KRISHI VIGYAN KENDRA NALANDA (BIHAR)

ANNUAL REPORT

(2022)

BIHAR AGRICULTURE UNIVERSITY SABOUR, BHAGALPUR - 813210

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

1. GENERAL INFORMATION ABOUT THE KVK

KrishiVigyan Kendra, Harnaut, Nalanda was established in August 1992 vide ICAR Sanction number PA/ADG/KVK/92 DATED 24TH April under RAU, Pusa, Samastipur, Bihar which later on came under the jurisdiction of BAU, Sabour, Bhagalpur. This Kendra is located at Patna Ranchi NH-31 at the distance of 11 km south from Bakhtiarpur Railway Station and the nearest railway station is Harnaut. The centre is situated at 25 Km from the district headquarter at Biharsharif and its geographical location is 25.30 degree N Latitude and 85.15 degree East Latitude in the southern part of Bihar. The district Nalanda has total geographical area of 2,34,309 ha of which 30,282 ha comes under Tal area where only rabi crop is cultivated due to water stagnation in Kharif season. The district comprises of 20 blocks. The climate of the district is hot summer with hot waves and the maximum temperature reaches upto 40-44^{0}c in April-June and minimum temperature falls to 4^{0}c in Dec-Jan. The average annual rainfall of the district is 943.50 mm of which 80% is received during June-September. The soil texture of the district is sandy loam to clayey loam having pH range of 6.5 to 7.8. The soil of the district has low to medium level of Nitrogen and Phosphorous and medium to high level of Potash. Zinc deficiency is widely pronounced in the district. Good response of sulphur is usually visible specifically in oilseeds crops. The objective of the KVK Nalanda is to disseminate improved technologies in agriculture and allied fields by organizing need based skill-oriented short and long-term training programmes for the practicing farmers, rural youth and farm women, conducting demonstrations on improved technology and products as well as assessment of the existing technologies to recommend the best suited technology to the line department and farmers with the ultimate aim to increase production and productivity of crops and livestock, development of enterprises for increasing income generation and others.

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Harnaut, Nalanda Bihar (803110)	06112- 276 000	06112-276000	nalandakvk2017@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur-(813210)	06412- 452606	06412-452606	vcbausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr Brajendu Kumar	9431659922	9431659922	nalandakvk2017@gmail.com

1.4. Year of sanction of KVK: Sanction number PA/ADG/KVK/92 dated 24th April 1992.

1.5. Staff Position (**as on 31st December 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Level with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr Brajendu Kumar	Senior Scientist and Head	Fisheries Science	Level 13A,+ 1,39,400	25/08/2019	Permanent	Others
2	Subject Matter Specialist	Dr. Jyoti Sinha	Subject Matter Specialist	Home Science	Level 11+ 110500	07.07.2001	Permanent	Others
3	Subject Matter Specialist	Dr. Umesh Narayan Umesh	Subject Matter Specialist	Soil Science	Level 10+ 92,500	11.06.2009	Permanent	Others
4	Subject Matter Specialist	Smt. Vibha Rani	Subject Matter Specialist	Horticulture	Level 10+71,100	03.05.2012	Permanent	Others
5	Subject Matter Specialist	Dr. Sanjeev Ranjan	Subject Matter Specialist	Veterinary Science	Level 10+ 67,000	23.03.2015	Permanent	Others
6	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Kumari Punam Pallavi	Lab tech.	Agri. Microbiology	Level 6+ 46,200	30.10.12	Permanent	SC
9	Computer Programmer	Vacant	-	-	-	-	-	-
10	Farm Manager	Mr.Mukesh Kumar	Farm Manger	B.Sc (Ag)	Level 6+ 46,200	26.10.12	Permanent	OBC
11	Accountant / Superintendent	Mr. Ganpati Chaudhary Chaudhary	O.S. - Cum-Accountant	M.Com with UCG NET qualified	Level 6+ 44,900	16.04.2013	Permanent	Others
12	Stenographer	Miss Arpana Kumari	Stenographer	M.A (History)	Level 4+ 32,300	18.06.13	Permanent	Others
13.	Driver	Sri Adhik Kumar Singh	Driver	Matric	Level-3+ 26,800	09.05.15	Permanent	OBC
14.	Driver	Sri Rakesh Kumar	Driver	Matric	Level 3+ 26,800	09.05.15	Permanent	OBC
15.	Supporting staff	Vacant	-	-	-	-	-	-
16.	Supporting staff	Sri Basant Ram	Supporting Staff	-	Level 1+ 31,100	10.07.95	Permanent	OBC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	5.6
2.	Under Demonstration Units	0.4
3.	Under Crops	6.0
4.	Orchard/Agro-forestry	4.0
5.	Others with details	4.0
	Total	**20.00**

Total area should be matched with breakup

1.7.Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	Completed	450	In use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	305	In use	ICAR
3.	Staff Quarters (6)								
	a. PC Quarter	-	-	-	-	Completed	75	Not in use	ICAR
	b. Programme Assitant (2 unit)					Completed	115	Not in use	ICAR
	c. Supporting Staff (2 unit)	-	-	-	-	Completed	87	Not in use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor					Completed		In use	
8	Farm godown					Completed	150 m^2	In use	GOB, BAU
9.	Dairy unit	-	-	-	-	Completed	**12m^2**	-	GOB/BAU
10.	Poultry unit	-	-	-	-	Completed	**13.75 m^2**	-	GOB/BAU
11.	Goatary unit	-	-	-	-	Completed	**13.75 m^2**	-	GOB/BAU
12.	Azolla Unit	-	-	-	-	Completed	25.96 m^2	In use	CRA Program

13.	Mushroom Spawn Lab	-	-	-	-	Completed	70 m^2	In use	BSDM , ICDS
14.	Mushroom production unit (2)	-	-	-	-	Completed	120 m^2	In use	BSDM , ICDS
15.	High density orchard	-	-	-	-	Completed	855 m^2	In use	ICAR
16.	Vermicompost Unit	-	-	-	-	Completed	11 m^2	In use	ICAR
17.	Nutrition garden	-	-	-	-	Completed	502 m^2	In use	NARI
18.	Shade house (2)	-	-	-	-	Completed	666 m^2	In use	NHM
19.	Soil test Lab					Completed	44 m^2	In use	ICAR
20.	Pump house & generator house (Harnaut) Pump house & generator house (Bhaganbigha)	- -	- -	- -	- -	Completed Completed	21m^2 21m^2	In use In use	ICAR ICAR
21.	10 HP motor pump submersibal with accessory (Harnaut) 10 HP motor pump submersible with accessory, Bhaganbigha	- -	- -	- -	- -	Completed Completed	1 no. 1 no.	In use In use	ICAR ICAR
22.	Tubewell 300*200mm (Harnaut) Tubewell 300-200mm Bhaganbigha	- -	- -	- -	- -	Completed Completed	125m 125m	In use In use	ICAR ICAR
23.	Plant health Clinic	-	-	-	-	Completed	1324 m^2	In use	RKVY
24.	Micro irrigation System					Completed	2ha	In use	KVK/ CRA Program

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero Jeep	2012	5,12,360	240180	Unsatisfactory
Motor cycle (Old)	1994	22,549	N.A	Unsatisfactory
New Tractor	2019	8,29,000	662.5 hrs	Satisfactory
Tractor with trailer	1998	298084	-	Unsatisfactory
Motor cycle No.1 (BR-01CS2624)	2015	1,19,927	8025	Satisfactory
Motor cycle No.2(BR-01CS2625)	2015		9070	Satisfactory

C) Equipment & AV aids

Lab equipment				
Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Refrigerator	28-5-05	RAU, Pusa	Non - Working	-
Satabelizer-2	31-03-04	1600	Non -Working	-
Sewing machine, hand with cover	31-03-07	2384	Working	-
Usha sewing machine, foot with cover	31-03-07	3975	Working	-
Exhibition kit for display	31-03-07	10990	Non -Working	-
Physical Balance	28-05-05	7345	Working	-
Chemical Balance	28-05-05	1,10740	Non -Working	-
Conductivity Metter	28-07-05	10,170	Working	-
Digital PH Metter	28-07-05	10,170	Working	-
Spectro Photometer	28-07-05	61020	Non- Working	-
Flane photometer	28-07-05	47460	Working	-
Hot plate	15-09-05	9040	Working	-
Hot air oven	15-09-05	15,255	Non - Working	-
Shaker	15-09-05	25425	Working	-
Graider	15-09-05	25425	Working	-
Digestion & Distillation system	15-09-05	30510	Non-Working	-
Mridaparikshak	26.11.2015	75,000	Non-Working	
Polythine ware	15-09-05	25907	In Use	-
Glass wave	15-09-05	91704	In Use	-

Chemicals	15-09-05	102544	-	-
Water Distillation steel	28-05-05	54240	Working	-
Stabilizer	28-05-05	4000	Non-Working	-
Autoclave	31-03-14	64,695	Working	-
Hot air oven	31-03-14	73,207	Working	-
Corcyra rearing system with insect light trap	09-02-15	51,400	Non - Working	-
GPS navigation	08-02-16	17,593	Non -Working	-
Digital weighing balance	09-06-16	3500	Working	-
Groundnut decorticator (Manually operated)	08-12-16	23,500	Working	-
Water Cooler	26-09-16	59,500	Working	-
LED TV			Working	-
Still photographic camera			Non -Working	-
Lenovo portable hard drive			-	-
Vacuum cleaner				-
Fire extinguisher			Working	-
Name of equipment	Year of purchase	Cost (Rs.)		Source of fund
Generator	27-5-07	DEE RAU, Pusa	Non-Working	-
Motorcycle (02)	30-11-15	1,19,927	Working	-
Name of equipment	Year of purchase	Cost (Rs.)		Source of fund
Computor-D-330	28-5-05	33765	Non-Working	-
Exide Battery	28-5-05	8917	Non-Working	-
Computer table	28-5-05	5935	Non-Working	-
hp-printer	28-5-05	5775	Non-Working	-
Fax machine	26-2-07	15600	Non-Working	-
Computer HP Desk	26-2-07	32000	Non-Working	-
HP BIJ 1000	26-2-07	6800	Non-Working	-
HP LCD Monitor	26-2-07	3950	Non-Working	-
RN 256	26-2-07	1300	Non-Working	-
HP 5J	26-2-07	2600	Non-Working	-
HP Ledger Jet	26-2-07	6199	Non-Working	-
UPS	30-9-05	10100	Non-Working	-

UPS	25-9-07	Purchase by DEE RAU, Pusa	Non-Working	-
Photocopy Machine	28-5-05	Purchase by DEE RAU, Pusa	Non-Working	-
Over head projector	28-5-05	21000	Non-Working	-
Tripul Stand with screen	28-5-05	2200	Working	-
Stabilizer	28-5-05	2460	Working	-
Over head projector	31-03-04	12500	Non-Working	-
Slide projector	31-03-04	14500	Non-Working	-
Green chok Board 5"*4"	31-03-04	5700	Working	-
Green chok Board 4'*3'	31-03-04	3900	Working	-
Exhibition kit with stand	31-03-04	13990	Working	-
Easeal stand four Board	31-03-04	1190	Working	-
Perforated Board 4"*3"	31-03-04	2550	Working	-
Portable PA Sat (Ahuja)	31-03-04	10990	Working	-
Micke (Ahuja)	31-03-04	1340	Working	-
Kodak digital camera	31-03-04	21800	Non -Working	-
Display Board 3"*2"(3)	31-03-04	3150	Working	-
Display Board 4"*3"	31-03-04	1980	Working	-
Display Board with acrylic cover.4"*3"	31-03-07	4850	Working	-
Display Board with acrylic cover.2"*3"	31-03-07	13250	Working	-
Magnetic display Board 2"*3"	31-03-07	2515	Working	-
Magnetic display Board 4"*5"	31-03-07	4531	Working	-
Welcome Board	31-03-07	4500	Non-Working	-
Pedestal stand	31-03-07	1000	Status	-
Sanya LCD Projector Model D5030 200 Ansz	30-03-11	39500	Satisfactory	-
Stand for Projector	30-03-11	3100	Satisfactory	-

Ahuja Amplifier SSA 160 EM	30-03-11	9080	Satisfactory	-
Ahuja Speaker SCM 30	30-03-11	1770	Satisfactory	-
Studio master codeless microphone	30-03-11	4855	Satisfactory	-
Studio Master codeless microphone (Tie Clip)	30-03-11	4855	Satisfactory	-
Xerox Photocopier machine	19-06-10	60030	Satisfactory	-
Spiral machine	07-07-11	4700	Satisfactory	-
Fan	22-11-11	1982	Satisfactory	-
Xerox photocopier	29-06-16	99,485	Satisfactory	-
Desktop computer with laptop	31-03-16	82,583	Satisfactory	-
CCTV camera and DVF with accessories		21,000	Satisfactory	-
LED flood light		6500	Satisfactory	-
Sound system		30,165	Satisfactory	-
Video camera handycam		82,871	Satisfactory	-
Project with tripod projector screen		52,000	Satisfactory	-
APC UPS	22-09-16	44,900	Satisfactory	-
Trunk with stand	19-01-17	7850	Satisfactory	-
Panasonic LED TV with sound box	31-03-16	68,500	Satisfactory	-

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zero tillage machine-2	25-05-07	24500	-	-
Pump Set	19-04-05	27739	-	-
Tractor Drown Inclined Plate Planter-1	10-03-04	Send by CIAE under oil seed F.L.D. centre	-	-
CIAE Multi Crop thresher-(1)	10-03-04		-	-

CIAE Manual weeder -(20)	10-03-04		-	-
CIAE II –2 Row animal drown mustard Seed drill-2	10-03-04		-	-
Mobile seed Grading (Send by Director seed RAU, Pusa) Unit	4-10-05	8,25,583	-	-
Zero tillage machine-2	25-05-07	24500	-	-
Pump Set	19-04-05	27739	-	-
Tractor Drown Inchined Plate Planter-1	10-03-04	Send by CIAE under oil seed F.L.D. centre	-	-
CIAE Multi Crop thresher-(1)	10-03-04		-	-
CIAE Manual weeder -(20)	10-03-04		-	-
Power reaper	28-03-11	96000	Satisfactory	-
Power thresher	30-03-11	100000	Satisfactory	-
Rotavator	30-03-11	85900	Satisfactory	-
Rotavator with side disk tool kit bag.	30-03-11	Supplied by RAU, Pusa	Satisfactory	-
Weighting machine	31-03-11	17550	Satisfactory	-
Weighting machine 20 kg test weight	31-03-11	1000	Satisfactory	-
Weighting machine 10 kg test weight	31-03-11	500	Satisfactory	-
Power tiller	28-03-11	126720	Satisfactory	-
Zero tillage machine –	17-11-12	37600	Satisfactory	-
Zero tillage machine	23-11-12	37600	Satisfactory	-
Potato planter	22-11-10	40000	Satisfactory	-
Potato digger rows	22-11-10	46500	Satisfactory	-

Laser Land leveller & accessories	2012	3,76,000	Satisfactory	-
Straw beller	2012	8,60,000	Satisfactory	-
Fruit grader	2012	25,000	Satisfactory	-
Motorized dal mill	01-11-12	30,000	Satisfactory	-
Tools kit		3400	Satisfactory	-
Manual augar	2011	1600	Satisfactory	-
Regular secatiur		330	Satisfactory	-
Manually operated lawn/grass cutter		4600	Satisfactory	-
Rocker sprayer		4300	Satisfactory	-
Bulb planter		200	Satisfactory	-
Grafting machine slotcut			Satisfactory	-
Water cane		235	Satisfactory	
Cultivator	2011	300	Satisfactory	-
Grass sword		615	Satisfactory	-
Revowl secateur		885	Satisfactory	-
Jain irrigation ridger pipe	2012		Satisfactory	-
Fruit grader & dal mill	2011	61,600	Satisfactory	-

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	16.09.2022		1. Soil samples results of farmers should be graded under low, medium and high fertile soil.	Soil samples are being collected and categorized as per Soil fertility parameters.	
			2. Taining should be organized exclusively for members of FPO under Extension functionaries category.	Will be done as per decision made.	

			3.An exposure visit and training should be arranged for farmers who are interested in 'Apple ber' cultivation, which will be sponsored by ATMA, Nalanda	ATMA, Nalanda has been communicated regarding that.	
			4.Progress report of CRA programme under Jaljeevan Hariyali should be sent to DAO, Nalanda regularly.	It is being sent on regular basis.	
			5.Seeds for FLD/CFLD must be purchased from Seed Hub programme B.A.U, Sabour, Bhagalpur.	It is being done as per decision made.	
			6. Beneficiaries under CRA should be enlisted and list should be sent to DAO for uploading on Jaljeevan Hariyali Portal.	It is being done.	
			7. Vaccination of animals should be arranged with the help of DAHO, Nalanda in NICRA Villages.	Vaccination has been completed in NICRA villages with the help of DAHO, Nalanda.	
			8. PRA Survey of NICRA village should be completed with the help of RAWE students.	PRA survey has been completed by RAWE Students.	
			9. 5 q mushroom spawn to be produced by the centre for current year..	Production of Mushroom has been started and the target would likely be achieved.	
			10. Selection of Paddy varieties should be chosen as per farmers interest in CRA village. .	Paddy varieties are being selected as per the decision made.	
			11. Biofortified varieties of wheat should be selected for demonstration and quality parameters should be assessed by making chapaties.	Demonstration has been started and quality assessment will be done in due course.	

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

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	**Up land/Medium Land** – i) Rice – Potato – Vegetables ii) Rice – Oilseeds/Pulses – Sunflower iii) Rice – Potato – Onion iv) Rice – Potato – Summer maize /Sunflower v) Maize – Oilseed/Pulses – Summer maize/ Sunflower vi) Groundnut – Wheat/Vegetable

		Low Land – i) Paddy – Pulses (Paira crop) ii) Paddy – Wheat **Water Shed area middle and bottom tal land -** Lentil during rabi season **Canal irrigated area-** **Vegetable growing area –** Cucurbitaceous, Brinjal, Tomato, Chilli, okra
2	Agro-climatic Zone	**IIIB,** Nalanda is situated at 25.30 degree N latitude and 85.15 degree East latitude in the southern part of Bihar.
3	Agro ecological situation	1. Average Annual 943 mm of which 80% are received during June –Sept. farming situation of the District**.** The farming situation of the District are 1. Upland (irrigated and un irrigated) 2. Medium land (irrigated and un-irrigated) 3. Low land 4. Water Shed area middle and bottom tal land Canal irrigated area, vegetable growing area.
4	Soil type	The soil texture of this district is sandy loam and clayey having pH range from 6.5 to 7.8. It is low to medium in nitrogen and phosphorous and medium to high in potash though zinc deficiency is widely spread in the district. A good response to sulphur is usually visible especially in oilseed crops.

Major Soils	**Area ('000 ha)**	**Percent (%) of total**
Sandy Soils	44.756	18.61
Coarse Sandy Loam Soils	40.538	16.86
Fine Sandy Loam Soils	62.171	25.86
Clayey Soils	92.908	38.65

5 Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others

	Crop	**Area(ha)**	**Production (q/ha)**	**Productivity (q/ha)**
A. Cereals				
i	Paddy	128509	6348715.50	49.40
ii	Wheat	93000	20, 56,230	22.11
iii	Maize	4000	60,900	30.45
iv	Barley	300	3,000	10
B. Oil seeds				
i	Til	200	600	3.0
ii	Sunflower	200	3,000	15.00
iii	Castor	100		
iv	Mustard	3500	32,830	9.38
v	Linseed	2500		6.87
vi	Ground nut	650	6,500	10
i				
C. Pluses				
i	Arhar	1000	1, 0,000	10
ii	Urad	1000	5,000	5
iii	Mung	2000	15,000	7.5
iv	Gram	11000	1, 22,650	11.15
v	Lentil	20500	2, 22,015	10.83
vi	Pea	550	25956	10.83
vii	Ground nut	650	6,500	10

			D. Vegetable Crops			
			i.	Potato	27000	6533200	241.97
			ii.	Onion	5724	1047490	183.00
			iii.	Cauliflower	2818	486820	172.75
			iv.	Tomato	1866	371330	198.99
			v.	Brinjal	6438	1422800	221.00
			vi.	Cabbage	1663	289360	173.99
			vii.	Chilies	3774	467980	124.00
			viii.	Ladies finger	2814	363010	129.00
			ix.	Bottle gourd	852	163580	191.99
			x.	Spongegrourd	703	99830	142.00
			xi.	Cucumber	99	11790	121.11
			xii.	Ride gourd	315	19220	61.02
			xiii.	Bitter gourd	406	29230	71.99
			xiv.	Ash gourd	09	2120	235.56
			xv.	Watermelon	15	2700	180.00
			xvi.	Muskmelon	14	1680	120.00
			xvii.	Pointed gourd	22	2120	96.36
			xviii.	Cowpea	808	64640	80.00
			xix.	Pea	396	24950	63.00
			xx.	Radish	882	142000	160.99
			E. Fruits				
			i.	Mango	2629	241860	91.99
			ii.	Guava	1427	122720	85.99
			iii.	Lemon	386	27020	70.00
			iv.	Banana	403	137020	340.00
			v.	Papaya	22	4620	210.00
			vi.	Aonla	21	1870	89.00
			vii.	Others	1172	104310	89.00

6	Mean yearly temperature, rainfall, humidity of the district	**Month**	**Rainfall (mm)**	**Temperature ^{o}c**		**Relative humidity (%)**	
				Maximum	**Minimum**	**Maximum**	**Minimum**
		Jan-2022	22.67	32.5	21.2	N.A	N.A
		Feb-2022	13.34	44.8	27.1	N.A	N.A
		March-2022	**0**	45.3	28.1	**NA**	**NA**
		April-2022	0	33.2	25.5	N.A	N.A
		May-2022	21.75	21.7536.5	28.1	N.A	N.A
		June-2022	85.29	34.5	23.3	N.A	N.A
		July-2022	52.3	30.2	23.8	N.A	N.A
		Aug-2022	174.3	24.7	14.8	N.A	N.A
		Sept-2022	212.8	21.2	12.8	N.A	N.A
		Oct-2022	70.11	21.3	05.3	N.A	N.A

		Nov-2022	0	22.3	12.2	N.A	N.A
		Dec-2022	0	30.6	19.9	N.A	N.A

7 Production of major livestock products like milk, egg, meat etc.

Sl. No.	Livestock	Male (000)	Female (000)	Total (000)
i.	Non descriptive Cattle (local low yielding)	90.7	142.6	306.1
ii.	Improved cattle			
iii.	Crossbred cattle	8.2	33.5	41.7
iv.	Non descriptive Buffaloes (local low yielding) Descript Buffaloes	75.0	222.7	297.7
v.	Goat	53.9	118.3	454.5
vi.	Sheep	2.2	3.9	6.2

Source: DAHO, Nalanda

Poultry

Sl. No.	Poultry	Total No. of birds (000)
i.	Commercial	74.7
ii.	Backyard	138.4

Source: DAHO, Nalanda

Fisheries

Sl. No.	Items	No/Quantity
i.	Farmer owned ponds	935
ii.	No. of Reservoirs	1175
iii.	No. of village tanks	237
iv.	Water Spread Area (ha)	3510
v.	Production (‘000 tons)	6668.6

Source: DFO, Nalanda

Note: Please give recent data only

2. b. Details of operational area / villages (2022)

S. N.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Nalanda	Chandi	Anantpur , Rajanbigha and mokimpur	Rice, Wheat, Oilseed, Pulses, Bee keepers, Aromatic, medicinal plants and Horticultural plants Distillation unit, Dairy unit, Poultry unit.	Lack of HYV of crops, Organic Farming, Lack of scientific cultivation of medicinal and aromatic plants, Lack of timely availability of mushroom spawn. Lack of availability of green fodder in summer season. Lack of knowledge of preservation and processing. Lack of Knowledge of clean milk production, Lack of availability of veterinarians for treatment of different diseases.	Organic farming, Production of Medicinal plants, Fruit and Vegetable processing, Integrated farming system, Mushroom production, Dairy production and value addition, Processing and preservation of Vegetables. ,Nutrigarden.
2		Silao	Junaidi and pokharpur	Paddy, Wheat, Oilseed, Pulses, Vegetables and millets	Lack of HYV of crops, Lack of improved agricultural equipments, Lack of scientific knowledge of	Soil health management, Dairy management, Long term storage of fodder, Clean milk production, Scientific method of fish culture, Poultry production, Entrepreneurship development on

					dairy management, Lack of knowledge of long term storage of fodder, Lack of Knowledge of clean milk production.	embroidered articles.
3		Harnaut	Sartha, Chainpur, Mudhari, Gokhulpur, Sherpur, Barah, Dwarikabigha	Paddy, Wheat, Oilseed, Pulses and vegetables, Mushroom, Nutrigarden,millets	Poor availability of HYVs of crops, Lack of improved agricultural equipments, Lack of technology of poultry management, Lack of availability of green fodder in summer season, Lack of knowledge of fodder preservation . Lack of knowledge of fruit, vegetable and mushroom and value addition	Soil health management, Dairy Management, Long term preservation of fodder, Clean milk production. Scientific method of poultry production, Mushroom and fruit and vegetable, value addition, Nutrigarden.

