Total Milk Yield, Combined Milk Fat%, Milk p^H, CMT Test, Somatic cell count (SCC) in milk (Pre and Post treatment), No. of days required for recovery of animal, Benefit Cost ratio, Any other important observation.
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	ICAR Feeding standard 2013, page 31

Note:- OFT continue

OFT: 12 (Animal science)

i	Season	Rabi-2022-23
ii	Title of the OFT	Assessment of feeding mania leaves and UMMB block on reproductive and productive performance of indigenous cow.
iii	Thematic Area	Disease Management
iv	Problem diagnosed	i. Anoestrus and repeat breeding is a main issue in Dairy farming ii. The average dry period 8-12 month. iii. Due to costly hormonal treatment farmer sold his dairy animals on low cost. iv. Also cost of milk production for inter calving period was high.
v	Important Cause	Hormonal in balance
vi	Production system	Small production
vii	Micro farming system	Mal nutrition
viii	Technology for Testing	To test the medicated UMMB (UMMB having 5% mania leaf powder)
ix	Existing Practice	Bhusa/Straw + 2 kg maize and wheat darra + 50 gm mineral mixture daily
x	Hypothesis	Medicated UMMB (UMMB having 5% mania leaf powder) positive effect on un-

		oestrus cow
xi	Objective (s)	To find out the appropriate feeding materials and their dose to resolve the un-oestrus problem in cow
xii	Treatments	**Farmers Practice –** Bhusa/Straw + 2 kg maize and wheat darra + 50 gm mineral mixture daily **T.O I –** FP + Mania leaf powder 50gm.daily for 10 days **T.O II –** FP+Mania leaf powder 25gm daily for 10 days **T.O III –** FP+UMMB having mania leaf powder 5%@500gm/day for 10 days
xiii	Critical Inputs	Mania leaf powder and UMMB
xiv	Unit Size	07 cows in one unit
xv	No of Replications	04
xvi	Unit Cost	2000
xvii	Total Cost	8000
xviii	Monitoring Indicator	Milk Yield fortnightly, Day of 1st Post partum oestrus, No. of AI required per conception, Net return, BCR
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	BAU, Sabour, Bhagalpur

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 Finger Millet	4	6	6
		Weed Management in Green gram	3	8	8
2.	Crop Protection	IDM &IPM	4	20	20
3.	Livestock	Feeding Management	4	10	10
4.	Horticulture	INM	6	20	20
5.	Women Empowerment				

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

S. N.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration								Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total		
1.	Wheat cv. HD 2967	Weed management	**Clodinafop Propagyl 15 % + Metsulfuron Methyl 1 % WP**	**5**	**4**	1	0	0	0	9	0	10	0	10	Fund unavailability
2.	Paddy Cv. R.M 1	Weed management	Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE fbBispyribac sodium 10 SC @ 20 g.ai./ha as PoE at 15-30 DAT	6	6	1				5		6	0	6	

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_2O_5	K_2O					
1.	Wheat Cv 2967	Rabi 2021-22	Irrigated	Sandy loam	216	35.95	79.52	Paddy	2-20.11.2021	10-16.04.2022		
2.	Paddy Cv. R.M 1	Kharif 2022	Irrigated	Sandy loam	219	38.56	78.48	Wheat	10.06.2022	20.11.22		

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

*** 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 Farmer	Area	Yield (q/ha)	% Increas	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

		demonstrated	s	(ha)	Demo	Check	e	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

* **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
Wheat cv. HD 2967	Weed management	Clodinafop Propagyl 15 % + Metsulfuron Methyl 1 % WP	10	4	38.35	32.50	18	-	-	48523	104000	55477	2.14	42500	88800	46300	2.08
Paddy Cv. R.M 1	Weed Management	Pyrazosulfuron Ethyl 10% WP@20 g.ai/ha as PE fbBispyribac sodium 10 SC @ 20 g.ai./ha as PoE at 15-30 DAT	**15**	**06**	**45**	**40**	**11.11**	**-**	**-**	**29626**	**68305**	**36077**	**1.27**	**28346**	**59046**	**30498**	**108**
Mango (2022-23	INM	Paclabutrazole (20-25ml)	10	10 HHs	Result awaited												
Brinjal (2022-23)	IDM & Cultivation of vegetable	Streptocycline	10	1	Result Awaited												

Onion (2022-23)	Cultivation of vegetable & INM	Onion seed & Sulphur	10	2	Result Awaited												
Capsicum (2021-22)	Cultivation of vegetable	Capsicum hybrid Var.Delisha	20 HHs	20 HHs	138	110	25.45	-	-	72865	276000	203135	3.78	71641	220000	148359	3.07
Onion (2021-22)	Cultivation of vegetable & INM	Onion seed & Sulphur	10	0.5	295	234	26.06	-	-	74600	236000	161400	3.16	76600	187200	115600	2.61
Chilli (2021-22)	INM	Tricontanole@5 PPM	10	1	88	75	17.33	-	-	58000	158000	100000	2.73	56500	135000	78500	2.38
Maize Rabi (2021-22	IPM	Management of fall army warm in Rabi Maize	20	5	64.47	56.25	14.62	-	-	62091	96705	34614	1.56	62100	84375	22275	1.36
Cucurbits Pre Rabi 2021-22	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
Cucurbits (2022-23)	IPM	Management of Cucurbit Fruit fly through Pheromone Traps	50	5	Result Awaited												
Mango (2022-23)	IPM	Management of Leaf weber in Mango	22	5	Result Awaited												

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

Cow	Disease Management	Validation of ovysynch protocols in postpatrtum anoestrus cow	12	15	12	4	53.33	8	7	6600	14400	7800	2.18	6500	12600	6100	1.93
Cow	Fodder Management	Promotion of Perenial Shorghum grass	21	7.5 acre	578.09 q	346.42 q	66.87	-	-	25000	57809	32809	2.31	20000	34642	146642	1.73
Cow	Disease Management	Validation of ovysynch protocols in postpatrtum anoestrus cow	12	15 Cows	Going on												
Sheep and goat	Feeding Management	Effect of feeding hydroponic fodder (Oat) on reproductive performance of Does	8	10	Going on												

*** 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																	

*** 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			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															

*** 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					

Farm implements and machinery : NOT APPLICABLE

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

*** 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**

Demonstration details on crop hybrids : NOT APPLICALE

Crop	Name of the Hybrid	No. of Farmers	Area (ha.)	Yield (kg/ha) / major parameter			Economics (Rs./ha.)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										

Others (Pl.specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl.specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total Commercial Crops										
Fodder crops										

Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total Fodder Crops										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Finger Millet	Application of Pretilachlor 50EC as PE@0.75 Kg Ai/ha. at 0-3 DAT fb bispyribac sodium 10 SC as PoE @ 20g.Ai/ha at 15-25 DAT was found more effective in comparision to pendimethline 30EC as Pe@1 Kg ai/ha followed by bispyribac sodium 10 SC as PoE @ 20g.Ai/ha at 15-25 DAT. However, both are found at par with each other.
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	Spray of Tricontanol@5 PPM highly used by farmers in fruit setting of chilli and cost effective and economical.
5.	Onion	Used of Sulpher in onion by farmers in respect of pungency and good storage quality
6.	Cucurbits	Kashgamycin @2ml/L followed by poison pantene and spray of mancozeb+carbendazim@2ml/L and lastly drenching with tricoderma virdae 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.
7.	Maize	Application of sand in whole after 5% appearance of symptom of fall army warm spray immamectin benzoate 5 SG@0.4 gram / lt. followed by 2nd spray of thiomethoxam 12.5%+ Lamdacyhalothrin 9.5%@ 0.5 ml/lt. effectively reduce the population of fall army warm. Most of the maize growers adopting this technique for management of fall army warm.
8.	Mango	Spray of acephate 45%+ cypermethrin 5%@2 gr/lt. max. reduce the leaf weber incidence in mango farmers adopting the application of these chemicals.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

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

A. Technical Parameters:

S. N.	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 @ 20kh/ha +Insecticides +Fungicides+other agrochemicaı)	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

B. Economic parameters

S. N.	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 agrochemicaı))	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

S. N.	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	25/household

	2022						education	
6	Groundnut (2021-22) Summer 2022	9600	25000	100	1500	600	Own consumption & Education of children	24/household

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

S. N.	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)	Yes	Suitable	Poor	Unseasonal rain	Yes	Farmer want to procure

	+Agrochemicals (Fungicide & Insecticide)				damaged the crop		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 seeded resistant to rust and moderately resistance to wilt, maturity 121-125 days,seed rate 30 kg/ha, yield potential 1800 kg/ha	Good	Moderate	Better performance
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 2022	Farmers training on Scientific cultivation of Pigeon and their plant protection	04/06/22	22	06	28
	Selection of farmers and site selection for cfld pigeon pea	01/07/22	15	05	20
	FFarmers training on Scientific cultivation of Pigeon and their plant protection	02/07/22	25	8	33
	FFarmers training on Scientific cultivation of Pigeon and their plant protection	07/07/22	18	05	23
	FFarmers training on Scientific cultivation of Pigeon and their plant protection	01/9/22	28	2	30
	Diagonostic field visit	08/09/22	18	07	25
	Diagonostic field visit	30/09/22	22	03	25
	Diagonostic field visit	07/10/22	15	07	22
	Diagonostic field visit	10/10/22	17	04	21
Lentil Rabi 2022-23	Farmers training on scientific cultivation of lentil and Site selection.	28/10/22	21	5	26
	Site selection for cfld lentil	12/11/22	10	05	15
	Scientific cultivation of lentil and their plant protection	15/11/22	28	02	30
	Scientific cultivation of lentil and their plant protection	17/11/22	21	09	30
	Scientific cultivation of lentil and their plant protection	18/11/22	24	06	30
	Diagonostic visit for cfld lentil	26/11/22	05	05	10

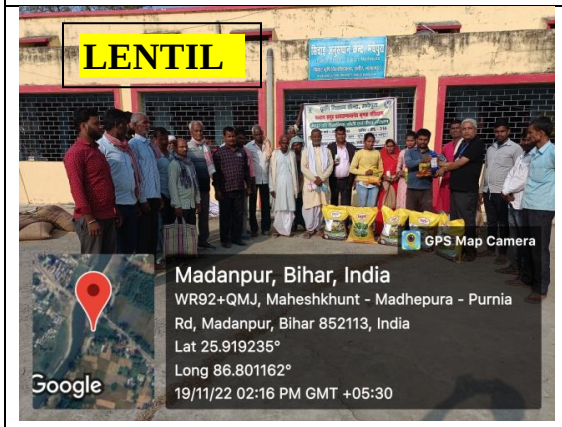
	Diagonostic visit for cfld lentil	6/12/22	10	05	15
	Diagonostic visit for cfld lentil	07/12/22	8	05	13
	Scientific cultivation of lentil and their plant protection	08/12/22	31	04	35
	cientific cultivation of lentil and their plant protection	12/12/22	28	02	30
	cientific cultivation of lentil and their plant protection	15/12/22	25	05	30
	Diagonostic visit for cfld lentil	19/12/22	05	05	10
	Diagonostic visit for cfld lentil	21/12/22	05	05	10
Moong Summer 2022	Farmers Training on " Scientific cultivation of moong and their plant protection."	04/03/2022	36	01	37
	Farmers Training on " Package & Practices of Moong& their plant Protection"	05/03/2022	18	03	21
	Management of insect pest and diseases of moong crop.	27/05/2022	25	05	30
	Farmers training cum field day	28/05/2022	23	07	30
Rapeseed & Mustard Rabi 2022-23	Diagonostic visit cum Field Day	19.02.2022	25	5	30
	Diagonostic visit cum farmers training	17.03.2022	22	7	29
Sunflower (2022-23) Summer 2023	Land survey and selection of plots for sunflower cultivation	13/02/2022	40	6	46
	Field visit for selection of farmers and soil sampling.	17/02/2022	21	5	26
	Farmers training on Scientific cultivation of Sunflower and their plant protection.and technique of seed treatment.	18/02/2022,	32	8	40
	Diagonostic visit cum field day	20/04/2022	20	5	25
	Field Day at chamgadh	31/05/2022	22	6	28
Ground nut Summer 2023	Site selection and Farmers Training on " Package & Practices of ground nut & their plant Protection"	02/04/2022	26	2	28
	Farmers Training on " Package & Practices and Scientific cultivation of Ground nut & their plant Protection"	03/04/2022	25	0	25
	Farmers Training on " Package & Practices and Scientific cultivation of Ground nut & their plant Protection"	04/04/2022	22	3	25
	Farmers training on Scientific cultivation of ground nut and their plant protection.	28/04/2022	20	2	22
	Farmers training on Scientific cultivation of ground nut and their plant protection.	30/04/2022	15	7	22

