KRISHI VIGYAN KENDRA

KISHANGANJ (BIHAR)
ANNUAL REPORT

(January to December 2021)

Submitted to

ICAR-ATARI, Patna, (Zone-IV)

BIHAR AGRICULTURAL UNIVERSITY
SABOUR, BHAGALPUR

PROFORMA FOR ANNUAL REPORT 2021 (January to December, 2021)

1. GENERAL INFORMATION ABOUT THE KVK

Krishi Vigyan Kendra, Kishanganj is an innovative centre of Indian Council of Agricultural Research (ICAR), Pusa, New Delhi sanctioned vides F. No. 61 /2004-AE-1dated 05.04.2006 under the administrative control of Bihar Agricultural University, Sabour, Bhagalpur Bihar. This KVK was initially established in Thakurganj in March, 2006 in Kishanganj district of Bihar and then shifted to SMF, Kishanganj. It is a unique scheme of ICAR oriented to serve the farmers by being the fountain head of agricultural technologies at the district level. KVKs are the agricultural knowledge centers for farmers, farmwomen, rural youth and extension functionaries. The centre has the mandated activities of conducting on farm testing/trials (OFTs) with emerging advances in agricultural research for assessing, refining and demonstration of recently released technology to develop location specific sustainable production system. The organization is dedicate for organizes vocational training in agriculture and allied fields for practicing farmers, farm women and rural youth. The Kishanganj district is quite suitable for cultivation of Jute, Makhana, Pineapple, Banana, Potato, Maize, Rice and Wheat, pulses, oilseeds and vegetables crops in different seasons of the year. The productivity enhancement of the field, fiber, horticultural crops and livestock with the concept of integrated farming system module is the major area of thrust for development of agriculture in the district.

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra Hawai Adda Road, Near BSF Head Quarter, Khagra, Kishanganj,Bihar PIN – 855 107			kishanganjkvk@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	0641-2452611	0641-2452611	deebausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Er. Manoj Kumar Roy	Krishi Vigyan Kendra, Hawai Adda Road, Khagra, Kishanganj, 855107	7903864332	kishanganjkvk@gmail.com

1.4. Year of sanction of KVK: F. No. 6-1 /2004-AE-1 dt. 05.04.2006

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist & Head	Er. Manoj Kumar Roy	Senior Scientist & Head	Agricultural Engineering	Level 13(A) Basic-1,39,400/-	31/07/2007	Permanent	OBC
4	Subject Matter Specialist	Dr. Niraj Prakash	Subject Matter Specialist	Plant Protection	Level 10 Basic- 67,000/-	07/10/2014	Permanent	OBC
5	Subject Matter Specialist	Dr. Hemant Kr. Singh	Subject Matter Specialist	Horticulture	Level 10 Basic-67,000/-	06/01/2015	Permanent	Other
2	Subject Matter Specialist	**Vacant**	Subject Matter Specialist	Soil Science	-	-	-	-
3	Subject Matter Specialist	**Vacant**	Subject Matter Specialist	Animal Science	-	-	-	-
6	Subject Matter Specialist	**Vacant**	Subject Matter Specialist	Agronomy	-	-	-	-
7	Subject Matter Specialist	**Vacant**	Subject Matter Specialist	Home Science	-	-	-	-
8	Programme Assistant	Md. Miraj	PA(Lab Technician)	Lab Technician	Level 06 Basic-46,200/-	30/10/2012	Permanent	OBC
9	Programme Assistant	Anjum Hashim	PA(Computer)	Computer	Level 06 Basic-44,900/-	20/05/2013	Permanent	OBC
10	Farm Manager	Smt. Sunita Kumari	Farm Manager	Agriculture	Level 06 Basic-44,900/-	01/03/2013	Permanent	OBC
11	Accountant / Superintendent	Vacant	Assistant	Account				
12	Stenographer	Sri Rakesh Mandal	Stenographer	Office	Level 04 Basic-32,300	19/06/2013	Permanent	OBC
13.	Driver	Sri Niraj Kumar Singh	Driver	Vehicle	Level 03 Basic-26,800/-	20/05/2015	Permanent	Other
14.	Driver	**Vacant**	Driver	Vehicle	-	-	-	-
15.	Supporting staff	**Vacant**	Supporting Staff	-	-	-	-	-
16.	Supporting staff	**Vacant**	Supporting Staff	-	-	-	-	-

1.**6. Total land with KVK (in ha)** :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	0.5
3.	Under Crops	5.0
4.	Orchard/Agro-forestry	1.0
5.	Others (Low lying area)	2.0
	Total	**10.0**

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	550	Use	ICAR
2.	Farmers Hostel					Completed	350	Use	ICAR
3.	Staff Quarters (6)					PC Quarter	87	Use	ICAR
						FM Quarter	87	Use	ICAR
						TA Quarter 2 Unit	128	Use	ICAR
		Supporting Staff 2 unit							
4.	Piggery unit	--							
5	Fencing	--							
6	Rain Water harvesting structure	--							
7	Threshing floor					Yes	186	Use	ICAR
8	Farm godown	--				Yes		Use	ICAR
9.	Dairy unit	--							
10.	Poultry unit	--							
11.	Goatary unit	--							
12.	Mushroom Lab	--							
13.	Mushroom production unit	--							
14.	Shade house								
15.	Soil test Lab	--							
16	Store room cum working shed					Yes		Use	NHM,GOB

* 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
Tractor with tailor	2004-05	334500/-	3190 hrs	Repairable
Motor Cycle BR 37 J 9891	2015-16	60,000/-	9088 km	Good
Motor Cycle BR 37 J 9892	2015-16	60,000/-	9297 km	Good
Bolero BR 37 P 3460	2019-20	8,02,237/-	31650	Good
Tractor with tailor	2021	945221/-	160 hrs	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Shaker	2015 – 16	-	Working	-
Meter	2015 – 16	-	Working	-
Hot Plate	2015 – 16	-	Working	-
Solar Plate with controller & Cable	2015 – 16	-	Working	-
GPS	2015 – 16	-	Working	-
Lactometer	2015 – 16	304/-	Working	-
Digital electronic balance	2015 – 16	7000/-	Working	-
Medical Microscope	2015 – 16	7500/-	Working	-
Slim Plain Pic	2015 – 16	168/-	Working	-
Colin Glass 18 X 18mm	2015 – 16	60/-	Working	-
Wet & Dry Thermameter	2015 – 16	2160/-	Working	-
Thermo Hyqometer digital	2015 – 16	720/-	Working	-
P.H. Meter	2018 – 19	6726/-	Working	BSDM
Weighing Balance 0.5 GSM	2018 – 19	4602/-	Working	BSDM
Conductivity Meter	2018 – 19	6608/-	Working	BSDM
Microprocessor based Spectrophotometer	2018 – 19	124490/-	Working	BSDM
Video Conferencing Hall				
HDX8000 HD	2014 – 15	Rs. 222823 VAT 5% Extra	Working	-
MP2 Camera	2014 – 15		Working	-
Mic	2014 – 15		Working	-
47' Panasonic LED	2014 – 15	Rs. 69565 + 13.5% VAT Extra	Working	-
Dell Monitor	2014 – 15	62839 + 5% VAT Extra	Working	-
DELL CPU	2014 – 15	132292 +5% VAT Extra	Working	-
Switch	2014 – 15	3194 +5% VAT Extra	Working	-
Wall Monted Rack	2014 – 15	4259 +13.5% VAT Extra	Working	-
Puch Code Digilik STD	2014 – 15	Rs. 426 +5% VAT Extra	Working	-
Patch Cord	2014 – 15	Rs. 213 + 5% VAT Extra	Working	-
AC	2014 – 15		Working	-
Router	2014 – 15	Rs. 22134/-	Working	-
Amron Quanta 12 v 65 Ah Battery 14 pc	2019-20	Rs 66913 +28% GST	Working	-
5 KV UPS	2021	49501/- with GST	working	-
12 v 26 AH Exide Battery	2021	39782/- with GST	14 pc working	
b. Farm machinery				
Diesel engine Pump set (4.5 H.P.) with all accessories	2008-09	19900/-	Not working	ICAR

Pump Set Electrical (2HP)	2014-15	12455/-	Working	RF
Pump Set Electrical (2HP)	2017 – 18	14495/-	Working	RF
Pump Set Electrical (1HP)	2019-20	3850/-	Working	RF
c. AV Aids				
Computer with accessories	2005-06	Supplied by univ.	Working	ICAR
Handy Camera	2009-10	16725/-	Working	ICAR
Digital Camera	2009-10	7450/-	Working	ICAR
Camera Nikon	2012-13	28450/-	Working	ICAR
LCD Projector Dell	2012-13	28280/-	Working	ICAR
Dell Laptop	2012-13	43100/-	Non-working	ICAR
Generator	2010-11	-	Working	ICAR
Printer 1536	2013 – 14	-	Working	24900
Printer Konica Minolta Biz Hub	2013 – 14	-	Working	
UPS 10KVA, Luminous	2015 – 16	-	Working	4000/-
Xerox Photocopier cum printer	2016 – 17	-	Working	99485/-
External Hard Disc Lenovo Portable head	2016 – 17	-	Working	RKVY
Dell Laptop	2016 – 17	-	Working	RKVY
Dell Desktop	2016 – 17	-	Working	RKVY
Inverter System	2016 – 17	-	Working	RKVY
Panasonic LED TV	2016 – 17	-	Working	RKVY
Sony Projector	2016 – 17	-	Working	RKVY
Aahuja Amplifier	2016 – 17	-	Working	RKVY
Aahuja Sound System	2016 – 17	-	Working	RKVY
CCTV Camera	2016 – 17	-	Working	RKVY
Handy Camera (Sony)	2016 – 17	-	Working	RKVY
Camera Canon	2016 – 17	-	Working	RKVY
Microtek UPS 16DUFUHD169470	2016 – 17	4100/-	Working	
Desktop Lenovo with 21.5 Monitor & USP Intex	2017 – 18	50,000/-	Working	BSDM
Desktop Lenovo with 21.5 Monitor & USP Intex	2017 – 18	50,000/-	Working	BSDM
P. Amplifier 12 DP	2018 – 19	10800/- Including 9%GST	Working	ICAR
Printer Canon LaserJet	2018 – 19	16000/- Including GST	Working	BSDM
Desktop Lenovo	2018 – 19	49500/- Including GST	Working	BSDM
Laptop Dell INS. 3576/821	2018 – 19	48800 with GST	Working	BSDM
Laptop HP	2021	60,000/- with GST	Working	DAMU
Epson Projector	2021	95550/- with GST	Working	RKVY
Desktop Lenovo	2021	38800/- Including GST	Working	ICAR
Ahuja WL PA AWM 700	2021	5782/ with GST	Working	ICAR
Logitech Web Camera	2021	10700/ with GST	1 pc working	RKVY
CCTV (8 chanal)	2021	16271/- with GST	08 pc	ICAR
Printer Cannon	2021	5600/-with GST	01 pc working	DAMU
Others Equipments				
Ahuja Megaphone	2015 – 16	3178/-	Working	ICAR
Water Cooler Voltas 40/80 +Water purifier Euro Aqua	2016 – 17		Working	RKVY
Usha Cooler	2016 – 17	10305/-	Working	ICAR
Vacuum Cleaner Eureka Forber trendy	2016 – 17	9950/-	Working	ICAR
Biometric Machine with steel kit	2016 – 17	30093/-	Working	ICAR
Ceiling Fan	2018 – 19	-	10 Pc Working	BAU, Sabour
Exhaust Fan	2018 – 19	-	16 Pc Working	BAU, Sabour
Nilkamal Table 3+1 Drawer	2018 – 19	46500/- Including GST	3 Pc Working	ICAR
Nilkamal Executive Table	2018 – 19	24990/- Including GST	1 Pc Working	ICAR