4		Biharsharif	Sohdih,Meghi, Deepnagar	Paddy, Wheat, Oilseed, Pulses, Vegetables and high value Horitcultural crops Rice mills, Seed processing plants	Lack of HYV availability in case of crops, Lack of improved agricultural equipments, Lack of availability of green fodder in summer season. Lack of knowledge of fodder preservation, Lack of knowledge of clean milk production.	Introduction of high yielding variety of crops along with improved management practices. Dairy management, preservation of fodder clean milk production. Soil health management, organic farming and protected cultivation.
5		Nagarnausa	Premanbigha, Ramchak,Gariyaper, Bodhibigha	Rice, Wheat, Oilseed, Pulses, High value crops in low tunnel,strawberry	Lack of HYV availability in case of crops, Lack of improved agricultural equipments, Lack of availability of green fodder in summer season, Lack of knowledge of fodder preservation, Lack of Knowledge of clean milk production.	Introduction of high yielding variety of crops along with improved management practices. Dairy management, preservation of fodder Soil health management.High value horticulture crop ,Nutrigarden.

6		Noorsarai	Parasi,	Paddy, Wheat, Oilseed, Pulses, Apiary.Mushroom	Lack of HYVs of crops, Lack of improved agricultural equipments, Lack of knowledge of long term preservation of fodder, Lack of knowledge of clean milk production.	Soil health management , Entrepreneurship of mushroom and value added products

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2022) for its development and action plan

Name of village	Block	Action taken for development
Premanbigha, Bodhibigha, Gariyapar	Nagarnausa	OFT & FLD
Mudhari, Barah, Srichandpur, Sartha, Chainpur, Dwarikabigha,Sherpur, Gokulpur,	Harnaut	Training, Kisan Chaupal, OFT, FLD & CFLD, Poshan Abhiyan,CRA, NICRA
Bhathhar,	Tharthari,	FLD, Training
Muralbigha, Rajanbigha, Mokimpur	Chandi	FLD and PKVY

2.d. Priority thrust areas

S. No	Thrust area
1.	Integrated Nutrient Management, Pest Management and Weed Management of crops.
2.	Diversification of crops through incorporation of nutri-cereals in cropping system
3.	Mechanization of farms.
4.	Improvement of productivity of milch cattle
5.	Food and Nutritional security from locally available resources.
6.	Promotion of fish culture and integrated fish farming in low land.
7.	Income generation through different farm enterprises such as honey production, mushroom cultivation, poultry farming, goat farming, preservation of fruits, vegetable production and others.
8.	Organic cultivation of fruits and vegetables.

3. TECHNICAL ACHIEVEMENTS

3. 1. Details of target and achievement of mandatory activities by KVK during the year

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
08	09	56	12	12	-	-	50	13	62	25	87	08	10	150	11	21	-	-	116	21	127	42	169

	Training											Extension activities										
	Number of Courses		Number of Participants									Number of activities		Number of participants								
Training	Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
				SC		ST		Others		Total					SC		ST		Others		Total		
				M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
PF	117	139	27220	564	734	-	-	1929	1072	2493	1802	4299	692	779	7260	652	320	-	-	4129	2303	4781	2623	5463
RY	16	12	400	58	96	-	-	175	105	233	201	434												
EF	18	16	410	79	115	-	-	271	297	350	412	762												

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		
-	92	M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
		10	6	-	-	28	04	28	10	48		-	-	-	-	-	-	-	-	-	-	-

Seed production (q)	Planting material (in Lakh)

Target	Achievement	Target	Achievement
450	320	1.0 Seedlings	1.10 Seedlings

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	0.01220	0.01126

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	01	-	01	5.03	-	--	
Seminar/conference/ symposia papers	02	-	-	-	-	-	-
Books	-	-	-	-	-	-	-
Bulletins	-	-					
News letter	-	-	-				
Popular Articles	04	4000	-	-	-	-	-
Book Chapter	01	-	-	-	-	-	-
Extension Pamphlets/ literature	03	3000	-	-	-	-	-
Technical reports	05	-	-	-	-	-	-
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	16	7000	-	-	-	-	-

3.1.1Achievements on technologies assessed and refined

OFT 1: Soil Science

1.	Title of On farm Trial	Assessment of crop residues management on wheat in rice wheat cropping system
2.	Problem diagnosed	Burning of crop residues leads to loss of plants nutrients like N,P,K and S and also affects physical, chemical and biological properties of soil.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** **Farmers Practices:-**Crop residue removed (N:P:K:-120:40:20 kg/ ha in rice) (N:P:K:-140:40**:**20 kg/ ha in Wheat) **T.O.1:-** Loose crop residue removed + RDF (N:P:K:-120:60:40 kg/ha in rice) (N:P:K:- 150:60:40 kg/ha in wheat) **T.O.2:-** Total crop residue incorporated + 75 % RDF +1.5 % urea spray
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	B.A.U. Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Wheat-Moong cropping system and Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	1) No of hills / m^2 2) No of tillers / hill 3) No of panicle / hill 4) No of grains / panicle 5) Yield (q/ha) 6) Available nutrients in pre and post harvest soil. 7) Cost of Intervention 8) Net Return 9) Cost benefit ratio
7.	Final recommendation for micro level situation	Total Crop residue incorporated +75% RDF +1.5% urea spray gives better yield and improves soil health
8.	Constraints identified and feedback for research	-.
9.	Process of farmers participation and their reaction	Trainings and field visits

Thematic area: Integrated Nutrient Management

Problem definition: Low yield of Wheat and poor physical, chemical and biological properties of the soil.

Technology assessed: Crop residues management on wheat in rice-wheat cropping system

Table:1. Initial soil properties

pH	**EC(dSm^{-1})**	**Organic Carbon (%)**	**Available nutrients(kg/ha)**		
			N	**P2O5**	**K2O**
7.21	0.029	0.587	284	30.26	189

Table:2 Effect of Crop residue Management on post harvest soil properties after wheat crop.

Technology option	pH	EC(dsm^{-1})	Organic Carbon (%)	Available nutrients (kg/ha)		
				N	P_2O_5	K_2O
Farmers Practice:- Crop residue removed+(N:P:K:-120:40:20 kg/ha in rice)	7.26	0.038	0.576	289	31.10	188
T.O.1: Loose crop residue removed + (N:P:K::150:60:40 kg/ha in rice)	7.23	0.037	0.578	294	31.81	197
T.O.2: Total crop residue incorporated+75%RDF+1.5% urea spray	7.24	0.034	0.586	301	32.21	205
SEm C.D (P=0.05)	0.012	0.003 NS	0.003 0.008	2.36 7.80	0.13 0.38	2.28 6.84

Table:3. Effect of Crop residue Management on Wheat yield and their economics under rice-wheat cropping system.

Technology option	**No. of trials**	**Yield component**			**Disease/ insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ ha)**	**BC ratio**
		No. of effective tillers/ hill	**No. of spikelet per panicle**	**Test wt. (1000grain wt.)**						
Farmers practice :- Crop residue removed +(N:PK::120: 40:20 kg/ ha		25	45	24.8	12	42.0	36200	86100	49900	2.37

in rice)	08									
T.O.1:- Loose crop residue removed +(N:P:K:- 150:60:40 kg/ha in rice)		29	49	26.5	08	48.2	26950	98810	61860	2.67
T.O.2:- Total crop residue incorporated + 75 % RDF +1.5 % urea spray		32	51	26.9	07	50.1	36700	102705	66005	2.79
SEm +- C.D (P=0.05)		-	-	-	-	1.87 5.62	-	-	-	-

Results: The highest yield of Wheat (50.1 q/ha) was recorded in T.O.-2 receiving total crop residue incorporated + 75 % RDF+1.5 % urea spray, BC ratio of which is 2.79.

OFT 2: Soil Science

1.	Title of On farm Trial	Organic cultivation package in cauliflower cultivation
2.	Problem diagnosed	Excessive use pesticides in cauliflower cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** Farmers Practices**:-** Application of 5 MT FYM/ha+32kgN+23kgP_2O_5 +15kg K_2O/ha through inorganic source T.O.1:- Application of 5 MT FYM+25% of RDF (NPK) through organic source T.O.2:- Seed and seedling treatment with Beejaamrit+3 spray of Jeevaamrit at 21 days interval+ application Ghanjeeva amrit @ 1q/ha as basal application and 30DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Ram Krishan Mission, KK, Ranchi Early Variety of crop to be taken.
5.	Production system and thematic area	Organic Farming
6.	Performance of the Technology with performance indicators	1) Plant height 2) Weight of curd/plant 3) Yield (q/ha) 4) Available nutrients in pre and post harvest soil. 5) Cost of Cultivation 6) Net Return

		7) Cost benefit ratio
7.	Final recommendation for micro level situation	Application of Seed and seedling treatment with Beejaamrit+3 spray of Jeevaamrit at 21 days interval+ application Ghanjeevaamrit @ 1q/ha as basal application and 30DAS.
8.	Constraints identified and feedback for research	Problem in availability of organic inputs
9.	Process of farmers participation and their reaction	Trainings and field visits

Thematic area: Organic Farming

Problem definition: Excessive use pesticides in cauliflower cultivation

Technology assessed:Table: Initial soil properties

pH	**EC(dSm^{-1})**	**Organic Carbon (%)**	**Available nutrients(kg/ha)**		
			N	**P2O5**	**K2O**
7.15	0.263	0.625	264	31.26	162.5

Table: Organic cultivation package in cauliflower cultivation

Technology option	**pH**	**EC (dsm-1)**	**Organic carbon**	**Available nutrients (kg/ha)**		
				N	**P_2O_5**	**K_2O**
F.P. :-	7.16	0.265	0.629	268.5	31.88	159.5
T.O.1:-	7.15	0.267	0.635	273.0	33.40	164.5
T.O.2:-	7.14	0.267	0.632	270.0	32.70	166.3

Table: Organic cultivation package in cauliflower cultivation

Technology option	**No. of trials**	Yield component		**Disease / insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Plant Height (cm)	**Test wt. (wt of curd/plant)**						

F.P. :-	06	48.0	600	20	155	52,500	1,24,000	71,500	2.36
T.O.1:-		46	680	15	160	56,200	1,28,000	71,800	2.27
T.O.2:-		49	715	05	172	48,000	1,37,600	89,600	2.86

Result: Highest Yield of cauliflower 172Q/ha and BC ratio 2.86 was reported in technology option 2 (seed and seedling treatment with beejaamrit with 3b spry of jeevaamrit at 21 interval + application of Ghanjeevaamrit @1Q/ha as basal application and 30DAS

OFT3: Soil Science

1.	Title of On farm Trial	Integration of fertilizer in different form on yield of lentil
2.	Problem diagnosed	Injudicious use of chemical fertilizers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** **Farmers Practices:-**Seed treatment +RDF **T.O.1:** 50% of RDF +WS 18:18:18 @ 5gm/ltr water(Single spray at pre flowering stage) **T.O.2:** Seed treatment with PSB+Rhizobium, 50% of RDF+WS 18:18:18@5gm/ltr water (Single spray at pre flowering stage)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	B.A.U. Sabour, Bhagalpur
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	1) No of Plant / m^2 2) No of Pod / Plant 3) Grain yield 4) 1000 green weight 5) Yield (q/ha) 6) Available nutrients in pre and post harvest soil. 7) Cost of Intervention 8) Net Return 9) Cost benefit ratio
7.	Final recommendation for micro level situation	Seed treatment with rhizobium and PSB alongwith 50%RDF+ Water Soluble 18:18:18 @ 5gm/litre of water, single spray at pre flowering stage
8.	Constraints identified and feedback for research	-.
9.	Process of farmers participation and their reaction	Trainings and field visits

Thematic area: Integrated Nutrient Management

Problem definition: Injudicious use of chemical fertilizers

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

Table: Initial soil properties

pH	EC(dSm^{-1})	Organic Carbon (%)	Available nutrients(kg/ha)		
			N	P2O5	K2O
7.36	0.126	0.583	239	28.75	142.6

Table: Integration of fertilizer in different form on yield of lentil

Technology option	pH	EC (dsm-1)	Organic carbon	Available nutrients (kg/ha)		
				N	P_2O_5	K_2O
Farmers Practices:-	7.37	0.128	0.584	244	28.95	144
T.O.1:	7.36	0.130	0.587	249	29.05	148
T.O.2:	7.34	0.138	0.591	252	29.20	150

Table:Integration of fertilizer in different form on yield of lentil

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ ha)	Net return (Rs./ ha)	BC ratio
		No. of plants /m^2	No. of pod/plant	Test wt. (1000 grain wt.)						
Farmers Practices:-	08	45	16	20.67	20	14.5	24,500	79250	55250	3.23
T.O.1:		49	18	20.88	12	16.9	25000	90750	65750	3.63
T.O.2:		52	21	21.05	08	17.8	25300	97900	72200	3.86
SEm +- C.D (P=0.05)										

Result: Highest Yield was recorded 17.8Q/ha BC ratio 3.8 in the treatment T.O. 2: Seed treatment with PSB+ Rhizobium 50% RDF +WS 18:18:18@5gm/ltr

OFT 4: Home Science

1.	Title of On farm Trial	**Assessment of preparation of potato flakes for more shelf-life and enhanced income**
2.	Problem diagnosed	High wastage and less income to farmers due to improper processing practices and the product is not preserved for income generation.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology options: **F.P. :-** :People consume fresh potatoes as vegetables locally **T.O.1:-** Preparation of potato Flakes Formulation: Ingredients-Sliced Potato (3-5mm)- 5.0kg, Salt-50g,Water-7.5Litre, KMS-6.0g **T.O.2:-** Preparation of potato flakes with sour taste Formulation: Ingredients-Sliced Potato (3-5mm) 5.0kg, Salt-50g,Water-7.5Litre, KMS-6.0g, Glacial Acetic acid-50ml
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Central Potato Research Institute, Patna
5.	Production system and thematic area	Value addition and shelf-life assessment
6.	Performance of the Technology with performance indicators	1) Sensory analysis (Organoleptic assessment)on 5 point acceptability scale 2) Shelf life assessment
7.	Final recommendation for micro level situation	Preparation of Value added product of potato could be one of the solution for lowering wastage of Crop. This also served the purpose for income generation activity The technology can be used for making Potato wafers, Finger fries and potato powder also for more value added products.
8.	Constraints identified and feedback for research	Though, preparation of Potato flakes was found to be a very common practice but it was not taken up as income generation activity.
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visit for value addition and Income generation.

Result:

Table: Sensory analysis

Technology option	No. of trials	Gross cost	Gross Return	Net Return	B:C Ratio	Avg Overall Acceptability(0day)	Avg. Storage score at 75 Days
F.P:	10	100	125	50	1.2	5	0
T.O 1	10	125	180	65	1.5	38	1.5
T.O 2	10	135	225	95	1.66	4.8	3.6

Table 2: Storage and Utility

Technology option	0 Day	15th Day	30th Day	45th Day	60th Day	75th Day
F.P:-	5	3	2	1	0	0
T.O.1 :-	3.8	3.2	2.5	2.0	1.8	1.5
T.O.2	4.8	4.6	4.5	4.3	4	3.6

Result:- T.O. 2 produced better result on different parameters of sensory analysis i.e scored 4.8 in comparison to T.O.-1 which scored 3.8. Though F.P scored 5 in acceptability test but only on 0 day. T.O-2 scored 3.6 i.e better than T.O-1 (1.5) on 75th day in acceptability test. The best return calculated for B:C ratio (1.66) was upto 30 days.

OFT 5: Home Science

1.	Title of On farm Trial	Impact of Ready to use infant Food on anthropometric parameters of malnourished children (age 6 months to 2 years)
2.	Problem diagnosed	Unawareness of benefits of nutri-cereals. No inclusion of nutria-cereals in diet.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology options: F.P. :- Normal homemade food (The children are not being provided nutrient rich food. No ready to eat food is being practiced by majority of the children) T.O.1 :- Standard ingredients : Ragi (85:15) Standard combination of Ragi-150g +peanut-200g+ Sugar - 300g+ milk powder -250g and ghee-100g T.O.2 :- Standard ingredients : Wheat (85:15) Standard combination of Wheat-150g + peanut-200g+Sugar:-300g + milk powder -250g and ghee-100g
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRP CAU, PUSA
5.	Production system and thematic area	Development of weaning food for children (6 months - 2 years), low cost malted, ready to eat (RTE) high nutrient efficient diet
6.	Performance of the Technology with performance indicators	(i) Sensory Analysis: (ii) Body weight at monthly interval (iii) Height at monthly interval (iv) Stomach discomfort if noticed
7.	Final recommendation for micro level situation	Ragi based supplementary feed ((Malted + roasted) Ragi-150g +peanut-200g+ Sugar - 300g+ milk powder -250g and ghee-100g is recommended due to highest weight gain.
8.	Constraints identified and feedback for research	Hesitation in adopting Ragi. Supplementary food was well accepted by children, adoption of Ragi based food has been initiated well.
9.	Process of farmers participation and their reaction	Individual contact and awareness created regarding child health care and nutrition. The recommendation was well accepted by the rural households.

Table: Assessment of Impact of Ready to use infant Food on anthropometric parameters of malnourished children (6 months to 2 years)

Technology Option	**No. of Trials**	**Initial reading**		**Final reading wt in kg**		**Differences (av.)**		**Differences in %**	
F.P. **:-** Normal homemade food (The children are not being provided nutrient rich food. No ready to eat food is being practiced by majority of the children)	10	Wt.(kg)	Ht. (Cm)	Wt.(kg)	Ht. (Cm)	Wt.(kg)	Ht. (Cm)	Wt.(kg)	Ht. (Cm)
		9.71	77.72	10.11	80.18	0.4	2.46	4.1	3.16
T.O.1 **:-** Standard ingredients : Ragi (85:15) Standard combination of Ragi-150g +peanut-200g+ Sugar - 300g+ milk powder -250g and ghee-100g		8.74	72.38	9.25	74.94	0.51	2.56	5.83	3.53
T.O.2 **:-** Standard ingredients : Wheat (85:15) Standard combination of Wheat-150g + peanut-200g+Sugar-300g + milk powder -250g and ghee-100g		8.46	76.75	8.92	79.24	0.46	2.49	5.4	3.24
SEm+_ 0.0415 CD(0.05%)- 0.08 Ht. SEm+_0.246 CD(0.05%) - 0.51		-		-					

Result : T.O. 1 is significant as compared to F.P. Although T.O. 2 is at par with T.O.1 for weight measurement. For Height measurement FP, T.O1 and T.O. 2 showed no significant difference between them.

OFT 6: Veterinary Science

1.	Title of On farm Trial	Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle
2.	Problem diagnosed	Post partum infertility in cattle
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice** :- Traditional method and no use of minerals and vitamins. **T.O.1**:- Dewormer (3gm) + mineral mixture @ 50 gm for 20 days **T.O.2**:- Dewormer (3gm) + mineral mixture @ 50 gm for 20 days + Inorganic phosphorous Inj + vitamin AD_3E Inj @ 10 ml alternate day for 3 days + micro minerals 1Bolus for 28 days **T.O.3**:- Dewormer (3gm) + mineral mixture @ 50 gm for 20 days + Inorganic phosphorous Inj + vitamin AD_3E Inj @ 10 ml alternate day for 3 days + micro minerals 1Bolus for 28 days+ GnRH Inj @ 5ml at the time of A.I
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Bihar Veterinary College, Patna
5.	Production system and thematic area	Disease management
6.	Performance of the Technology with performance indicators	1. Animals induced in estrous 2. Conception rate 3. B:C ratio
7.	Final recommendation for micro level situation	This disease can be cured by proper feeding with hormonal treatment
8.	Constraints identified and feedback for research	It is very common disease in field condition. Hormonal treatment can be minimized by balanced diet, mineral and vitamins supplement.
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visit. Widely accepted by farmers

Result

Technology option	**Animals under trial**	**Animals induced in estrous**	**Number of animals conceived**
Farmer Practice	06	-	-
T.O.1	06	02	01
T.O.2	06	05	03
T.O.3	06	05	05

Economics of demonstration (Rs)				**Economics of Check (Rs)**			
Gross cost	**Gross Return**	**Net Return**	**B:C ratio**	**Gross cost**	**Gross Return**	**Net Return**	**B:C ratio**
20453	34961	14508	1.7	18522	30960	12438	1.67

In T.O.-3 maximum number of animals came in estrous condition and conceived successfully.