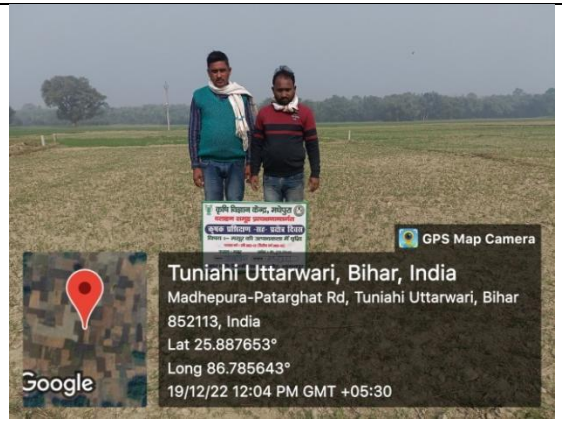
	Diagonostic visit cum field Day	28/05/2022 ,	23	7	30
	Field demonstration cum field Day	01/6/2022	27	1	28
	Field demonstration cum field Day	03/06/2022	23	0	23

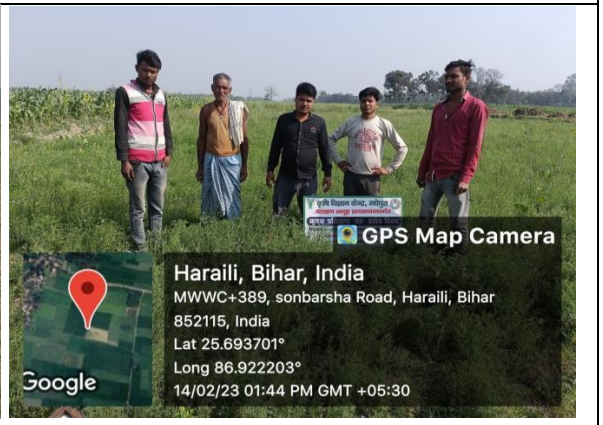
G. Sequential good quality photographs (as per crop stages i.e. growth & development)

PIGEON PEA

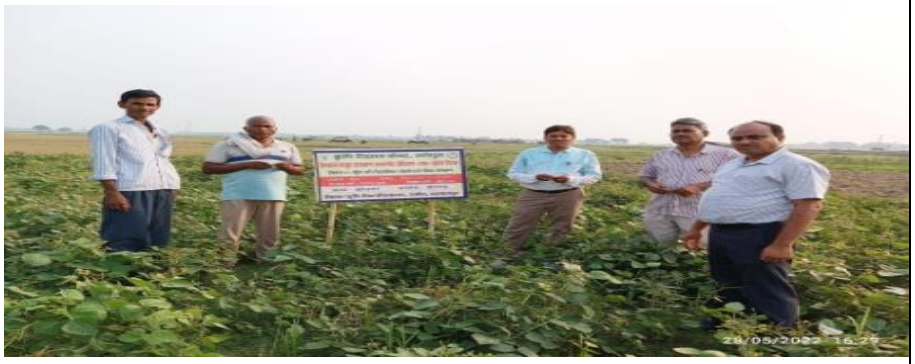
LENTIL



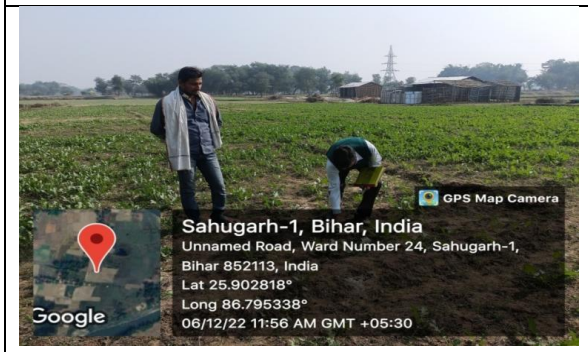




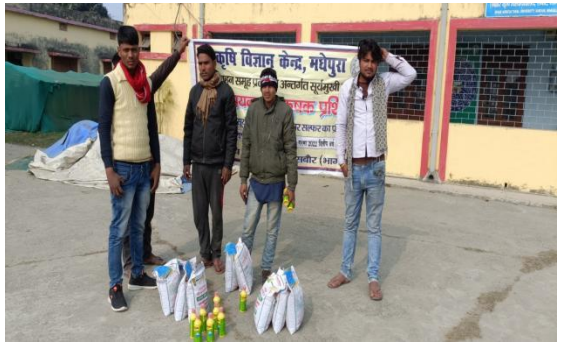
Green Gram

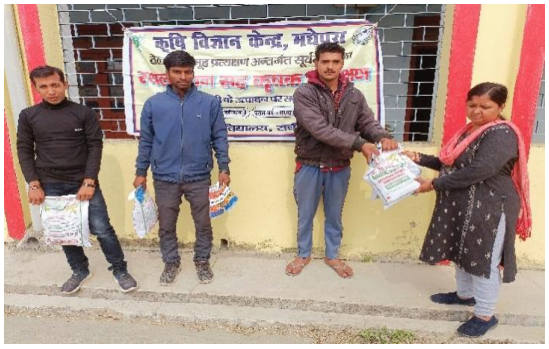


Rapeseed & Mustard

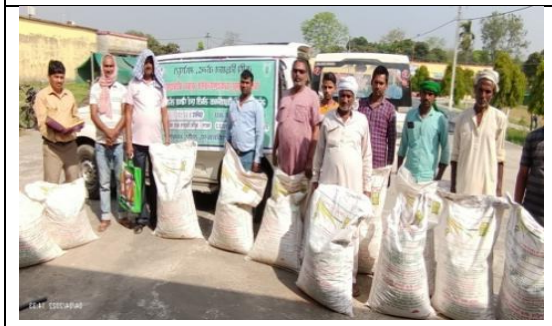
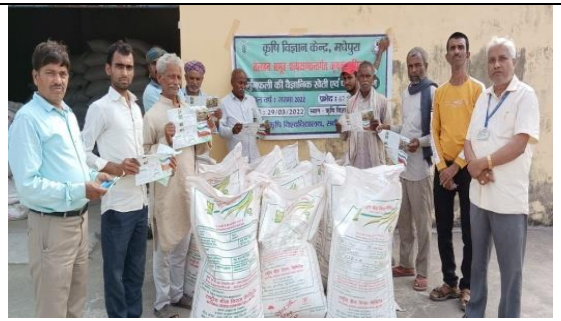


Sunflower

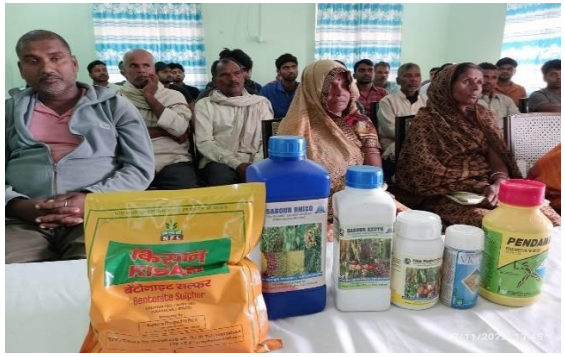




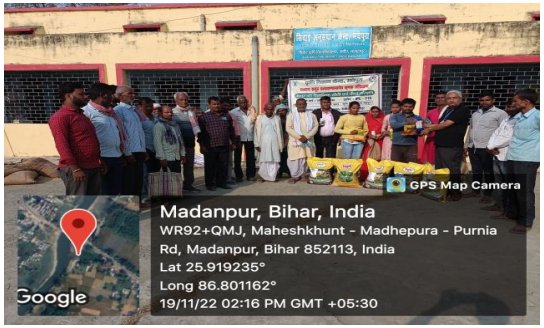
Ground nut

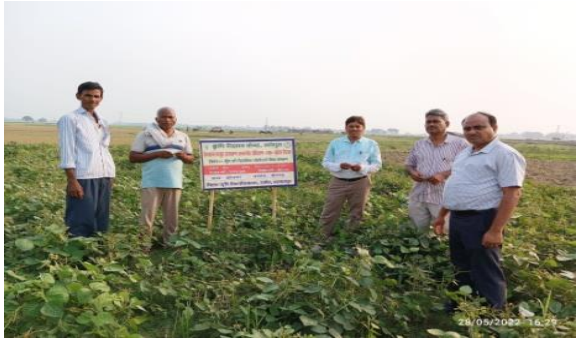




H. Farmers' training photographs


I. Quality ActionPhotographs of field visits/field days and technology demonstrated.





J. Details of budget utilization for the F.Y. 2022-23

Crop (provide crop wise information)	Items	Budget Received (Rs.)	BudgetUtilization (Rs.)	Balance(Rs.)
Pigeon Pea	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)			0
	iv)Publication of literature			0
	Total	**180000.00**	**180000.00**	**0**
Lentil	i) Critical input	405000.00	405000.00	0
	ii) TA/DA/POL etc. for monitoring	45000.00	30000.00	15000.00
	iii) Extension Activities (Field day)			0
	iv)Publication of literature			0
	Total	**450000.00**	**435000.00**	**15000.00**
Moong	i) Critical input	162000.00	162000.00	0
	ii) TA/DA/POL etc. for monitoring	18000.00	4398.00	13602.00
	iii) Extension Activities (Field day)			0
	Total	**180000.00**	**166398.00**	**13602.00**
Technology Agent	**Salary for technology agent under pulse**	**60000.00**	**40000.00**	**20000.00**
Rapeseed & Mustard	i) Critical input	270000.00	270000.00	0
	ii) TA/DA/POL etc. for monitoring	30000.00	2244.00	27756.00
	iii) Extension Activities (Field day)			0
	Total	**300000.00**	**272244.00**	**27756.00**
Sunflower	i) Critical input	108000.00	108000.00	0
	ii) TA/DA/POL etc. for monitoring	12000	0.0	12000.00
	iii) Extension Activities (Field day)			0
	iv)Publication of literature			
	Total	**120000.00**	**108000.00**	**12000.00**

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	49	26	75	0	0	0	0	0	0	49	26	75
Resource Conservation Technologies	1	30	0	30	0	0	0	0	0	0	30	0	30
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	1	35	0	35	0	0	0	0	0	0	35	0	35
Integrated Farming	2	85	40	125	1	0	1	0	0	0	86	40	126
Water management	1	15	9	24	0	0	0	0	0	0	15	9	24
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	1	25	1	26	4	0	4	0	0	0	29	1	30
Integrated Crop Management	2	86	15	101	0	0	0	0	0	0	86	15	101
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	00	0	0	0	0	0	0	0
Others (Integrated Nutrient Management)	1	29	1	30	0	0	0	0	0	0	29	1	30
II. Horticulture													
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	25	0	25	0	0	0	0	0	0	25	0	25
Enterprise development	0	0	0	0	0	0	0	0	0	00	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	00	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	25	0	25	0	0	0	0	0	0	25	0	25
Others, if any (Cultivation of Vegetable)	7	86	40	126	39	35	74	0	0	0	125	75	200
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Value Addition)	0	0	0	0	0	0	0	0	0	0	0	0	0

b) Fruits													
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	1	25	0	25	0	0	0	0	0	0	25	0	25
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	1	0	0	0	35	0	35	0	0	0	35	0	35
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	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
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0

Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	1	0	0	0	25	10	35	0	0	0	25	10	35
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	3	72	0	72	3	0	3	0	0	0	75	0	75
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	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
Storage loss minimization techniques	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
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	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
Capacity building	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and	0	0	0	0	0	0	0	0	0	0	0	0	0

implements													
Small scale processing and value addition	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection													
Integrated Pest Management	10	250	22	272	28	18	46	0	0	0	278	40	318
Integrated Disease Management	4	114	10	124	18	2	20	0	0	0	132	12	144
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	5	102	19	121	9	1	10	0	0	0	111	20	131
VIII. Fisheries													
Integrated fish farming	1	30	3	33	2	0	2	0	0	0	32	3	35
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	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
Edible oyster 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
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0

Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	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
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)													
TOTAL	**45**	**1083**	**186**	**1269**	**164**	**66**	**230**	**0**	**0**	**0**	**1247**	**252**	**1499**

B) Rural Youth (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Mushroom Production	16	47	61	108	25	29	54	0	0	0	72	90	162
Bee-keeping	17	130	20	150	9	7	16	0	0	0	139	27	166
Integrated Pest Management	4	81	16	97	3	0	3	0	0	0	84	16	100
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	1	35	0	35	0	0	0	0	0	0	35	0	35
Integrated Farming	4	105	1	106	0	0	0	0	0	0	105	1	106
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	3	25	0	25	4	71	75	0	0	0	29	71	100
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0

Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	2	62	4	66	4	0	4	0	0	0	66	4	70
Quail farming	1	40	0	40	0	0	0	0	0	0	40	0	40
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	5	159	3	162	2	0	2	0	0	0	161	3	164
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	**53**	**684**	**105**	**789**	**47**	**107**	**154**	**0**	**0**	**0**	**731**	**212**	**943**

C) Extension Personnel (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Productivity enhancement in field crops	1	28	0	28	0	0	0	0	0	0	28	0	28
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	1	21	7	28	0	0	0	0	0	0	21	7	28
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	30	0	30	0	0	0	0	0	0	30	0	30
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
Others (Integrated Weed Management)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**79**	**7**	**86**	**0**	**0**	**0**	**0**	**0**	**0**	**79**	**7**	**86**

D) Farmers and farm women (off campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	4	186	4	190	10	12	22	0	0	0	196	16	212
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	1	32	0	32	3	5	8	0	0	0	35	5	40
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	2	68	6	74	4	2	6	0	0	0	72	8	80
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	3	264	0	264	0	0	0	0	0	0	264	0	264
Nursery management	3	95	9	104	13	10	23	0	0	0	108	19	127
Integrated Crop Management	1	52	0	52	0	0	0	0	0	0	52	0	52
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	3	107	18	125	17	7	24	0	0	0	124	25	149
Others, (cultivation of crops)	3	63	20	83	11	19	30	0	0	0	74	39	113
II. Horticulture													

a) Vegetable Crops													
Integrated nutrient management	1	93	0	93	0	0	0	0	0	0	93	0	93
Water management	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
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	2	1	2	3	0	40	40	0	0	0	1	42	43
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Cultivation of Vegetable)	6	31	0	31	9	89	98	0	0	0	40	89	129
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Organic farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits													
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0

f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	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
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management													
Dairy Management	4	93	7	100	14	1	15	0	0	0	107	8	115
Poultry Management	2	0	45	45	0	30	30	0	0	0	0	75	75
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	2	22	5	27	7	18	25	0	0	0	29	23	52
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	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
Storage loss minimization techniques	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

Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	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
Capacity building	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection													
Integrated Pest Management	3	65	2	67	14	0	14	0	0	0	79	2	81
Integrated Disease Management	1	25	0	25	5	0	5	0	0	0	30	0	30
Bio-control of pests and diseases	2	38	4	42	4	7	11	0	0	0	42	11	53
Production of bio control agents and bio pesticides	2	36	0	36	14	0	14	0	0	0	50	0	50
Others, if any	12	210	25	235	30	95	125	0	0	0	240	120	360
VIII. Fisheries													
Integrated fish farming	2	40	0	40	5	0	5	0	0	0	45	0	45
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	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

Edible oyster 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
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	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
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**59**	**1521**	**147**	**1668**	**160**	**335**	**495**	**0**	**0**	**0**	**1681**	**482**	**2163**

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	6	262	50	312	12	8	20	0	0	0	274	58	332
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0

Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	2	60	0	60	4	0	4	0	0	0	64	0	64
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	1	35	0	35	5	0	5	0	0	0	40	0	40
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	30	0	30	0	0	0	0	0	0	30	0	30
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	2	40	8	48	5	2	7	0	0	0	45	10	55
Sheep and goat rearing	2	43	7	50	10	0	10	0	0	0	53	7	60
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	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	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
Others, if any (Integrated pest management)	1	25	2	27	3	0	3	0	0	0	28	2	30
Others (Integrated Disease Management)	1	21	4	25	3	2	5	0	0	0	24	6	30
TOTAL	**16**	**516**	**71**	**587**	**42**	**12**	**54**	**0**	**0**	**0**	**558**	**83**	**641**

Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	19	4	23	2	0	2	0	0	0	21	4	25
Integrated Pest Management	5	169	8	177	73	10	83	0	0	0	242	18	260
Integrated Nutrient management	1	31	0	31	0	0	0	0	0	0	31	0	31
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
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	5	178	2	180	0	0	0	0	0	0	178	2	180
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 (Cultivation of crops)	1	40	0	40	0	0	0	0	0	0	40	0	40

Others(Integrated crop Management)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Integrated Disease Management)	2	48	3	51	6	1	7	0	0	0	54	4	58
Others(Mushroom Production)	1	30	2	32	5	3	8	0	0	0	35	5	40
TOTAL	**16**	**515**	**19**	**534**	**86**	**14**	**100**	**0**	**0**	**0**	**601**	**33**	**634**

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	5	235	30	265	10	12	22	0	0	0	245	42	287
Resource Conservation Technologies	1	30	0	30	0	0	0	0	0	0	30	0	30
Cropping Systems	1	32	0	32	3	5	8	0	0	0	35	5	40
Crop Diversification	1	35	0	35	0	0	0	0	0	0	35	0	35
Integrated Farming	4	158	46	204	5	2	7	0	0	0	163	48	211
Water management	1	15	9	24	0	0	0	0	0	0	15	9	24
Seed production	3	264	0	264	0	0	0	0	0	0	264	0	264
Nursery management	4	120	10	130	17	10	27	0	0	0	137	20	157
Integrated Crop Management	3	138	15	153	0	0	0	0	0	0	138	15	153
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	3	107	18	125	17	7	24	0	0	0	124	25	149
Others, (cultivation of crops)	3	63	20	83	11	19	30	0	0	0	74	39	113
Others (Integrated Nutrient Management)	1	29	1	30	0	0	0	0	0	0	29	1	30
TOTAL	**30**	**1226**	**149**	**1375**	**63**	**55**	**118**	**0**	**0**	**0**	**1289**	**204**	**1493**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	93	0	93	0	0	0	0	0	0	93	0	93
Water management	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
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	4	2	4	6	0	80	80	0	0	0	2	84	86
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0

Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	25	0	25	0	0	0	0	0	0	25	0	25
Others, if any (Cultivation of Vegetable)	19	148	40	188	57	213	270	0	0	0	205	253	458
Others(organic farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Value addition)	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits													
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	1	25	0	25	0	0	0	0	0	0	25	0	25
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	1	0	0	0	35	0	35	0	0	0	35	0	35
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0

III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	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
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management													
Dairy Management	4	93	7	100	14	1	15	0	0	0	107	8	115
Poultry Management	2	0	45	45	0	30	30	0	0	0	0	75	75
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	1	0	0	0	25	10	35	0	0	0	25	10	35
Others, if any (Goat farming)	5	94	5	99	10	18	28	0	0	0	104	23	127
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	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
Storage loss minimization techniques	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
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	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
Capacity building	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0

VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection													
Integrated Pest Management	13	315	24	339	42	18	60	0	0	0	357	42	399
Integrated Disease Management	5	139	10	149	23	2	25	0	0	0	162	12	174
Bio-control of pests and diseases	2	38	4	42	4	7	11	0	0	0	42	11	53
Production of bio control agents and bio pesticides	2	36	0	36	14	0	14	0	0	0	50	0	50
Others, if any	17	312	44	356	39	96	135	0	0	0	351	140	491
VIII. Fisheries													
Integrated fish farming	3	70	3	73	7	0	7	0	0	0	77	3	80
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	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
Edible oyster 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
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0

Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	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
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	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
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. specify)													
TOTAL	**111**	**2616**	**335**	**2951**	**333**	**530**	**863**	**0**	**0**	**0**	**2949**	**865**	**3814**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Mushroom Production	22	309	111	420	37	37	74	0	0	0	346	148	494
Bee-keeping	17	130	20	150	9	7	16	0	0	0	139	27	166
Integrated farming	5	140	1	141	5	0	5	0	0	0	145	1	146
Seed production	2	60	0	60	4	0	4	0	0	0	64	0	64
Production of organic inputs	1	35	0	35	0	0	0	0	0	0	35	0	35
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	3	25	0	25	4	71	75	0	0	0	29	71	100
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0

Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	30	0	30	0	0	0	0	0	0	30	0	30
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	2	40	8	48	5	2	7	0	0	0	45	10	55
Sheep and goat rearing	4	105	11	116	14	0	14	0	0	0	119	11	130
Quail farming	1	40	0	40	0	0	0	0	0	0	40	0	40
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	5	159	3	162	2	0	2	0	0	0	161	3	164
Ornamental fisheries	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
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any (ICT application in agriculture)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Integrated Pest Management)	5	106	18	124	6	0	6	0	0	0	112	18	130
Others (Integrated Disease Management)	1	21	4	25	3	2	5	0	0	0	24	6	30
TOTAL	**69**	**1200**	**176**	**1376**	**89**	**119**	**208**	**0**	**0**	**0**	**1289**	**295**	**1584**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	47	4	51	2	0	2	0	0	0	49	4	53
Integrated Pest Management	6	190	15	205	73	10	83	0	0	0	263	25	288
Integrated Nutrient management	1	31	0	31	0	0	0	0	0	0	31	0	31
Rejuvenation of old orchards	1	30	0	30	0	0	0	0	0	0	30	0	30
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
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	5	178	2	180	0	0	0	0	0	0	178	2	180

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)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others(Cultivation of crops)	1	40	0	40	0	0	0	0	0	0	40	0	40
Others(ICM)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others(IDM)	2	48	3	51	6	1	7	0	0	0	54	4	58
Others (Mushroom Production)	1	30	2	32	5	3	8	0	0	0	35	5	40
TOTAL	**19**	**594**	**26**	**620**	**86**	**14**	**100**	**0**	**0**	**0**	**680**	**40**	**720**