Nilkamal 6 Drawer Table	2018 – 19	49980/- Including GST	3 Pc Working	ICAR
Nilkamal Revolving Chair	2018 – 19	49770/- Including GST	6 Pc Working	ICAR
Nilkamal Boss Chair	2018 – 19	16699/- Including GST	1 Pc Working	ICAR
Nilkamal Runner Chair	2018 – 19	22500/- Including GST	5 Pc Working	ICAR
Godrej Monarch Sofa Set	2018 – 19	41480/- Including GST	1 Pc Working	ICAR
Godrej Storwell Plan Almirah	2018 – 19	37840/- Including GST	2 Pc Working	ICAR
Channel Gate (143 Kg)	2018 – 19	10725/-	1 Pc Working	ICAR (Building Maintenance)
Channel (29 Kg)	2018 – 19	2030/-	1 Pc Working	ICAR (Building Maintenance)
Project Screen size 8X6 Fit	2018 – 19	27990/-(Including GST)	1Pc Working	ICAR
Versha Harvester	2019-20	20338/- (Including GST)	1 PC working	BSDM
Weight machine	2019-20	11355/- (Inc. GST)	1 PC working	BSDM
Trolly Sprayer	2019-20	19491/- (Inc. GST)	1 PC working	BSDM
Chaff Cutter	2019-20	6696/- (Inc. GST)	1 PC working	BSDM
Singhal Rack	2019	29750/- (Inc. GST)	5 PC Working	ICAR
Steel Book Case	2021	44441/- (Inc. GST)	1 pc working	ICAR
Executive Chair	2021		1 pc working	ICAR
Office Desk	2021		1 pc working	ICAR
Hitachi AC	2021	1,49,500(with GST)	2 pc working	RKVY
LED smart TV	2021		01 pc working	RKVY
BSDM Gardener Equipments				
Biomatric Machine (30.06.2017)	2017 – 18	-	Working	BSDM
Kudal Tata	2017 – 18	-	Working	BSDM
Kudal Power	2017 – 18	-	Working	BSDM
Khurpi	2017 – 18	-	Working	BSDM
Kulhari	2017 – 18	-	Working	BSDM
Falcon Fine Cut	2017 – 18	-	Working	BSDM
Concorde Grafting Knife	2017 – 18	-	Working	BSDM
Falcon Hedge Shear	2017 – 18	-	Working	BSDM
Water Can 10 Leter	2017 – 18	-	Working	BSDM
Falcon Khurpa 3000	2017 – 18	-	Working	BSDM
Sickle	2017 – 18	-	Working	BSDM
Spade	2017 – 18	-	Working	BSDM
Pots	2017 – 18	-	Working	BSDM
Iron Flower Stand (25.05.2017)	2017 – 18	-	Working	BSDM
Sumo Tub 15"	2017 – 18	-	Working	BSDM
Pipe 1 Roll	2017 – 18	-	Working	BSDM
Warmth Heater (13.01.2018)	2017 – 18	-	Working	BSDM
Seed Display Stand	2017 – 18	-	Working	BSDM
Sprayer	2017 – 18	-	Working	BSDM
Gumboot	2017 – 18	-	Working	BSDM
Hot air oven	2017 – 18	-	Working	BSDM

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
M.B. Plough	2004-05	SUPLIED BY UNIV.	Not Working	ICAR
Land leveler	2004-05	SUPLIED BY UNIV.	Working	ICAR
Cultivator (9 tynes)	2004-05	SUPLIED BY UNIV.	Working	ICAR
Electric Balance	2004-05	SUPLIED BY UNIV.	Working	ICAR
Stitching m/c	2004-05	SUPLIED BY UNIV.	Working	ICAR
Rotavator	2011	76806/-	Working	RKVY
Cultivator (11 tynes)	2011	19950/-	Working	RKVY
Zero Tillage (Seed drill)	2013-14	40,036/-	Working	ICAR
Thresher (maize)	2013-14	99,900/-	Working	ICAR
Power Reaper	2013-14	99,960/-	Working	ICAR
Sprinkler System	2013-14	55000/-	Working	ICAR
Rotavator	2013-14	99900/-	Working	ICAR
Maize Thresher	-	99900/-	Working	ICAR
Seed Drill (Tractor Operated)	-	40000/-	Working	ICAR
Power Sprayer	-	6000/-	Working	ICAR
Rotavator	-	99900/-	Working	ICAR
Stitching Machine	-	-	Working	BAU
Stand Fan	-	-	Working	ICAR
Electronic Balance	-	-	Repairable	ICAR
Knap Sack Sprayer	-	-	Repairable	ICAR
Hand Sprayer	-	-	Working	ICAR
Wooden Pata	-	-	Working	R/F
Pipe (600ft)	-	-	Working	R/F
Moisture box	2016-17	-	Working	BAU
Weighing Balance(Manual)	2016-17	-	Working	BAU
Plastic Packaging Machine	2017 – 18	1800/-	Working	RKVY
Paddy Threshar (Mannual)	2017 – 18	5500/-	Working	RKVY
Grain Moisture testing machine	2016 – 17		Working	RKVY
Shovel	2018 – 19	2160/-	Working	BSDM
Cultivator Fro	2018 – 19	690/-	Working	BSDM
Happy Seeder 2 Nos	2019-20	Supplied, BAU, Sabour	Working	GOB
Tractor operated winnower fan	2020	24,573/-	Working	BSDM
New Holland Tractor 65 hp	2021	945221/- with GST	Working	GOB
Tractor Trolley	2021	179199/-with GST	working	GOB
Paddy Thresher	2021	174720/-with GST	Working	GOB
Rice-Wheat seeder	2021	20000/-	working	GOB
Multi-crop Planter	2021	88019/- with GST	Working	GOB
Reaper	2021	Supplied , BAU, Sabour	Working	GOB
Weeder & Ridger	2021	Supplied , BAU, Sabour	Working	GOB
Laser Land Lever	2021	305000/- with GST	Working	GOB
Raised Bed Planter	2021	99000/- with GST	Working	GOB
Tractor Mounted Sprayer	2021	193520/- with GST	Working	GOB

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.	10.07.2021	48	Proceeding attached	The decisions are incorporated in action plan 2022 for execution.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

The Scientific Advisory Committee meeting of KVK, Kishanganj was held on 10th July, 2021 under the chairmanship of Associate Director Extension Education, Bihar Agricultural University, Sabour. Associate Dean-cum-Principal, DKAC, Kishanganj and Deputy Commandant, BSF, Kishanganj also participated in the meeting. The house approved the Action Taken on the recommendation of 10th SAC meeting by KVK, Kishanganj. Total 48 participants including officers from line department, representative of leading NGOs progressive farmers and farm women and staffs of KVK, participated in the meeting. In the meeting following recommendation were made –

1. As pineapple in the crop under One District One Product. A pineapple based FPO should be formed by the CBBO, PRADAN and technical support to the farmers be provided by KVK, Kishanganj. **(Action: SMS, Horticulture)**
2. Training on tea cultivation to the members/farmers of Jeevika should be provided by KVK, Kishanganj with the support of DKAC, Kishanganj.

   (Action: DPM, Jeevika, Kishanganj and SS & Head, KVK, Kishanganj)
3. The soils of the plots of CRA farmers should be tested before Kharif regularly to see the change in the status soil fertility. **(Action: Md. Miraj, PA (Lab.)**
4. Online training should continue even after COVID-19 pandemic.

   (Action: All SMS.)
5. In Rabi 2021-22 under CRA Programme promising hybrid variety preferred by the local farmers should be provided under raised bed maize planting.

   (Action: Co-PI and R.A., CRAP.)
6. The vacant posts of KVK should be filled on priority particularly the SMS of Agronomy and Animal Science should be posted to cater to the needs of the farmers of the district.

   (Action: SS & Head.)
7. Under ICAR FLD Programme less emphasis should be given on demonstration on varietal performance of cereals. **(Action: All SMS.)**
8. Under NARI programme 3 to 4 Aanganwadi centres should be selected in consultation with District Programme Officer and develop it as model Nutri-garden.

   (Action: SMS, Horticulture)

9. Holistic approach should be made to develop adopted village as model village. The effort should be made for convergence of all line departments in this regard.

(Action: SS & Head and All SMS.)

10. The target for quality planting material should be increased according to the demand of the farmers.
11. The website of KVK should be updated. **(Action: Rakesh Mandal.)**

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

Sl. No.	Item	Information
1	Major farming system/enterprise	• Paddy-maize based farming system • Paddy-wheat based farming system • Paddy- Mustard/Potato- wheat –green gram based farming system • Jute – Paddy based farming system • Fruits and vegetables based farming system. • Pineapple based farming system • Vermicompost production • Fish Culture • Mushroom production • Poultry/goat farming • Bee Keeping
2	Agro-climatic Zone	Zone-II (North – East Alluvial Plain) The climate is sub-tropical and humid having mean maximum and minimum temperature between 41^{o}C and 3.52^{o}C respectively. The average annual rainfall of the district is about 2269.49 mm.
3	Agro ecological situation	North East alluvial plain Up land sandy soil –suitable for maize, wheat, vegetables & fruits Medium sandy loam soil- wheat, maize, jute, rice, oilseeds, pulses, vegetables & fruits cultivation Low lying clay soil with flood & water logging condition suitable for paddy, boro-paddy & paira cropping Diara land of Mahananda flooded during rainy season with sandy and loamy soil-suitable for rabi maize, wheat, oilseeds, pulses & cucurbits
4	Soil type	The soil of Kishanganj district are coarse textured, sandy loam to loam with p^{H} 5.8 to 7.2, low in organic carbon, available N, P_2O_5 and medium in available K_2O with deficient of micronutrients.