OFT 7: Veterinary Science

1.	Title of On farm Trial	Efficacy of double injection buserelin in improving pregnancy rate oestrus repeat breeding in crossbred cows
2.	Problem diagnosed	Increased inter calving period causes heavy economic loss
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice** :- Traditional method of feeding **T.O.1** :- Dewormer (Fenbenadazole 3g) and mineral mixture @50 gm/day/animal for 20 days **T.O.2** :- Dewormer (Fenbenadazole 3g) and mineral mixture @50 gm/day/animal for 20 days +(Single Injetion) Injection of Buserelin 20 µg-5ml I/M 6 hr. before the A.I **T.O.3**:- Dewormer (Fenbenadazole 3g) and mineral mixture @50 gm/day/animal for 20 days +(Double Injection) 1st Injection of Buserelin 20 µg-5ml I/M 6 hr. before the A.I and 2nd on day 12 after last insemination
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	GADVASU, Punjab
5.	Production system and thematic area	Milk production and Dairy management
6.	Performance of the Technology with performance indicators	1. Reproduction performance 2. Conception rate 3. Milk production 4. B:C ratio
7.	Final recommendation for micro level situation	Feeding with mineral mixture and hormonal treatment for stimulation and production of reproductive hormone is more beneficial
8.	Constraints identified and feedback for research	In field condition, mineral deficiency and hormonal treatment is little costly. Large number of samples should be taken for better interpretation of result
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visit and it is widely accepted by farmers

Result

Technology option	Animals under trial	Incidence of repeat breeding	Animals induced in estrous	Number of animals conceived	Average milk production (litre)
T.O.-1	06	3-4	02	01	06
T.O.-2	06	3-4	03	02	6.2
T.O.-3	06	3-4	05	04	6.5

Economics of demonstration (Rs.)				Economics of check (Rs.)			
Gross cost	Gross return	Net return	B:C ratio	Gross cost	Gross return	Net return	B:C ratio
11274	20293	9019	1.8	6556	7867	1311	1.2

In T.O.3 Maximum numbers of animals conceived after coming in estrous condition with better milk production.

OFT8: Veterinary Science

1.	Title of On farm Trial	Nutritional and therapeutic management of post-partum anoestrus in dairy cow
2.	Problem diagnosed	Anoestrous is one of the most important problems in cross breed dairy cows. The main cause of the anoestrous in these locations are malnutrition,worm infestations, micronutrient deficiency and hormonal imbalance. It results in increase in inter-calving period in dairy cows which causes huge economic loss to livestock owners.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice** :- 1.5-2.0 kg sprouted wheat/gram for 5-6 days + Traditional feeding of green fodder (5-10 kg), dry fodder (6-7 kg) and concentrate mixture (1-1.5 kg) **T.O.1**:- Deworming with fenbendazole @ 7.5 mg/kg body weight, twice in a year + Balance ration* @ 1 kg of concentrate mixture/2.5 lit of milk + 0.5 kg for body maintenance per day for 90 days + Herbal heat inducer. 4 boli on 90, 91, 92 and 93rd days. **T.O.2**:- Deworming with fenbendazole @ 7.5 mg/kg body weight, twice in a year + Balance ration* @ 1 kg of concentrate mixture/2.5 lit of milk + 0.5 kg for body maintenance per day for 90 days + Ovsynch protocol Day 0: GnRH (Buserelin) 10 microgram, Day 7: PGF2alpha-500 microgram, Day 9: GnRH (Buserelin) 10 microgram of therapeutic trial and Day 10: fixed time

		AI (TAI). ***Composition of Balance ration**: Balance ration is made from locally/homely available materials. The ingredients used for making concentrate mixture are maize- 42%, wheat bran-15%, rice bran- 5%, jaggery- 4%, mustard oil cake- 20%, chuny- 10%, mineral mixture- 2.% and salt- 2%
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI, Izatnagar, Bareilly
5.	Production system and thematic area	Calf production, milk production and disease management
6.	Performance of the Technology with performance indicators	1. Body score 2. By visual observation of behavioural symptoms of oestrous 3. Number of animals shown heat 4. Number of cows conceived after treatment (conception rate) 5. Number of cow calving after treatment.
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	1. Trainings 2. Meetings 3. Field visit 4.Open ended questionnaire process

Result: Continuing

OFT 9: Veterinary Science

1.	Title of On farm Trial	Assessment of different management practices in preventing bovine mastitis.
2.	Problem diagnosed	High incidence of clinical mastitis and decrease milk yield, low economic return.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**:- Use of Antibiotics, Anti-inflammatory treatment against mastitis. **T.O.1**:- 0.5gm alpha-Tocopherol acetate + 0.25 mg sodium selenite (Vitamin E and Selenium powder) orally daily for last 30 days before calving. **T.O.2**:- 0.5gm alpha-Tocopherol acetate + 0.25 mg sodium selenite (Vitamin E and Selenium powder) orally daily for last 30 days before calving + Intramammary infusion with 7.5gm dicloxacillin sodium each quarter for 7 days 30 days prior to parturition.
4.	Source of Technology (ICAR/	GBPUAT, Pantnagar

	AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Udder health management
6.	Performance of the Technology with performance indicators	1. Technical : Udder condition, Milk PH, Milk colour, C.M.T test 2. Economics: Total milk production, B:C Ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	1. Trainings 2. Meetings 3. Field visit

Result: Continuing

OFT 10: Horticulture

1.	Title of On farm Trial	Effect of different concentration of urea on crop regulation of guava Cv. Allahabad Safeda
2.	Problem diagnosed	Poor quality rainy season crop leads to lesser income of farmer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** **Farmers Practices**: Harvesting rainy season crop **T.O.1:-** Pruning of 50% shoot length (current season) **T.O.2:-** Single **s**pray of urea (10%) in bloom stage (April month)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR Research complex for Eastern region, Plandu, Ranchi
5.	Production system and thematic area	Crop regulation of guava
6.	Performance of the Technology with performance indicators	Average fruit weight (gm) Yield (kg/plant) TSS (degree brix) Fruits infested with fruit fly i) Cost of cultivation ii) Net return iii) Cost –Benefit Ratio
7.	Final recommendation for micro level situation	Pruning of 50% shoot length is most effective in giving maximum yield and highest B:C ratio as compared to other treatment
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visit

Thematic area: Crop regulation of guava

Problem definition: Poor quality rainy season crop leads to lesser income of farmer

Table: Effect of different concentration of urea on crop regulation of guava Cv. Allahabad Safeda

Technology option	No. of trials	Average Fruit Wt. (gm)		T.S.S (Brix °)		Yield(kg/plant)			Cost of cultivation (Rs./plant)	Gross return (Rs/plant)	Net return (Rs./plant)	BC ratio
		Rainy	Winter	Rainy	Winter	Rainy	Winter	Total				
Farmers practice	08	75.61	83.33	10.3	11.3	11.83	8.32	19.85	145	170.69	25.69	1.17
T.O. 1		81.85	96.51	10.6	11.6	9.12	18.94	27.69	210	472.53	262.53	2.25
T.O. 2		-	101.64	-	11.6	-	21.42	20.33	190	411.88	221.88	2.16

Result: T.O.1 showed best result with maximum yield of 27.69kg/plant with highest B:C ratio of 2.25 as compared to T.O. 2 and farmers practice

OFT 11: Horticulture

1.	Title of On farm Trial	Effect of age of seedlings on growth and yield of rabi tomato Cv. Arka rakshak
2.	Problem diagnosed	Poor quality and lesser yield of tomato due to transplanting of overage seedling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** **Farmers Practices** :Transplanting of 30 days old seedling **T.O.1:-**Transplanting of 20 days old seedling **T.O.2:-** Transplanting of 30 days old seedling along with root dip (overnight) in rhizobacteria 2 % solution.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	C. S. A. UAT, Kanpur
5.	Production system and thematic area	Vegetable cultivation
6.	Performance of the Technology with performance indicators	i) Plant height (cm) ii) No. of branches per plant iii) No. of fruits per plant iv) Fruit weight per plant (kg) v) Yield (q/ha) vi) Cost of cultivation. vii) Net return. viii) Cost –Benefit Ratio

7.	Final recommendation for micro level situation	Transplanting of 30 days old seedlings with root treatment of rhizoctonia gives the maximum yield as compared to other treatment
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visits

Thematic area: Vegetable cultivation

Problem definition: Poor quality and lesser yield of tomato due to transplanting of over aged seedlings

Table: Effect of age of seedlings on growth and yield of rabi tomato Cv. Arka rakshak

Technology option	No. of trials	Plant ht. (cm)	No. of branches/plant		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
			Primary	Secondary					
Farmers practice	10	61.94	6.43	9.2	293.62	63565	233970	170405	3.68
T.O.1		61.58	5.92	8.64	284.19	63178	226840	163662	3.59
T.O.2		62.83	7.91	9.83	310.74	63848	249879	1860 31	3.91

Result: T.O.2 gave maximum yield 310.74 q/ha with B:C ratio of 3.91 as compared to T.O.1 and Farmer practice

OFT 12: Horticulture

1.	Title of On farm Trial	Ex situ residue management in potato cultivation.
2.	Problem diagnosed	Low yield due to late sowing of potato in low land area
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Technology options:** **Farmers Practices** :Sowing in ridge and furrow method. **T.O.1:-**Sowing of Potato seed with FYM and paddy straw (15cm) **T.O.2:-** Sowing of potato seed with FYM and water hyacinth (15cm)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CSSRI,West Bengal
5.	Production system and thematic area	Resource conservation technology
6.	Performance of the Technology with performance indicators	i) Germination percentage ii) No. of tuber per plant

		iii) Yield (q/ha) iv) Cost of cultivation. v) Net return. vi) Cost –Benefit Ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	Labour problem in initial collection of water hyacinth
9.	Process of farmers participation and their reaction	Discussion with farmers during training programs and field visit

Thematic area: Resource conservation technology

Problem definition: Low yield due tolate sowing of potato in low land area

Table: Ex situ residue management in potato cultivation.

Technology option	No. of trials	Germination %	Plant ht. (cm)	Disease incidence (%)	Weed population (no/m^2)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers practice	10	87.2	59.71	12	120	237.18	1,02,000	1,89,744	87,744	1.86
T.O.1		91.5	68.85	7	45	290.08	1,13,700	2,32,064	1,18,364	2.04
T.O.2		89.6	63.69	8	49	260.60	1,11,350	2,08,480	1,05,130	1.98

Result: The maximum yield 290.08q/ha with minimum disease incidence 7% and weed population 45/$m^2$is recorded in T.O-1

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Crop Production	Soil Fertility Management	01	08	01
		Integrated Nutrient Management	02	14	04
		Crop regulation of guava	01	08	03
		Vegetable cultivation	02	18	04
2.	Livestock	Disease Management	03	06	03
		Dairy Management	03	06	04
3.	Enterprises	Value addition	02	20	06
4.	Women Empowerment	Gender and Nutrition	01	7	08

3.2. Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reason for short fall
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Potato	Vegetable cultivation	Kufri khyati	0.25	0.25	01	-	-	-	03	-	04	-	04	
2.	Okra	Vegetable cultivation	Kashi lalima	1	1	03	02			21	8	24	10	34	
3.	Tomato	Vegetable cultivation	Kashi vishes	1	1	1	2			05	18	06	20	26	
4.	Turmeric	Spice Cultivation	Rajendra Sonia	0.5	0.5	1	-	-	-	4	2	5	2	7	
5.	Paddy	ICM	(C.R DHAN-320)	_	1.5		01	-	-	04	01	04	02	06	
6.	Wheat (2022-23)	ICM	BHU-25	-	01	-	01	-	-	04	01	04	02	06	
		ICM	BHU-31	-	01	-	01	-	-	04	01	04	02	06	
7.	Chelated mineral mixture	Feed Management	Chelated mineral mixture	40	40	07	-	-	-	29	04	36	04	40	-
8.	Button Mushroom	Mushroom cultivation	*Agaricus biosporus*	04 units	04 units	2	-	-	-	1	1	3	1	4`	
9.	Tomato, Moringa, Brinjal, Chilly, Beans, Vermicompost	Nutri garden	Nutri garden	40 Units	47 Units	-	11	-	-	2	34	2	45	47	

Details of farming situation

SN	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	Potato	Rabi	Irrigated	Loam	285	29.6	177	Paddy	15-20 Nov 2021	25-30 Feb. 2022	-	-
2	Paddy (CR Dhan 320)	Kharif	Irrigated	Clay loam	236	29.6	196	Paddy	22-30June 2022	15-25 Oct.2022	-	-
3	Wheat (BHU-25)	Rabi	Irrigated	Clay loam	240	25.3	170	Paddy	20-30 Nov. 2022	-	-	-
4	Wheat (BHU-31)	Rabi	Irrigated	Clay loam	266	28.5	169	Paddy	20-30Nov.2022	-	-	-

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
Total															

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

Pulses

Frontline demonstration on pulse 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
	Total														

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

Other 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
Paddy	ICM	CR-Dhan 320	06	1.5	48.3	38.1	26.77	-	-	36,300	93392	59052	2.57	35,200	75248	40048	2.31
Wheat (2021-22)	ICM	BHU-25	05	1.5	46.2	36.6	26.22	-	-	33,800	94710	60910	2.80	32500	75030	42530	2.31
	ICM	BHU-31	05	1.5	44.3	36.6	21.03	-	-	33800	90815	57015	2.68	32,500	75030	42530	2.31
	ICM	PBW-1	05	1.2	42.82	36.36	16.93			33900	86456	952556	2.55	32,500	75030	42530	2.31
Wheat (2022-23)	ICM	BHU-25	06	1.0	Crop is Standing												
	ICM	BHU-31	06	1.0													

Potato	Vegetables Cultivation	Kufri Khyati	04	0.25	304	248	23	-	-	83,700	2,95,000	2,11,300	3.52	77,325	2,15,000	1,37675	2.78
Brinjal	Vegetables Cultivation	PH-6	20	04	275	204	34.8	-	-	760000	412500	336500	5.42	71000	306000	23500	4.30
Turmeric	Spice Cultivation	Rajendra Sonia	07	0.5	305	248	21	-	-	740000	671000	597000	9.06	72000	504000	432000	7.0
Tomato	Vegetable cultivation	Kashivishesh	26	01	Crop is Standing												

Demonstration details on crop hybrids

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

Others (Pl. specify)											
Total											
Vegetable crops											
Bottle gourd											
Capsicum											
Cucumber											
Tomato											
Brinjal											
Okra											
Onion											
Potato											
Field bean											
Others (Pl. specify)											
Total											
Commercial crops											
Cotton											
Coconut											
Others (Pl. specify)											
Total											
Fodder crops											
Napier (Fodder)											
Maize (Fodder)											
Sorghum (Fodder)											
Others (Pl. specify)											
Total Fodder Crops											

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	Dairy management	Chelated Mineral mixture	40	80	9.50 lit/day	8.80Litre/day	8	-	-	18560	33594	15034	1.81	17025	28502	11477	1.67
Buffalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Fisheries

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

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonsration	Check		Demons Ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Button Mushroom	Mushroom cultivation	04	04	10.5 kg/ Q compost	-	-	-	-	14,500	19,800	5300	1.3	-	-	-	-
Nutri Garden	Nutrigarden	47	47	206 Q	157	31	-	-	800	3090	2568	3.86	600	1884	1434	3.14
Vermicompost																
Sericulture																
Apiculture																
Total																

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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	Inclusion of Ragi bsed food	07	Promotion of ragi based recipe	Cereal centric diet	Awared and partially dopted
Pregnant women					
Adolescent Girl	High nutria efficient diet	-	Use of Fresh vegetables and fruits	Consumption of choiced food only	Awareness created regarding health and nutrition
Other women	Mushroom Production Nutri-garden Value addition	58	Rs.5000 pm	Rs.1584p m	Well adoption
Children	Inclusion of mushroom in daily diet	07	Mushroom based recipes developed	Traditional practices	Well adoption
Neonatal					
Infants					

Farm implements and machinery

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**

Farm Machinery

Category	Name of the implement / Equipment / Tool	Crop (if applicable)	No. of Technologies	No. of Demos	Area (ha)
Sowing and planting tools and machineries					
Total					
Intercultural operation tools and machineries					
Total					
Irrigation management tools and machineries					
Total					
Plant protection tools and machineries					
Total					
Harvesting tools and machineries					
Total					
Postharvest processing tools and machineries					
Total					
Total mechanization tools and machineries					
Total					
Others					
Total					
Grand Total					

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Paddy (CR Dhan 320)	Productivity of the variety is higher under stress condition
2.	Wheat (BHU-25)	Farmers getting higher yield and acceptance of the variety is good
3.	Wheat (BHU-31)	Farmers getting higher yield and acceptance of the variety is good
4.	Potato	The farmers are getting higher yield and income as compared to the local variety

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field Day	15/01/2022	01	68	
2.	Field Day	20/11/2022	01	55	
3.	Field Day	12/03/2022	01	42	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2021-22 and Rabi 2022-23:

Kharif: 2021-22

CLUSTER FRONTLINE DEMONSTRATION OF ARHAR (Kharif-2021-22)

1. **Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda**
2. **Year of establishment: 1992**
3. **Host Institution:BAU, Sabour, Bhagalpur**
4. **Address: Gonwana Road, Main road, Harnaut, Nalanda**
5. **District:Nalanda**
6. **State: Bihar**
7. **Performance of the demonstration:**

A. Technical Parameters:

Sl. No.	**Crop demonstrated**	**Existing (Farmer's) variety name**	**Existing yield (q/ha)**	**Yield gap (Q/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	Bahar	9.45	12.50	1438	2000	Rajeev Lochan	101	20 ha	15.40	10.52	13.38	4.29	9.47	(-)35.25

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrat	Farmer's Existing plot				Demonstration plot				Farmers, feedback
		Gross Cost (Rs/ha	Gross return (Rs/ha	Net Return	B:C Ratio	Gross Cost (Rs/ha	Gross return (Rs/ha	Net Return	B:C ratio	

	ed	)	)	(Rs/ha)		)	)	(Rs/ha)		
	Rajeev Lochan +IPM+INM	27800	55920	28120	2.01	29300	80280	50980	2.74	Wilt resistant and high yielding variety gave better performance and hence was more remunerative

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Man days/house hold)
	Rajeev Lochan	26070	650 kg	60kg	50 kg	250 kg	Meeting daily expenses and KCC loan reimbursement	108 days

D. Pulse Farmer's perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	HYV Rajeev Lochan +IPM+INM	Better yield and less problem of	Better yield and, less problem of wilting	Farmers are happy to replace old variety	No	Yes	Wilt resistance and less problem of pod borer resulted in maximum yield.

		wilting and pod borer attack	and more yield				

E. Specific characteristic of Technology and performance

Specific Characteristic	Performance	Performance of Technology vis-à-vis Local check	Farmers Feedback

F. Extension activities under FLD conducted till date:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Farmers Training and site selection	12.06.2021 (Ghorakatora, Junaidi)	22
2.	Farmers Training and site selection	04-07-2021(Raitar & Dariya Sarai	35
3	FLD training	07-07-2021 (KVK, Harnaut, Nalanda)	23
4.	FLD training	09-07-2021 (At KVK, Harnaut, Nalanda)	24
5.	Field Visit	02/11/2021(Ghorakatora)	12
6..	**F**ield Day	26.03.2022 (Raiter)	52
7.	Field Day	26.03.2022 (Dariyasarai)	42

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

H . Farmers' training photographs

I. Photographs of field visits/field day

J. Details of budget utilization up to upto 31.03.2022

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	1,62,000.00	1,62,000.00	0.00
	ii) TA/DA/POL etc. for monitoring	18,000.00	17,444.00	556.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,80,000.00**	**1,**79,444.00	556.00

Rabi-2021-22

CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2021-22)

1.Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda

2. Year of establishment: 1992

3.Host Institution:BAU, Sabour, Bhagalpur

4. Address: Gonwana Road, Main road, Harnaut, Nalanda

5. District:Nalanda

6. State: Bihar

7. Performance of the demonstration:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (q/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-	Chickpea	Pusa-256	12.5	9.32	1224	22.00	GCP-105+ IPM +INM	25	10 ha	17.5	13.2	15.4	65.24	25.81	(-)30.0

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
	GCP-105 +IPM+INM	26300	72500	46200	2.75	28500	89300	60820	3.13

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/ Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
	GCP-105 +IPM+INM	37500	300	45.00	120	150	Meeting daily expenses, KCC loan reimbursement	43

D. Pulse Farmer's perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	Improved variety GCP-105 +IPM+INM	Better yield and less problem of wilt and other diseases	Gave better result and less susceptibility to diseases	Farmers are happy to replace other varieties with this variety	no	yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
GCP-105	Wilt resistant and high yielding	Better Yield performance and less disease and pest infestation in comparison to local check	Farmers will do seed replacement in the next season

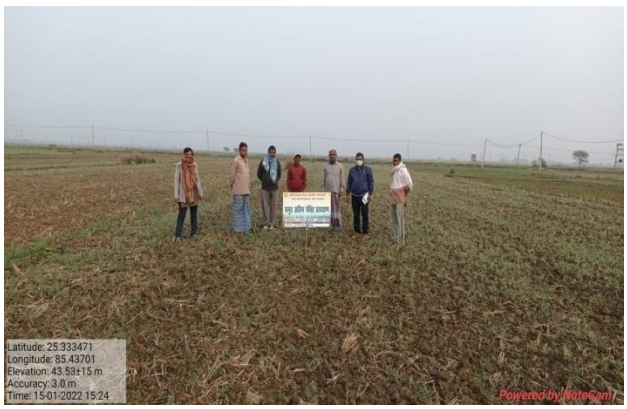
F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Diagnostic visit and site selection	06.11.2021 (Jalalpur and Piniper)	36
2.	FLD training	17.11.2021 (At KVK,Harnaut,Nalanda)	25
3.	Diagnostic Visit	15.01.2022 (Jalalpur and Piniper)	22
4.	Diagnostic Visit	23.03.2022(Piniper)	22
5.	Field Day	24.03.2022(Piniper)	41
6.	Field Day	28.03.2022	37

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

H. Farmers' training photographs

I. Photographs of field visits/field days



J. Details of budget utilization up to31.03.2022

Crop (provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
	i) Critical input	81,000.00	81,000.00	0.00
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	0.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000.00**	90,000.00	0.00

Rabi-2021-22

CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2021-22)

1.Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda

2. Year of establishment: 1992

3.Host Institution:BAU, Sabour, Bhagalpur

4. Address: Gonwana Road, Main road, Harnaut, Nalanda

5. District:Nalanda

6. State: Bihar

7. Performance of the demonstration:

A.Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1-	Lentil	Arun	9.2	12.30	10.35	20.00	HUL-57	25	10 ha	14.25	9.85	13.62	10.7	31.59	(-)31.9

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot				Farmers, feedback
		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	
	HYV HUL-57	23800	55204	31400	2.31	26300	81720	55420	3.10	Better variety and less problem of wilt.