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'2022										
Horticulture	PF	Scientific cultivation and plant protection of Rabi season vegetable	01	OFF	30	0	30	0	0	0
	PF	Vegetable seedling grown under low polytunnel	01	ON	25	0	25	0	0	0
	PF	Scientific cultivation of potato & their plant protection	01	ON	50	0	50	0	0	0
Entomology	PF	Scientific cultivation of lentil & Rai and their plant protection.	04	ON	100	9	109	10	6	16
	RY	Technique of mushroom production	02	OFF	180	10	190	2	0	2
	EF	Benificial and harmful insects and their management.	01	OFF	35	0	35	5	0	5
November'2022										
Entomology	PF	Scientific cultivation of rai & Lentil and their plant protection.	05	ON	133	11	144	15	7	22
	RY	Management of FAW in maize	01	OFF	25	2	27	3	0	3
	RY	Disease management in Rabi crops.	01	OFF	21	4	25	3	2	5
	RY	Technique of mushroom production	02	OFF	40	40	80	4	8	12
	EF	Diseases and insect pest management in Rabi crops.	01	OFF	26	1	27	2	1	3
	EF	Technique of mushroom production.	01	OFF	30	2	32	5	3	8
Horticulture	PF	Scientific cultivation of cole crops & INM	01	ON	0	0	0	35	0	35
Crop Production	PF	Crop cutting and training on Rabi crop	01	OFF	52	0	52	0	0	0
	PF	Weed and water	01	OFF	38	0	38	1	3	4

		management in Rabi Crop								
	PF	IFS & INM	01	OFF	41	6	47	1	0	1
	PF	CRA technology and biofortified crop	01	OFF	52	3	55	5	0	5
Animal Sc.	PF	Dairy farming	01	OFF	21	5	26	3	1	4
	PF	Goat rearing	01	OFF	22	1	23	7	0	7
	RY	Dairy farming	01	OFF	21	5	26	3	1	4
	RY	Goat rearing	01	OFF	20	5	25	5	0	5
October'2022										
Crop Production	PF	Intervention of CRA	01	ON	35	0	35	0	0	0
	RY	Scientific cultivation of wheat	01	OFF	40	0	40	0	0	0
	RY	Income enhancement through proper rating day use of micro level culture	01	ON	35	0	35	0	0	0
	RY	Effect of climatic change on agriculture and their nursery management	01	OFF	30	0	30	0	0	0
Horticulture	PF	Scientific cultivation of cole crops	01	OFF	0	0	0	8	27	35
Entomology	PF	Management of FAW in maize.	01	ON	31	0	31	4	0	4
	PF	Disease management in mustard and pulse crop.	01	ON	31	2	33	4	2	6
	RY	Technique of mushroom production	03X02	ON	11	16	27	18	16	34
	EF	Pest and diseases management in oilseeds and pulses.	01	OFF	45	5	50	10	0	10
A.Sc.	PF	Fish farming	01	OFF	20	0	20	5	0	5
September'2022										
Crop Production	PF	Natural farming	01	ON	45	40	85	1	0	1
	PF	IFS	01	ON	40	0	40	0	0	0
	EF	Method & role of bioferitlizer	01	OFF	31	0	31	0	0	0
	EF	INM & Crop rotation	01	OFF	31	0	31	0	0	0
Horticulture	PF	Scientific cultivation of cole crops	01	ON	24	5	29	0	0	0
	EF	Sceintific knowledge of natural farming and organic farming on	01	OFF	40	0	40	0	0	0

		vegetable crops								
	EF	Preparation of jeewa amrit, ghana jeewa amrit, amrit jal, isecticides & use of waste decomposer	01	OFF	40	0	40	0	0	0
Entomology	PF	IPM in Kharif paddy.	01	ON	14	2	16	3	5	8
	PF	IPM in Kharif paddy.	01	OFF	20	0	20	5	0	5
	RY	Beekeeping and honey production.	06	ON	28	0	28	0	0	0
	RY	Technique of mushroom production	05	ON	13	14	27	3	10	13
	RY	Beekeeping and honey production.	04	ON	34	3	37	0	0	0
	EF	Use of bio pesticides in organic farming.	01	OFF	27	2	29	0	0	0
A.Sc.	PF	Fish Farming	01	OFF	20	0	20	5	0	5
August'2022										
Crop Production	PF	Weed, disease & insect management in paddy	01	ON	49	26	75	0	0	0
	PF	IWM in kharif crop	01	ON	15	9	24	0	0	0
	PF	ICM	01	ON	51	15	66	0	0	0
	RY	Organic and natural farming	01	ON	15	15	30	0	0	0
	RY	Weed management in kharif crop	01	ON	20	1	21	0	0	0
	RY	INM	01	ON	30	0	30	0	0	0
	RY	Role of poultry manure in nutrient managemen	01	ON	30	0	30	0	0	0
	EF	Organic farming	01	OFF	40	0	40	0	0	0
Entomology	PF	Management of insect pest and diseases in Kharif paddy.	02	ON	52	8	60	10	0	10
	PF	Management of insect pest and diseases in Kharif paddy.	01	OFF	25	0	25	5	0	5
	PF	Quality fiber production in jute.	01	OFF	28	0	28	2	0	2
	RY	IPM in paddy.	01	ON	13	11	24	0	0	0
	EF	IPM in Kharif paddy.	01	OFF	26	0	26	3	0	3
Horticulture	RY	Natural Farming	01	ON	30	0	30	0	0	0
A.Sc.	PF	Dairy Management	01	OFF	24	2	26	4	0	4

July'2022										
Crop Production	PF	Interoduction and scope of backyard poultry farming for sustainable livelihood and nursery management of paddy	01	ON	25	1	26	4	0	4
	PF	Marketing and economics of backyard poultry training and nutrient management in paddy	01	ON	29	1	30	0	0	0
	RY	Marketing and economics of backyard poultry farming and IWM	01	ON	21	3	24	0	0	0
Entomology	PF	Scientific cultivation of pigeon pea and their plant protection	02	ON	33	10	43	10	3	13
	PF	Value addition in mango product	01	ON	20	5	25	4	1	5
	RY	Technique of mushroom production	04	ON	10	26	36	1	3	4
	RY	Madhumakkhi Plan	01	ON	14	4	18	2	0	2
	EF	Kharif pest and diseases and their management.	01	ON	21	7	28	0	0	0
Horticulture	RY	Training on Mango product and processing	01	ON	30	0	30	0	0	0
A.Sc.	RY	Goat Farming	01	OFF	23	2	25	5	0	5
June'2022										
A.Sc.	PF	Feeding management of dairy animal	01	OF	18	0	18	7	0	7
	RY	Goat Farming	01	ON	33	3	36	4	0	4
Entomology	PF	IPM in groundnut	02	OFF	45	2	47	9	0	9
	PF	Scientific cultivation of pigeon pea and their plant protection.	02	OFF	38	8	46	12	2	14
	PF	Scientific cultivation of Kharif paddy and their plant protection.	01	OFF	22	1	23	4	0	4
	RY	Madhumakkhi	03	ON	23	12	35	0	6	6

		Plan								
	RY	Techniques of seed production in maize and their plant protection	01	OFF	20	0	20	4	0	4
	EF	Biological method of Kharif pest and diseases,	01	OFF	22	2	24	4	0	4
Horticulture	PF	Scientific cultivation of mango	01	ON	25	0	25	0	0	0
Crop Production	PF	Nursary management of paddy	01	OFF	35	5	40	4	3	7
	PF	INM in crops	01	OFF	32	4	36	5	4	9
	PF	weed management in paddy	01	OFF	29	4	33	7	5	12
	PF	Natural farming	01	OFF	26	7	33	8	4	12
	PF	Organic farming	01	OFF	29	8	37	4	3	7
	PF	Scientific cultivation of paddy crop	01	OFF	26	8	34	7	4	11
	PF	Scientific cultivation of Kharif crop	01	OFF	6	12	18	4	15	19
	RY	Role /Function of primary & secondry nutrients in plants	01	OFF	35	0	35	5	0	5
May'2022										
Crop Production	PF	Nursary management in paddy	01	OFF	28	0	28	4	3	7
	PF	DSR	01	OFF	32	0	32	3	5	8
	PF	Weed management in paddy & green gram	01	OFF	34	0	34	2	4	6
	PF	Nutrient Management in paddy & green gram	01	OFF	27	0	27	3	2	5
	EF	Production and enhancement of crop	01	OFF	40	0	40	0	0	0
Entomology	PF	Scientific cultivation of paddy and their plant protection.	03	OFF	67	15	82	11	3	14
	RY	Madhumakkhi Plan	03	ON	31	1	32	7	1	8
	RY	Technique of mushroom production	01	OFF	27	0	27	1	0	1
	EF	IPM in Kharif crops	01	OFF	38	3	41	10	0	10
A.Sc.	PF	Dairy	01	OFF	30	0	30	0	0	0

		Management								
April'2022										
Crop Production	PF	Post harvest management of wheat crop	01	OFF	35	0	35	0	0	0
	PF	Scientific cultivation of Summer crop	01	OFF	31	0	31	0	0	0
	PF	Organic / Natural farming of crop	01	ON	35	0	35	0	0	0
	PF	Resource conservation technology in summer crop	01	ON	30	0	30	0	0	0
	EF	Role of CRAin Rabi crop	01	ON	28	0	28	0	0	0
Entomology	PF	Scientific cultivation of maize and their plant protection.	02	OFF	38	4	42	4	7	11
	RY	IPM in groundnut	03	ON	68	5	73	3	0	3
	EF	Insect pest, beneficial insects and types of pesticides in details.	01	OFF	25	0	25	5	0	5
Animal Sci.	PF	Feeding Management of Goat & kids	01	ON	12	0	12	3	0	3
	RY	Important disease of dairy animal & their treatment & vaccination	01	OFF	19	3	22	2	1	3
Horticulture	PF	Scientific cultivation of chilli & their production	01	ON	12	0	12	3	0	3
	PF	Cultivation of kharif vegetable	01	ON	0	5	5	0	0	0
March'2022										
Crop Production	PF	Fodder Production for goat farming	02	ON	60	0	60	0	0	0
	PF	Seed Production processing & marketing	01	OFF	117	0	117	0	0	0
	PF	Nutritient Management in seed production	01	OFF	93	0	93	0	0	0
	PF	Irrigation management in seed production crop	01	OFF	112	0	112	0	0	0
	PF	Weed management in seed production crop	01	OFF	85	0	85	0	0	0

	RY	Crop based farming system & importance	01	ON	25	0	25	0	0	0
	RY	Integrated crop management	01	ON	25	0	25	0	0	0
	RY	Marketing and economics of poultry farming	01	ON	38	0	38	2	0	2
Horticulture	RY	Protected cultivation	02	ON	0	0	0	4	71	75
	RY	Quail farming	01	ON	40	0	40	0	0	0
	RY	Goat farming	01	ON	29	1	30	0	0	0
Entomology	PF	Scientific cultivation of moong and their plant protection.	02	ON	49	4	53	5	0	5
	PF	Management of FAW in maize.	01	OFF	18	0	18	7	0	7
	PF	Storage of seeds and grains at home scale level.	01	OFF	18	0	18	7	0	7
	RY	Technique of mushroom cultivation.	01	OFF	15	0	15	5	0	5
	EF	Safe storage of wheat and their maintaince.	01	OFF	19	4	23	2	0	2
February'2022										
Horticulture	PF	Scientific Cultivation of Okra	01	ON	0	0	0	0	15	15
	PF	Protected Cultivation of fruit & Veg.	01	ON	0	0	0	0	21	21
Animal Sci.	PF	Water Management in Makhana cultivation	01	ON	25	0	25	0	0	0
Entomology	PF	Scientific cultivation of Sunflower and their plant protection.	01	ON	30	3	33	2	0	2
	PF	Scientific cultivation of sunflower and their plant protection.	02	OFF	43	0	43	5	0	5
	RY	Mushroom production technique.	05	ON	13	5	18	0	15	15
	EF	Sedd production technique, type of seeds and plant protection in seed production.	05	OFF	17	0	17	3	0	3

January'2022										
Crop Production	RY	Marketing & economics of backyard poultry farming	01	ON	30	0	30	0	0	0
	RY	Intoductry & scope in Bihar	01	ON	40	0	40	0	0	0
Horticulture	PF	Cultivation of Vegetable	02	ON	0	30	30	0	35	35
	PF	Nursery Raising	02	OFF	1	2	3	0	40	40
	PF	Cultivation of Vegetable	04	OFF	1	0	1	1	62	63
Entomology	PF	Scientific cultivation of mushroom	03	OFF	12	1	13	1	75	76
Animal Sci.	PF	Feeding management in goat	01	ON	0	0	0	25	10	35
	PF	Poultry farming	01	OFF	0	15	15	0	0	0
	PF	Goat rearing	01	OFF	0	5	5	0	18	18
	PF	Backyard poultry farming	01	OFF		30	30	0	30	30