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

A. Cereal

Crops	Area (ha)	Production (MT)	Average yield (q/ha)
Paddy	77617	221120	28.49
Wheat	14080	16658	11.83
Maize	3033	9465	31.21

B. Pulses

Crops	Area (ha)	Production (MT)	Average yield (q/ha)
Moong	722	801	11.09
Lentil	864	632	7.31
Kulthi	662	634	9.58
Khesari	375	371	9.89

C. Oilseeds

Crops	Area (ha)	Production (MT)	Average yield (q/ha)
Rapeseed & Mustard	1409	1122	7.96
Linseed	1696	1460	8.61
Sesame	213	185	8.69

D. Horticultural Crops

Crops	Area (ha)	Production (MT)	Average yield (q/ha)
Pineapple	2200	59202	365.00
Onion	1410	31710	220.00
Mango	836	7280	48.00
Banana	679	31867	360.00
Litchi	425	3062	67.50
Guava	250	1974	45.60
Lemon	281	2025	280.00
Papaya	48	1153	480.00

Source: Bihar economic survey 2019-20

6 **Mean yearly temperature, rainfall, humidity of the district**

Month	Rainfall (mm)	Rainy days	Temperature ^{0} C		Relative Humidity (%)
			Maximum	Minimum	
Jan	0	0	26	16	46
Feb	0	0	29	17	40
Mar	0.2	1	37	23	20
April	0	0	43	27	20
May	140.3	23	37	27	52
June	357	23	35	27	68
July	494.6	31	32	27	79
August	514.1	31	31	26	82
September	30.9	25	33	26	75
October	24.1	9	32	23	70
November	0	0	30	18	52
December	2.7	1	27	15	45
Total	**1563.9**	**144**	**33**	**23**	

Source-Statistical RRS, Agwanpur, Saharsa

7	Production of major livestock	Milk(Lt)	1,50,000

	products like milk, egg, meat etc. (Source Bihar Economy Survey 2015-16)	Fish(MT)	7.9
		Livestock	884364
		Cattle – Cross breed	14190
		Cattle-Indigenous	400426
		Goat	415343
		Poultry-Cross breed	48253
		Poultry-Indigenous	633787
		Buffalo	48606
		Sheep	421
		Pig	11589

Note: Please give recent data only

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

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Kishanganj	Kishanganj	Singhia Kulamani, Majhia, Dhekabhinja, Kashipur, Fulwari, Doula, Juljuli, Maida	Rice, Wheat, Maize, Banana, ginger, turmeric, other speices Jute, Potato, Fruits &Vegetables, Mustard, green gram, Mushroom, goatry, and Backyard Poultry	Unavailability of quality seeds, injudicious use of fertilizers, incidence of weeds, diseases and pests, lack of scientific knowledge of crop cultivation, Problematic soil	ICM,WM,INM, Improved seed and seed treatment, Vermiculture, Mushroom Production, Capacity Building, Value Addition, Disease management in animals
2.		Pothia	Dihalbari, Pokharia,Gilhabari, Panasi, Sarogora, Mahsool			
3.		Terhagachh	Baigna, Dhadhar			
4.		Kochadhaman	Purandaha, Shitalnagar, Suranag, Mehdipur, Chargharia, Alta, Sapatiya, Dogharia,			
5.		Dighalbank	Kuthaili, Dahibhat, Singhimari, Satkoua, Korhobari			
6.		Thakurganj	Patharia, Kukurbaghi, Baisarbati, Sakhuadali, Hulhuli			
7.		Bahadurganj	Bangama, Loucha, Bhouradah, Bhatabari and Maheshbathna			

2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Bairgachhi (Er. Manoj Kr. Roy, Sr Scintist & Head)	Kishanganj	• OFT on Cowpea + Okra intercropping system. • Conducted FLDs on Paddy(var.- Sabour Shree) • Soil testing and soil health card distribution to farmers. • Need based training Prog for PF/RY. Farm Advisory services, kissan chaupal, Kissan gosthi, exposure visit. and animal husbandry, swachhata pakhwara, SBM. • Participation of farmers and farm women in kvk programmes like world soil day, and other training cum awareness programmes.
Farsadangi/ Andhwakoul (Dr. Niraj Prakash, SMS, Ento)	Kishanganj	• OFT on rabi Maize • FLD on Kharif Paddy, pheromone trap against cucurbits and waste decomposer. • Training Prog for PF/RY, Farm Advisory services, kissan chaupal, Kissan gosthi, exposure visit, swachhata pakhwara, SBM, diagnostic visit. • Participation of farmers and farm women in kvk programmes like Pre rabi krisak sangosthi, world soil day and other training cum awareness programme.
Kolha/Motihara Taluka (Dr Hemant Kr Singh, SMS, Horticulture)	Kishanganj	• Conducted FLDs on ZT wheat, RB Maized, RB Mustard, RB Wheat, Potato Planter, DSR paddy, INM paddy and wheat, Water harvesting through field bunding in paddy, AWD in paddy, vegetables and fruits (Pheromon trap, Improved seed, Weed management and PGR). • OFTs on Mango (PGR)

		• Soil testing and soil health card distribution to farmers. • Need based training Prog for PF/RY. Farm Advisory services, kissan chaupal, Kisan gosthi, Field Days, exposure visit, swachhata pakhwara, SBM. • RAWE programme, awareness camp, group meeting etc

2. d. Adopted of Climate Resilient Agriculture Programme/DFI/PKVY village by KVK:

Name of village	Block	Name of Programme	Action taken for development
Motihara Taluka, Kashipur, Belwa kashipur, Chhagalia, Lohadanga	Kishanganj	CRA-Programme (GOB)	• About 141 ha area covered under Raised bed planting of maize, Raised bed planting of wheat, Zero-tillage of wheat and Raised bed planting of rai, Raise Bed Potato. • Training of farmers, exposure visit and Kisan goshthi organized in the adopted village. • Soil testing of CRA plots
Andhwakoul and Bairgachhi	Kishanganj	DFI (ICAR)	• KVK, Kishanganj desiminate the technology regarding exiting crops of village for increased the income • KVK suggested for grow early variety of vegetables get high income in the market • Crop regulation in guava with twisting technology for off season fruit production. • Use of fertilizer on the basis of soil test, use of green manuring and bio-fertilizer • Training, Kisan choupal, soil test campaign etc. • Use of IPM technology for reducing heavy load of insecticide/pesticide • Minimize the store grain pest with use of PP super grain bag for maintain of quality of grain/seed
Chapati (Dumaria)	Thakurganj	PKVY (ICAR)	• Demonstration of Bio-fortified variety of wheat • Baseline survey and PRA • Selection of farmers in cluster • Conducted Kisan choupal, Kisan goshthi and awareness of organic farming.

2.1 Priority thrust areas

S. No	Thrust area
1.	INM and IPM practices for sustainable agriculture.
2.	Management of Jute, Banana and Pineapple based cropping system.
3.	Popularization of quality seed production.
4.	Income generation activities through high value fruits crops, beekeeping, mushroom production, vermi-composting, goatary, Poultry, and preservation of fruits and vegetables etc. & Farm women empowerment.
5.	Promotion and adoption of Integrated farming system in the district.
6.	Enhancement of milk production through proper management of miltch animals.

3. **TECHNICAL ACHIEVEMENTS**

3.A. **Details of target and achievement of mandatory activities by KVK during the year 2021**

OFTs												FLDs											
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
05	07	50	04	02	-	02	49	09	53	13	66	10	33	180	158	57	02	02	1583	163	1744	221	1965

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
80	75	2000	215	106	14	3	1302	363	1531	463	1978	1000	950	5000	101	25	75	26	2648	668	3267	578	4071

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								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
60	0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Seed production (q)		Planting material (in Lakh)	
Target	**Achievement**	**Target**	**Achievement**
180	196	0.050	0.018

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	0.05	0.0685

* 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	00					-	
Seminar/conference/ symposia papers/webinar	00		-	-	-	-	-
Books	01	Mass	-	-	-	-	-
Bulletins	00		-	-	-	-	-
News letter	04	Mass	-	-	-	-	-
Popular Articles	11	Mass	-	-	-	-	-
Book Chapter	01	Mass	-	-	-	-	-
Extension Pamphlets/ literature	04	Mass	-	-	-	-	-
Technical reports	10	Mass	-	-	-	-	-
Electronic Publication (CD/DVD etc)	01	Mass	-	-	-	-	-
TOTAL	**32**		-	-	-	-	-

1. **Achievements on technologies assessed and refined (Jan to Dec-2021)**

OFT – 01 (Entomology) 2020

1.	Title of On farm Trial	**Management of Fall Army worm *Spodoptera frugiperda* in maize.**
2.	Problem diagnosed	Fall Army worm *Spodoptera frugiperda* is the most dreaded invasive insect pest associated with maize. It causes heavy losses up to 80 percent. Some times their infestation level is so high that farmers don't get return even whatever they spend on seeds. Therefore it is needed for management of Fall Army worm.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers practice:** (Whorl application of Carbofuran 3G @ 20 kg/h) **TO_1- i.** Application of Sand (After whorl formation and at 5 % damage symptom appearance). **ii**. Spraying of Emamectin benzoate 5SG @ 0.4g/l of water at 5days of application of sand **iii.** Spraying of Thiomethoxame 12.6 % + Lamdacyhalothrin 9.5 % @ 0.5 ml/l at 15 days after 1st spray. **TO_2- i.** Application of Soil (After whorl formation and at 5 % damage symptom appearance). **ii.** Spraying of Fipronil 5 SC @ 1 ml/l of water at 5 days of application of soil. **iii**. Spraying of Spinosad @ 0.2 ml/l at 15 days of 1st spray.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Maize cropping system, IPM
6.	Performance of the Technology with performance indicators	• **Technological observations:** Observation will be taken for no. of larvae/damaged leaves/no. of holes at 5 spots in each plot of 10 randomly selected, plants (Incidence %), Yield (q/ha) • **Economic indicators:** Cost of cultivation(Rs.) , Net return (Rs.) ,B:C Ratio
7.	Final recommendation for micro level situation	**i** Application of Sand (After whorl formation and at 5 % damage symptom appearance). **ii**. Spraying of Emamectin benzoate 5 SG @ 0.4 g/l of water at 5 days of application of sand. **iii.** Spraying of Thiomethoxame 12.6 % + Lamdacyhalothrin 9.5 % @ 0.5 ml/l at 15 days after 1st spray is effective to control for management of Fall Army Worm in maize.
8.	Constraints identified and feedback for research	Use of carbofuran 3 G since long time developed resistance against Fall Army Worm and affect the yield of maize.
9.	Process of farmers participation and their reaction	PRA, group discussion and training etc.