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
	HYV HUL-57	26200	250kg	70/kg	75kg	140kg	to meet out daily expenenses and KCC loan reimbursment	35

D. Pulse Farmer's perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	Improved variety HUL-57	yes better yield and less problem of wilt and other disease	Gave better result and less susceptibility to disease	agree for use of seed in next season	no	yes	No

E. Specific Characteristics of Technology and Performance

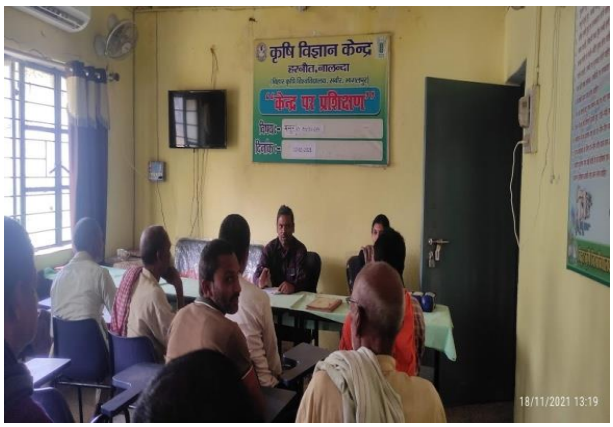
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HUL-57	Wilt resistance and high yielding	Better Yield performance and less disease and pest infestation in comparison to local check	Agree for seed replacement for next season

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Diagnostic Visit and site selection	15.11.2021(Cheran and Gokhulpur)	33
2..	FLD training	18.11.2021(At KVK,Harnaut,Nalanda)	25
3.	Field Visit	17-01-2022 (Gokhulpur)	12
4.	Field Visit	22.03.2022(Cheran)	17
5.	Field day	16.03.2022(Gokulpur)	30
6.	Field Day	23.03.2022(Cheran)	31

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

H. Farmers' training photographs



I. Photographs of field visits/field days:

J. Details of budget utilization up to 31.03.2022

Crop (provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Lentil	i) Critical input	81,000.00	80,545.00	455.00
	ii) TA/DA/POL etc. for monitoring	9,000.00	8,922.00	78.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000.00**	89,467.00	533**.00**

Kharif-2022

CLUSTER FRONTLINE DEMONSTRATION OF ARHAR (Kharif-2022-23)

1. **Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda**
2. **Year of establishment: 1992**
3. **Host Institution:BAU, Sabour, Bhagalpur**
4. **Address: Gonwana Road, Main road, Harnaut, Nalanda**
5. **District:Nalanda**
6. **State: Bihar**
7. **Performance of the demonstration:**

A.Technical Parameters:

Sl. No.	**Crop demonstrated**	**Existing (Farmer's) variety name**	**Existing yield (q/ha)**	**Yield gap (Kg/ha) w.r.to**			**Name of Variety + Technology demonstrated**	**Number of farmers**	**Area in ha**	**Yield obtained (q/ha)**			**Yield gap minimized (%)**		
				District yield (D)	**State yield (S)**	**Potential yield (P)**				**Max.**	**Min.**	**Av.**	**D**	**S**	**P**
1-	Pigeon Pea	Bahar	9.45	1250	1438	2000	LRG-41	71	20 ha	Crop Standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot				Farmers, feedback
		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	
	LRG-41 +IPM+INM	-	-	-	-	-	-	-	-	-

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Man days/household)
	LRG-41	-	-	-	-	-	-	-

D. Pulse Farmer's perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	LRG-41 +IPM+INM	-	-	-	-	-	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HUL-57		--	-

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Farmers Training and site selection	12.06.2022 (Pokharpur)	22
2.	Farmers Training and site selection	04-07-2022(Puri)	35
3	FLD training	07-07-2022 (At KVK,Harnaut,Nalanda)	23
4.	FLD training	09-07-2022 (At KVK,Harnaut,Nalanda)	24
5.	Field Visit	02/11/2022(Pokharpur)	12
6.	Field Visit	04.01.2023(Pokharpur)	28
7.	Field Day	-	-

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

H . Farmers' training photographs

I. Photographs of field visits/field day

J. Details of budget utilization up to upto31.12.2022

Crop (provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
	i) Critical input	162,,000.00	1,33,480.00	28,520.00
	ii) TA/DA/POL etc. for monitoring	18,000.00	-	18,000.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,80,000.00**	**1,**33,480**.00**	46,520.00

Rabi-2022-23

CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2022-23)

1. Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda

2. Year of establishment: 1992

3. Host Institution: BAU, Sabour, Bhagalpur

4. Address: Gonwana Road, Main road, Harnaut, Nalanda

5. District: Nalanda

6. State: Bihar

7. Performance of the demonstration:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (q/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.	Chickpea	Pusa-256	12.5	9.32	1224	22.00	RVG-202 + IPM +INM	52	20 ha	Crop Standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
	RVG-202 +IPM+INM	-	-	-	-	-	-	-	-

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowin	Produce distributed to other farmers (Kg)	Purpose for which income gaine	Employment Generated (Mandays/house hold)

					g (Kg)		**d was utilize d**	
	RVG-202 +IPM+IN M	-	-	-	-	-	-	-

D. Pulse Farmer's perception of the intervention demonstrated

Sl. No.	**Technologies demonstrated (with name)**	**Farmers' Perception parameters**					
		Suitability to their farming system	**Likings (Preference)**	**Affordability**	**Any negative effect**	**Is Technology acceptable to all in the group/village**	**Suggestions, for change/improvement, if any**
	Improved variety RVG-202 +IPM+INM	-	-	-	-	-	-

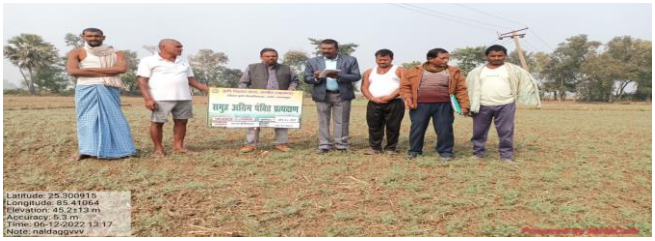
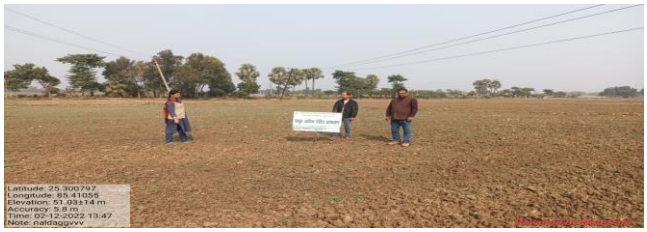
E. Specific Characteristics of Technology and Performance

Specific Characteristic	**Performance**	**Performance of Technology vis-a vis Local Check**	**Farmers Feedback**
RVG-202	-	-	-

F. Extension activities under FLD conducted:

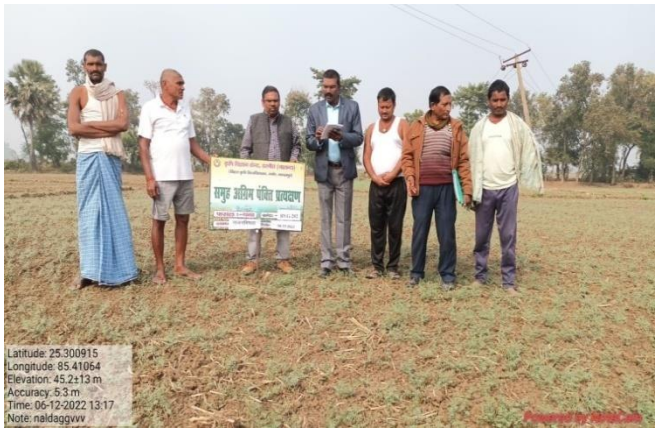
Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1.	Diagnostic visit and site selection	06.1**0**.2021 (Murlabighar and Rajanbigha)	45
2.	Diagnostic Visit and site selection	15.1**0**.2022 (Nayakhandha)	22
3.	FLD training	03**.**11.2022 (At KVK,Harnaut,Nalanda)	2**7**
4.	FLD training	04**.**11.2022 (At KVK,Harnaut,Nalanda**)**	**2**4
5.	FLD training	02.12.2022 (At KVK,Harnaut,Nalanda**)**	16
6.	Diagnostic Visit	05.01.2023(Murlabigha & Rajanbigha)	42
7.	Field Day	-	

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

H. Farmers' training photographs


I. Photographs of field visits/field days

11. Details of budget utilization up to31.12.2022

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	1,62,000.00	1,48,450.00	13,550.00
	ii) TA/DA/POL etc. for monitoring	18,000.00	6,500.00	11,500.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,80,000.00**	**1,54,950.00**	**25,050.00**

Rabi-2022-23

CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2021-22)

1.Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda

2. Year of establishment: 1992

3. Host Institution:BAU, Sabour, Bhagalpur

4. Address: Gonwana Road, Main road, Harnaut, Nalanda

5. District:Nalanda

6. State: Bihar

7. Performance of the demonstration:

ATechnical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1-	Lentil	Arun	9.2	1230	1035	2000	HUL-57	50	20 ha	Crop Standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot				Farmers, feedback
		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	
	HYV HUL-57	-	-	-	-	-	-	-	-	-

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
	HYV HUL-57	-	-	-	-	-	-	-

D- Pulse Farmer's perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	Improved variety HUL-57	-	-	-	-	-	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HUL-57	-	--	-

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Diagnostic Visit and site selection	15.11.2022(Madhopur dih and Bhathar)	33
2.	Diagnostic Visit and site selection	14.11.2022(Hirdanbigha)	23
3.	FLD Training	26.10.2022(At KVK,Harnaut)	22
4.	FLD Training	02.12.2022(At KVK,Harnaut)	16
5.	Field Visit	03.01.2023Madhopur dih & Bhathar)	37
6.	Field day	-	

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

H. Farmers' training photographs

I. Photographs of field visits/field days

J. Details of budget utilization up to 31.12.2022

Crop (provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Lentil	i) Critical input	1,62,000.00	1,50,540.00	11,460.00
	ii) TA/DA/POL etc. for monitoring	18,000.00	0.00	18,000.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,80,000.00**	**1,50,540.00**	**29,460.00**

Performance of the demonstration under CFLD on Oilseed Crops during 2021-22&202223

Rabi-2021-22

CLUSTER FRONTLINE DEMONSTRATION OF RABI OILSEEDS(2021-22)

1. **Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda**
2. **Year of establishment: 1992**
3. **Host Institution: BAU, Sabour, Bhagalpur**
4. **Address: Gonwana Road, Main road, Harnaut, Nalanda**
5. **District: Nalanda**
6. **State: Bihar**
7. **Performance of the demonstration:**

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1-	Mustard	Varuna/ Mahico gold	9.82	1040	1373	2000	RH-749	109	40 ha	17.85	11.38	14.62	37.2	36.0	(-)31.1

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot				Farmers, feedback
		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	
	RH-749	21500	73650	52150	3.42	23400	110100	86700	4.78	Better variety less insect and disease

										infestation s.

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Man days/household)
	RH-749	23200	200kg	58/ kg	20	35	To meet out daily expenses, KCC loan etc.	35 mandays

D. Oil Seed Farmer's perception of the intervention demonstrated

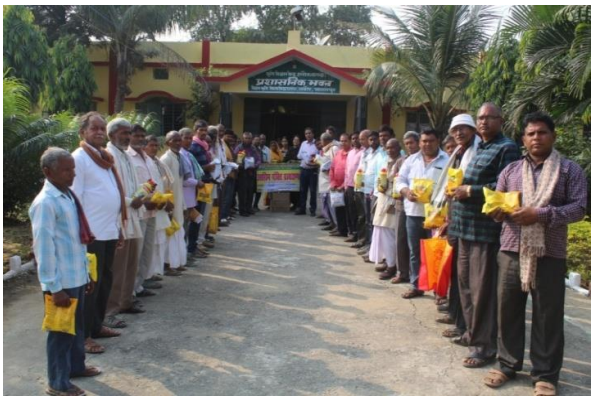
Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	RH-749	Better yield With Higher income.	less attack of Aphid results better yield	yellow mustard is more preferred	No	Yes	yellow mustard is more preferred with new improved HYV

E. Extension activities under FLD conducted:

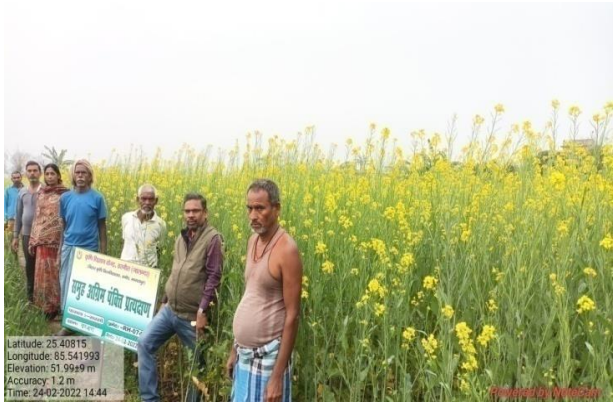
Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1.	Diagnostic visit and site selection	10-01-2021(Anantpur,Juhichak)	43
2.	Diagnostic visit and site selection	12-11-2021 (Patharaura,Kharuara & Gosaibigha)	45
3.	FLD training	19-11-2021(At KVK,Harnaut,Nalanda)	38
4.	FLD training	22-11-2021(At KVK,	26

		Harnaut,,Nalanda)	
5.	FLD Training	26-11-2021 (At KVK, Harnaut,Nalanda)	20
6.	FLD Taining	29-12-2021 (At KVK,Harnaut, Nalanda)	23
7.	Field Visit	15-12-2021 (Anantpur)	21
8	Field Visit	24-02-2022(Kharuara)	14
9	Field Day	17.03.2022 (Juhichak)	50
10.	Field Day	28.03.20229(Gosainbigha)	52

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

10. Photographs of field visits/field days



11. Details of budget utilization up to 31.03.2022

Crop (provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Mustard	i) Critical input	2,16,000.00	2,11,670.00	4,330.00
	ii) TA/DA/POL etc. for monitoring	24,000.00	23,00.00	1,000.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**2,40,000.00**	2,34,670.00	5330.00

Rabi-2022-23

CLUSTER FRONTLINE DEMONSTRATION OF RABI OILSEEDS (Mustard) (2020-21)

1. **Name of KVK: Krishi Vigyan Kendra, Harnaut, Nalanda**
2. **Year of establishment: 1992**
3. **Host Institution:BAU, Sabour, Bhagalpur**
4. **Address: Gonwana Road, Main road, Harnaut, Nalanda**
5. **District: Nalanda**
6. **State: Bihar**
7. **Performance of the demonstration:**

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1-	Mustard	Varuna/ Mahico gold	9.82	1040	1373	2000	RH-725	52	20 ha	Crop standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot				Farmers Feedback
		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	
	Rh-725	-	-	-	-	-	-	-	-	-

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was	Employment Generated (Man days/house hold)

							utilized	
	RH-725	-	-	-	-	-	-	-

D. Oil Seed Farmer's perception of the intervention demonstrated

Sl. No.	**Technologies demonstrated (with name)**	**Farmers' Perception parameters**					
		Suitability to their farming system	**Likings (Preference)**	**Affordability**	**Any negative effect**	**Is Technology acceptable to all in the group/village**	**Suggestions, for change/improvement, if any**
	RH-725	-	-	-	-	-	-

E Specific Characteristics of Technology and Performance

Specific Characteristic	**Performance**	**Performance of Technology vis-a vis Local Check**	**Farmers Feedback**
RH-725	-	-	-

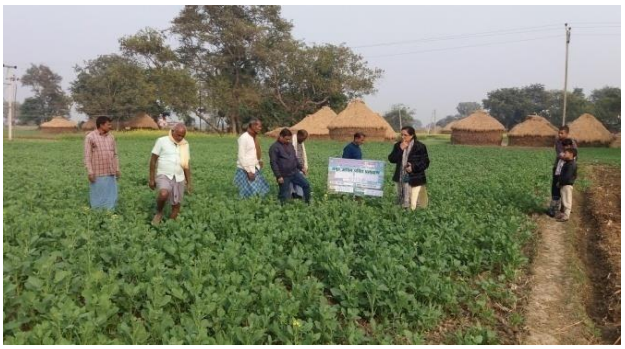
F. Extension activities under FLD conducted till dates:

Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1.	Diagnostic visit and site selection	30-10-2022 (Manikpur**)**	42
2.	Diagnostic visit and site selection	02-11-2022 (Birampur)	23
3.	FLD training	09-11-2022(At KVK,Harnaut,Nalanda)	25
4.	FLD training	10-1-2022 (At KVK, Harnaut,,Nalanda	12
5.	FLD Training	19-11-2022 (At KVK, Harnaut,Nalanda)	15
6.	FLD Taining	26-12-2022 (At KVK,Harnaut, Nalanda)	15
7.	Field Visit	03.01.2022(Manikpur)	18
8.	Field Day		

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

9. Farmers' training photographs

10. Photographs of field visits/field days



11. Details of budget utilization up to 31.12.2022

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard	i) Critical input	108000.00	60660.00	47340.00
	ii) TA/DA/POL etc. for monitoring	12000.00	-	12.000.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**120000.00**	**60660.00**	**59340.00**

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies													
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, (cultivation of crops)	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Horticulture	-	-	-	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	05	73	22	95	11	04	15	-	-	-	84	26	110
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of low volume and high value crops	03	85	03	88	21	-	21	-	-	-	106	03	109
Off-season vegetables	01	42	-	42	08	-	08/	-	-	-	50	-	50
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	01	13	-	13	02	-	02	-	-	-	15	-	15
Others, if any (Organic	02	28	06	34	06	01	07	-	-	-	34	07	41

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
Farming)													
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable Cultivation	12	108	84	192	24	37	61	-	-	-	132	121	253
b) Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	04	63	20	83	24	07	31	-	-	-	87	27	114
Cultivation of Fruit	01	12	01	13	03	01	04	-	-	-	15	02	17
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	01	10	21	31	04	11	15	-	-	-	14	32	46
Plant propagation techniques	01	13	-	13	02	-	02	-	-	-	15	-	15
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	02	25	-	25	03	-	03	-	-	-	28	-	28
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	01	13	-	13	02	-	02	-	-	-	15	-	15
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**34**	**485**	**157**	**642**	**110**	**61**	**171**	**-**	**-**	**-**	**595**	**218**	**813**
III. Soil Health and Fertility Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil fertility management	15	250	46	296	59	14	73	-	-	-	309	60	369
Soil and Water Conservation	03	68	-	68	19	-	19	-	-	-	87	-	87
Integrated Nutrient Management	08	106	56	162	40	07	47	-	-	-	146	63	209
Production and use of organic inputs	02	11	14	25	04	05	09	-	-	-	15	19	34
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	08	120	31	151	28	05	33	-	-	-	148	36	184
Others, if any													
Total	**36**	**555**	**147**	**702**	**150**	**31**	**181**	**-**	**-**	**-**	**705**	**178**	**883**
IV. Livestock Production and Management													
Dairy Management	08	134	64	198	38	33	71	-	-	-	172	97	269
Poultry Management	05	61	01	62	22	18	40	-	-	-	83	19	102
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	05	94	04	98	23	03	26	-	-	-	117	07	124
Feed management	01	17	-	17	04	-	04	-	-	-	21	-	21
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any Goat farming	08	169	45	214	53	16	69	-	-	-	222	61	283
Total	**27**	**475**	**114**	**589**	**140**	**70**	**210**	**-**	**-**	**-**	**615**	**184**	**799**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	04	22	51	73	07	18	25	-	-	-	29	69	98
Design and development of low/minimum cost diet	02	22	01	23	05	0	05	-	-	-	15	13	28
Designing and development for high nutrient efficiency diet	02	0	28	28	0	09	09	-	-	-	0	37	37
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	01	02	10	12	0	5	05	-	-	-	02	15	17
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	02	16	09	25	04	06	10	-	-	-	20	15	35
Income generation activities for empowerment of rural Women	02	57	0	57	16	0	16	-	-	-	65	08	73
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
-Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building	03	05	55	60	0	22	22	-	-	-	11	71	82
Women and child care	01	03	48	51	01	21	22	-	-	-	04	69	73
Others, if any	1	10	21	31	04	11	15	--	-	-	14	32	46
Total	**18**	**137**	**223**	**360**	**37**	**92**	**129**	**-**	**-**	**-**	**174**	**315**	**489**
VI.Agril. Engineering													
Installation and maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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
fingerlings													
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
X. Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
XII. Others (Pl. Specify)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**115**	**1652**	**641**	**2293**	**437**	**254**	**691**	**-**	**-**	**-**	**2089**	**895**	**2984**

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	04	57	22	79	12	07	19	-	-	-	69	29	98
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated farming													
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	01	10	26	36	01	06	07	-	-	-	11	32	43
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	01	-	-	-	02	28	30	-	-	-	02	28	30
Vermi-culture	01	04	16	20	-	09	09	-	-	-	04	25	29
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	01	-	21	21	-	11	11	-	-	-	-	32	32
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	01	0	16	16	0	22	22	-	-	-	0	38	38
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Dairying	02	63	06	69	04	02	06	-	-	-	67	08	75
Sheep and goat rearing	01	35	01	36	07	-	07	-	-	-	42	01	43
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	01	34	02	36	05	-	05	-	-	-	39	02	41
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**13**	**203**	**110**	**313**	**31**	**85**	**116**	**-**	**-**	**-**	**234**	**195**	**429**

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	05	-	05	-	-	-	-	-	-	05	-	05
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-	-	-	
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-	-	-	
Vegetable cultivation													
Formation and Management of SHGs	1	05	-	05	-	-	-	-	-	-	05	-	05
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	
Information networking among	-	-	-	-	-	-	-	-	-	-	-	-	

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
farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	01	20	01	21	10	-	10	-	-	-	30	01	31
Household food security													
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**03**	**30**	**01**	**31**	**10**	**-**	**10**	**-**	**-**	**-**	**40**	**01**	**41**

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, (cultivation of crops)	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	01	-	09	09	-	12	12	-	--		-	21	21
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	03	28	05	35	08	03	11	-	-	-	36	08	44

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
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	01	-	26	26	-	10	10	-	-	-	-	36	36
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Organic farming)	01	07	04	11	01	02	03	-	-	-	08	06	14
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable cultivation	11	88	93	181	33	36	69	-	-	-	121	129	250
b) Fruits													
Layout and Management of Orchards	02	38	26	64	10	09	19	-	-	-	48	35	83
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	01	27	-	27	03	-	03	-	-	-	30	-	30
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any(High Value crop)	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	02	56	16	72	17	07	24	-	-	-	73	23	96
Processing and value addition	01	14	02	16	03	01	04	-	-	-	17	03	20
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	01	14	-	14	01	-	01	-	-	-	15	-	15
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**24**	**272**	**181**	**453**	**76**	**80**	**156**	**-**	**-**	**-**	**348**	**261**	**609**
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management													
Soil fertility management	13	226	57	283	58	25	83	-	-	-	284	82	366
Soil and Water Conservation	01	*33*	-	--	09	-	09	-	-	-	42	-	42
Integrated Nutrient Management	03	40	25	65	11	10	21	-	-	-	51	35	86
Production and use of organic inputs	01	15	07	22	05	08	13	-	-	-	20	15	35
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	04	24	46	70	09	16	25	-	-	-	33	71	104
Others, if any													
Total	**22**	**338**	**135**	**473**	**92**	**59**	**151**	**-**	**-**	**-**	**430**	**203**	**624**
IV. Livestock Production and Management													
Dairy Management	04	66	16	82	14	09	23	-	-	-	80	25	105
Poultry Management	03	61	03	64	19	-	19	-	-	-	80	03	83
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	02	48	18	66	12	09	21	-	-	-	60	27	87
Feed management	01	22	06	28	11	02	13	-	-	-	33	08	41
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any Goat farming	01	08	24	32	02	09	11	-	-	-	10	33	43
Total	11	205	67	272	58	29	87	-	-	-	263	96	359
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	03	18	27	45	06	11	17	-	-	-	24	38	62
Design and development of low/minimum cost diet	05	0	39	39	0	30	41	-	-	-	-	69	69
Designing and development for high nutrient efficiency diet	03	08	56	64	02	24	26	-	-	-	10	82	92
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	01	0	12	12	0	40	40	-	-	-	0	52	52
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	01	0	14	14	0	03	03	-	-	-	-	17	17
Value addition	04	01	49	50	0	25	25	-	-	-	01	75	76
Income generation activities for empowerment of rural	03	16	25	41	04	06	10	-	-	-	20	31	51