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				M	F	T	Type of units	Number of units	Number of persons employed	
Mushroom	Mushroo culture	Mushroom Production Technique	05	13	20	33	Production & spawn unit	2	10	0
Beekeeping	Beekeeping	Beekeeping and honey production.	06	28	0	28	Establishment of apiry	3	7	3
Poultry	Poultry Management	Backyard poultry farming	03	220	80	300	Backyard poultry	30	50	20
Goatry	Goat farming	Rearing of Goat	04	64	14	80	Goat farming	50	50	15

training title should specify the major technology /skill transferred

I) **Sponsored Training Programmes**

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/ RY/ EF	No. of courses	No. of Participants									Sponsoring Agency
							Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Goat farming	Goat Farming	January	03	ON	03	22	01	0	8	0	9	30	1	9	40	ATARI, Patna

2	Backyard Poultry Management	Poultry Farming	January	03	ON	01	5	1	2	0	9	13	5	10	15	30	BKBDP
3	Backyard poultry farming	Poultry farming	Feb.	03	ON	02	55	5	0	0	0	0	55	5	0	60	BKBDP
4	Dairy Managemen	Dairy Management	Feb.	03	ON	01	38	3	0	1	0	0	41	1	0	42	ATARI, Patna
5	Poultry farming	Poulrty farming	March	03	ON	01	37	2	0	1	0	0	38	2	0	40	ATARI, Patna
6	Silage making	Goat farming	March	03	ON	01	34	1	0	5	0	0	39	1	0	40	ATARI, Patna
7	Backyard poultry farming	Poultry Farming	March	03	ON	01	13	5	0	2	10	0	15	15	0	30	BKBDP
8	Goat Rearing	Goat Rearing	March	03	ON	04	111	8	0	2	0	0	113	8	0	121	ATMA,Khagaria
9	Quial farming	Quial farming	March	05	ON	01	39	1	0	0	0	0	39	1	0	40	ATMA Saharsa
10	Backyard poultry farming	Poultry Farming	June	04	RY	01	34	3	0	3	0	0	37	3	0	40	BKBDP

11	Backyard poultry farming	Poultry Farming	July	03	ON	04	90	24	0	4	2	0	94	26	0	120	BKBDP
12	Backyard poultry farming	Poultry Farming	August	03	ON	06	78	27	2	31	42	0	109	69	2	180	BKBDP
13	Backyard poultry farming	Poultry Farming	December	03	ON	02	42	4	0	14	0	0	56	4	0	60	BKBDP
Total							**598**	**85**	**4**	**71**	**63**	**22**	**671**	**146**	**26**	**843**	
Entomology																	
1	Role essential elements	Entomology	Feb.	01	ON	01	28	0	0	2	0	0	30	0	0	30	DAO
2	Type of seed, role of plant protection in seed production.		Feb.	01	OFF	01	30	0	0	0	0	0	30	0	0	30	DAO
3.	Seed safe storage		March	01	OFF	04	796	160	0	40	12	0	836	172	0	1008	ATMA, MAD.
TOTAL							**854**	**160**	**0**	**42**	**12**	**0**	**896**	**172**	**0**	**1068**	

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	8										396
KisanMela	4										Mass
KisanGhosthi	7										1785
Exhibition											
Film Show	5										951
Method Demonstrations											
Farmers Seminar											
Workshop											
Group meetings											

Lectures delivered as resource persons											
Advisory Services											
Scientific visit to farmers field	219										1168
Farmers visit to KVK	3493										3663
Diagnostic visits	13										13
Exposure visits											
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	6										
MahilaMandals Conveners meetings											
Special Programmes (specify)	1										302
Sankalp Se Siddhi											
Swatchta Hi Sewa	9										146
Any Other (Specify)											
World Milk Day											
World Zoones day											
Parthenium awareness	2										77
Food Nutrition day											
Poshan Vatika & Tree Plantation	2										172
World soil day	1										162
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	16
Radio talks	0
TV talks	05
Popular articles	22
Extension Literature	5
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 (26th Jan.)	01	0	0	0	0	35	2	37	35	02	37
International Women's Day (8th Mar.)	01	0	68	68	1	4	8	12	4	76	80
Ambedkar Jayanti (14th Apr.)	0	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21st Jun.)	01	0	0	0	0	10	02	12	10	2	12
Independence Day (15th Aug.)	01	0	0	0	0	37	2	39	37	02	39
Parthenium Awareness Week (16th to 22nd Aug.)	04	85	15	100	1	0	0	0	85	15	110
Hindi Diwas (14th Sep.)	0	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2nd Oct.)	01	0	0	0	0	0	0	0	16	2	18
Mahila Kisan Diwas (15th Oct.)	01	30	0	30	0	10	2	12	40	2	42
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0	0

Vigilance Awareness Week (27th Oct. to 2nd Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Unity Day (31st Oct.)	01	21	0	21	0	10	2	12	31	2	33
World Science Day (10th Nov.)	01	25	5	30	0	8	1	9	33	6	39
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	01	0	0	0	0	18	2	20	18	2	20
World Soil Day (5th Dec.)	01	103	29	132	3	26	04	30	129	33	162
Kisan Diwas (23rd Dec.)	1	45	5	50	0	10	5	15	55	10	65

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	01.01.2022	PM KISAN SAMMAN NIDHI YOJNA LIVE TELECAST PROGRAM	Hon'ble PM &AM	39	9	2	50
2	25.04.2022	Live telecast on National Campaign under Azadi Ka Amrit Mahotsav	Hon'ble PM &AM	280	20	02	302
3	26.04.2022	Kisan Bhagidari Prathmikta Hamari	Hon'ble PM	290	12	1	303
4	28.04.2022	Kisan Bhagidari Prathmikta Hamari part 2	Hon'ble PM	41	8	0	49
5	16.07.2022	94th ICAR Foundation Day	Hon'ble PM & AM	207	14	2	223
6	17.10.2022	Kisan Samman Sammelan Live telecast	Hon'ble PM & AM	378	17	5	400

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			
Cash & kind				SC	ST	Other	Total

Vegetable seedlings							
Cauliflower	Megha	5000	2500	0	0	50	50
Cabbage	Golden acre/ Drum head	2500	1250	0	0	50	50
Others(Brocoli)	Fantacy	2500	1250	0	0	50	50
Capsicum							
Fruits							
Mango	Mango Seedling through mango stone	1500	30000	0	0	0	0
Mango Plant	Amrapali , Gulab Khas, Mallika, Jardalu & Sundar Langra	1500	105000	0	0	0	0
Guava	Alahabad Safeda	50	2000	0	0	0	0
Litchi	Rose sented	150	6000	0	0	0	0
Papaya	0	0	0	0	0	0	0
Banana	0	0	0	0	0	0	0
Others							
Dragon fruit	Red colour flesk	2000	80000	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		**15200**	**201000**	**-**	**-**	**-**	**-**

Production of Bio-Products : NOT APPLICABLE

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			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	81000	1			
Buffaloes	-	-	-				

Calves	Cross Breed	4	52000	3
Others (Pl. specify)	Cross Breed			
Fisheries				
Mixed carp	-	1000	15000	
Others (Pl. specify)	Rehu Katla	2000	35100	
Grand Total		**3007**	**183000**	**4**

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 :	

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

Item	Title	Author's name	Number	Circulation
Research paper	Exploring genetic diversity in pointed gourd for yield and quality test	M. Ahmad, R.B.Verma, A.Kumar, **R.K.Verma**, V.Kumar, V.Kumar & S.P.Vishwakarma	DOI: 10.5281/Zenodo.73 34359	Scientist
	Pest Scenario in the context of climate change in India	Ram Prakash Sharma, Bipul Kumar Mandal	4th National conference and webinar on doubling farmers income for sustainable & harmonious agriculture, DISHA-2022. (Abstract) pp.42.	
Popular Articles	□□□□□□□□ □□□□□□□ □□□ □□□□ □□ □□□□□□□□	Ankit Singh, Shiwam Singh, Sushmita & **R.K.Verma**	□□□□ □□□ :□□□ 2(03): □□□ 146-148 EISSN.2583-0937	□□□□ □□□
	Drumstick: A multi purpose and nutritive vegetale: Boon to the farmer	**R.K.Verma**, R.B.Verma, V.Kumar, U.Verma, S.P.Vishwakarma, R.Kumar & S Singh	Ecofarming: □□□ 2(03): □□□ 148-154 EISSN.2583-0791	Ecofarming
	□□□□□ □□□ □□□□□□□ □□□ □□□□ □□□□□□□	A.Tiwari, S. Shingh, **R. K. Verma**	□□□□□□□ □□□ 9 (3-4) □□□□□ □□ □□□□□□□ 2022 ISSN. 2394-3912	□□□□ : □□ □□□□□□□ □□ □□□□□□□ □ □□□□□□□
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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	

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:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	HRD Training Programme	Advances in Veterinary and Animal Science for SMS (A.Sci./Fisheries) of KVKs Bihar & Jharkhand	Dr. Sunil Kumar, SMS (Ani. Sci.)	14-16 Dec. 2022	ATARI, Patna
2	HRD component in AICRP on seed (Crops)	Recent Development in Seed Production and Distribution in India	Sri Mritunjay Kumar, Farm Manager	26-28 May 2022	DSF, BAU, Sabour

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	Nawal Kishore Bharti
Address	Sripur, Madhepura
Contact details (Phone, mobile, email Id)	8986129499
Landholding (in ha.)	04
Name and description of the farm/ enterprise	Finger Millet (Ragi)- Potato – Wheat
Economic impact	Rs.182459 system profitability / acre
Social impact	Role model of Production, Productivity & profitability including use of nutri cereals like finger millet/ barnyard millet in existing cropping system in Madhepura district
Environmental impact	Eco friendly
Horizontal/ Vertical spread	Horizontal alongwith verical spread of intensive cultivation of finger millet -early potato – late wheat

Brief: Nawal Kishor Bharti got annual income of Rs.1650000 from Finger Millet, Barnyard Millet, Potato, Maize, Wheat, Rapseed Mustard, lentil & Dairy. He faced problems. By the support of Scientist of KVK, Madhepura and new technology & interventions like method of planting/ sowing, improved and High yielding variety along with timely sowing irrigation and weed management technique, Nutritional management of Dairy Farming etc., he is getting annual income of Rs. 2150000.

Photographs:

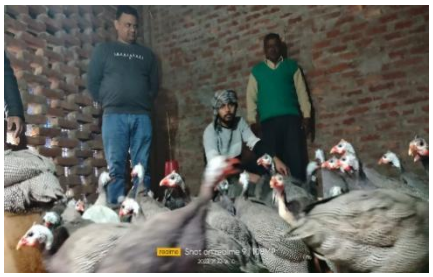


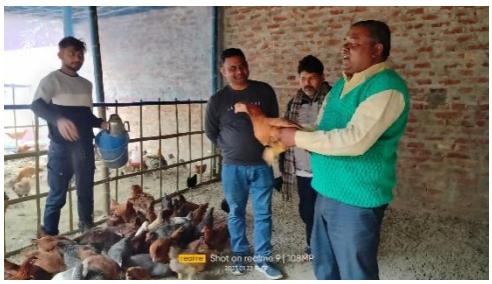

2. Success Story of Rinki Devi:-

Name of farmer	Jatin Kumar
Address	Madhuwan, Udakishunganj, Madhepura
Contact details (Phone, mobile, email Id)	9631126309
Landholding (in ha.)	2
Name and description of the farm/ enterprise	Bater, Poultry & Titar farming
Economic impact	135730
Social impact	Good
Environmental impact	Eco friendly
Horizontal/ Vertical spread	Moderate

Brief: Jatin Kumar got annual income of Rs.72410 from Paddy, Wheat, Maize, etc. He faced problems like Processing etc. By the support of Scientist of KVK, Madhepura and new technology & interventions like Bater, Poultry & Titar farming etc., he is getting annual income of Rs.135730. In addition, there is cost saving of Rs. 63320 in the Bater, Poultry & Titar farming.