Thematic area: Integrated Pest Management.

Technology assessed: Evaluation of efficacy of insecticide against Fall Army Worm in maize.

Table: Efficacy of different insecticide against Fall Army Worm in maize.

Technology option	Plant damage (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers practice:	19.6	66.0	55100	99000	43900	1.76
TO_1	3.4	74.5	56500	111750	55250	1.97
TO_2	4.9	72.2	56300	108300	52000	1.92

Results: An OFT was conducted on 10 farmers field during year 2020-21 (Rabi) for management of Fall Army Worm, *Spodoptera frugiperda* in maize. It was observed that Fall Army Worm infestation (3.4%) was minimum in TO_1 with highest yield of (74.50 q/ha) in comparison to farmers practice and other treatment TO_2. Net return 55250.00 Rs/ha and BC ratio 1.97 found more in TO_1. Fall Army Worm infestation was found (19.6%) maximum and yield (66.0 q/ha) minimum in farmer practice with net return Rs. 43900.00/ha and BC ratio 1.76. Thus emamectin benzoate 5SG @ 0.4 g/l and after 15 days interval as well as another insecticide thiomethoxame 12.6% + lamdacyhalothrin 9.5%@0.5ml/l used for better management of Fall Army Worm in maize crop.

OFT – 02 (Entomology) 2021

1.	**Title of the OFT**	**Efficacy of different combination of fungicide for controlling root and stem rot of cucurbits (Bottle gourd).**
2.	**Problem diagnosed**	The farmers face 40 to 45 % yield losses and low profitability in Cucurbits cultivation due to root and stem rot.
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	**Farmer Practice:** Spray of Mancozeb (Indofil M45) @ 3 gm/l **TO_1 :** Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching **TO_2 :** Kashugamycine @ 2 ml/ L + (mancozeb 63% +carbendazim 12%) @ 2 gm/L (Poison painting and spray also at 20 days interval
4.	**Source of Technology (ICAR/ AICRP /SAU/ Other, please specify):**	IIVR, Varanasi
5.	Production system and thematic area	Vegetable Farming System and IDM
6.	Performance of the Technology with performance indicators	**A. Technological observations:** Disease appearance (days) ,Infected leaf/plant, Per cent infestation, Mortality (%), Yield (q/ha), Soil testing report **B. Economical observations:** Cost, Net return (Rs), B:C ratio
7.	Final recommendation for micro level situation	The application of Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching for best management of root and stem rot disease of cucurbits (Bottle gourd)
8.	Constraints identified and feedback for research	Mancozeb (Indofil M45) @ 3 gm/l is not effective management for root and stem rot in cucurbits.
9.	Process of farmers participation and their reaction	PRA, group discussion and training, choupal etc.

Thematic area: Integrated Disease Management.
Technology assessed: Evaluation of efficacy of different combination of fungicides for management of root and stem rot of cucurbits.

Table: Efficacy of different combination of fungicides against root and stem rot in cucurbits.

Technology option	Disease incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmer Practice: Spray of Mancozeb (Indofil M45) @ 3 gm/l	31.4	153.5	70000	153500	83500	2.19
TO_1 : Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching	1.8	183.1	76000	183100	107100	2.40
TO_2 : Kashugamycine @ 2 ml/ L + (mancozeb 63% +carbendazim 12%) @ 2 gm/L (Poison painting and spray also at 20 days interval	4.9	172.3	75000	172300	93800	2.29

Results: An OFT was conducted on 10 farmers field during year 2020-21 (Summer) for Efficacy of different combination of fungicide for controlling root and stem rot of cucurbits (Bottle gourd) in summer season. Result showed that root and stem rot disease incidence was found minimum (1.8%) in TO_1 (Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching) with higher yield (183.1 q/ha) and BC ratio 2.4. Maximum disease incidence (31.4%) in TO1 (Farmers practice) with lowest yield (153.5 q/ha) and BC ratio 2.14. The application of Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching for better management for root and stem rot disease found economical with net return of Rs. 107100.

OFT – 03 (Entomology) (ATMA Funded) 2021

1.	Title of the OFT	**Management of Fruit borer of Okra.**
2.	Problem diagnosed	Loss of Okra production due to attack of fruit borer.
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	**Farmer Practice:** (Cypermethrin @ 2ml/l) **TO_1 :** Emamectin Benzoate 5% SG @0.4gm/l, 4 spraying at 15 days interval **TO_2 :** Indoxacarb14.5% SC@1ml/l, 4 spraying at 15 days interval
4.	Source of Technology (ICAR/ AICRP /SAU/ Other, please specify):	TNAU, Coimbatore
5.	Production system and thematic area	Vegetable Farming System and IPM
6.	Performance of the Technology with performance indicators	**A. Technological observations:** Fruit damage (%), Yield (q/h) **B. Economical observations:** Cost of cultivation, Net return (Rs), B:C ratio
7.	Final recommendation for micro level situation	Use of Indoxacarb14.5% SC@1ml/l, 4 spraying at 15 days interval for fruit borer okra is better for management of insect.
8.	Constraints identified and feedback for research	Since long time farmer use cypermethrin develop resistance to particular insect.
9.	Process of farmers participation and their reaction	PRA, group discussion and training, choupal etc.

Thematic area: Integrated Pest Management.

Technology assessed: Evaluate new insecticide for better management of fruit borer insect of okra.

Table: Efficacy of different insecticide against fruit borer of okra.

Technology option	Fruit damage (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers practice : (Cypermethrin @ 2ml/l)	20.3	121.20	48000	145440	97440	3.03
TO_1: Emamectin Benzoate 5% SG @0.4gm/l, 4 spraying at 15 days interval	3.2	154.30	51000	185160	134160	3.63
TO_2: Indoxacarb14.5% SC @ 1ml /l, 4 spraying at 15 days interval	1.4	169.50	52000	203400	151400	3.91

Results: An OFT was conducted on different farmers field during year 2020-21 (Summer) . Result showed that in TO_2 (Indoxacarb14.5% SC@1ml/l, 4 spraying at 15 days interval) obtained minimum fruit damage (1.4%), maximum yield (169.50 q/ha) with BC ration 3.91 and get maximum net return i.e. 151400.00 Rs/ha. In farmer practice fruit damage was maximum (20.30%), get minimum yield (121.20 q/ha) with BC ratio 3.03 and net return 97440.00 Rs/ha. Finally it was concluded that use of Indoxacarb14.5% SC@1ml/l, 4 spraying at 15 days interval for fruit borer management in okra was better for farmer in comparison of use of Emamectin Benzoate 5% SG @0.4gm/l, 4 spraying at 15 days interval in which net return was found Rs.134160.00 /ha with BC ratio 3.63 and 154.30 q/ha yield.

OFT – 04 (Agriculture Engineering) 2020

1.	Title of On farm Trial	**Assessment of performance of brush cutter cum weeder in maize**
2.	Problem diagnosed	Inter culturing of maize is costly and strenuous
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** Weeding by wheel hoe **TO_1** : Weeding by grubber **TO_2 :** Weeding by brush cutter cum weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCAU, Pusa, Samastipur
5.	Production system and thematic area	Rice-maize and Farm Mechanization
6.	Performance of the Technology with performance indicators	**Technological observations:** Field capacity (ha/h), Field efficiency (%), Weeding efficiency (%) **Economical observations:** Cost (Rs/ha)
7.	Final recommendation for micro level situation	Brush cutter-cum- weeder can be efficiently used for inter culturing operation of maize for labour saving
8.	Constraints identified and feedback for research	Proper training of farmers is required to use the machineries
9.	Process of farmers participation and their reaction	Training, group meeting and gosthi.

Thematic Area: Farm Mechanization .

Problem Definition: Interculturing of maize is costly and strenuous

Technology Assessed: **Assessment of performance of brush cutter cum weeder in maize.**

Table : Assessment of performance of brush cutter cum weeder in maize.

Treatments options	Field Capacity (ha/h)	Weeding efficiency (%)	Labour saving (Man h/ha)
Farmer Practice: Weeding by wheel hoe	0.0376	92.26	-
TO2 : Weeding by grubber	0.0280	91.13	(-) 9.11
TO3 : Weeding by brush cutter cum weeder	0.0534	87.76	7.88

Result : An OFT was conducted to assess the performance of Grubber hoe and Brush cutter-cum-weeder in comparison to wheel hoe which is the farmers practice for inter culturing operation of maize. Though the weeding efficiency of Brush cutter-cum- weeder was found slightly lower (87.76%) in comparison to Grubber hoe and wheel hoe but the field capacity of Brush cutter cum weeder was highest followed by wheel hoe and Grubber hoe. In terms of labor saving 7.88 man hour/ha was saved in Brush cutter-cum-weeder as compare to farmers practice of wheel hoe and weeding operation with Grubber hoe 9.11 Man hour/ha more was required than farmers practice.

OFT – 05 (Horticulture) 2020

1.	Title of On farm Trial	**Assessment of proper doses of Paclobutrazol in mitigating irregular bearing in mango.**
2.	Problem diagnosed	The farmers face the problem of alternate or irregular bearing generally signifies the tendency of mango trees to bear a heavy crop in one year (On year) and very little or no crop in the succeeding year (Off year)
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** No use of hormones. **TO_1 :** Appl*ication of Paclobutrazol @ 1.0g a.i./m* effective canopy *(20- 30g/plant) in soil* **TO_2 :** Application *of Paclobutrazol* @ 1.5g a.i./metre effective canopy (30- 45g) *in soil*
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR and ICAR-CIHS
5.	Production system and thematic area	Orchard management, Plant Growth Regulator
6.	Performance of the Technology with performance indicators	**Technological observations:** Days to 50 % flowering from treatments, No of fruit/plant, Per fruit weight (gm), Average fruit yield (kg/plant), Average fruit yield (q/ha.) **Economical observations:** Cost, Net return (Rs), B:C ratio
7.	Final recommendation for micro level situation	Continued next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training , group meeting and gosthi.