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
Women													
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	01	0	09	09	09	0	09	-	-	-	0	21	21
Capacity building	-	-	-	-*	-	-	-	-	-	-	-	-	-
Women and child care	02	03	36	39	03	21	24	-	-	-	06	58	64
Others, if any(Nutrition security)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**23**	**46**	**267**	**313**	**24**	**160**	**184**	**-**	**-**	**-**	**70**	**427**	**497**
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-	-	-
BeeKeeping	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII. Fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture & fish disease	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	-	-	-	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
IX. Production of Inputs at site	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
X. Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
XII. Others (Pl. Specify)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**80**	**861**	**650**	**1511**	**250**	**328**	**578**	**-**	**-**	**-**	**1111**	**978**	**2089**

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-

F) 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	01	31	01	32	05	03	08	-	-	-	36	04	40
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	01	18	04	22	07	04	11	-	-	-	25	08	33
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Tuber crop cultivation													
Nursery raising													
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Management in farm animals	01	04	07	11	02	02	04	-	-	-	06	09	15
Livestock feed and fodder production													
Goat Rearing													
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop intensification	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and water testing	01	-	57	57	-	23	23	-	-	-	-	80	80
TOTAL	**4**	**53**	**69**	**122**	**14**	**32**	**46**				**67**	**101**	**168**

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies													
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, (cultivation of	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	06	73	31	104	11	16	27	-	-	-	84	47	131
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of low volume and high value crops	3	85	3	88	21	-	21	-	-	-	106	3	109
Off-season vegetables	1	42	-	42	8	-	8	-	-	-	50	-	50
Nursery raising													
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	13	-	13	2	-	2	-	-	-	15	-	15
Vegetable cultivation	23	196	177	210	57	63	130	-	-	-	253	250	503
Others, if any (Organic Farming)	3	31	10	45	7	3	10	-	-	-	42	11	55
TOTAL													
b) Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	6	101	46	147	34	16	50	-	-	-	135	62	197
Cultivation of Fruit	1	12	1	13	3	1	4	-	-	-	15	2	17
Management of young plants/orchards													
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	1	10	21	31	4	11	15	-	-	-	14	32	46
Plant propagation techniques	1	13	-	13	02	-	02	-	-	-	15	-	15
Others, if any(INM)													
TOTAL													
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Management technology													
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	4	81	16	97	20	7	27	-	-	-	101	23	124
Processing and value addition													
Others, if any													
TOTAL													
f) Spices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	2	27	-	27	03	-	03	-	-	-	30	-	30
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**52**	**684**	**305**	**830**	**172**	**117**	**299**				**860**	**430**	**1292**
III. Soil Health and Fertility Management													
Soil fertility management	13	476	103	579	117	39	156	-	-	-	533	142	735
Soil and Water Conservation	4	101	-	101	28	-	28	--	-	-	129	-	129
Integrated Nutrient Management	11	146	81	227	54	17	68	-	-	-	197	98	295
Production and use of organic inputs	3	26	21	47	9	13	22	-	-	-	35	34	69
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	12	144	77	221	37	21	58	-	-	-	181	107	288
Others, if any													
TOTAL	**43**	**893**	**282**	**1175**	**245**	**90**	**332**				**1075**	**381**	**1516**
IV. Livestock Production and Management													
Dairy Management	12	200	80	280	52	42	94	-	-	-	252	122	374
Poultry Management	08	122	04	126	41	18	59	-	-	-	163	22	185
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Disease Management	07	142	22	164	35	12	47	-	-	-	177	34	211
Feed management	02	39	06	45	15	02	17	-	-	-	54	08	62
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Goat farming)	09	177	69	246	55	25	80	-	-	-	232	94	326
TOTAL	**38**	**680**	**181**	**861**	**198**	**99**	**297**				**878**	**280**	**1158**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	7	0	78	118	13	29	42	-	-	-	53	107	160
Design and development of low/minimum cost diet	7	22	40	62	5	30	46	-	-	-	15	82	97
Designing and development for high nutrient efficiency diet	5	8	84	92	2	33	35	-	-	-	10	119	129
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	1	0	12	12	0	40	40	-	-	-	0	52	52
Storage loss minimization techniques													
Enterprise development	1	0	14	14	0	3	3	-	-	-	0	17	17
Value addition	6	17	58	75	4	31	35	-	-	-	21	90	111
Income generation activities for empowerment of rural Women	5	73	25	98	20	6	26	-	-	-	85	39	124
Location specific drudgery reduction technologies													
Rural Crafts	01	0	9	9	9	0	9	-	-	-	0	21	21
Capacity building	3	5	55	60	0	22	22	-	-	-	11	71	82
Women and child care	3	6	84	90	4	42	46	-	-	-	10	127	137
Others, if any (Nutrition Security)	1	10	21	31	4	11	15	-	-	-	14	32	46
TOTAL	**40**	**141**	**480**	**661**	**61**	**247**	**319**				**219**	**757**	**976**
VI. Agril. Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII. Fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture & fish disease	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	-	-	-	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
IX. Production of Inputs at site	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Organic manures production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
X. Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
XII. Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**195**	**2513**	**1291**	**3804**	**687**	**582**	**1269**	**-**	**-**	**-**	**3200**	**1873**	**5073**

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	04	57	22	79	12	07	19	-	-	-	69	29	98
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated farming													
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	01	10	26	36	01	06	07	-	-	-	11	32	43
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	01	-	-	-	02	28	30	-	-	-	02	28	30
Vermi-culture	01	04	16	20	-	09	09	-	-	-	04	25	29
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	01	-	21	21	-	11	11	-	-	-	-	32	32
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	01	0	16	16	0	22	22	-	-	-	0	38	38
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	02	63	06	69	04	02	06	-	-	-	67	08	75
Sheep and goat rearing	01	35	01	36	07	-	07	-	-	-	42	01	43
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	01	34	02	36	05	-	05	-	-	-	39	02	41
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Others if any (ICT application in agriculture)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**13**	**203**	**110**	**313**	**31**	**85**	**116**				**234**	**195**	**429**

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	36	1	37	5	3	8				41	4	45
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	01	18	04	22	07	04	11	-	-	-	25	08	33
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuber crop cultivation													
Nursery raising													
Vegetable cultivation													
Formation and Management of SHGs	1	05	-	05	-	-	-	-	-	-	05	-	05
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Management in farm animals	01	04	07	11	02	02	04	-	-	-	06	09	15
Livestock feed and fodder production	01	20	01	21	10	-	10	-	-	-	30	01	31
Goat Rearing													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop intensification	-	-	-	-	-	-	-	-	-	-	-	-	-

Soil and water testing	01	-	57	57	-	23	23	-	-	-	-	80	80
TOTAL	**7**	**83**	**70**	**153**	**24**	**32**	**56**				**107**	**102**	**209**

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)	No. of Participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Soil Science										
02/12/2022	Practicing Farmers	Importance of Soil and water testing	01	ON	15	-	15	02	-	02
05/12/2022	Practicing Farmers	Importance of Soil Health card	01	ON	-	36	36	-	14	14
19/12/2022	Practicing Farmers	Nutrient Management in Mustard	01	OFF	10	05	15	-	-	-
24/12/2022	Extension Functionaries	Nutrient Management in Rabi crop	01	OFF	31	01	32	05	03	08
03/11/2022	Practicing Farmers	Integrated nutrient management in vegetables	01	ON	18	-	18	04	-	04
04/11/2022	Practicing Farmers	Nutrient Management in Chickpea	01	ON	18	-	18	02	-	02
09/11/2022	Practicing Farmers	Importance of Soil and water testing	01	ON	-	21	21	-	04	04
10/11/2022	Practicing Farmers	Nutrient Management in mustard	01	ON	09	01	10	01	-	01
14/11/2022	Practicing Farmers	Different methods of irrigation	01	ON	42	-	42	08	-	08
12/11/2022	Practicing Farmers	INM in Vegetable	01	OFF	17	01	18	04	01	05
20/11/2022	Practicing Farmers	Nutrient Management in Rabi crop	01	OFF	32	-	32	08	-	08
17/11/2022	Practicing Farmers	Nutrient Management in Rabi crop	01	ON	21	-	21	04	-	04
23/11/2022	Practicing Farmers	Integrated Nutrient Management in Paddy	01	ON	28	03	31	05	-	05
07/10/2022	Practicing Farmers	Production and use of organic compost	01	OFF	15	07	22	05	08	13
11/10/2022	Practicing Farmer	Crop residues management	01	ON	25	-	25	08	-	08
17/10/2022	Extension Functionar	Nutrient management	01	ON	05	07	12	02	03	05

	ies	in vegetables								
20/10/2022	Practicing Farmers	Nutrient management in vegetables	01	ON	08	06	14	03	04	07
26/10/2022	Practicing Farmers	Nutrient management in Rabi pulses (Lentil)	01	ON	19	01	20	01	01	02
28/10/2022	Practicing Farmers	Importance of soil and water testing	01	ON	05	09	14	01	01	02
07/09/2022	Practicing Farmers	Importance of Soil and water testing	01	ON	32	-	32	08	-	08
09/09/2022	Practicing Farmers	Vermi composting	01	ON	11	03	14	04	01	05
12/09/2022	Practicing Farmers	Nutrient management in Arhar and vegetables	01	OFF	07	04	11	01	02	14
13/09/2022	Practicing Farmers	Nutrient management in paddy	01	ON	26	-	26	10	-	10
14/09/2022	Practicing Farmers	Water management in paddy crop	01	ON	20	-	20	05	-	05
20/09/2022	Practicing Farmers	INM in paddy	01	ON	03	38	41	-	12	12
30/09/2022	Practicing Farmers	Nutrient management in paddy	01	OFF	53	-	53	15	-	15
09/08/2022	Practicing Farmers	Nutrient Management in Paddy	01	OFF	27	-	27	03	-	03
03/08/2022	Practicing Farmers	Production and use of vermi compost	01	ON	-	11	11	-	04	04
02/07/2022	Practicing Farmers	Nutrient management in Nutri garden	01	OFF	-	05	05	-	03	03
11/07/2022	Practicing farming	Nutrient management in paddy	01	OFF	14	03	17	04	-	04
12/07/2022	Practicing farming	Integrated nutrient management in Arhar	01	ON	-	18	18	-	07	07
13/07/2022	Practicing Farmers	Nutrient management in Kharif paddy	01	ON	10	-	10	02	-	02
14/07/2022	Practicing Farmers	Integrated Nutrient management in Arhar	01	ON	13	-	13	02	-	02
07/06/2022	Practicing Farmers	Integrated nutrient management in paddy	01	ON	13	01	14	02	-	02

13/06/2022	Practicing Farmers	Importance of Soil and water testing	01	OFF	12	-	12	04	-	04
04/05/2022	Practicing Farmers	Importance of INM in Rabi oil seed and pulses	01	ON	23	-	23	08	-	08
07/05/2022	Practicing Farmers	Organic Vegetable Production	01	OFF	17	03	20	09	-	09
20/05/2022	Extension Functionaries	Importance of Soil and water testing	01	OFF	-	57	57	-	23	23
26/05/2022	Practicing Farmers	Nutrient management in Kharif crop	01	OFF	205	15	220	45	10	55
06/04/2022	Practicing Farmers	Importance of Land leveling in water conservation	01	OFF	33	-	33	09	-	09
01/04/2022	Practicing farmers	Nutrient management in summber Moong	01	OFF	15	-	15	04	-	04
02/04/2022	Practicing Farmers	Importance of Soil and water	01	ON	16	01	17	03	-	03
04/04/2022	Practicing Farmers	Nutrient Management in moong crop	01	ON	09	02	11	02	02	04
08/04/2022	Practicing Farmers	Nutrient Management in moong crop	01	ON	17	04	21	02	-	02
13/04/2022	Practicing Farmers	INM in summer crops	01	OFF	08	24	32	02	09	11
25/04/2022	Practicing Farmers	Importance of land leveling in water management	01	ON	25	-	25	06	-	31
11/03/2022	Practicing Farmers	Nutrient management in Rabi crops	01	ON	11	-	11	04	-	04
31/03/2022	Practicing Farmers	Importance of soil & water testing	01	ON	16	-	16	04	-	04
29/03/2022	Practicing Farmer	Nutrient management in summer crops	01	OFF	-	22	22	-	13	13
17/03/2022	Practicing Farmer	Nutrient management in Rabi oil seeds	01	OFF	30	02	32	08	-	08
23/03/2022	Practicing Farmers	Nutrient management in Lentil	01	ON	17	02	19	06	-	06
24/03/2022	Practicing Farmers	Integrated nutrient management in chickpea	01	OFF	17	-	17	03	-	03
	Practicing Farmers	Importance of soil water	01	OFF	-	26	26	-	10	10

25/03/2022		testing								
26/03/2022	Practicing Farmers	Importance of Soil water & testing	01	OFF	10	06	16	04	02	06
28/03/2022	Practicing Farmers	Importance of soil and water testing	01	OFF	02	14	16	01	04	05
02/02/2022	Practicing Farmers	Nutrient management in Rabi crops	01	OFF	14	-	14	01	-	01
10/02/2022	Practicing Farmers	Nutrient and weed management in pulses	01	ON	28	02	30	16	-	16
15/02/2022	Practicing Farmers	Nutrient of weed management in Arhar	01	OFF	14	02	16	03	01	04
28/02/2022	Practicing Farmers	Nutrient management in Rabi crops	01	ON	37	-	37	07	-	07
03/01/2022	Practicing Farmers	Nutrient management in Mustard crop	01	OFF	03	16	19	02	07	09
24/01/2022	Practicing Farmers	INM in vegetables crops	01	ON	08	-	08	-	02	02
Home Science										
05/12/2022	Practicing Farmers	Health benefit of organic farming	01	ON	00	36	36	-	14	14
20/12/2022	Practicing Farmers	Mushroom food & management	01	OFF	00	14	14	00	03	03
04/11/2022	Practicing Farmers	Benefits of veg. in malnutrition	01	ON	04	14	18	-	06	06
14/11/2022	Practicing Farmers	Diversity in food consumption	01	OFF	00	12	12	00	04	04
21/11/2022	Practicing Farmers	Preparation of health mix	01	ON	00	17	17	00	05	05
11/11/2022	Practicing Farmers	SHG Role of Importance	01	ON	02	10	12	00	05	05
01/10/2022	Practicing Farmers	Importance of Fruits & veg in management of malnutrition	01	ON	00	07	07	00	02	09
11/10/2022	Practicing Farmers	Mushroom Production	01	ON	25	00	25	08	00	08
20/10/2022	Practicing Farmers	Benefits of fruit veg.	01	ON	08	06	14	03	04	07
03/09/2022	Practicing Farmers	Biofortified crops	01	OFF	00	21	21	00	08	08
21/09/2022	Practicing Farmers	Nutrtion for adolescent	01	OFF	00	29	29	00	16	16

		girls								
20/09/2022	Practicing Farmers	Nutri garden	01	ON	03	38	41	-	12	12
02/09/2022	Practicing Farmer	Importance of Vit A rich fruit	01	ON	12	01	13	03	-	03
07/09/2022	Practicing Farmers	Mushroom cultivation	01	ON	32	-	32	08	-	08
01/09/2022	Extension Functionaries	Nutri Garden	01	OFF	-	09	09	-	04	04
03/08/2022	Practicing Farmers	Benefits of Nutricereals	01	ON	-	11	11	-	04	04
02/08/2022	Practicing Farmers	Benefits of Mushroom	01	OFF	-	06	06	-	02	02
23/08/2022	Practicing Farmers	Benefits of Nutricereal Madua	01	OFF	-	06	06	-	04	04
11/07/2022	Practicing Farmers	Mushroom production	01	OFF	14	03	17	04	-	04
13/07/2022	Practicing Farmer	Nutri value of vegetable	01	ON	10	-	10	02	-	02
01/07/2022	Practicing Farmer	High efficieny diet	01	OFF	-	11	11	-	07	07
05/07/2022	Practicing Farmer	Gender and Nutrition	01	OFF	-	11	11	-	03	03
06/07/2022	Practicing Farmer	Low cost diet	01	OFF	-	02	02	-	04	04
08/07/2022	Practicing Farmer	Low cost recipe	01	OFF	-	07	07	-	04	04
04/06/2022	Practicing Farmer	Water conservation	01	ON	10	21	31	04	11	15
13/06/2022	Practicing Farmer	Benefits of Nutrigarden	01	OFF	12	-	12	04	-	04
17/06/2022	Practicing Farmer	Low cost supplementary food	01	OFF	-	14	14	-	08	08
24/06/2022	Practicing Farmer	Role of SHG and ways to income	01	ON	01	05	06	-	02	02
28/06/2022	Practicing Farmer	Nutritious food from Ragi	01	OFF	01	13	14	-	04	11
09/05/2022	Practicing Farmer	Tie and Dye work in different product	01	OFF	-	09	09	-	12	12
25/05/2022	Practicing Farmer	Food and feeding practices in women and child	01	OFF	-	05	05	-	11	11
20/05/2022	Extension Functionaries	Micro nutrient deficiency and management among women and child	01	OFF	-	23	23	-	57	57
11/04/2022	Practicing Farmer	Tomato Sauce	01	OFF	-	18	18	-	14	14
13/04/2022	Practicing	Biofortified	01	OFF	08	24	32	02	09	11

	Farmer	enriched wheat								
08/03/2022	Practicing Farmer	Gender and womens day celebration	01	ON	03	48	51	01	21	22
11/03/2022	Practicing Farmer	Awareness reg. nutrigarden and its benefits	01	ON	11	-	11	04	-	04
31/03/2022	Practicing Farmer	Mushroom cultivation	01	ON	16	-	16	04	-	04
03/02/2022	Practicing Farmer	Nutrigarden management	01	OFF	06	14	20	02	05	07
22/02/2022	Practicing Farmer	Women participation in	01	OFF	-	12	12	-	40	40
06/01/2022	Practicing Farmer	Mushroom processing	01	OFF	02	16	18	-	04	04
14/01/2021	Practicing Farmer	Nutri Garden	01	OFF	-	13	13	-	06	19
24/01/2022	Practicing Farmer	Nutrition for adolescent girl	01	OFF	03	07	10	03	05	08
25/01/2022	Practicing Farmer	Tomato precessing	01	OFF	-	09	09	-	06	06
Horticulture										
20/12/2022	Practicing Farmer	Vegetable cultivation establish cum nutrition garden	01	OFF	-	14	14	-	03	03
02/12/2022	Practicing Farmer	Scientific cultivation of potato	01	ON	15	-	15	02	-	02
19/12/2022	Practicing Farmer	Scientific cultivation of potato	01	ON	10	05	15	-	-	-
03/11/2022	Practicing Farmer	Scientific Cultivation of Rabi vegetables	01	ON	18	04	22	04	-	04
07/11/2022	Practicing Farmer	Scientific cultivation of potato	01	ON	10	-	10	01	-	01
09/11/2022	Practising farmer	Scientific cultivation of potato	01	ON	-	21	21	-	04	04
10/11/2022	Practising Farmer	Scientific cultivation of Potato	01	ON	09	01	10	01	-	01
14/11/2022	Practicing Farmer	Low tunnel vegetable cultivation	01	ON	42	-	42	-	-	-
17/11/2022	Practicing Farmer	Scientific Cultivation of Rabi Vegetables	01	OFF	25	-	25	13	-	13
22/11/2022	Practicing Farmer	Raising of vegetable seedlings in low tunnel	01	ON	13	-	13	02	-	02

23/11/2022	Practicing Farmer	Use of paddy straw as mulch in vegetable cultivation	01	ON	28	03	31	05	-	05
25/11/2022	Practicing Farmer	Scientific cultivation of corriander	01	ON	13	-	13	02	-	02
30/11/2022	Extension Functionaries	Micro irrigation system in orchard	01	OFF	36	14	50	06	04	10
01/10/2022	Practicing Farmer	Establishment of Nutrition garden cum vegetable cultivation	01	ON	-	07	07	-	02	02
07/10/2022	Practicing Farmer	Scientific cultivation of Rabi vegetables	01	OFF	15	17	32	05	08	13
11/10/2022	Practicing Farmer	Use of paddy straw as multching in brinjal cultivation	01	ON	25	-	25	08	-	08
17/10/2022	Practicing Farmer	Scientific cultivation of Rabi Vegetables	01	ON	05	07	12	02	03	05
20/10/2022	Practicing Farmer	Scientific cultivation of Tomato	01	ON	18	-	18	-	-	-
26/10/2022	Practicing Farmer	Scientific cultivation of Tomato	01	ON	19	01	20	01	01	02
02/09/2022	Practicing Farmer	Scientific cultivation of paddy	01	ON	12	01	13 3	03	01	04
03/09/2022	Practicing Farmer	Vegetable cultivation cum nutrition garden	01	OFF	-	21	21	-	08	08
07/09/2022	Practicing Farmer	Cultivation of Catch crop	01	ON	32	-	32	08	-	08
08/09/2022	Practicing Farmer	Nursery raising of Rabi vegetables	01	OFF	16	-	16	04	-	04
09/09/2022	Practicing Farmer	Organic farming of vegetables	01	ON	11	02	13	04	01	05
12/09/2022	Practicing farmer	Organic farming of vegetables	01	OFF	07	04	11	01	02	03
20/09/2022	Practicing Farmer	Scientific Cultivation of rabi vegetables	01	OFF	17	01	18	07	-	07
30/09/2022	Practicing farmer	Scientific Cultivation of	01	OFF	53	-	53	15	-	15

		Potato								
01/09/2022	Extension Functionaries	Vegetables cultivation cum nutrition garden establishment	01	OFF	-	09	09	-	04	04
03/08/2022	Practicing Farmer	Cultivation of rainny season vegetables	01	ON	-	11	11	-	04	04
09/08/2022	Practicing Farmer	Scientific Cultivation of rabi vegetables	01	OFF	27	-	27	03	-	03
01/07/2022	Practicing Farmer	Scientific Cultivation of Pigeon Pea	01	ON	25	-	25	02	-	02
02/07/2022	Practicing farmer	Scientific cultivation of rainny season vegetables	01	OFF	-	05	05	-	03	03\
11/07/2022	Practicing Farmer	Scientific cultivation of Okra	01	OFF	14	03	17	04	-	04
12/07/2022	Practicing Farmer	Manure and fertilizer schedule in mango orchard	01	ON	-	18	18	-	07	07
13/07/2022	Practicing Farmer	Management of Guava orchard	01	ON	10	-	10	02	-	02
14/07/2022	Practicing Farmer	Layering in guava orchard	01	ON	13	-	13	02	-	02
28/07/2022	Extension Functionaries	Importance of Organic Faring for FPO	01	OFF	-	05	05	-	03	03
07/06/2022	Practicing Farmer	Scientific cultivation of okra	01	ON	13	01	14	02	-	02
13/06/2022	Practicing Farmer	Nursery raising of rainy season vegetable	01	OFF	12	-	12	04	-	04
17/06/2022	Practicing farmer	Nutrigarden establishment cum vegetable cultivation	01	OFF	-	14	14	-	08	08
04/06/2022	Practicing Farmer	Importance of Drip irrigation in orchard	01	ON	10	21	31	04	11	15
07/05/2022	Practicing Farmer	Scientific cultivation of Summer vegetables	01	OFF	17	03	20	09	-	09
09/05/2022	Practicing Farmer	Nutrient management and cultivation of vegetables	01	OFF	-	09	09	-	12	12
20/05/2022	Practicing	Vegetable	01	EF	-	57	57	-	23	23