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) :

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Finger Millet (Ragi)	Irrigation followed by land preparation then transplanting of Ragi seedlings in dry field.	For getting higher number of tillers in comparison to puddle transplanting or conventional method of finger millet
		Giving pata at 15-25 days after transplanting	Getting average 6-9 tillers l or maximum 13 tillers per hil of finger millet.

		in standing crops of finger millet.	

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 land Water Testing Laboratory

S. N.	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**
Labs	78	78

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	78	17	78	

3.11.d. Details on World Soil Day

S. N.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	World Soil Day	162	06	Sri Rajan Balan, DAO, Madhepura Murari Kumar, Asstt. Dir.Agri. Engg. Mukesh Kumar, SAO, Madhepura Keshaw Kumar Gupta, Asstt. Dir. Chemistry Sanjiv Kumar Tanti, SAO, Madhepura Md. Miraj, DD, ATMA, Madhepura	40	40

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

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

No of student trained	No of days stayed
44	120

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

Date	Name of the person	Purpose of visit

27-28 Dec. 2022	Ravindra Kumar, ADM, Madhepura, Rajan Balan, DAO, Madhepura Md. Miraj, DD, ATMA, Madhepura Sri Awadesgh Prasad Singh, Scientist	Jal shakti abhiyan fair and Farmers Scientist Interaction

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

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

Sl. No.	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	**Integrated Farming system**
Name of the Innovation	Bater, Titar, Poultry, Goat, Duck & Fish farming
Details of Innovator	Jatin Kumar
Back ground of innovation	Took advice & training from KVK, Madhepura through Scientists and start Integrated Farming System About 19 farmers added.
Technology details	Marketing
Practical utility of innovation	Sale in market and farmers

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	**Maize – Groundnut Cultivation**
Name & complete address of the entrepreneur	Chandan Kumar Nirala Village – Baghra, Block – Puraini, 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 impart training and technical support about package and practises of Maize and groundnut.
Timeline of the entrepreneurship development	About 5-7 years ago, when I started cultivation of maize it require high cost of cultivation. I came in contact of Scientists of KVK, Madheupura after that cultivating maize without inter culturing and hence reduce the cost of cultivation.
Technical Components of the Enterprise	• Seeds of hybrid in maize and high yielding variety in groundnut ie. G2-52. • Weedicide (Atrazine) use when crop required. • Training and technical support of scientists.
Status of entrepreneur before and after the enterprise	• Traditional Cultivation of Paddy and wheat after growing of Maize crop.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Due to high labor migration, there is a major problem for cultivation of maize after adoption of cultivation of maize without inter culturing and earthing up the problems may short out and farmer able to grow maize crop successfully.
Horizontal spread of enterprise	He earned about Rs 129000.00 per anum from cereal, oilseed, pulses and milk production.

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
Bihar Kosi Basin development Program	Training

5.2. List of special programmes undertaken during 2022by 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'2022	ATMA, Madhepura	115000.00
Mango Production Training	Training of Farmers	March 2022	ATMA, Madhepura	30000.00
Training of farmers	Training of Farmers	March 2022	ATMA, Khagaria	235520.00
Training of Farmers	Training of Farmers	March 2022	ATMA, Saharsa	130900.00
BKBDP, Bihar	Training of farmers	March 2022	GoB	914772.00
SC-SP	Training & others	April'2022	ATARI	125000.00

(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)

S.N.	Name of Demo Unit	Year of Estab.	Area (Sq.mt.)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of Inputs	Gross Income	
1	IFS	2012	4000	Cross Breed	Milk	1952 Lit	63856	78040	
				Cross Breed	Cow & Calf	4	0	62000	
	Gauva	2012	400	Alahabad Safeda	Gauva	300 Kg	0	3000	
	Fish	2012	1600	Rehu +Katla	Fish	234 Kg	0	35100	Auction
Total							**63856**	**178140**	
2	Monosex Tilapia Fish	2022	400	Monosex Tilapia	Fish	100 Kg	9000	20000	Production expected
3	Nursery	2009	490	Mango		390	7600	27300	
				Guava		18	180	720	
				Litchi		99	1000	3960	
				Dragon Fruit		23	300	1380	
				Cauliflower cabbage , Broccoli		10000	1800	5000	
				Capsicum		10 kg	100	500	
				Papaya		20	100	400	
				Banana		15	500	2160	

						ghaund			
Total							**11580**	**41420**	

6.2.Performance of Instructional Farm (Crops)

Name of Crops	**Date of Sowing**	**Date of Harvest**	**Area (ha.)**	**Details of Production**			**Amount (Rs.)**		**Remarks**
				Variety	**Type of Produce**	**Qty. (q.)**	**Cost of Inputs**	**Gross Income**	
Paddy (Kharif 2022)	15th July 2022	25th Nov. 2022	6.0	R. Mansuri-1	C/S	240.0	300000	960000	DSF, BAU, Sabour
			3.0	S. Sampann	F/S	80.0	150000	360000	
Wheat (Rabi 2022-23)	10th Dec. 2022	20th April 2023	6.0	HD-2967	C/S	120.0 approx	300000	480000	
			3.0	S. Sheshtha	F/S	60.0 approx	150000	270000	

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

S.N.	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	234 Kg	0	35100	Auction
2	Fish Pond	Monosex Tilapia	Fish	100 Kg	9000	20000	Production expected
3.	Dairy	Cross Breed	Milk	1952 Lit	63856	78040	Sold
4	Dairy	Cross Breed	Cow & Calf	4	0	62000	Sold

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)**
Jan. 22 to Dec.22	330	37 days	
Jan.22 to Dec. 22		58	

(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**	**QII**	**Q III**	**QIV**	**Q V**	**QVI**
24.07.2019	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)
24.07.2019	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 balanceas on 01st April 2023
	Kharif	Rabi	Kharif	Rabi	
Rapeseed & Mustard	0	300000	0	300000.00	0
Sunflower	0	120000	0	120000.00	0
Groundnut	0	0	0	0	0

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2023
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea	180000	0	180000	0	0
Lentil	0	450000	0	450000	0
Green gram	0	180000	0	162000	0

7.4. Utilization of KVK funds during the year 2022 (Not audited)

S. N.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	14812989	14812989	12057754
2	Traveling allowances	75000	75000	75000
B. Contingencies				
1	OE + POL	200000	200000	186381
2	HRD	15000	15000	7000
3	Training	234430	231430	231430
4	OFT	75000	75000	75000
5	FLD	75000	75000	75000
6	Extension Activities	18750	18750	18750
7	Building Maintenance	25000	25000	25000
8	SC-SP General	125000	125000	125000
9	Swachhta Expenditure	0	0	0
Total (Contingency)		**7650000**	**765000**	**765000**
TOTAL (A+B)		**15652989**	**15652989**	**12876135**
C. Non-Recurring Contingencies				
1	SC- SP (Capital)	200000	200000	120000
TOTAL (C)		**200000**	**200000**	**120000**
D. REVOLVING FUND		**9626997**	0	0

GRAND TOTAL (A+B+C+D)	25479986	15852989	12996135

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019	7705126.58	1944746.50	1794821.78	7855051.30
2020	7855051.30	2254469.50	1482629.36	8626891.44
2021	8626891.44	2366133.50	1871263.16	9121761.78

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

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Training program	06			✓	
Rabi Mahaabhiyan	01	Rabi		✓	
Farmers Scientist meet	01	Rabi		✓	
Bihar Kosi Basin development program	07		✓		

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/lt. 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	
Skin lumpy	Cattle		0.2%	Mass	

9.1. Nehru Yuva Kendra (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. ***m Kisan*** Portal (National Farmers' Portal/ SMS Portal)

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	3879	3879	6234

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	**Activities undertaken**	**No. of Participants**			
		Staffs	**Farmers**	**Others**	**Total**
17.08.2022	Celebration of Swachhta Pakhwada	12	5	0	17
19.08.2022	Parthenium awareness programme cum Swachhta Pakhwada	12	7	0	19
02	Cleanliness of office permises	12	17	0	58

&06.10.2022					
16.12.2022 to 31.12.22	Cleanliness of office, kisan ghar & other	18	8	0	52

1. **Details of Swachhta activities with expenditure**

Activities	Number	Expenditure (in Rs.)
2. Digitization of office records/ e-office	227	10000
3. Basic maintenance	10	
4. Sanitation and SBM	10	
5. Cleaning and beautification of surrounding areas	6	
6. Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	10	
7. Used water for agriculture/ horticulture application	0	
8. Swachhta Awareness at local level	06	
9. Swachhta Workshops	0	
10. Swachhta Pledge	1	
11. Display and Banner	10	
12. Foster healthy competition	0	
13. Involvement of print and electronic media	0	
14. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
15. No. of Staff members involved in the activities	18	
16. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)	0	
Total	**313**	**10000**

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
Tulsi Public School	6.3.2022	Office permises, Kisan ghar, farm	Importance of Swachhta
P.B. World School	3.4.2022	Identification of dragon fruit, passion fruit, Calf, cow, fish pond & the whole KVK farm	Thorough field visit of KVK, Madhepura farm
Kiran Public School, Madhepura	11.4.2022	Identification of Monosex Tilapia fish & IFS Model	Fish pond and IFS visit

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

of progr	n Minis ters 98pril 98si de	MPs (Loks abha/ Rajya sabha	of State Govt. Minis	Participants (No.)	by Door Darsh	by other chann

				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 Involved	No. of Partici pants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning & Senitization of Office premises and others	3	91	0	0

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Partici pants	No. of VIPs	Name (s) of VIP(s)
1	Group discussion, Training etc.	7	68	0	0

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	Nawal Kishor Bharti	Village- Sripur, Madhepura 8292903269	Millet Cultivation
2	Jatin Kumar	Village- Madhuwan, Udakisunganj 8298608419	Bater, Titar and Poultry farming
3	Sri Chandan Kr. Nirala	Village-Baghra, Puraini 8521980057	Groundnut & Maize Cultivation
4	Pappu Kumar	Village – Kolhaypatti, Murliganj 8340596136	Flower & Plant Nursery
5	Devnandan Mandal	Village- Kolhua, Shankarpur 6204480239	Vegetable Grower

9.14. **Revenue generation**

S.N.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Seed Production	1532598.00	KVK, Madhepura
2.	Kisan Ghar Charge	179760.00	KVK, Madhepura
3.	IFS	46100.00	KVK, Madhepura
4.	Milk Production	201690.00	KVK, Madhepura
5.	Horticulture unit (Orchard) + Plants	130904.00	KVK, Madhepura

9.15. Resource Generation:

S.N.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. Lakhs)	Infrastructure created
1	Validation & assessment/Farmers scientist interaction	Training & others	ATMA, Madhepura	**145000.00**	Training & others

2	Training	Training	ATMA, Saharsa	**130900.00**	Training
3	Training	Training	ATMA, Khagaria	**235520.00**	Training
4	Bihar Kosi Basin development programme	Training of farmers under Kosi region	Govt. of Bihar	**914771.00**	Training
5	CRA Program	Trials	Govt. of Bihar	**7275994.00**	Trials
6.	Makhana Development Scheme	Training of Makhana grower	Govt. of Bihar	**75000.00**	Training
7.	CIMMYT collaborative project – CSISA & ICAR	Trials	CIMMYT	**100000.00**	Trials
8	BSDM	Training	Govt. of Bihar	**1216608**	Training