Thematic Area: Plant Growth Regulator.

Problem Definition: The farmers face the problem of alternate or irregular bearing generally signifies the tendency of mango trees to bear a heavy crop in one year (On year) and very little or no crop in the succeeding year (Off year).

Technology Assessed: **Assessment of proper doses of Paclobutrazol in mitigating irregular bearing in mango**.

Table : Assessment of proper doses of Paclobutrazol in mitigating irregular bearing in mango.

Treatments options	**Days to 50 % flowering from treatments**	**No of fruit/ plant**	**Per fruit weight (gm)**	**Average fruit yield (kg/plant)**	**Average fruit yield (q/ha.)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs/ha)**	**BC Ratio (Rs/ha)**
FP: No use	140	237	229	53	52.4	38100	146720	108620	3.85
TO_1: Paclobutrazol @ 1.0g a.i/m	132	326	241	79	78.4	46550	219520	172970	4.72
TO_2 : Paclobutrazol @ 1.5g a.i/m	124	502	247	124	122.6	50100	343280	293180	6.85
CD @ 5 %	4.7	32.4	27.1	13.6	-				
CV	**2.2**	**5.6**	**7.0**	**9.8**	**9.9**				

Result : The TO_2 exhibited maximum number of fruits/tree (502) followed by TO_1 (326). The fruits yield was significantly increased by both the doses of Paclobutrazol, the treatment TO_2 (124 kg/tree) produced maximum fruit yield followed by TO_1 (79 kg/tree) and FP (53 kg/tree). The data reveal that, the highest monetary returns (Rs. 293180/ ha) and the highest (6.58) B:C ratio was recorded in the TO_2: Paclobutrazol @ 1.5g a.i/m and it was followed by the TO_1:Paclobutrazol @ 1.0g a.i/m (4.72).

OFT : 6 (Horticulture) 2020

1.	Title of On farm Trial	**Assessment and performance of plant growth regulator for synchronize flowering in pineapple (Var-Kew)**
2.	Problem diagnosed	The pineapple requires higher cost of cultivation (Rs about one lakh per acre). Traditionally farmers use imbalanced and non-judicious use of hormones due to desynchronize flowering and low yield of pineapple.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** Use of Ethrel 25 ppm. **TO_1 :** Application of 25ppm Ethephone in combination with 2 % urea and 0.04 % $CaCO_3$ **TO_2 :** Application of 10 ppm NAA
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Pineapple Research Station, Vazhakkulam, Kerala Agricultural University, Vellanikkara. Thrissur, Kerala
5.	Production system and thematic area	Pineapple based cropping system, Plant Growth Regulator
6.	Performance of the Technology with performance indicators	**A. Technological observations:** Plant height (cm), Days to flowering , Days to first fruit harvest, Yield (q/ha), Soil testing **B. Economical observations:** Cost , Net return (Rs), B:C ratio
7.	Final recommendation for micro level situation	Continued for next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training , group meeting and gosthi.

Thematic Area: Plant Growth Regulator.

Problem Definition: The pineapple requires higher cost of cultivation (Rs about one lakh per acre). Traditionally farmers use imbalanced and non-judicious use of hormones due to desynchronize flowering and low yield of pineapple.

Technology Assessed: **Assessment and performance of plant growth regulator for synchronize flowering in pineapple (Var-Kew)**.

Table – Effect of plant growth regulator Pineapple (LS-45) for synchronization flowering in pineapple (*var- Kew*)

Treatment	Flowering (Days) after treatment	Days to fruit maturity after treatment	fruit yield (q/ha)	Grass cost Rs.	Grass return Rs	Net Profit Rs	BCR
Farmers Practice: (Use of Ethrel 25 ppm)	46.86	138.24	398.4	252000	597600	345600	2.37
TO1: Application of 25ppm Ethephone in combination with 2 % urea and 0.04 % $CaCO_3$	40.28	130.08	428.12	255000	642180	387180	2.52
TO2: Application of 10 ppm NAA	47.39	140.22	404.25	251500	606375	354875	2.41

Result : An investigation was carried out at ten farmers field during 2020 in month of October by KVK, Kishanganj. Effect of plant growth regulators on fruit characters and yield in pineapple cv. Kew as regulation of synchronizing of pineapple flowering and early harvesting of fruit yield. Forcing treatment to pineapple with **TO1:** Application of 25 ppm Ethephone in combination with 2 % urea and 0.04 % $CaCO_3$, **TO2:** Application of 10 ppm NAA and **Farmers Practice:** (Use of Ethrel 25 ppm) or Ethylene can induce flowering at any time of a particular year. It also causes synchronisation in flowering, produces uniform fruit size; uniform ripening of fruit along with improved fruit yield can be available throughout the year. The result showed that maximum average fruit yield of pineapple 428.12 q/ha and days to flowering after treatment 40.28 with Application of **TO1:** 25 ppm Ethephone in combination with 2 % urea and 0.04 % $CaCO_3$ in compression to **TO2:** Application of 10 ppm NAA and Farmer Practice (use of Ethrel 25 ppm) with average fruit yield of pineapple 398.4 q/ha and 404.25 q/ha., respectively . This treatment (TO_2) recorded higher BC ratio (2.52) than the other treatments.

OFT : 7 (Horticulture) ATMA Funded 2021

1.	Title of On farm Trial	**Effect of intercropping on growth and yield characters of okra + Cowpea.**
2.	Problem diagnosed	Low yield of okra and cowpea from per unit area at farmers field. However, farmers are difficulties faced during production of sole crop as okra on so many insect pest damaged of crop. The BC ratio of very low from sole crop.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** (Okra as sole crop). **TO_1 :** Okra +Cowpea (1:1) at 75 cm spacing. **TO_2 :** Okra +Cowpea (1:2) at 90cm spacing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi
5.	Production system and thematic area	Vegetable production system, Yield Increment
6.	Performance of the Technology with performance indicators	**A. Technological observations:** Days to 50% flowering , No. of fruit/pod per plant, Days to first fruit harvest, Avg. fruit weight (g), Fruit Yield (q/ha), Soil testing **B. Economical observations:** Cost , Net return (Rs), B:C ratio
7.	Final recommendation for micro level situation	TO2 Okra +Cowpea (1:2) at 90cm spacing is maximum production in comparison to others and small and marginal farmers are adopt the technology.
8.	Constraints identified and feedback for research	Farmer say that it can reduced the risk of crop damage or total crop failure as compare to sole crop.
9.	Process of farmers participation and their reaction	Training , group meeting and gosthi.

Inter cropping of Okra+ Cowpea for high income per unit area.

A. Table – Effect of intercropping on growth and yield characters of okra + Cowpea.

Treatment	days to 50 % flowering		No of Fruit/Pod/plant		Days to first fruit harvest		Average fruit weight (g)		Fruit yield (q/ha)	
	Okra	Cowpea	Okra	Cowpea	Okra	Cowpea	Okra	Cowpea	Okra	Cowpea
Farmers Practice (Okra as sole crop).	53.23	-	14.32	-	47.38	-	14.22	-	116.28	-
TO1: Okra +Cowpea (1:1) at 75 cm spacing.	56.43	54.23	11.12	13.26	51.67	47.88	13.14	8.6	86.29	69.56
TO2: Okra +Cowpea (1:2) at 90cm spacing	58.32	56.53	12.44	12.18	49.52	46.22	14.57	9.2	76.90	80.66

B. Economics analysis of Inter cropping of Okra+ Cowpea in farmer's field.

Treatment	Grass cost Rs.	Grass return Rs		Net Profit Rs	BCR
		Okra	Cowpea		
Farmers Practice (Okra as sole crop).	**38500**	93024	0	54524	2.42
TO1: Okra +Cowpea (1:1) at 75 cm spacing.	**43500**	69032	83472	109004	3.51
TO2: Okra +Cowpea (1:2) at 90cm spacing	**43500**	61520	96792	114812	3.64

Result: Assessment and performance of Okra + Cow pea Inter cropping at ten farmers field during Feb 2021. From the results obtained, it can be concluded that it is advantageous to intercrop okra with cowpea. The study indicates that sole okra produced higher fruit yield with Farmer Practice (116.28 q/ha) while okra intercropped with cowpea at closer spacing produced a higher number of fruits per plant TO1 (13.26). Regarding yield parameters, positive performance for most of the characters were recorded in sole cropping of okra . In case of inter cropping of okra + cow pea with closer spacing TO1 were found that fruit yield (86.29 + 69.56) while TO2 maximum average fruit weight (g) of okra + cow pea and wider spacing at 90 cm (14.57 + 9.2) with highest yield recorded in cow pea (88.66 q/ha.) This treatment (TO_2) recorded higher BC ratio (3.64) than the other treatments.

OFT : 8 (Entomology) 2021

1.	Title of On farm Trial	Management of Fall Army worm *Spodoptera frugiperda* in maize.
2.	Problem diagnosed	Fall Army worm *Spodoptera frugiperda* is the most dreaded invasive insect pest associated with maize. It causes heavy losses up to 80 percent. Some times their infestation level is so high that farmers don't get return even whatever they spend on seeds. Therefore it is needed for management of Fall Army worm.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers practice:** (Whorl application of Carbofuran 3G @ 20 kg/h) **TO_1- i.** Application of Sand (After whorl formation and at 5 % damage symptom appearance). **ii**. Spraying of Emamectin benzoate 5SG @ 0.4g/l of water at 5days of application of sand **iii.** Spraying of Thiomethoxame 12.6 % + Lamdacyhalothrin 9.5 % @ 0.5 ml/l at 15 days after 1st spray. **TO_2- i.** Application of Soil (After whorl formation and at 5 % damage symptom appearance). **ii.** Spraying of Fipronil 5 Sc @ 1 ml/l of water at 5 days of application of Soil. **iii**. Spraying of Spinosad @ 0.2 ml/l at 15 days of 1st spray.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Rice-Maize cropping system, IPM
6.	Performance of the Technology with performance indicators	• **Technological observations:** Observation will be taken for no. of larvae/damaged leaves/no. of holes at 5 spots in each plot of 10 randomly selected, plants (Incidence %), Yield (q/ha) • **Economic indicators:** Cost of cultivation(Rs.) , Net return (Rs.) ,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	PRA, group discussion and training etc.