	Farmer	cultivation cum nutrition garden establishment								
01/04/2022	Practicing Farmer	Scientific cultivation of Okra	01	OFF	15	-	15	04	-	04
02/04/2022	Practicing Farmer	Scientific cultivation of Okra	01	ON	16	01	17	03	-	03
04/04/2022	Practicing Farmer	Organic farming of summer okra	01	ON	09	02	11	02	02	04
08/04/2022	Extension Functionaries	Organic farming of summer okra	01	ON	17	04	21	02	-	02
13/04/2022	Practicing Farmer	Management of mango orchard	01	OFF	08	24	32	02	09	11
25/04/2022	Practicing Farmer	Layout of mango and Guava orchard	01	ON	25	-	25	06	-	06
08/03/2022	Practicing Farmer	Vegetable cultivation cum nutrition garden establishment	01	ON	03	48	51	01	21	22
11/03/2022	Practicing Farmer	Scientific Cultivation of Summer vegetables	01	ON	11	-	11	04	-	174
17/03/2022	Practicing Farmer	Management of Mango orchard	01	OFF	30	02	32	08	-	08
25/03/2022	Practicing Farmer	Grading and standrization of potato tubers	01	OFF	01	-	26	-	10	10
26/03/2022	Practicing Farmer	Scientific cultivation of cucurbetaciou s vegetables	01	OFF	10	06	16	04	02	06
31/03/2022	Practicing Farmer	Scientific cultivation of okra	01	ON	16	-	16	04	-	04
02/02/2022	Practicing Farmer	Scientific cultivation of Onion	01	OFF	14	-	14	01	-	01
10/02/2022	Practicing Farmer	Management of mango orchard	01	ON	28	02	30	16	-	16
15/02/2022	Post Harvest manageme nt	Grading and standrization of potato tubers	01	OFF	14	02	16	03	01	04
24/01/2022	Vegetable cultivation	Scientific cultivation of summer vegetables	01	ON	03	16	19	02	07	08
Vet. Science										

05/12/2022	Practicing Farmer	Management of dairy animals in winter season	01	ON	-	36	36	-	14	14
03/11/2022	Practicing Farmer	Backyard poultry farming	01	ON	18	-	18	04	-	04
14/11/2022	Practicing Farmer	Management of dairy animals in winter	01	ON	42	-	42	08	-	08
22/11/2022	Practicing Farmer	Vacination schedule	01	ON	13	-	13	02	-	02
23/11/2021	Practicing Farmer	Goat Farming	01	ON	28	03	31	-	-	-
11/10/2022	Practicing Farmer	Goat farming	01	ON	25	-	25	08	-	08
12/10/2022	Practicing Farmer	Backyard poultry farming	01	ON	29	-	29	08	-	08
07/09/2022	Practicing Farmer	Dairy management	01	OFF	14	-	14	07	-	07
09/09/2022	Practicing Farmer	Disease management in dairy animals	01	ON	11	02	13	04	01	05
13/09/2022	Practicing farmer	Goat rearing	01	ON	26	-	26	10	-	10
14/09/2022	Practicing Farmer	Backyard poultry farming	01	ON	20	04	24	04	02	06
17/08/2022	Practicing Farmer	Management of Dairy animals in field condition	01	ON	22	18	40	07	15	22
26/08/2022	Extension Functionaries	Role of vaccination	01	ON	12	01	13	06	02	08
31/08/2022	Practicing Farmer	Feeding management of dairy animals	01	ON	31	-	31	14	-	14
14/07/2022	Practicing Farmer	Backyard poultry farming	01	OFF	15	-	15	02	-	02
22/07/2022	Practicing Farmer	Management of Dairy animals in rainy season	01	ON	05	07	14	04	03	07
07/07/2022	Extension Functionaries	Dairy farming	01	ON	05	-	-	-	-	05
08/07/2022	Extension Functionaries	Disease in farm animals	01	ON	05	-	-	-	-	05
17/06/2022	Practicing Farmer	Backyard poultry farming	01	ON	08	-	08	04	01	05
21/06/2022	Practicing Farmer	Goat Management	01	ON	12	08	20	02	03	05
24/06/2022	Practicing	Management	01	ON	14	03	17	04	01	05

	Farmer	of Dairy animals								
04/05/2022	Practicing Farmer	Management of Dairy animals from heat stroke	01	ON	23	-	23	08	-	08
07/05/2022	Practicing Farmer	Backyard Poultry Farming	01	OFF	17	03	20	09	-	09
31/05/2022	Practicing Farmer	Goat farming	01	ON	10	18	28	03	04	07
01/04/2022	Practicing Farmer	Animal green fodder production	01	ON	17	-	17	04	-	04
02/04/2022	Practicing Farmer	Management in animals in summer season	01	ON	16	01	17	03	-	03
04/04/2022	Extension Functionaries	Backyard Poultry Farming	01	ON	-	-	-	04	16	20
13/04/2022	Practicing Farmer	Goat Management	01	OFF	08	24	32	02	09	11
25/04/2022	Practicing Farmer	Management in animals in summer season	01	ON	25	-	25	06	-	06
14/03/2022	Practicing Farmer	Backyard Poultry Farming	01	ON	15	01	16	05	01	06
25/03/2022	Practicing Farmer	Goat rearing	01	ON	16	-	16	05	-	05
28/02/2022	Practicing Farmer	Dairy management	01	ON	37	-	37	07	-	07
01/01/2022	Practicing Farmer	Goat farming	01	ON	21	16	37	06	09	15
24/01/2022	Practicing Farmer	Management of Dairy animals in winter season	01	ON	08	-	08	02	-	02

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	-
1.	Production of organic inputs	Production and use of vermi compost	16 to 18/08/2022 (3days)	04	25	29	2	6	12	-
2.	Mushroom	Mushroom	09 to	17	06	23`	1	6	8	-

	Production	Production and processing	11.02.2022 (3 days)							
3.	Tie and Dye	Tie and Dye	20to 22/04/2022	-	38	38	1	1	2	-
4.	Mushroom Production	Mushroom Production and precessing	15/06/2022 to 18/06/2022 (04 days)	07	15	22	2	12	12	-
5.	Mushroom Production	Mushroom Production	28.11.2022 to 01.12.2022 (04 days)	22	02	24	2	10	10	-
6.	Mushroom Production	Mushroom Production	12 to 15.10.2022 (04 days)	21	08	29	2	15	20	
7.	Natural Farming	Natural Farming in paddy	19 to 22/07/2022	11	32	43	1	2	10	
8.	Flower cultivation	Scientific cultivation of flowers	12 to 15.12.2022 (04 days)	-	21	21	2	4	13	-
9.	Disease management in dairy animals	Disease management in dairy animals	09 to 11.03.2022 (03)	26	04	30	-	-	-	-
10.	Poultry management	Scientific poultry farming	28 to30.03.2022 (03)	39	02	41	2	4	8	-
11.	Goat rearing	Disease management and vaccination schedule in goats	09 to 11.02.2022	42	01	43	2	6	12	-
12.	Dairy management	Dairy farming	03 to 05.01.2022	41	04	45	1	2	2	-

*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	

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	07	415	100	515	81	62	143	496	162	658
Commercial production of vegetables	05	206	104	310	59	45	104	265	149	414
Production and value addition	-	-	-							
Fruit Plants	02	87	57	144	19	34	53	106	91	197

Ornamental plants	-	-	-	-	-	-	-	-	-	-
Spices crops	-	-	-	-	-	-	-	-	-	-
Soil health and fertility management	05	223	109	332	62	46	108	285	155	440
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Methods of protective cultivation	-	-	-	-	-	-	-	-	-	-
Other (Mushroom Production)	01	163	25	188	57	09	66	220	34	254
Total	20	1094	395	1489	278	196	474	1372	591	19863
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Processing and value addition	01	76	14	90	28	08	36	104	22	126
Other										
Total	01	76	14	90	28	08	36	104	22	126
Farm machinery	-	-	-	-	-	-	-	-	-	-
Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Livestock production and management	05	96	41	137	49	19	68	181	60	241
Animal Nutrition Management	02	101	34	135	48	20	68	149	54	203
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
Fisheries Management	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Total	07	197	75	272	97	39	136	330	114	444
Home Science										
Household nutritional security	01	52	21	73	28	20	48	80	41	121
Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Total	01	52	21	73	28	20	48	80	41	121
Agricultural Extension										
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	=-	-
Total										
Grant Total	29	1419	505	1924	431	263	694	1850	768	2618

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	08	229	106	335	7	05	01	06	234	107	341
KisanMela	02	963	351	1314	-	121	89	210	1084	440	1524
Kisan Chaupal	01	07	22	29	04	-	02	02	07	24	31
KisanGhosthi	06	72	23	95	08	11	04	15	83	27	110
Farmers Seminar	02	Mass benefitted									
Workshop	02	Mass benefitted									
Group meetings	02	95	55	150	11	04	02	06	99	57	156
Lectures delivered as resource persons	105	Mass benefitted									
Scientific visit to farmers field	108	327	82	409	10	04	-	04	331	82	413
Farmers visit to KVK	50	1130	220	1350	11	20	5	-	1150	225	1375
Diagnostic visits	31	-	-	-	-	-	-	-	-	-	-
Exposure visits	04	206	55	261	-	-	-	-	206	55	261
Soil health Camp	01	151	58	209	-	11	04	15	162	62	224
Animal Health Camp	02	70	15	85	14	04	01	05	75	16	91
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	
Celebration of important days (specify) 15th aug, 26th Jan, 2020	03	60	25	85	-	05	02	07	75	27	102
Any Other Poshan Mela	-	-	-	-	-	-	-	-	-	-	-
Total	**327**	**3310**	**1012**	**4322**	**-**	**185**	**110**	**295**	**3495**	**1122**	**4617**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	108
Radio talks	03
TV talks	00
Popular articles	07
Extension Literature	04
Other, if any	00

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.,22)	01	11	04	11	-	-	-	-	11	04	15
International Women's Day (8th Mar.,22)	01	04	69	73	5	-	02	02	04	69	73
Krishi Samman nidhi	01	27	25	52	60	-	-	-	27	25	52
Dalhan divas	01	44	02	46	8	-	-	-	44	02	46
Kisano ki bhagidari prathmikta hmari	01	116	187	303	49						
Grib Kalyan Sammelan	01	13	22	35					13	22	35
International Yoga Day (21st Jun.,22)	01	14	11	25	-	-	-	-	14	11	25
ICAR Foundation Day (16 Jul.,22)	01	110	95	205	30	-	-	-	110	95	205
Poshan vatika mahaabhiyaan ebam Vriksharopan karykarm	01	26	79	105	15	03	-	03	26	79	105
Pradhanmantri kisan sammelan 22	01	150	165	315	10	-	-	-	150	165	315
Independence Day (15th Aug.22)	01	14	05	19	-	-	-	-	14	05	19
Parthenium Awareness Week (16th to 22nd Aug.,22)	04	84	62	146	-	05	01	06	89	63	152
Hindi Diwas (14th Sep.,22)	-	-	-	-	-	-	-	-	-	--	-
Gandhi Jayanti (2nd Oct.,22)	01	18	08	26	-	02	-	02	20	08	28
Mahila Kisan Diwas (15th Oct.,22)	01	21	08	29	4	-	-	-	21	08	29
World Food Day (16th Oct.,22)	01	-	20	20	40	02	-	02	02	20	22
Vigilance Awareness Week (27th Oct. to 2nd Nov.,22)	03	38	17	55	-	-	-	-	38	17	55
National Constitution Day (26th Nov.,22)	-	-	-	-	-	-	-	-	-	-	--
World Soil Day (5th Dec.,22)	01	-	50	50	28	-	-	-	-	50	50
Kisan Diwas (23rd Dec.,22)	01	50	58	108	17	-	-	-	50	58	108

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	lkz/kkuea=h fdlku lEeku fuf/k	Hon'ble PM	52	07	-	59
2	26.04.2022	fdlkuksa dh Hkkxhnkjh izkFkfedrk gekjh	Hon'ble AM	303	19	-	322
3	31.05.2022	Xkjhc dY;k.k lEesyu	Hon'ble PM	35	07	-	42

4	16.07.2022	94 okW LFkkiuk fnol ¼vkbZ-lh-,-vkj- ubZ fnYYkh½	Hon'ble PM	205	13	-	218
5	17.09.2022	iks"k.k okfVdk egkfHk;ku ,oa o`{kkjksi.k dk;Zdze	Hon'ble PM	105	10	-	115
6	17.10.2022	iz/kkuea=h fdlku lEesyu	Hon'ble PM	315	13	-	328
7	23.12.2022	jk"Vªh; fdlku fnol	Hon'ble PM	108	09	-	117

3.5.a. Production and supply of Technological products

Village seed

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
Paddy	Sabour Sampann	35	120000	-	-	10	10
	Sabour sree	25	100000	-	-	10	10
	R. Sweta	120	450000	-	-	50	50
	Sabour Harshit	60	200000	-	-	05	05
Wheat	Sabour Smridhi	120	500000	-	-	50	50
Gram	GNG-2299	05	50000	-	-	10	10
Lentil	HUL-57	8.0	80,000	-	-	10	10

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Tomato	Kashi vishesh	110000	-	08	-	55	63
Brinjal	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-

Others (Drumstick)	PKM-1	530	-	27	-	173	220
Fruits	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-
Lime	-	-	-	-	-	-	-
Papaya	Red baby	610	-	02	-	08	10
Banana	-	-	-	-	-	-	-
Others (Oyster Mushroom)	-	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	
Spices	-	-	-	-	-	-	-
Turmeric	-	-	-	-	-	-	-
Tuber	-	-	-	-	-	-	-
Elephant yams	-	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-	-
Others, pl.specify	-	-	-	-	-	-	-
Total	-						

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers (Vermicompost						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Oyster mushroom spawn	200	20,000	35	-	62	97
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							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							

Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:NA

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2019)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019-20 (Dec 2019)				
2020-21 (Dec 2020)				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	-	-	-	-
Seminar/conference/ symposia papers	-	-	-	-
Books	Jaivik Kheti Ke Badhte Kadam Pual se Nawachar prabandhan	1.Dr. Jyoti Sinha 2.Dr. Umesh Narayan Umesh And 3.Kumari Vibha Rani Dr. U.N. Umesh & Dr. Brajendu Kumar	01 01	-
Bulletins	-	-	-	-
News letter				
Popular Articles				
Book Chapter	Poshan vatika ke laagat and ruprekha, in book Poshan vatika-Krisi vigyan Kendra, Barh, Patna ISBN- 978-93-5419-742-0, P.P-86-91	Sharda Kumari, M.Verma, Jyoti Sinha and Kumari Vibha Rani	01	Mass Benefitted
Extension	1.Swashthya Jiwan		-	

Pamphlets/ literature	ke liye poshan vatika Mushroom Ka prasankaran ewm mul wardhit utpad Dhingri Mushroom ki Vagyanik Kheti Krishak Sandesh (Monthly magazine)	1.Dr Jyoti sinha, 2. Vibha Rani 1.Dr. Jyoti Sinha 2. Dr. Brajendu Kumar 1.Dr. Jyoti Sinha 2. Dr. Brajendu Kumar 1.Dr. Jyoti Sinha 2.Dr. Umesh Narayan Umesh And 3.Kumari Vibha Rani 4. Dr. Sanjeev Ranjan 5. Kumari Punam Pallavi		Mass circulated
Technical reports	Annual Report 2020 Action Plan 21-22 Extension council report Half yearly Midterm report Report of KVK activities	All Scientist, Prog. Asst (Lab tech.) Prog. Asst (Computer)		
Electronic Publication (CD/DVD etc)	-	-	-	-
TOTAL				

(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.	Seminar	Converging Agribusiness acumen for profitability and sustainability through Agripreneurs and Agri Start-ups (CAGSAS-2022)	Dr. Jyoti Sinha, SMS (H Sci.)	25 to 26 Nov.2022	BAU, Sabour, Bhagalpur, Bihar
2.	Workshop	Fostering One Healthfor food safety and security through Animal Husbandry and Aquaculture Practices	Dr. Sanjeev Ranjan, SMS (Vet. Sci.)	10 to 11 Nov. 2022	Society of Promotion farm andCompanion Animal&BASU
3.	Training cum Workshop	Capacity Development Training on Modern Rice Production Tech. and Climate Smart Agriculture	Dr. U. N. Umesh, SMS (Soil Sci.)	02 to 05 March 2022	IRRI-SARC, Varansi (U.P)
4.	Training cum Workshop	Capacity Development Training on Modern Rice Production Tech. and Climate Smart Agriculture	Dr. Brajendu Kumar, Senior Scientist and Head	20 to 22 April 2022	IRRI-SARC,, Varansi (U.P)

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

8.1. Organic farming of vegetables & Mushroom
Thematic area: Organic farming
Smt. Sarita sinha
Village + Post: Kharuara
Block: Harnaut
District: Nalanda
Mobile NO: 9262205663

Introduction

Smt. Sarita Sinha is a housewife and belongs to a poor family. She is educated up to Matric class. She belongs to poor family and has three children. She was doing traditional farming in 1 acre of her land which earned her very less income. As her financial condition was very poor she was facing great difficulty in maintaining her family. After coming in contact with KVK Nalanda she got knowledge on scientific cultivation of cereals and pulses, mushroom and organic farming of vegetables. After adopting these technologies she is now earning more than 2.0 lacs per annum from her small piece of land.

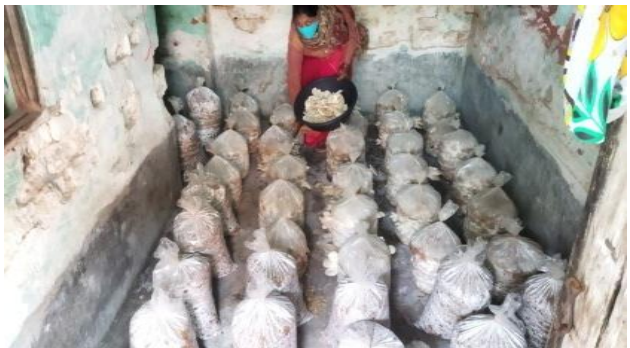
Resources possessed

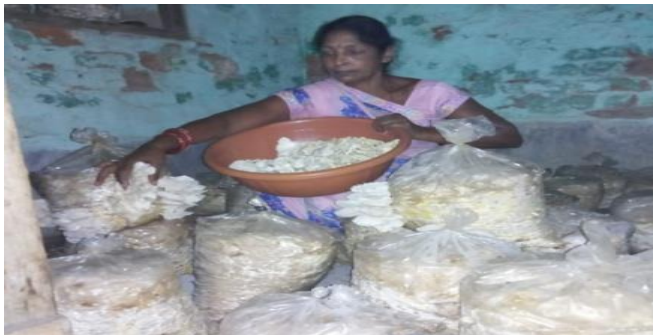
Technology and innovation adopted

She is cultivating vegetables and mushroom since 2018. Previously she was using formalin and carbendazime for the treatment of straw for growing mushroom and using chemical fertilizers, insecticide and pesticides for cultivating vegetables. After getting knowledge about organic farming she is doing hot water treatment and alternatively using waste decomposer for treating straw for oyster mushroom cultivation on large scale. She is using organic manures, bio fertilizers, neem based pesticides for cultivating vegetables due to which she is now getting quality produce with higher shelf life. This is fetching her better price in the market

Achievements and Result

Component Description		**Period 2021-22**			**Period 2020-21**			**Period 2019-20**		
Components	**Names**	**Area (Acre)/ No**	**Production (Q/Liter/ No.)**	**Net Income (Rs.)**	**Area (Acre)/ No**	**Production (Q/Liter/ No.)**	**Net Income (Rs.)**	**Area (Acre)/ No**	**Production (Q/Liter/ No.)**	**Net Income (Rs.)**
Field Crop 1	Paddy	0.5	8	8400	0.5	6.5	5500	0.5	5	4400
Field Crop 2	Wheat	0.5	6	5300	0.5	5	4600	0.5	4.5	3800
Hort. Crop 1	Potato	0.25	32.5	30000	0.25	25	22000	0.25	18	17000
Hort. Crop 2	Brinjal	0.25	30	22000	0.25	22	17200	0.25	16	13600
Other enterpris	Mushroom	250	2.5	25000	200	02	150000	50	0.5	180000
Total				90700		49	199300		44	210600





Fish Based IFS Model Developed

Name of the farmer	Components
1.Sri Kavindra Kumar MauryaVill-Charuipar, Noorsarai	Fish culture+Dairy+ Horticulture
2. Sri Rajesh Kumar Singh, Gokhulpur, Harnaut	Fish culture+Dairy+Poultry + Horticulture
3. Brajesh Patel, Vill- Katari , Rajgir	Fish culture + Dairy+Poultry + Horticulture
4. Rinku devi, Vill- Mirzapur, Parwalpur	Fish culture+Poultry+Goatary+Mushroom
5. Sanjay Kumar, Vill- Anantpur, Chandi	Fish culture+Dairy+Bee keeping+Poultry
6. Satyendra Kumar Vill- Charuipar, Noorsarai	Fish culture+Dairy +Mushroom+Verm.Com
7. Anil kumar, Vill- Rajanvigha, Asthawan	Fish culture+Poultry+Mushroom
8. Binod Kumar, Vill- Sarmera	Fish culture+Dairy+Vermicompost+Hort.
9. Sarmendra singh Vill- Yaswantpur , Chandi	Fish culture+Dairy+Hort.+Duckery
10.Surendra Ram, Vill-Deepnager, Biharsharif	Fish culture+ Dairy+Verm.+Bee K.+ Hort.
11. Abdul Gaffar, Vill-Java, Asthawan	Fish culture+Mushroom+ Bee K.+Nursery
12.Nawal Kishore Singh, Vill-Dariyapur, Noorsarai	Fish culture+ Dairy
13. Chandra Kumar Shekhar, Sebdah,Harnaut	Fish culture + Dairy+Poultry + Horticulture
14. Uttam Kumar, Village – Sabnahua, Block - Harnaut	Fish culture + Duck+Poultry + Goat

Economics of IFS Models

1. Sri Kavindra Kumar Maurya,Vill-Charuipar, Noorsarai (Mob- 9939094713)			
Components	**Fish culture**	**Horticulture**	**Dairy**

Area	4 acre 9 ponds	0.5 acre, Litchi – 8 trees, Mango – 15 trees, Guava-15 trees, Papaya-2 trees, Banana-50 trees	3 cows (100 sq feet)
Mandays	182	91	100
Production	8 tonnes	-	10000 l milk
Cost of production	Seed-100000.00 Feed-500000.00 Fertilizers- 80000.00 Others-50000.00 Total-730000.00	21000.00	2.0 lakh
Gross income	1200000.00	38000.00	400000.00
Net income	470000.00	17000.00	200000.00