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

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

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

a) Year: 2022

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 2022 :-

KVK 1 :Rice-Wheat system optimization through crop establishment

Objective:

To evaluate the effect of DSR on yield and profitability at the systems level

Treatments:

S. N.	Treatment
T1.	Vattar (dust mulch) DSR followed by zero tillage wheat under BMP practice
T2.	Puddled transplanted rice followed by zero tillage wheat under BMP practice
T3.	Puddled transplanted rice followed by conventional tillage wheat DOS/ DOT as per farmer practice

Date of Sowing : 10th June to 18st July 2022

Replication : 10

Result :Data submitted to CSISA,CIMMYT Office,Patna for data 100pril100sing

KVK 2 (Demonstration 1): Performance of DSR under dust mulch (presowing irrigation or equivalent pre-monsoon rain)

Objective:

To demonstrate the performance of DSR compared to puddle transplanted rice

Treatments: The following treatments will be demonstrated:

Sr. No.	Treatment
T1.	DSR + presowing irrigation and postsowing irrigation @ 15-21 days after sowing (DAS)
T2.	Puddle transplanted rice (check)

Total sites/ Replication : 3

Plot size: minimum of 0.5 acreper treatment depends on the field size

Date of Sowing : 10th June to 18st July 2022

Result :Data submitted to CSISA,CIMMYT Office,Patna for data 101pril101sing

KVK 3 (Demonstration 2) :Demonstrating benefits of IWM in transplanted rice where adoption is low and likely impact high based on LDS data (combined with Field days)

Objective:

To demonstrate the benefits of integrated weed management in transplanted rice in low adoption regions

Treatments:

Sr. No.	Treatment
T1.	Farmer's practice (Current farmer's weed management practice)
T2.	IWM (Bispyribac + pyrazosulfuron (20+ 20 g ai/ha) at 20 DAT fb one spot hand weeding.

Total sites/ Replication: 45

Plot size: ~1 acre per treatment depends on the field size

Date of sowing :3rd June to 20th July 2022

Result :Data submitted to CSISA,CIMMYT Office,Patna for data 101pril101sing

KVK 4 : Integrated weed management of perennial weeds (*Cynodondactylon* and *Cyperus rotundus*) in transplanted rice-wheat systems of eastern IGP and in rice-based systems

Objective: To identify cost-effective integrated options for the management of perennial weeds

Treatments:

This would be under transplanted rice in Bihar and EUP. In Odisha, it can be under DSR or transplanted rice

Treatment	**Rice (Transplanted rice)**	**Wheat**
T1: FP	Current Farmer's practice* *See note below for weed control within-season*	Current Farmer's practice* - conventional tillage wheat
T2: Summer deep ploughing in April/May and glyphosate prior to land preparation	Summer deep ploughing in April/May. About 7 days Prior to land preparation for rice establishment, spray glyphosate + land preparation (tillage + puddling) *See note below for weed control within-season*	Glyphosate as pre-plant application before wheat sowing under ZT
T3: Glyphosate in summer followed by glyphosate prior to land preparation	In summer (late 101pril/ May)- apply glyphosate**. About 7 days prior to land preparation apply glyphosate + land preparation (tillage + puddling) *See note below for weed control within-seaso* *** It is important that weeds should not be under stress when apply glyphosate for good*	Glyphosate as pre-plant application before wheat sowing under ZT

	efficacy. Therefore, apply irrigation few days prior to glyphosate application if weeds are under water stress. Use clean water. Muddy water reduce efficacy of glyphosate. We preferably add ammonium sulfate or urea 1.5% v/v as surfactant	

Total sites: 3 sites per district
Date of sowing :3rd June to 20th July 2022
Result : Data submitted to CSISA,CIMMYT Office,Patna for data 102pril102sing

KVK5: Reducing seed rate of rice through rice nursery enterprise (RNE), 10 RNEs in each district
Area: 1 Acre

Objective: To reduce seed rate of Rice through Rice nursery enterprise (RNE)

Rice seed rate: 180 kg/acre, rice seed 90 kg uses for 0.5 acre

Raising rice nursery area: 0.5 acre

Rice seed requirement: 90 kg

Treatment 1:7.5 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).

Treatment 2:15 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).

Treatment 3: 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).

Layout for 0.5 acre rice nursery area:

Total sites: 30
Implementation: On-farm through KVKs and CSISA
Location: E. Champaran, Begusarai, Lakhisarai, Muzaffarpur, Rohtas, Ara, Buxar, Madhepura, (BR); Kushinagar, Deoria, Maharajganj, Gorakhpur (EUP)
Plot size: 100-300 m^2 per treatment depends on the field size

The following trials have been conducted during Rabi 2022-23 :-

KVK-1. Performance of timely sown (TSWVs) and late sown wheat varieties (LSWVs) under different sowing schedules across ecologies.

Objective:

Comparative study of yield performance of cultivars recommended for Timely sowing with cultivars recommended for early /late sown conditions under early/ late sown conditions

Treatment	Method	DOS
Set 1 with Cultivar HD 2967 or HD 2733		
Two Set of Seeding Dates have been removed for this trial		
1	Zero-Till Drill Wheat sowing	21st to 30th Nov
2	Zero-Till Drill Wheat sowing	1st to 15th Dec
3	Zero-Till Drill Wheat sowing	16th to 31st Dec
Set 2 with Cultivar PBW 373 or HD 2985 or HI 1563		
Selection of SDV to be discussed mutually (seed will be purchased from one place and distributed at all sites)		

1	Zero-Till Drill Wheat sowing	21st to 30th Nov
2	Zero-Till Drill Wheat sowing	1st to 15th Dec
3	Zero-Till Drill Wheat sowing	16th to 31st Dec

Replication: 10, Plot Size : 0.5 acre **Method of sowing:** Zero Till

Date of Sowing : 02 Nov. to 18 Dec. 2022

Replication : 10

Result :Crops in Standing stage

KVK-2. Assessing the effect of irrigation intensification on productivity of early and late planted wheat under conventional (CT-Broadcast and CT-Line Sowing) and zero tillage (ZT)

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 design:

Early sown fields (before Nov 7- 20th)	
T1	***CT (Broadcasting and Line Sowing)*with *3* irrigations (21 DAS, 65 DAS, 105 DAS)**
T2	***CT (Broadcasting and Line Sowing)*with *4* irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)**
T3	***ZT* with *3* irrigations (21 DAS, 65 DAS, 105 DAS)**
T4	***ZT* with *4* irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)**
Late sown fields (Dec 16th to 25st)	
T1	***CT (Broadcasting and Line Sowing)*with *2* irrigations (21 DAS, 65 DAS)**
T2	***CT (Broadcasting and Line Sowing)*with *3* irrigations (21 DAS, 65 DAS, 105 DAS)**
T3	***ZT* with *2* irrigations (21 DAS, 65 DAS)**
T4	***ZT* with *3*irrigations (21 DAS, 65 DAS, 105 DAS)**

No. of sites: 8 sites with 4 CT and 4 ZT..

Plot size: Minimum 0.5 acre

Replication: 8

Variety of wheat: HD2967

Date of Sowing : 02 Nov. to 18 Dec. 2022

Replication : 10

Result :Crops in Standing stage

KVK-3: Integrated weed management of perennial weeds (*Cynodondactylon* and *Cyperus rotundus*) in transplanted rice-wheat systems of eastern IGP and in rice-based systems of Odisha

Objective: To identify cost-effective integrated options for the management of perennial weeds

Treatment: 3 This would be under transplanted rice in Bihar and EUP. In Odisha, it can be under DSR or transplanted rice.

Treatment	Rice (Transplanted rice)	Wheat
T1: FP	Current Farmer's practice* *See note below for weed control within-season*	Current Farmer's practice* - conventional tillage wheat
T2: Summer deep ploughing in	Summer deep ploughing in April/May. About 7 days Prior to land preparation for rice establishment, spray	Glyphosate as pre-plant

April/May and glyphosate prior to land preparation	glyphosate + land preparation (tillage + puddling) *See note below for weed control within-season*	application before wheat sowing under ZT
T3: Glyphosate in summer followed by glyphosate prior to land preparation	In summer (late 104pril/ May)- apply glyphosate**. About 7 days prior to land preparation apply glyphosate + land preparation (tillage + puddling) *See note below for weed control within-season* *** It is important that weeds should not be under stress when apply glyphosate for good efficacy. Therefore, apply irrigation few days prior to glyphosate application if weeds are under water stress. Use clean water. Muddy water reduce efficacy of glyphosate. We preferably add ammonium sulfate or urea 1.5% v/v as surfactant*	Glyphosate as pre-plant application before wheat sowing under ZT

Total sites: 3
Date of Sowing : 02 Nov. to 18 Dec. 2022
Replication : 10
Result :Crops in Standing stage

KVK-4: Phosphorus reduction and omission trials in rice

Objective:
To evaluate the yield effect of reducing or omitting P fertilizer in rice wheat systems

Treatments:

S. N.	Treatment
T1.	**60 P_2O_5** rice ***(fb)*** **60 P_2O_5** wheat*
T2.	**0** P_2O_5 rice***(fb)*****60 P_2O_5** wheat*
T3.	**30 P_2O_5**rice ***(fb)*****30 P_2O_5** wheat*

150 N and 40 K_2O is be applied in all treatments and crops
Conduct trials in soil with High and Low P based on DSM.
Total sites: 3
Plot size: 100-300 m^2 per treatment depends on the field
Date of Sowing : 2nd Nov. to 18 Dec. 2022
Replication : 10
Result :Crops in Standing stage

18. Details of TSP: NOT APPLICABLE

a. Achievements of physical output under TSP during 2022

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		

e.	Production of fingerlings (No. in lakh)	
f.	Testing of Soil, water, plant, manures samples (Nos.)	
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2022-23 (Rs. In lakh):

c. Achievements of physical outcomeunder TSP during 2022-23

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 SC-SP**

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women	12	355
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		03	145
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		Total
		M	F	M	F	M	F	M	F	

Detailed report should be provided in the circulated Performa

14.a) Awards/Recognition received by the KVK in year 2022 : NOT APPLICABLE

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

19. 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

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

21. 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	U01100BR-2019	25TH APRIL 2019 VILLAGE –	aromatic plants &	Aromatic Oils, Food	412		

	PRODUCER COMPANY LTD.	PTC041836	BAKHARI, SINGHESHWAR (MADHEPURA)	food grains	Grains			
2	BABA NIRMAL DAS		2019 Madhepura	Vegetable grower		446		
3	SABRI SUDAMA		2021 Kumarkhand	Mushroom cultivation		255		
4	Murliganj Farmer producer company ltd.		2022 Murliganj, Madhepura	Mango		300		
5	Gamharia Farmer producer company ltd.		2022 Gamharia, Madhepura	Mango		300		
6	Gwalpada farmer producer company		2022 Gwalada, Madhepura	Mango		300		

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	Pond	1600 sq m	Rehu & Katla fish	0	35100	20	0.5
2	Dairy	400 sq m	Cow & Calf	63856	78040		
3	Guava	400 sq m	Guava	0	3000		

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.							