Result : Awaited

OFT : 9 (Entomology) 2021

10.	**Title of the OFT**	Efficacy of different combination of fungicide for controlling root and stem rot of cucurbits (Bottle gourd).
11.	**Problem diagnosed**	The farmers face 40 to 45 % yield losses and low profitability in Cucurbits cultivation due to root and stem rot.
12.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	**Farmer Practice:** Spray of Mancozeb (Indofil M45) @ 3 gm/l **TO_1 :** Copper oxychloride @ 3 gm/L + Validamycine @ 2ml/L with soil drenching **TO_2 :** Kashugamycine @ 2 ml/ L + (mancozeb 63% +carbendazim 12%) @ 2 gm/L (Poison painting and spray also at 20 days interval
13.	**Source of Technology (ICAR/ AICRP /SAU/ Other, please specify):**	IIVR, Varansi
14.	Production system and thematic area	Vegetable Farming System and IDM
15.	Performance of the Technology with performance indicators	**A. Technological observations:** Disease appearance (days) ,Infected leaf/plant, Per cent infestation, Mortality (%), Yield (q/ha), Soil testing report **B. Economical observations:** Cost, Net return (Rs), B:C ratio
16.	Final recommendation for micro level situation	
17.	Constraints identified and feedback for research	
18.	Process of farmers participation and their reaction	PRA, group discussion and training, choupal etc.

Result : Awaited

OFT – 10 (Horticulture) 2021

1.	Title of On farm Trial	**Assessment of proper doses of Paclobutrazol in mitigating irregular bearing in mango.**
2.	Problem diagnosed	The farmers face the problem of alternate or irregular bearing generally signifies the tendency of mango trees to bear a heavy crop in one year (On year) and very little or no crop in the succeeding year (Off year)
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** No use of hormones. **TO_1 :** Appl*ication of Paclobutrazol @ 1.0g a.i./m* effective canopy *(20- 30g/plant) in soil* **TO_2 :** Application *of Paclobutrazol* @ 1.5g a.i./metre effective canopy (30- 45g) *in soil*
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR and ICAR-CIHS
5.	Production system and thematic area	Orchard management, Plant Growth Regulator
6.	Performance of the Technology with performance indicators	**Technological observations:** Days to 50 % flowering from treatments, No of fruit/plant, Per fruit weight (gm), Average fruit yield (kg/plant), Average fruit yield (q/ha.) **Economical observations:** Cost, Net return (Rs), 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	Training , group meeting and gosthi.

Result : Awaited

OFT – 11 (Agricultural Engineering) 2021

1.	Title of On farm Trial	**Assessment of performance of brush cutter cum weeder in maize**
2.	Problem diagnosed	Inter culturing of maize is costly and strenuous
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice:** Weeding by wheel hoe **TO_1** : Weeding by grubber **TO_2 :** Weeding by brush cutter cum weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCAU, Pusa, Samastipur
5.	Production system and thematic area	Rice-maize and Farm Mechanization
6.	Performance of the Technology with performance indicators	**Technological observations:** Field capacity (ha/h), Field efficiency (%), Weeding efficiency (%) **Economical observations:** Cost (Rs/ha)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training, group meeting and gosthi.

Result : Awaited

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	Entomology	Integrated Pest Management	02	10	01
			02	10	01
		Integrated Disease Management	02	10	01
2	Horticulture	Plant Growth Regulator	02	08	02
			02	10	02
		Yield Increment	02	10	01
3	Agricultural Engineering	Farm Mechanization	02	06	01

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									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
2020-21															
1.	Wheat	Varietal	HD 2967	05	05	2	0	0	0	8	4	10	4	14	
2.	Maize	IPM	Seed treatment	04	04	0	0	0	0	20	0	20	0	20	
3.	Wheat (Harvest plus)	Varietal	BHU 25	0	0.9	0	0	1	0	1	1	2	1	3	
4.			BHU 31	0	0.9	0	0	0	0	2	0	2	0	2	
2021 and 2021-22															
5.	Pointed Gourd	IPM	Pheromone Trap	08	08	4	0	0	0	15	1	19	1	20	
6.	Jute	Varietal	JRO 204	04	04	0	0	0	0	10	0	10	0	10	
7.	Pineapple	Weed Manag.	Herbicide	01	01	0	0	1	1	7	1	8	2	10	
8.	Paddy	Varietal	Sabour Shree	04	04	0	0	0	0	10	0	10	0	10	
9.	Guava (Summer) (ATMA)	IPM	Pheromone Trap	08	08	5	0	0	0	15	0	20	0	20	
10.	Guava (Kharif)	IPM	Pheromone Trap	10	10	4	0	0	0	16	5	20	5	25	
11.	Turmeric	Varietal	Rajendra Sonia	0.5	0.5	0	0	0	0	3	0	3	0	3	
12.	Makhana	Varietal	Sabour Makhana -1	20	20	0	1	0	1	12	6	12	8	20	
13.	Mustard	Varietal	RH-725	0	1.60	0	0	0	0	4	0	4	0	4	
14.	Wheat (Harvest plus)	Varietal	PBW 1 Zn (Bio-fortified)	0	1	0	0	0	0	0	4	0	4	4	
15.			BHU 25 (Bio-fortified)	0	1	0	1	0	0	0	3	1	3	4	
16.			BHU 31 (Bio-fortified)	0	1	0	0	0	0	0	4	0	4	4	

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Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
Rabi 2020-21															
1.	Maize	Crop Management	Raised Bed	72	**72**	24	10	0	0	311	15	335	25	**360**	
2.	Wheat	Crop Management	Raised Bed	10	**10**	3	2	0	0	22	3	25	5	**30**	
3.	Wheat	Crop Management	Zero Tillage	10	**10**	2	3	0	0	18	6	20	9	**29**	
4.	Mustard	Crop Management	Raised bed	8	**10**	4	1	0	0	13	7	17	8	**25**	
Summer 2021															
5.	Green Gram	Crop Management	Zero Tillage	20	**20**	8	3	0	0	42	3	50	6	**56**	
6.	Sesbania	Soil Fertility Management	Green Manuaring	80	**80**	20	5	0	0	217	9	237	14	**251**	
Kharif 2021															
7.	Paddy	Integrated Crop Management	DSR/Transplanting	100	**100**	25	3	0	0	217	10	242	13	**255**	
8.	Paddy	Integrated Crop Management	Alternate wetting and draying (AWD)	24	**24**	11	2	0	0	43	4	54	6	**60**	
9.	Paddy	Integrated Crop Management	Water Harvesting and Field Bunding in rice	24	**24**	0	0	0	0	48	12	48	12	**60**	
10.	Paddy	Integrated Crop Management	Nutrient Expert Based Nutrient Management/INM	16	**16**	3	3	0	0	32	2	35	5	**40**	
11.	Ginger & Bitter Gourd	Integrated Crop Management	Intercropping	6	**06**	3	2	0	0	6	4	9	6	**15**	
Rabi 2021-22															
12.	Maize	Integrated Crop Management	Raised bed	100	**100**	31	13	0	0	415	41	446	54	**500**	
13.	Wheat	Integrated Crop Management	Raised bed	12	**12**	0	2	0	0	21	7	21	9	**30**	
14.	Wheat	Integrated Crop Management	Zero Tillage	12	**12**	4	2	0	0	16	8	20	10	**30**	
15.	Wheat	Integrated Crop Management	Nutrient expert	8	**08**	1	4	0	0	13	2	14	6	**20**	
16.	Mustard	Integrated Crop Management	Raised bed	8	**08**	2	0	0	0	17	1	19	1	**20**	
17.	Potato	Integrated Crop Management	Raised bed	1.2	**1.2**	2	0	0	0	9	0	11	0	**11**	

Details of farming situation

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					
2020-21											
Wheat	Rabi	Irrigated	Sandy Loam	318.89	24.64	120.81	Paddy	20-26.11.2020	02-06.04.2021	0.5	02
Maize	Rabi	Irrigated	Sandy Loam	322.14	24.45	122.28	Paddy	15-20.12.2020	05-07.06.2021	360	25
Wheat (Harvest plus)	Rabi	Irrigated	Sandy Loam	316.36	20.19	129.39	Paddy	15-20.12.2020	26-30.04.2021	0.5	02
	Rabi	Irrigated	Sandy Loam	318.42	21.90	126.92	Paddy	15-20.12.2020	26-30.04.2021	0.5	02
2021											
Pointed Gourd	Summer	Irrigated	Sandy Loam	317.25	21.48	125.35	-	16-21.10.2020	10-15.08.2021	1515	114
Jute	Summer	Irrigated	Sandy Loam	322.25	20.15	129.21	Mustard	27-28.03.2021	05-07.08.2021	0.5	02
Pineapple	Kharif	Irrigated	Sandy Loam	330.90	22.04	128.76	Maize	15-31.05.2020	10-25.11.2021	2868	275
Paddy	Kharif	Irrigated	Sandy Loam	319.35	20.09	130.24	Dhaincha	11-14/06/2021	04-10/11/2021	1420	119
Guava (Summer) (ATMA)	Summer	Irrigated	Sandy Loam	312.23	19.09	125.66	Guava	July 2016, 2015 and 2017	April to may 2021	140	24
Guava (Kharif)	Kharif	Irrigated	Sandy Loam	311.14	17.88	123,71	Guava	July 2016, 2015 and 2017	Oct-Dec-2021	1423	120
Turmeric	Summer	Irrigated	Sandy Loam	316.23	19.00	127.98	Wheat	April-2021	Dec-2021	1563	143
Makhana	Rabi	Irrigated	Sandy Loam	312.23	12.01	118.67	Makhana	Jan-21	Sept-21	1537	134
Result Awaited 2021-22 (Rabi)											
Mustard	Rabi	Irrigated	Sandy Loam	317.25	22.58	129.31	Paddy	22.11.2021	Crop is standing	-	-
Wheat (Harvest plus)	Rabi	Irrigated	Sandy Loam	316.58	21.20	128.60	Paddy	09-10.12.2021	Crop is standing	-	-
	Rabi	Irrigated	Sandy Loam	321.65	23.21	127.31	Paddy			-	-
	Rabi	Irrigated	Sandy Loam	320.26	20.48	125.32	Paddy				