2. Sri Rajesh Kumar Singh,Vill- Gokulpur, Harnaut, Mob No-: 9279355770

Components	**Fish culture**	**Dairy**	**Poultry**	**Horticulture**
Area	0.5 Acre (1 pond)	0.006 Acre (1 cow)	0.25 Acre (600 sq feet)	0.22 Acre (500 horticultural trees)
Mandays .	137	137	137	137
Production	1000 Kg	2400 litre	4500 Kg	100 q banana, 100 q papaya
Cost of production	Seed-12000.00 Feed-25000.00 Labour- -20000.00 Total-57000.00	52000.00	400000.00	20000.00
Gross income	125000.00	100000.00	500000.00	60000.00
Net income	68000.00	48000.00	100000.00	40000.00

3. Mrs. Rinku Devi, Parwalpur, Vill-Mirzapr, Noorsarai (Mob- 9771568293)

Components	**Fish culture**	**Goatary**	**Poultry**	**Mushroom production**
Area	1 Acre (1 no)	1 Acre (46 nos)	700 sq feet (0.017 acre) 300 broiler + 70 desi	300 sq feet (0.006 Acre)
Man days involved	96	94		90
Production	4000 Kg	450 Kg	7200 Kg	1680 Kg
Cost of production	Seed-51000.00 Feed-210000.00 Fertilizers- 32000.00 Labour-19200.00 Total-312200.00	112500	720000.00	90000.00
Gross income	600000.00	250000.00	964000.00	1680000.00

Net income	287800.00	112000.00	244000.00	78000.00

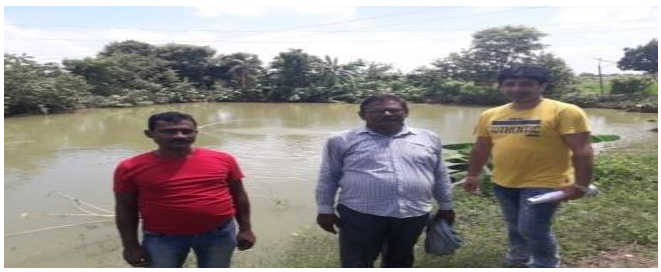
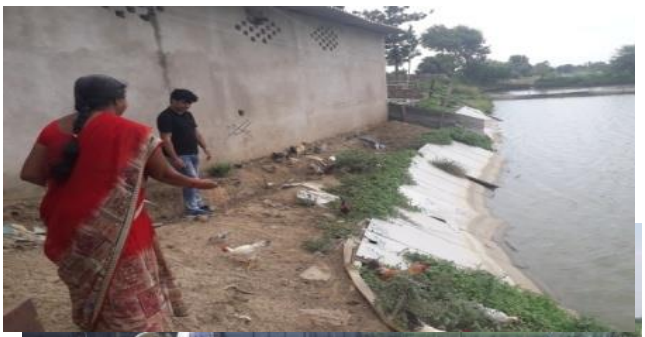
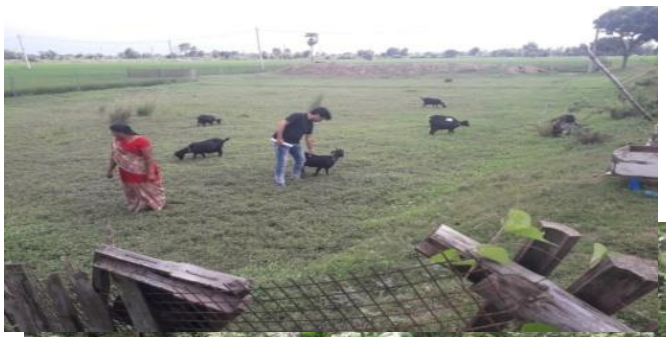
4. Sri Chandrakumar Shekhar, Harnaut (Mob- 8544302616)				
Components	**Fish culture**	**Dairy**	**Poultry**	**Horticulture**
Area	1.25 Acre (5 ponds)	0.01 Acre (1 cow)	0.002 Acre (30 desi)	1.87 Acre (> 1000 trees)
Mandays involved/Value in Rs.	228	91	-	-
Production	1200 Kg	2400 litre	100 Kg	-
Cost of production	Seed-10000.00 Feed-120000.00 Fertilizers-20000.00 Total-150000.00	52000.00	5000.00	-
Gross income	255000.00	96000.00	20000.00	-
Net income	105000.00	44000.00	15000.00	-

5. Sri Anil Kumar Sinha, Rajanbigha, Harnaut (Mob-7549910384)			
Components	**Fish culture**	**Poultry**	**Mushroom**
Area	0.4 Acre (1 pond)	0.06 Acre (300 boiler)	0.045 Acre
Mandays involved	182	137	137
Production	800 Kg	300×1.5 Kg×9 cycles = 4050 Kg	600 kg mushroom
Cost of production	Seed-14000.00 Feed-50000.00 Total-64000.00	320000.00	45000.00
Gross income	120000.00	450000.00	90000.00
Net income	56000.00	130000.00	55000.00

6. Uttam Kumar, Village – Sabnahua, Block: - Harnaut (Mob – 9199453185)				
Components	Duck	Poultry	Goat	Fish culture
Area	400 (Khaki Campbell)	Sonali- 300 Kadaknath-200 RIR-100 Boliler-500	17 (Black Bengal & Cross breed)	0.15 acre (1pond)

Mandays involved	60	185	125	60
Production	2000 eggs	1000×1.2Kg = 1200 Kg	200 Kg	80 Kg
Cost of production	140000	80000	35000	19000
Gross income	205000	300000	80000	34000
Net income	65000	180000	45000	15000

7. Sri Anil Kumar Sinha, Rajanbigha, Harnaut (Mob-7549910384)		
Components	**Fish culture**	**Cattle**
Area	3 Acre (3 nos)	400 sq feet (0.009 Acre) Cow (2 nos)
Mandays involved	365	100
Production	5000 Kg	7200 litre
Cost of production	Seed-20000.00 Feed-410000.00 Fertilizers-- 20000.00 Labour--73000.00 Other – 15000.00 Total-538000.00	108000.00
Gross income	750000.00	200000.00
Net income	212000.00	92000.00

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

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
i.	Cucurbitaceous crop	For fruit fly control spray with 1 litre tari mixed with 250 gm jaggery	To reduce the population of fruit fly
ii.	Paddy	For Gandhi bug control, make a mixture of 1 kg garlic with 200 gm tobacco stems in 10 litre water. This mixture is crushed and boiled and then strained and mixed with 100 lit water and 100 gm Teepol. This solution is was ready to spray for gandhi bug control.	Acts as anti feedent
iii.	Brinjal, Cauliflower, Okra, tobacco	5 kg Neem/ Karanj seeds crushed and dissolved in 10 litre water, keep it for whole night or 6 hrs. The solution is dissolved, filtered and mixded with 90 litre water and 100 gm Tepol. Spraying of solution is good against sucking pests and Lepidoptera insects.	To reduce the population of Lepidoptera insect by antifeedents
iv.	All field crops	Roast the stem of Akwan and keep it in the hole of rat. This is useful for rat control.	Rat control
v.	Mango	Banding the tree with 400 gauze polythene can controls scale insect, mealy bug and Mango hopper.	Controls mango mealy bug by checking the upward movement
vi.	Paddy	Crush the slugs and crabs and put it in a bag. Hang these bags for 3 to 4 days. This will rot and gandhi bugs are attracted towards this material and trapped.	Reduces population of Gandhi bug

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)
1/.	Brinjal, Tomato, Onion, Potato	7200	192 q/ha	2912	Y

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
1.	Participatory Rural Appraisal (PRA)	Implementation of training priorities

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

Sl. No	Name of the Equipment	`Qty.
1	Physical Balance	01
2	Chemical Balance	01
3	Conductivity Metter	01
4	Digital PH Metter	01
5	Spectro Photo meter	01
6	Plane photo meter	01
7	Hot plate	01
8	Hot air oven	01
9	Shaker	01
10	Grander	01
11	Kjeldahl Distillation system	01
12	Polythine ware	01
13	Glass wave	01
14	Chemicals	01
15	Water distillation assembly	01
16	Mridaparikshak with solar system	01
17	PUSA STFR	01
18	Spectrophotometer	01
19	Calorimeter	01

3.11. b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
Nil	1029	1029	1029	196	109965.00

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				
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	01	50	-	-	50	50

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	Visit by the officials
03	02	1200	1815	42

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)

No of student trained	No of days stayed
20	90 days

ARS trainees trained	No of days stayed
Nil	

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
	Dr. Arun Kumar, Vice Chancellor, BAU, Sabour, Bhagalpur	KVK Monitoring
26-04-2022	Sri Kaushlendra Kumar, MP, Nalanda	As a Chief Guest Kisan Mela, Azadi ka amrit mahotsav
03-12-2022	Dr. R.K.Sohane D.E.E., BAU, Sabour, Bhagalpur	To See the activities of KVK
16-9-2022	Dr.R.N.Singh,ADEE , BAU, Sabour, Bhagalpur	To See the activities of KVK Participation in SAC Meeting
26-04-2022 05-12-2022	Sri Harinarayan Singh, Mukhiya, ATMA Adyaksh ,Paakad Panchayt, harnaut	As a Chief Guest Kisan Mela, Azadi ka amrit mahotsav
16-9-2022	Dr.Amrendra kumar,Chief Scientist ,ATARI(Patna)	To See the activities of KVK Participation in SAC Meeting
16-9-2022	Sri Sanjay Kumar,DAO,Nalanda	
08-03-2023	SmtPushpa Kumari,Mukhiya,Goripur,	Participation in International Women's day

	Nagarnausa	To See the activity of KVK
08-03-2023	Smt Usha devi,Mukhiya,Lohra, Harnaut	Participation in International Women's day To See the activity of KVK

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)
Diversification of cropping system	715	38	2000	12,200
Adoption of scented paddy in place of general paddy	588	31.2	5000	12,420
Direct sowing of paddy in place of traditional method	1625	29.5	5000	13,250
Use of low cost inputs as bio fertilizer & IPM	2020	36.2	4000	13,900
Balanced use of fertilizer as per soil testing report	2750	32.0	4000	13,650
Mushroom production technique	4150	44.2	1200	4,200
Use of combine harvestor	1580	44.5	7000	13,800
Technique of seed production of major crops	762	33.2	4000	13,750
Adoption of preservation Technique	1280	39.5	2000	7950
Bee Keeping	895	29.0	4500	12,900
Dairy Farming	710	37.5	3000	20,250
Natural farming Technique	18	8.0	4500	6,200
Nutri-garden	60	12.0	800	1350

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 Rhizobium culture @ 2.0kg as seed treatment in chickpea	Chandi, Nagarnausa, Harnaut & Bind about 2000 ha in pulse crop
Use of boron and zinc along with NPK in brinjal and tomato	Vegetable growing area of Nagarnausa block (about 250-300ha)
Wheat Var. HD-2985 under late sown condition	Harnaut, Chandi, Silao, Nagarnausa, Biharsharif about 1500 ha in the district
Stress tolerant variety of paddy Sabour Ardhjal	Silao, Giriyak, Harnaut, Parwalpur about 1200 ha covered.
Use of pretilachlor 50EC @ 1.5lit/ha within 2-3	Farmers of Harnaut, Silao, Biharsharif,

DAT + 1 HW at 30-35 DAT in controlling weeds in paddy	Karaiparsurai, Bind Sarmera etc. have adopted the technology
Use of dewormer in dairy animals	Almost 50% farmers in demonstrated villages have adopted the technology
Application of Azadiractin 1500 ppm @ 4 to 5 ml/litre of water + bird purcher + pheromon trape for suppressing the pod borer population in chickpea	Harnaut, Chandi, Nagarnausa and Bind
Dehydration of oyster mushroom and potato to make powder, flour and value added Products.	1250 families of Sarilchak, Srichanpur, Madhopur,Harnaut, Nehusa, Mudhari, Barah, Mahathwar and Bind village are engaged in mushroom processing and value addition
Use of Dehydrated Mushroom Flour at 15 % and 20 % and fresh mushroom in local food	Inclusion of mushroom in children meal at aganwadi with take home rasans
Mulching of turmeric R. Sonia	Farmers of Imamganj, Harnaut, Biharsharif adopted the technology in 50 ha of area.
Introduction of Zinc fortified wheat-vai. BHU-25 and BHU-31	In nutri-smart villages Barah, Sartha, Mahthwar, Sherpur and Mudhari.

Give information in the same format as in case studies

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

Sl. 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 Pest Management
Name of the Innovation	Rat Control
Details of Innovator	Mr. Gautam Kumar,Vill- Mokimpur,Block –Chandi,Nalanda
Back ground of innovation	Indigenous method of rat control.
Technology details	Roast the stem of Akwan and keep it in the hole of rat. This is useful for rat control.
Practical utility of innovation	Cheaper and free from chemical hazards.

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Off Season cultivation of high value crops
Name & complete address of the entrepreneur	Sri Anuj Kumar, Vill. – Ramchak, Nagarnausa, Nalanda Mob. No.- 8969795796
Role of KVK with quantitative data support	Technical guidance in adopting low tunnel technology, cultivation of strawberry, musk melon, watermelon the farmer in getting subsidy on mulching and cultivation of strawberry from line department.

<table>
<tr><td>Timeline of the entrepreneurship development</td><td>In the initial years he was doing traditional farming of paddy, wheat, lentil from which he was getting very less income form 1.75 hectare of land. After getting training and technical support from KVK he shifted to cultivation of strawberry, muskmelon, tomato, watermelon etc. In year 2019-20 he earned Rs. Four Lacs Eighteen Thousand which has increased to Rs. Ten Lacs Seventy Thousand in the year 2022-23 due to which he is now leading a respectable life.</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>Strawberry cultivation on mulching with drip irrigation system, cultivation of muskmelon inside the low tunnel for getting early crop. Cultivation of tomato on mulching in open field.</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>Before adoption of latest technology he was earning about 1 to 1.5 lacs from 1.75 hectare area. After adoption of cultivation of high value crop and use of latest technologies like mulching, low tunnel, use of drip irrigation system, application of biofertilizers like Rhizobacteria, Trichoderma PSB etc he is now getting around Rs. 10 lacs to 11 lacs.</td></tr>
<tr><td>Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):</td><td>
<table>
<tr><th>Sl. No.</th><th>Crop</th><th>Variety</th><th>Area (ha)</th><th>System</th><th>Production</th><th>Income (Rs.)</th><th>Expenditure (Rs.)</th><th>Net Profit (Rs.)</th></tr>
<tr><td>1</td><td>Paddy</td><td>Super moti</td><td>1.75</td><td>Open</td><td>84q</td><td>155400</td><td>65000</td><td>90400</td></tr>
<tr><td>2</td><td>Wheat</td><td>HD-2967</td><td>0.25</td><td>Open</td><td>12.5q</td><td>25187</td><td>8500</td><td>16687</td></tr>
<tr><td>3</td><td>Lentil</td><td>HUL-57</td><td>0.25</td><td>Open</td><td>3.5q</td><td>19000</td><td>5500</td><td>13500</td></tr>
<tr><td>4</td><td>Strawberry</td><td>Camaroja</td><td>0.75</td><td>Mulching</td><td>141 q</td><td>1410000</td><td>530000</td><td>880000</td></tr>
<tr><td>5</td><td>Musk melon</td><td>Hara Madhu</td><td>0.25</td><td>Low Tunnel</td><td>39 q</td><td>46800</td><td>13000</td><td>33800</td></tr>
<tr><td>6</td><td>Tomato</td><td>Kashi Vishesh</td><td>0.25</td><td>Mulching</td><td>51q</td><td>51000</td><td>8000</td><td>43000</td></tr>
<tr><td></td><td colspan="7">Total net income</td><td>1077387</td></tr>
</table>
</td></tr>
<tr><td>Horizontal spread of enterprise</td><td>After success of Mr. Anuj Kumar in cultivation of high value crop. The farmers of nearby villages are influenced and motivated to see the enterprise of Mr Anuj Kumar. Around 40 to 50 farmers of his village and nearby villages have adopted mulching and drip irrigation in vegetable cultivation and some of them also started strawberry cultivation.</td></tr>
</table>

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Line Departments	Trainings, Joint participation in different district level programmes, conducting Kisan choupal and others
2. CIMMYT	Project on sustainable increase in productivity of paddy and wheat
1. ICDS, Patna	Sanctioning project on mushroom based nutrition

2. Fertilizer Agencies IFFCO, KRIBHCO, INDOGULF	Trainings and Demonstrations
3. Agriculture Research Institute, Patna	On Station test and Technical support
4. IARI, Pusa	Demonstration on Cereal oilseeds and Pulses
5. ICAR – RCER, Patna	Technical support in different awareness programmes.
6. BASU - Patna	Technological input support in FLDs and OFTs.
7. Directorate of Maize, New Delhi	Technological input support in Demonstration on Maize
8. IIPR, Kanpur	Technological input support in Demonstration on Pulses
9. Swaraj Sangh, Parwalpur, Nalanda	Conducting trainings
10. Kasturba Gramin Vikash Kendra, Chandi, Nalanda	Trainings of female farmers
11. NABARD, Nalanda	Training to the self help group of the farmers
12. CIAE Bhopal (M.P.)	Improved Agricultural Machinery Training and Demonstration
13. Nav Jeevan Social Centre, Harnaut	Trainings of rural farmers
14. ATMA, Nalanda	Trainings and Demonstrations
15. NHB	Trainings and demonstrations on farm machinery
16. NHM	Vegetable Seed and Nursery plants Production
17. Nalanda College of Hort., Noorsarai	Trainings and Demonstrations
18. Jeevika, Nalanda	Trainings and Demonstrations
19. OXFAM India, Bihar	Trainings and Field Visits
20. NIAM., Jaipur	Training on Nationalised Marketing platform
21. BSDM, Bihar	Skill Development Training
22. Khistiz Agro. Tech., Nehusa	Training and supplier of Bio agent

5.2. List of special programmes undertaken during 2022 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Climate Resilient Agriculture Programme	Establishment of biochar unit for crop residue management	2022	Govt of Bihar	100,000=00
Climate Resilient Agriculture Programme	To develop bio fertilizer Azolla unit	2022	CRA- Govt of Bihar	45,000=00
NICRA	To develop low cost poultry unit	2022	NICRA, ICAR	60,000=00

Strengthening of KVK	To strengthening different demo units	2022	ATMA, Nalanda	75,000=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.)
Training	Bee Keeper		BSDM	4,29,314=00
	Gardener		BSDM	
	Bee Keeper RPL		BSDM	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom unit	2019	200 sq ft.	-	-	01	30,000	Rs. 4000/season	
2.	Bee Keeping unit		05 unit	-	-	01	30,000	Rs. 1000/box	
3.	Vermicompost unit		06 Pit	-	-	02	28,000	Rs. 5000	
4.	Polyshednet unit		200sq meter	-	-	01	145000	Started	
5	Azola		25.96 m2			1	40000	Started	
6	Nutri Garden		502 m2			1	5000	1000	
7	Bio Char Unit					1	100000	-	
8	Crop Cafeteria		550m^2				1000	2000	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	15/12/21	20/04/22	6.0	Sabour smridhi	F/S	120	2Lakh	5Lakh	
Gram	12/12/21	20/03/22	1.0	GNG-2299	F/S	05	25,000	0.5 Lakh	
Lentil	12/12/21	25/03/22	1.0	HUL-57	F/S	08	25,000	0.8 lakh	
Paddy	06/07/22	17/11/22	1.0	Sabour Sampan	F/S	35	25,000	1.2Lakh	

				n					
Paddy	10/07/22	17/11/22	3.5	Sabour sree	F/S	25	25,000	1Lakh	
Paddy	15/07/22	17/11/22	4.0	R. Sweta	F/S	120	200000	4.5lakh	
Paddy	01/08/22	09/11/22	2.0	Sabour Harshit	F/S	60	100000	2 lakh	
Arhar	22/06/22	Crop is standing	2.0	IPA-203	-	-	-	-	

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

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

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.							

6.5 Utilization of hostel facilities (For Whole of the year)

Accommodation available (No. of beds)

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

6.6 Utilization of staff quarters

Whether staff quarters has been completed:
No. of staff quarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
	Staff quarter is in dilapidated condition.					

7 FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK MAIN A/C	PNB	BHAGANBIGHA	208400200000276

REV. FUND A/C	Central Bank of India	HARNAUT	1974281826

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

Item	Released by ICAR		Expenditure		Unspent balance as on -31/12/2022
	Kharif	Rabi	Kharif	Rabi	
Mustard		43200.00		60,600	

* The amount has been sanctioned by ICAR but the fund is yet to be received.

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

Item	Released by ICAR		Expenditure		Unspent balance 31.12.2022
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea	171600.00		438970.00		
Chickpea					
Lentil					
Green Gram					

7.4. Utilization of KVK funds during the year 31-12-2022 (Not audited) (in rs.)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,53,39,699	1,53,39,699	1,08,04,205
2	Traveling allowances	1,00,000		1,00,000
3	Contingencies			
A	POL, Stationary misc. office exp	2,00,000		2,00,000
B	Farmers Training	1,75,000		1,67,804
C	OFT	75,000		59,899
D	FLD	75,000		74,039
E	Maint. Of Building	50,000		50,000
F	Kisan Mela	50,000		25,000
G	HRD	15,000	7,40,000	15,000
H	Swachhta Expenditure			
TOTAL (A)		**1,60,79,699**	**1,60,79,699**	**1,14,95,947**
B. Non-Recurring Contingencies				
1	SCSP (General)	1,25,000	1,25,000	64,563
2	SCSP (Capital)	2,00,000	2,00,000	1,65,000
3				
4				
TOTAL (B)		**3,25,000**	**1,62,000**	**2,29,563**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**1,64,04,699**	**1,64,04,699**	**1,17,25,510**

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)

2019-20	17.04	21.17	11.80	26.42
2020-21	26.42	13.73	17.46	22.69
2021-22 (Upto 31st Dec 2021)	22.69	12.76	7.66	27.79
2022-23	27.79	11.38	8.85	30.12

7.6. (i) Number of SHGs formed by KVKs: **02**
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities **: 0**4
(iii) Details of marketing channels created for the SHGs**: Direct sale to local market.**

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Rabi Mahotsav	21	Rabi	-	-	Both
Kharif Mahotsav	21	Kharif	-	-	Both
Farmers Scientists Interaction	02	Kharif and Rabi	-	-	Both
Workshop on crop residue management	02	Kharif	-	-	Both
Training programme on soil health card	02	Kharif/Rabi	-	-	Both
Farm Mechanization Fair	04	Kharif and Rabi	-	-	Both
Crop cutting programme	04	Kharif and Rabi	-	-	Both

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)

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)

9.1. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	
-	-	-	-	-	-

9.2. PPV & FR Sensitization training Programme

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

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

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

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	-
3.	Mobile Apps developed by KVK	*No*
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5. Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop				
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				

7.	Others				
8.	Total				

9.6. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
02-31 Oct 2022 14 Nov 2022 20 Dec 2022	Swachhata activities were carried out in Loyalla school, Harnaut and the in the villages Sherpur, Mahatvar, Barah. Awareness programme was conducted with RAWE students about health and hygiene.