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)	250000	19	

		Rice-Wheat-Green Gram cropping system or 3.25 times of Rice – Rabi Maize cropping 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)

21. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019-20, 2020-21, 2021-22 & 2022-23

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 partici pants**	**Whether uploaded to SDMS Portal (Y/N)**	**Fund utilized for the training (Rs.)**
Bihar Skill Development Mission							
2019	Gardener	Dr. Mithilesh Kumar Roy	15/03/2019	30/05/2019	30	Y	
2019	Gardener	Sri R.K Verma & Dr. R.P Sharma	15.03.2019	30.05.2019	30	Y	
2021	Vermi compost	Dr Sunil Kumar & Sri Mritunjay Kumar	15.01.2021	22.02.2021	30	Y	
2022	Gardener	Dr. Ramprakash Sharma & Sri Rahul Kumar Verma	15.03.2022	20.05.2022	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	Dr. R.P Sharma			20	Y	

	keeping						

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 APPLICALE

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.					
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 beneficiaries

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

Krishi Kalyan Abhiyan- I/II : NOT APPLICABLE

A. Training

Name of programme	***No. of programmes***	***No. of farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I											
KKA-II											

B. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals/ birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

D. Other activities

Name of programme	Activities	No. of farmers benefited									No. of other officials (except KVK) attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	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. Climate ResilientAgriculture : Kharif 2022

Name of Intervention		**Physical Target(acre)**	**Physical Achievement (acre)**	**Non Demonstration coverage area (acre)**
ZT DSR	Zero Tillage	325	67	4
	Drum Seeker		2	0
	SRI (Line transplanting)		256	0
Puddled Transplanted Rice	AWD in Rice	60	60	5
	Water harvesting & Field Bunding in Rice (WH & FB)	40	40	0
	Nutrient expert/ Green seeker	40	40	0
	SRI (Line transplanting)	130	130	0
Any Other	Laser Land Levelling	100	104	10
Total Area Covered (acre)		**695**	**699**	**19**

26. Climate ResilientAgriculture : Rabi 2022-23

S.N.	**Intervention**	**Crops**	**Varieties**	**Target**	**Achievement**
1.	ZT Wheat	Wheat	DBW-187,HD- 2967, Sabour Shrestha	320	320

2.	ZT /Line sowin lentil	Lentil	HUL 57	50	50
3	RB/Line/ZT mustard	Mustard	R.Suflam	50	50
4	RB Wheat	Wheat	DBW 187	75	75
5	RB Maize	Hybrid Maize	Bahuwali	67	67
6	RB Potato	Potato	K.Khayati	10 (3acres)	10
7	Maize + Potato	Maize,Potato	Bahuwali, K.Khayati	30	30
8.	Greenseeker/INM/NE	Maize,Wheat	Bahuwali ,DBW 187	21	21

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

S.N.	Date	Venue	Name of Programme attended	Organized by	No. of Beneficiaries
1	01.01.2022	KVK, Madhepura	PM KISAN SAMMAN NIDHI YOJNA PROG.	ICAR	39
2	10.02.2022	KVK, Madhepura	World Pulse Day	ICAR	76
3	08.03.2022	KVK, Madhepura	International Women Day	ICAR	68
4	25.04.2022	KVK, Madhepura	Live telecast on National Campaign under Azadi Ka Amrit Mahotsav	ATARI, Patna	60
5	26.04.2022	KVK, Madhepura	Live telecast on Kisan Bhagidari, Prathmikta Hamari	ATARI, Patna	302
6	28.04.2022	KVK, Madhepura	Live telecast on Kisan Bhagidari Prathmikta Hamari on Horticultural crops	ATARI, Patna	48
7	04.05.2022	KVK, Madhepura	Jal Jiwan Hariyali Diwas	KVK, Madhepura	72
8	31.05.2022	KVK, Madhepura	Live telecast & intraction of Hpn'ble PM to beneficiary under Garib Kalyan Sammelan	BAMETI, Patna	64
9	05.06.2022	KVK, Madhepura	World environment day	KVK, Madhepura	12
10	21.06.2022	KVK, Madhepura	International Yoga Day	KVK, Madhepura	14
11	16.07.2022	KVK, Madhepura	ICAR Foundation day	ICAR, New Delhi	222
12	20.07.2022	KVK, Madhepura	SAC Meeting	KVK, Madhepura	60
13	15.08.2022	KVK, Madhepura	Independence day	KVK, Madhepura	50
14	16-22.08.22	KVK, Madhepura	17th Parthenium eradication awareness program	KVK, Madhepura	77
15	01-07.09.22	KVK, Madhpura	Nutrition week	KVK, Madhepura	52
16	17.09.2022	KVK, Madhepura	Poshan Watika cum tree plantation day	KVK, Madhepura	120
17	17.10.2022	KVK, madhepura	PM Kisan Samman Sammelan	KVK, madhepura	340
18	10.11.2022	KVK, Madhepura	Jal Shakti Abhiyan Training	KVK, Madhepura	51
19	15.11.2022	KVK, Madhepura	Jal Shakti Abhiyan Training	KVK, Madhepura	325

20	05.12.2022	KVK, Madhepura	World Soil day	KVK, Madhepura	162
21	23.12.2022	KVK, Madhepura	Kisan Diwas	KVK, Madhepura	65
22	27-28.12.2022	KVK, Madhepura	Farmers Scientist Intraction	KVK, Madhepura	30
TOTAL					**2309**

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

Pm Kisan samman yojna 01.01.22

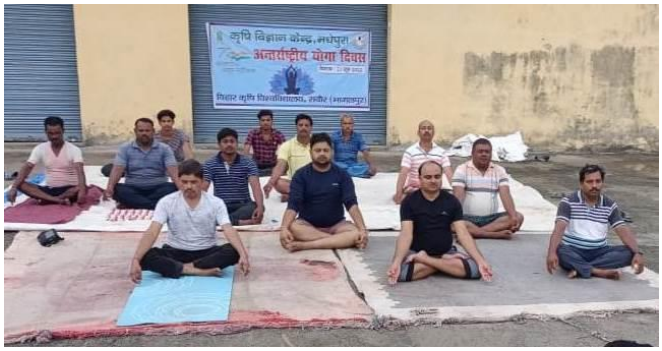
Republic Day 26.01.2022

World Soil Day 10.02.2022

International Women Day 08.03.2022

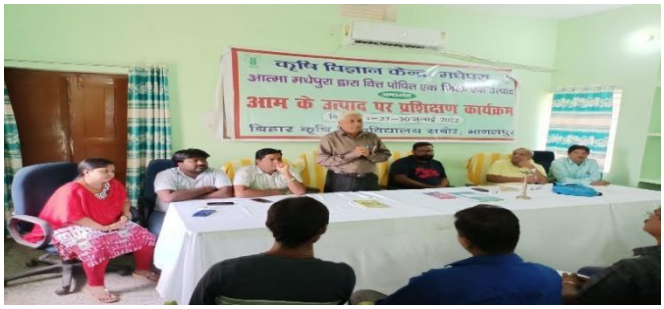
Azadi ka amrit mahotsaw 25.04.22

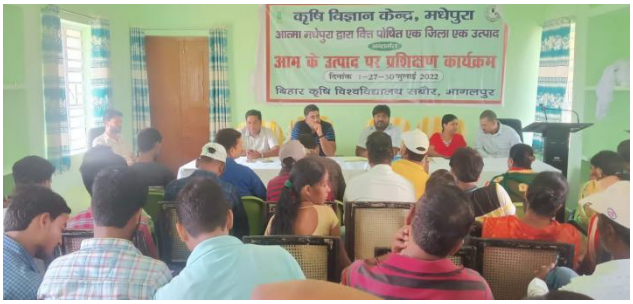
Kisan Bhagidari Prathmikta Hamari 26.04.2022



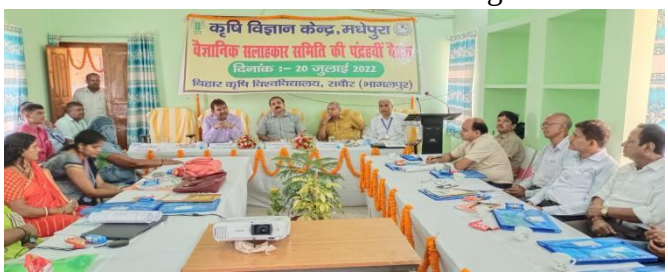
International Yoga Diwas 21.06.22

94th ICAR Foundation Day 16.07.22



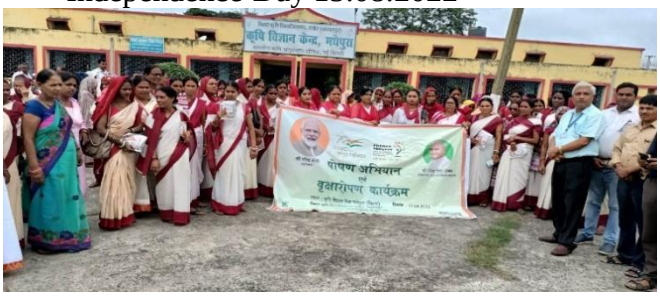


Mango Production Training on July 2022



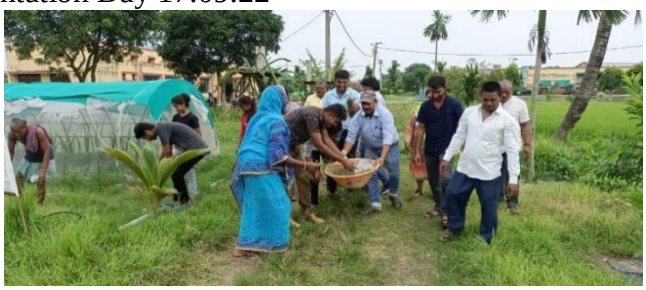
SAC Meeting 20.07.22

Independence Day 15.08.2022



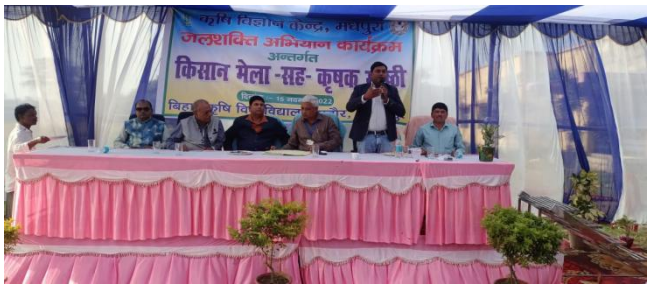
Poshan Abhiyan Cum Tree Plantation Day 17.09.22

Swachhta Diwas on

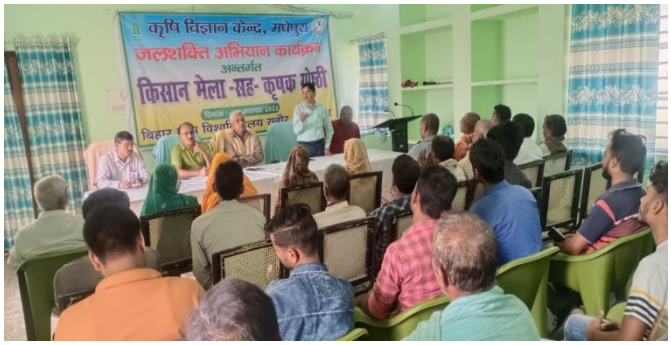


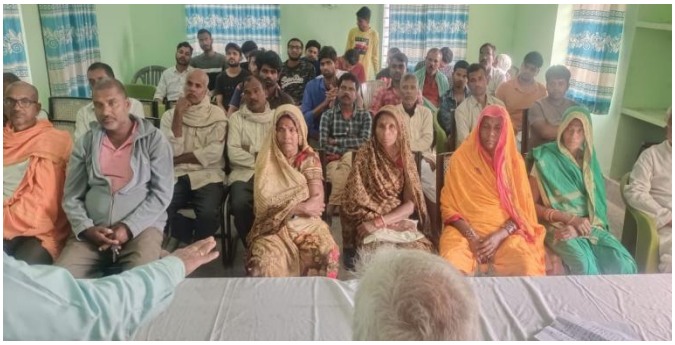
Swachhta Diwas

PM Kisan Samman Sammelan 17.10.2022



Jal Shakti Abhiyan Kisan Mela





Jal Shakti Abhiyan Training 10.11.22 & 15.11.2022

World soil day 05.12.2022

World Soil Day 05.12.2022

Vegetable Plant distribution in FLD under SC- SP

SC- SP Training

Kisan Diwas cum SC – SP Prog. 23.12.2022

Farmers Scientist Intraction 27-28/12/22

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