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Crop	Season	Farming situation (RF/ Irrig...)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy
				N	P_2O_5	K_2O					
Rabi 2020-21											
Maize	Rabi	Irrigated	Sandy Loam	180	30	96	Paddy	15/11/2020-30/11/2020	25/4/2021-10/5/2021	146.5	26
Wheat	Rabi	Irrigated	Sandy Loam	270	39	120	Paddy	30/11/2020-6/12/2020	1/4/2021-6/4/2021	6.2	3
Wheat	Rabi	Irrigated	Sandy Loam	250	40	130	Paddy	30/11/2020-6/12/2020	1/4/2021-6/4/2021	6.2	3
Mustard	Rabi	Irrigated	Sandy Loam	160	35	124	Paddy	20/11/2020/ -25/11/2020	16/3/2021-20/3/2021	6.2	3
Summer 2021											
Green Gram	Summer	Irrigated	Sandy Loam	160	30	140	Paddy	6/4/2021-10/4/2021	22/07/2021-26/07/2021	991	77
Sesbania	Summer	Irrigated	Sandy Loam	250	50	96	Paddy	24/5/2021-30/5/2021	July 2021	991	77
Kharif 2021											
Paddy	Kharif	Irrigated	Sandy Loam	350	50	130	Sesbania	10/6/2021-20/6/2021	6/11/2021-12/11/2021	1420.7	119
Paddy	Kharif	Irrigated	Sandy Loam	350	50	150	Sesbania	10/6/2021-20/6/2021	6/11/2021-12/11/2021	1420.7	119
Paddy	Kharif	Irrigated	Sandy Loam	350	50	130	Sesbania	10/6/2021-20/6/2021	6/11/2021-12/11/2021	1420.7	119
Paddy	Kharif	Irrigated	Sandy Loam	350	50	130	Sesbania	10/6/2021-20/6/2021	6/11/2021-12/11/2021	1420.7	119
Ginger & Bitter Gourd	Summer/Kahrif	Irrigated	Sandy Loam	260	40	130	Wheat	5/5/2021-25/5/2021	15/7/2021-30/9/2021	1536.9	133
Rabi 2021-22											
Maize	Rabi	Irrigated	Sandy Loam	260	30	126	Paddy	30/11/2021-10/12/2021	Crop is standing	-	-
Wheat	Rabi	Irrigated	Sandy Loam	250	40	130	Paddy	2/12/2021-10/12/2021	Crop is standing	-	-
Wheat	Rabi	Irrigated	Sandy Loam	250	40	130	Paddy	2/12/2021-10/12/2021	Crop is standing	-	-
Wheat	Rabi	Irrigated	Sandy Loam	250	40	130	Paddy	2/12/2021-10/12/2021	Crop is standing	-	-
Mustard	Rabi	Irrigated	Sandy Loam	260	50	160	Paddy	20/11/2021-25/11/2021	Crop is standing	-	-
Potato	Rabi	Irrigated	Sandy Loam	268	40	130	Paddy	6/11/2021-10/11/2021	Crop is standing	-	-

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

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

Others 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**
2020																	
Wheat	Varietal	HD 2967	14	05	27.07	22.40	20.84	-	-	25000	50079	25079	2.0	22000	41440	19440	1.88
Maize	IPM	Seed treatment	20	04	72.70	65.50	10.99	-	-	55000	109050	54050	1.98	54000	98250	44250	1.81
Wheat (Harvest plus)	Varietal	BHU 25	3	0.9	28.22	24.20	16.61	-	-	32000	50796	18796	1.58	30000	43560	13560	1.45
		BHU 31	2	0.9	30.70	24.20	26.44			32000	55080	23080	1.71	30000	43560	13560	1.45
2021																	
Pointed Gourd	IPM	Pheromone Trap	20	08	95	75	26.66			90000	190000	100000	2.11	80000	150000	70000	1.87
Jute	Varietal	JRO 204	10	04	22.93	19.80	15.80			54200	137580	83380	2.54	54000	118800	64800	2.20

Pineapple	Weed Mangament	Post Emergence	10	01	448	380	17.84			255000	537600	282600	2.10	250000	456000	206000	1.82
Paddy	Varietal	Sabour Shree	10	04	34.33	30.50	12.55			35500	63854	28354	1.80	33500	56730	23230	1.69
Guava (Summer) (ATMA)	IPM	Pheromone Trap	20	08	244.00	202.00	20.79			130000	366000	236000	2.81	125000	303000	178000	2.42
Guava (Kharif)	IPM	Pheromone Trap	25	10	218.70	190.00	15.10			130000	328050	198050	2.52	125000	285000	160000	2.28
Turmeric	Varietal	R. Sonia	05	-	228	178	28.08			120000	456000	336000	3.8	120000	356000	236000	2.96
Makhana	Varietal	Sabour Makhana-1	20	20	31.23	22.22	40.54			125000	484065	359065	3.87	125000	344441	219414	2.75
Result Awaited 2021-22																	
Mustard	Varietal	RH-725	04	1.60	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat (Harvest plus)	Varietal	PBW 1 Zn (Bio-fortified)	04	01	-	-	-	-	-	-	-	-	-	-	-	-	-
		BHU 25 (Bio-fortified)	04	01	-	-	-	-	-	-	-	-	-	-	-	-	-
		BHU 31 (Bio-fortified)	04	01	-	-	-	-	-	-	-	-	-	-	-	-	-

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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**
Rabi 2020-21																	
Maize	RCT	Raised Bed	360	72	90	81.37	10.61	-	-	65000	135000	70000	2.08	70000	122055	52055	1.74
Wheat	RCT	Raised Bed	30	10	28.6	22.4	27.68	-	-	36500	51480	14980	1.41	38000	40320	2320	1.06
Wheat	RCT	Zero Tillage	29	10	27.8	23.8	16.81	-	-	35500	50040	14540	1.41	38000	42840	4840	1.13
Mustard	RCT	Raised bed	25	10	7.9	6.5	21.54	-	-	21500	30020	8520	1.40	20500	24700	4200	1.20
Summer 2021																	
Green Gram	RCT	Zero Tillage	56	20	8.4	6.2	35.48	-	-	28548	46248	17700	1.62	26129	34229	8100	1.31

Sesbania	Green Manuaring	Organic Manuaring	251	80	-	-	-	-	-	-	-	-	-	-	-	-	
Kharif 2021																	
Paddy	RCT	DSR/Transplanting	255	100	35.6	28.3	25.80	-	-	31500	51620	20120	1.64	34500	41035	6535	1.19
Paddy	RCT	Alternate wetting and draying (AWD)	60	24	34.6	27.2	27.21	-	-	33000	50170	17170	1.52	34500	39440	4940	1.14
Paddy	RCT	Water Harvesting and Field Bunding in rice	60	24	30.8	26	18.46	-	-	33000	44660	11660	1.35	35000	37700	2700	1.08
Paddy	RCT	Nutrient expert based nutrient management/INM	40	16	31.8	26.8	18.66	-	-	32500	46110	13610	1.42	34500	38860	4360	1.13
Ginger & Bitter Gourd	CM	Intercropping	15	6	200+85	180	58.34	-	-	188000	502000	314000	2.67	180000	360000	180000	2
Rabi 2021-22 Result Awaited																	
Maize	RCT	Raised bed	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	RCT	Raised bed	30	12	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	RCT	Zero Tillage	30	12	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	RCT	Nutrient expert	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Mustard	RCT	Raised bed	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-
Potato	RCT	Raised bed	11	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-

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.)			
					Demons Ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	

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.)			
					Demons Ration	Check		Demons Ration	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			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Nutritional garden																
Cereals and pulses																
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					
Pregnant women					
Children					
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)**		
					Demons Ration	**Check**		**Demo**	**Check**	**Reduction**	**Demo**	**Check**	**Reduction**
Manual Fertilizer Broadcaster	Wheat	Fertilizer Broadcasting	10	04	1.09	0.796	36.93	0.157	0.1146	0.0424	365	502	137

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

**** BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

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										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy (Varietal)	The variety of paddy is timely mature and high yielding with resistant to BLB in medium land situation.
2	Wheat (Varietal)	The high yielding variety of wheat in timely sown condition and heat tolerant in medium land situation.
3	Wheat (Zero Tillage)	Farmer community accept the technology for early harvesting, reduce the cost of cultivation and ready to included one more crop in cropping system.
4	Jute (Varietal)	The variety JRO-204 is accepted in farmer's community due to high yield and good fiber quality.
5	Guava (Pheromone Trap)	Insect Pest management of fruit fly through Pheromone Trap and produced good quality of fruit of guava.
6	Raise Bed Maize	Farmer community accept the technology for line sowing of maize on Bed with reduce the cost of cultivation and easy to others agronomical practice in field.

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	13.02.2021	1	52	Field day on oilseed
		02.03.2021	1	120	Field day under CRA Programme
		25.10.2021	1	30	Field day under CRA Programme on Paddy
		27.10.2021	1	28	Field day under CRA Programme on Paddy
2.	Farmers Training	03.03.2021	1	25	Training off campus
		19.03.2021	1	25	Training off campus
		20.03.2021	1	25	Training off campus
		21.03.2021	1	25	Training off campus
		03.04.2021	1	25	Training off campus
		04.05.2021 to 05.05.2021	1	31	Virtual Training
		07.05.2021 to 08.05.2021	1	29	Virtual Training
		28.06.2021	1	25	Training off campus
		19.07.2021 to 20.07.2021	1	25	On Campus training
		16.08.2021	1	25	Training off campus
		17.08.2021	1	25	Training off campus
		04.09.2021	1	27	Training off campus
		05.10.2021	1	20	Training off campus
		26.10.2021	1	26	Training off campus
		08.11.2021	1	20	Training off campus
		25.11.2021	1	50	Training off campus
		26.11.2021 to 27.11.2021	1	25	Training off campus
		27.11.2021	1	50	Training off campus
		13.12.2021 to 14.12.2021	1	25	On Campus training
		18.12.2021	1	25	Training off campus
3.	Media coverage	Jan to Dec, 2021	15	Mass	Technology based, extension activities, advisory service and success story of farmer
4.	Training for extension functionaries	June, 2021 and Octo, 2021	02	120	During Kharif and Rabi Abhiyan

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

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 Rabi 2020-21	Local	6.1	796	827	1500	Improved variety seed R. Suflam, Micronutrient (Sulpher, Boron), Insecticide	75	30	9.87	7.25	8.16	2.51	1.33	45.60
2	Green Gram Summer 2021	Local	3.0	539	578	1000	IPM 2-14, Weed management, Micronutrient, Bio-Fertilizer	75	30	6.75	3.0	4.9	9.09	15.22	57.0
3	Mustard Rabi 2021-22	Local	6.1	796	827	1500	Improved variety seed R. Suflam, Micronutrient (Sulpher, Boron), Herbicide, Insecticide, Bio-Fertilizer	75	30	-	-	-	-	-	-