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	02	
3. Sanitation and SBM	03	
4. Cleaning and beautification of surrounding areas	05	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	02	
6. Used water for agriculture/ horticulture application	01	
7. Swachhta Awareness at local level	06	
8. Swachhta Workshops	01	
9. Swachhta Pledge	03	
10. Display and Banner	06	
11. Foster healthy competition	-	
12. Involvement of print and electronic media	02	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	04	
14.No of Staff members involved in the activities	18	
15.No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)	-	
Total	**53**	

9.7. Observation of National Science day

Date of Observation	Activities undertaken
-	-

9.8. Programme with Seema Suraksha Bal/ BSF

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
Middle School , Jalalpur (Chandi)	07/10/2022	Awareness programme regarding establishment and use of nutritional Garden	Quiz completion, Through leaflets, trainings
Navjiwan Social centre, Harnaut	21/09/2022	Awareness programme on Agri entrepreneurship, Swachhata awareness, Nutrition education	Through leaflets, trainings

Give good quality 1-2 photograph(s)

9.10. Details of '*Pre-Rabi Campaign'* Programme

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

9.11. Details of Swachhta Hi Sewa programme organized

Sl.	Activity	No. of	No. of	No. of VIPs	Name (s) of VIP(s)

No.		villages Involved	Participants		
1.	29	04	165	0	-

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	01	02	29	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.	Sri Rakesh Kumar	Vill- Sohdih,Block-Biharsharif, Mob-**0**9234337444	Organic Farming
2.	Sri Harivanh Prasad	Vill- Premanbigha,Block-Nagarnausa, Mob-09939081544	
3.	Sri Vijaya Prakash	Vill.-Jhanwadih,Block-Noorsarai, Mob-9801846753	
4.	Sri Santosh Kumar	Vill.- Ashanagar,Block- Bihar sarif, Mob-9525946210	
5.	Sri Sanjay Kumar	Vill- Anantpur, Mob-09279145222	Mushroom Production
6.	Mrs. Nirupa Devi	Vill-Sarilchak, block-Silao, Mob-09507640668	
7.	Smt. Rinku Devi	vill-Mirzapur,Block-Perwalpur Mob- 09263262657	
8.	Smt.Manju Devi	Vill-Tajanipur,Block Bind, Mob- 09386423011	
9.	Sri Sanjiv Kumar	Vill-Mahdipur,Block-Bind, Mob-07488019220	
10	Sri Pramod Kumar	Vill.-Dudhichak,Block - Tharthari, Mob-9279515084	
11.	Sri Rajesh Kumar	Vill.- Gokulpur,Block-Harnaut, Mob-9279355770	
12.	Sri Akhilesh Kumar	Vill- Saraiya,Block – Nagarnausa, Mob-9973128916	
13.	Sri Satyendra Narayan Singh	Vill-Ckainpur,block-Chandi, Mob-09931226508	
14.	Sri Surendra Ram	Vill-Deepnagar,Block-Biharsharif, Mob-09835686182	
15.	Sri sunil Kumar	Vill-Mayar,Block Noorsarai, Mob-09931615875	
16.	Sri Surendra Prasad	vill-Sarilchak, Block – Silao,	

		Mob-	
17.	Smt. Anita Kumari	Vill- Anantpur, Block – Chandi, Mob-08521421643	
18.	Smt. Madhu Patel	Vill- Rajgir,Block-Rajgir, Mob-**09**50760668	
19.	Er. Sanjeev Kumar	Vill-Mahdipur,Block-Bind, Mob-07488019220	
20	Smt. Usha Kumari	Vill-Bhojpur ,Block-Kartrisarai, Mob-09472314975	
21.	Sri Brijnanadan Prasad	Vill-Mahdipur,Block-Bind, Mob-07488019220	
22.	Md. Abdul Gaffar	Vill- Birampur, Block-Harnaut, Block-08521148838	
23.	Sri Biresh Kumar	Vill- Jana, Bolck – Aasthawan, Mob-07488216186	
24.	Sri Satyendra Narayan Singh	Vill-Charuiper,Block-Noorsaraim, Mob-9939094713	
25.	Sri Om Prakash Singh	Vill.- Dariapur,Block-Parwalpur, Mob-9939045461	
26.	Md. Abdul Gaffar	Vill.- , Birbalbigha. Block-Ben, Mob-7764906147	
27.	Shri Kavindra Kumar Maurya	vill-Mirzapur,Block-Perwalpur, Mob-09263262657	
28.	Sri Naval Kishore Singh	Vill- Katari, Block – Silao, Mob-9386503818	
29.	Sri Mneshwar Prasad	Vill- Nanda, Block – Silao, Mob-09661293571	
30.	Smt. Rinku Devi	Vill.Damodarpur,Block Nagarnousa,	
31	Sri Brajesh Patel	Vill-Lachhu bigha,Block - Nagarnausa, Mob-9955236710	
32	Sri Mithelesh Kumar	Vill- Chhatiana.Block-Harnaut, Mob-9570919600	
33	Sri Narendra Singh	Vill. Korma,Block Islampur, Mob-9204909350	
34	Sri Gopal krishan	Vill. Mayar,Block Noor sarai, Mob-9931615875	
35	Sri Krishan Mohan	Vill. Hindupur,Block Rajgir, Mob-9905933106	
36	Sri Shiv Kumar Prasad	Vill. Hindupur,Block Rajgir, Mob-9905933106	
37	Sri Sunil Kumar	Vill. Hindupur,Block Rajgir, Mob-9905933106	
38	Sri Manoj Kumar	Vill. Hindupur,Block Rajgir, Mob-9905933106	

39	Sri Samrendra Singh	Vill.-Yashwantpur ,Block – Chandi, Mob-8002876018	
40	Sri Anil Kumar Sinha	Vill.-Rajan Bigha Block – Chandi, Mob-7449910384	
41	Sri Vinod Kumar Singh	Vill.-Sarmera, Block-Sarmera, Mob-9135042941	

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	CRA Programme	19,50,000=00	BISA, Pusa, Samastipur
2.	CRA Programme	20,00,000=00 (For Implement Shed)	BISA, Pusa, Samastipur
3.	Campus Development	75,000=00	ATMA, Nalanda
4.	BSDM & RPL	4,07,139=00	Govt. of Bihar

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	CRAP	Crop residue management through Biochar production	Govt. of Bihar	1,00,000	Production of Biochar unit

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
July, 2010	IMD	Satisfactory

9.17. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2021-22

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	-
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2021 (Rs. In lakh):Nil

c. Achievements of physical outcome under TSP during 2022

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 2022

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

12. Details of SCSP

Sl.	**Activities**	**Physical Achievement**

1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	-	-
b.	Women	2	52
c.	Rural Youths	02	65
d.	Extension Personnel	-	-
2)	OFT	-	-
3)	FLD	-	-
4)	Mobile agro- advisory to farmers	6	48
5)	Other activities		
a.	Participants in extension activities (No.)	03	38
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.)	14	14
g.	Livelihood generation programme		
h.	Drudgery reduction progrramme		

13. Progress report of NICRA KVK (Technology Demonstration component) during the period

(Applicable for KVKs identified under NICRA)

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	
Straw baling	01	-	2.5	-	-	-	-	7	1	7	1	8	

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	
HYV Green Gram and ZT	30.00	8	3	-	-	84	11	92	14	106	
HYV Okra	1.0	6	2	-	-	59	10	65	12	77	
HYV Papaya	0.2	1	-	-	-	10	-	11	-	11	
HYV Radish	0.4	2-		-	-	18	-	20	-	20	
HYV Potato	0.25	1	-	-	-	10	-	11	-	11	
DSR Paddy	34.0	11	01	-	-	82	01	93	02	95	

Mustard	10.0	4	-	-	-	21	01	25	01	26	
ZT Lathyrus	4.0	03	-	-	-	11	01	14	01	15	
ZT Lentil	8.0	03	-	-	-	19	-	22	-	22	
ZT Wheat	16.0	05	-	-	-	36	-	41	-	41	

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	
Feed supplement													
Fodder Grass													

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	
ATMA,Nalanda	1	-										
CRRI,Cuttak												

Capacity building

Thematic area	No of Courses									
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
NRM	4	5	2	-	-	36	18	41	20	61
Dairy Management										

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Field Visit	12	14	8	-	-	49	22	63	30	93
Kisan Gosthi	2	16	3	-	-	144	14	160	17	177

Detailed report should be provided in the circulated Performa

14.a). Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Name of Farmer	Year	Conferring Authority	Amount	Purpose
	-	-	-	-	-	-

14. b) Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
	-	-	-	-	-	-

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No. & date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Junaidi Farmer producer company Ltd.	-	Junaidi/22-05-15	Agriculture	Chilli	518	5 Lac	Value added products
2.	Nagarnausa vegetable producer company Ltd.	-	Nagarnausa	Agriculture	Brinjal, Chilli, Tomato, Bottlegourd	312	2.5 Lac	Organic farming of veg.
3.	Madhopur farmers producer company Ltd	-	Anantpur/ 2016	Mushroom	Mushroom cultivation	500	1.5 cr	Mushroom, spawn, mushroom processed products, honey, end to end support to farmers.
4.	Matashyashay Fisheries Farmer Producer Company Limited		Hilsa, 2022	Aquaculture	Fish	80	3.0 Lac	Live fish

17. Integrated Farming System (IFS)

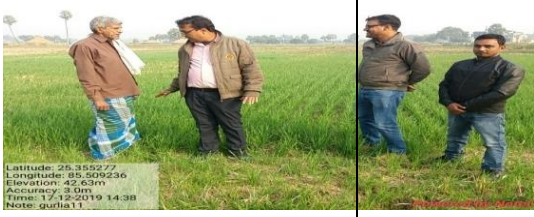
A) Details of KVK Demo. Unit

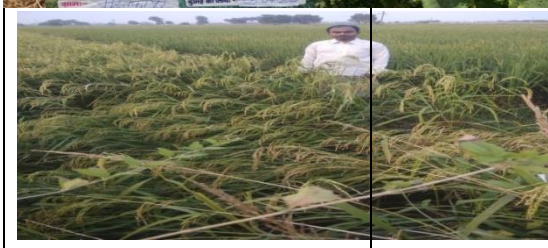
Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Fish culture						

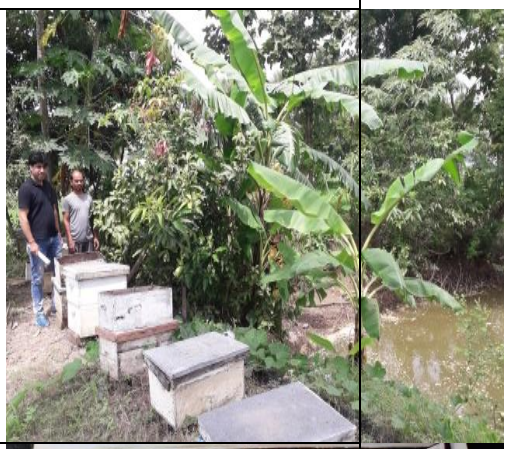
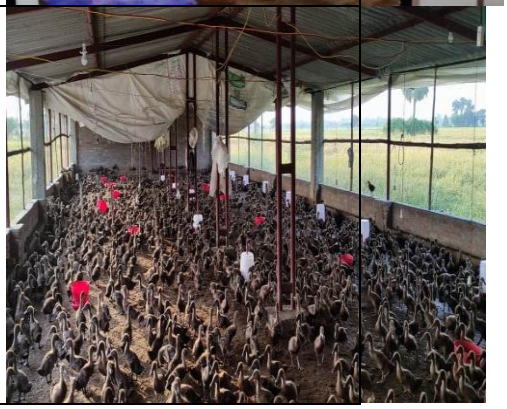
B) Activities under IFS

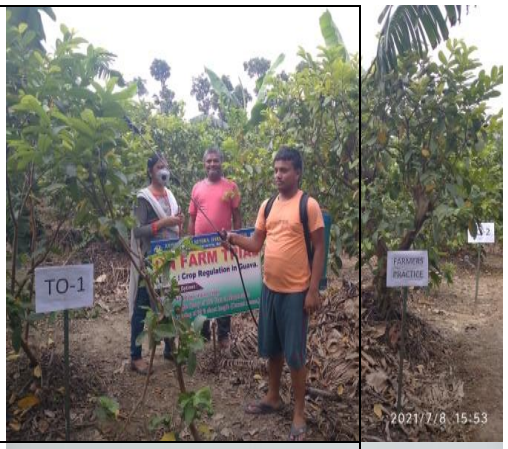
Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								
3.								

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1.	Zero tillage, Crop residue management	Shri Shiv Mohan Prasad of the village Sartha, Harnout, Nalanda was initially used to get annual income of Rs. 396900 from cultivation of paddy, wheat, maize, lentil, chickpea from his 19 acres of land. He faced problems of low productivity of crops and labour. With DFI interventions like farm mechanization and use of improved varieties he now is getting annual income of Rs 844750. In addition, there is cost saving of Rs. 76000 in the production of Paddy, Wheat, Maize, Lentil, Chickpea etc.	111000.00	1500	
2.	Nutrient Management	Mr Biresh Kumar of the village Junaidi, Silao block was earning Rs. 58530 by cultivating paddy, wheat, lentil, pigeon pea, potato etc from his 2 acres of land. With DFI interventions like cultivation of high yielding varieties and nutrient	231000.00	200	

		management etc., he is getting annual income of Rs 184895. In addition, there is cost saving of Rs. 17000 in the production of Paddy, Wheat, Lentil, Pigeon Pea etc.			
3.	Crop Diversification	Mr Surendar Ram of the village Deep Nagar, Block-Biharsharif was cultivating paddy, wheat, potato, vegetables in his 2.5 acres of land and was getting annual income of Rs. 182050.00. By DFI interventions such as use of improved varieties and dairy farming, his annual income has improved upto Rs 363913.00. per annum.. In addition, there is cost saving of Rs. 42000 in the production of Paddy, wheat, potato, vegetable, etc.	363913.00	250	 
4.	Crop residue management	Sri Dinesh Singh of the village Sartha was used to get annual income of Rs. 464922 from his 27 acres of land by cultivating Paddy, Wheat and Lentil and was getting low productivity and consequent low income due to cultivation of long duration and lower productive varieties. With DFI interventions such as improved varieties, use of happy seeder and weed management etc., he is now getting annual income of Rs 12,03470. In addition, there is cost saving of Rs. 80000 from the production of 857 q paddy, wheat, lentil and chekpea.	111500.00	600	
5.	Crop diversification	Mr Manoj Kumar of the village Mustafapur of Block Rahui was used to get annual income of Rs. 215000 from Paddy Wheat Moong Sunflower Vegetable Maze etc. He faced problems like lack of HYVs, weed infestation, labour etc. With DFI interventions like HYV, weed management, etc., he is getting annual income of Rs 405525. In addition, there is cost saving of Rs. **37500** in the production of Paddy Wheat Moong Sunflower Vegetables.	169000.00	25	 

6.	HDP of guava	Mrs Mirdula Devi of the Village Sabnahua was used to get annual income of Rs. 103000 from her 6 acres of land by producing Wheat, Paddy, and Lentil. He was getting low income from less productive crops he was cultivating. With DFI interventions like introduction HYV of crops, Zero tillage technique and high density planting of guava his annual income has enhanced to Rs 406500. In addition, there is cost saving of Rs. 55000 in the production of 423 q Cereals, Pulses and Guava.	169000.00	10	
7.	IFS	Mr Anil Kumar Singh of the village Rajanbigha, Harnaut Nalanda is doing fish based integrated farming in 06 area. Other components of the IFS are poultry, horticulture and beekeeping.	1,94,287.00	24	
8.	Mushroom production	Smt Manju Devi vill. Tajnipur Bind is doing mushroom cultivation in 2.02 ha area. Producing by hot water treatment Spraying $CaCo_3$ solution during hardness of mycelium.	Rs. 3,65,325.00	150	
09..	Duckery	Mr Vicky Kumar of the village Gokhulpur Nalanda is farming duck variety Khaki Campbell in 0.6 ha area of pond Farming 500 ducks and getting 14000 eggs annually.	Rs 2,31,118.00	05	

10.	Orchard	Sri Gautam Kumar of the vill. Mokimpur Nalanda is doing orchard cultivation of guava and vegetables in 1.2 ha area.	Rs. 5,29,000	11	
11..	Vegetable farming	Sri Haribansh prasad of the vill. Preman Bigha Nalanda is doing organic cultivation of vegetables brinjal and tomato in 10 ha area. using vermicompost, waste decomposers, biopesticides.	Rs.2,10,700	22	
12.	Zero tillage cultivation	.	Rs. 71653.00	102	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2021)					
II (up-to					

24.04.2021)					
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 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)

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			4,50,000=00
			M	F	M	F	M	F	M	F	T	

22. Information of NARI Project(if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project
Dr.Jyoti Sinha	01	Ragi based food for supplementary feeding	02	7	47	

Progress Information of NARI Project

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Dwarikabigha, Barah, Rupaspur,Mahatwar	Backyard nutri-garden	60	11280	250
2.	Barah,Rahui,Dwarikabigha, manikpur, Dihrigarh,	Community level (at Aganvadi Centres and school)	11	2750	240
TOTAL			71		490

b. Details of Bio-fortified crops in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries
Mahathwar	Rabi	FLD	05	(Cereals-Wheat)	BHU-31	7.7	05
Baraah			03(Cereals-Wheat)	(Cereals-Wheat)	PBW-1		04
Others			09(Cereals-Wheat)	(Cereals-Wheat)	BHU-25		09

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/veg./fruits/other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Baraah	Ragi	Madua roti,Halwa,Laddoo, Supplementary food Development	training	20
Mahathwar	Mushroom	Mushroom Thekua,khichdi,Kheer,Laddoo	Training	20

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Baraah	Mushroom/Ragi	03	58
Mahthwar	Mushroom	02	38
Dwarikabigha	Value Addition, Nutri Garden	02	32

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Dwarikabigha	Swachhata	01	20
Baraah	Swachhata	01	29
Mahathwar	Poshan Pakhwada	01	36

23. Activities under KSHAMTA

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 and II

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	

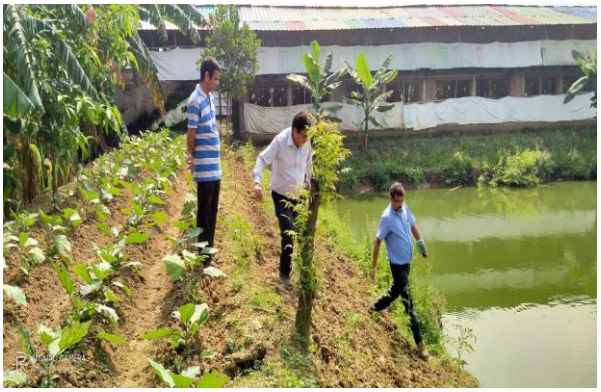
25. ARYA

KVK	**No. of entrepreneurial units established**	**No. of Training programs organized**	**No. of rural youth trained**		**No. of youth established units**	
			Male	**Female**	**Male**	**Female**
-	- -	- -	-	- -	-	-

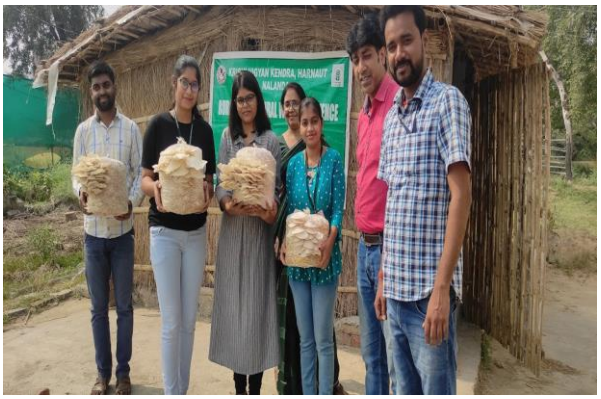
26. Any other programme organized by KVK, not covered above

Sl. No.	**Name of the programme**	**Date of the programme**	**Venue**	**Purpose**	**No. of participants**
1	Climate Resilient Agricultural Programme	20-11-2019	Sartha, Block-Harnaut	Natural resource Management	450
2	Climate Smart Village	18-07-2021	Fifteen villages of Block – Nagarnausa, Chandi,and Noorsarai	Natural resource Management	850
3	Paramparagat krsihi vikash yojna	25-12-2020	Mokimpur, Block-Chandi	Organic farming	32

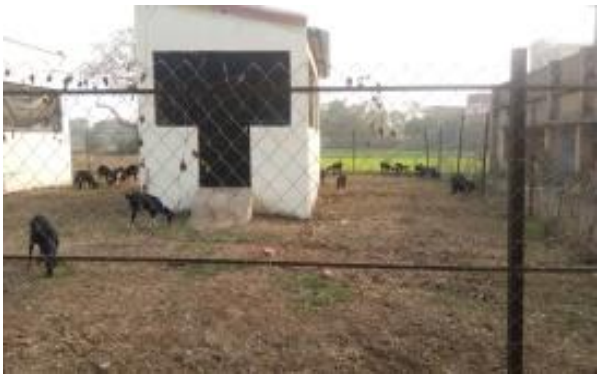
27. Good quality action photographs of overall achievements of KVK during the year 2021 (best 10)

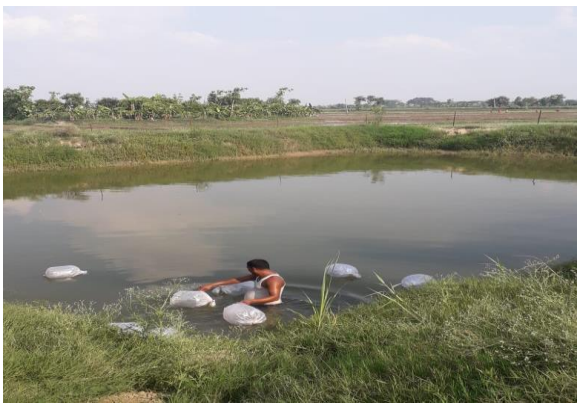



सीता प्रयास

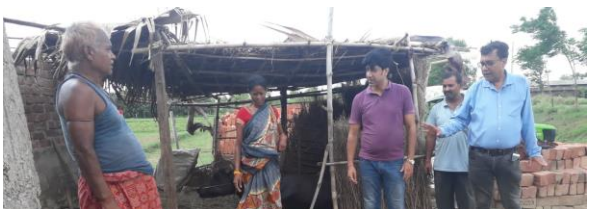



कृषि विज्ञान के






प्रशिक्षण कार्यक्रम
विषय-प्राकृतिक खेती




प्रशिक्षण कार्यक्रम
विषय-प्राकृतिक खेती


Agri-search with a human touch
कृषि विज्ञान केन्द्र, नालन्दा
आपका हार्दिक स्वागत करता है।
किसान दिवस


SC/ST परियोजना के अन्तर्गत
पौधा प्रवर्धन प्रशिक्षण


प्रशासनिक भवन