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Improved variety seed R. Suflam, Micronutrient (Sulpher, Boron), Insecticide	14500	24400	9900	1.68	16600	32640	16040	1.96
2	IPM 2-14, Weed management, Micronutrient, Bio-Fertilizer	12000	18000	6000	1.5	15000	29400	14400	1.96

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/K)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1	Mustard, R. Suflam	326	244.50	40	81.5	0	Family expense	12
2	Green gram, IPM 2-14	196	147	60	49	0	Family expense	16

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Improved variety seed R. Suflam, Micronutrient (Sulpher, Boron), Insecticide	Yes	Farmers linkage variety	70 %	No	Yes acceptable for village	Timely sowing give better production result
2	IPM 2-14, Weed management, Micronutrient, Bio-Fertilizer	Yes	Farmers linkage variety	65%	No	Yes acceptable for village	Timely sowing give better production result

E. Specific Characteristics of Technology and Performance

Mustard (R. Suflam)

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
1. Plant Height	155 – 160 cm	100-105	Higher yield in comparison to local seed
2. No. of Plant /m^2	24	18	
3. No. of seed / Pod	15	7	
4. Seed Wt.	7g/1000 seed	4	

Green gram (IPM 2-14)

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
1. Plant Height at 60 DAS	57 cm	45 cm	Higher yield in comparison to local seed
2. No. of branches/Plant	21	17	
3. No. of Pods/plant	22.10	16.15	
4. Seed Wt.	32g/1000 seed	25g/1000 seed	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmers attended
Mustard (R. Suflam) 2020-21			
1	Training	13.11.2020, Purandaha	40
2	Training	28.11.2020, Purandaha	35
3	Field Day	13.02.2021, Purandaha	52
Green gram (IPM 2-14)			
4	Training	19.03.2021, Maheshbathna	25
5	Training	20.03.2021, Chapati	25
6	Training	21.03.2021, Bangama	25
Mustard (R. Suflam) 2021-22			
	Training	25.11.2021, Balia	50
	Training	27.11.2021, Balia	50

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

C. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard Rabi 2020-21	i) Critical input	323576	215016	-19579
	ii) TA/DA/POL etc. for monitoring	35953	8342	39221
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
Total		**359529**	**223358**	**19642**
Green gram Summer 2021	i) Critical input	67343	126375	-74535
	ii) TA/DA/POL etc. for monitoring	7482	12259	-6499
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
Total		**74825**	**138634**	**-81034**
Mustard Rabi 2021-22	i) Critical input	14966	213000	-198034
	ii) TA/DA/POL etc. for monitoring		4725	-4725
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**14966**	**217725**	**-202759**

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	1	2	18	20		6	6			0	2	24	26
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	1	25	0	25	1	0	1	0	0	0	26	0	26
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of low volume and high value crops	1	7	2	9	9	7	16	0	0	0	16	9	25
Off-season vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (ICM)	2	30	0	30	5	1	6	6	0	6	41	1	42
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	3	62	0	62	5	1	6	1	0	1	68	1	69
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any(INM)	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Livestock Production and Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairy Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any Goat farming	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
nutrient efficiency diet													
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
VI. Agril. Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	1	11	10	21	4	5	9	0	0	0	15	15	30
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 (Bio-Control)	-	-	-	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection													
Integrated Pest Management	5	85	5	90	28	22	50	0	0	0	113	27	140
Integrated Disease Management													
Bio-control of pests and diseases	2	42	5	47	5	2	7	0	0	0	47	7	54
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Mushroom Production)	1	31	9	40	0		0	0	0	0	31	9	40
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	-	-	-	-	-	-	-	-	-	-	-	-	-

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
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	**17**	**295**	**49**	**344**	**57**	**44**	**101**	**7**	**0**	**7**	**359**	**93**	**452**

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	2	28	19	47	0	3	3	0	0	0	28	13	25
Bee-keeping	1	6	17	23	0	2	2	0	0	0	6	19	25
Integrated farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	1	14	10	24	2	1	3	4	-	4	20	11	31
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	3	43	51	94	1	1	2	3	3	6	47	55	102
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	-	-	-	-	-	-	-	-	-	-	-	-	-
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	**7**	**91**	**97**	**188**	**3**	**7**	**10**	**7**	**3**	**10**	**101**	**98**	**183**

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	21	0	21	3	0	3	0	0	0	24	0	24
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**1**	**21**	**0**	**21**	**3**	**0**	**3**	**0**	**0**	**0**	**24**	**0**	**24**

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	1	22	0	22	0	0	0	0	0	0	22	0	22
Resource Conservation Technologies	3	59	8	67	9	1	10	0	0	0	68	9	77
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	5	100	5	105	24	0	24	0	0	0	124	5	129
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	10	177	6	273	12	18	30	0	0	0	189	114	303
Fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, (cultivation of crops)	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Horticulture	-	-	-	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Skill development	-	-	-	-	-	-	-	-	-	-	-	-	-
Yield increment	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of low volume and high value crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Cultivation of Vegetable)	5	36	12	48	59	16	75	0	0	0	95	28	123
Training and Pruning	-	-	-	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any(INM)	-	-	-	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	6	130	4	134	10	1	11	0	0	0	140	5	145
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Livestock Production and Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairy Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any Goat farming	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
VI. Agril. Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	1	31	1	32	0	0	0	0	0	0	31	1	32
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	11	213	55	268	3	0	3	0	0	0	216	55	271
Integrated Disease Management	3	58	11	69	7	1	8	0	0	0	65	12	77
Bio-control of pests and diseases													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Beekeeping)	1	10	5	15	12	13	25	0	0	0	22	18	40
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 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	-	-	-	-	-	-	-	-	-	-	-	-	-

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 technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-	-	-	-
XII. Others (Pl. Specify)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**46**	**836**	**107**	**1033**	**136**	**50**	**186**	**0**	**0**	**0**	**972**	**247**	**1219**

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 System													
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-	-	-	-	-	-
Para extension workers (AI)	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-

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
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 (Resource Conservation Technologies)	1	18	0	18	6	0	6	0	0	0	24	0	24
TOTAL	**1**	**18**	**0**	**18**	**6**	**0**	**6**	**0**	**0**	**0**	**24**	**0**	**24**

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	1	21	0	21	4	0	4	0	0	0	25	0	25
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	1	2	16	18	2	5	7	0	0	0	4	21	25
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop intensification	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	**2**	**23**	**16**	**39**	**6**	**5**	**11**	**0**	**0**	**0**	**29**	**21**	**50**

G) Consolidated table (ON and OFF Campus)

A) 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	1	22	0	22	0	0	0	0	0	0	22	0	22
Resource Conservation Technologies	3	59	8	67	9	1	10	0	0	0	68	9	77
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	6	102	23	125	24	6	30	0	0	0	126	29	155
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	10	177	6	273	12	18	30	0	0	0	189	114	303
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**20**	**360**	**37**	**487**	**45**	**25**	**70**	**0**	**0**	**0**	**405**	**152**	**557**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	25	0	25	1	0	1	0	0	0	26	0	26
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	1	7	2	9	9	7	16	0	0	0	16	9	25
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	7	66	12	78	64	17	81	6	0	6	136	29	165
Others, if any (Cultivation of Vegetable)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**9**	**98**	**14**	**112**	**74**	**24**	**98**	**6**	**0**	**6**	**178**	**38**	**216**

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
b) Fruits													
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	3	62	0	62	5	1	6	1	0	1	68	1	69
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**62**	**0**	**62**	**5**	**1**	**6**	**1**	**0**	**1**	**68**	**1**	**69**
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	6	130	4	134	10	1	11	0	0	0	140	5	145
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**6**	**130**	**4**	**134**	**10**	**1**	**11**	**0**	**0**	**0**	**140**	**5**	**145**
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Goat farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0

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
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	42	11	53	4	5	9	0	0	0	46	16	62
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**2**	**42**	**11**	**53**	**4**	**5**	**9**	**0**	**0**	**0**	**46**	**16**	**62**
VII. Plant Protection													
Integrated Pest Management	16	298	60	358	31	22	53	0	0	0	329	82	411
Integrated Disease Management	3	58	11	69	7	1	8	0	0	0	65	12	77
Bio-control of pests and diseases	2	42	5	47	5	2	7	0	0	0	47	7	54
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0

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
Others, if any	2	41	14	55	12	13	25	0	0	0	53	27	80
TOTAL	**23**	**439**	**90**	**529**	**55**	**38**	**93**	**0**	**0**	**0**	**494**	**128**	**622**
VIII. Fisheries													
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0

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
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL													
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. specify)													
TOTAL	**63**	**1131**	**156**	**1377**	**193**	**94**	**287**	**7**	**0**	**7**	**1331**	**340**	**1671**

B) 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	2	28	19	47	0	3	3	0	0	0	28	13	25
Bee-keeping	1	6	17	23	0	2	2	0	0	0	6	19	25
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	1	14	10	24	2	1	3	4	0	4	20	11	31
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	3	43	51	94	1	1	2	3	3	6	47	55	102
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Resource Conservation Technologies)	1	18	0	18	6	0	6	0	0	0	24	0	24
TOTAL	**8**	**109**	**97**	**206**	**9**	**7**	**16**	**7**	**3**	**10**	**125**	**98**	**207**

C) 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	1	21	0	21	4	0	4	0	0	0	25	0	25
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	1	21	0	21	3	0	3	0	0	0	24	0	24
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	1	2	16	18	2	5	7	0	0	0	4	21	25
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**44**	**16**	**60**	**9**	**5**	**14**	**0**	**0**	**0**	**53**	**21**	**74**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Ag. Engg	PF	Use and importance of organic fertilizer & Bio-pesticides	2	On	17	2	19	4	2	6
	PF	Installation and operation of micro irrigation system	3	On	11	10	21	4	5	9
	PF	Zero tillage sowing of green gram	1	Off	12	6	18	6	1	7
	PF	Importance of Micro Irrigation & Its maintanance	2	Online	31	1	32	0	0	0
	PF	DSR	2	Online	33	2	35	0	0	0
	PF	Irrigation management in paddy	1	Off	23	0	23	2	0	2
	PF	AWD in paddy	1	Off	20	0	20	9	0	9
	PF	Field Bunding & AWD in paddy	1	Off	9	4	13	12	0	12
	PF	Wheat cultivation through Zero tillage machine	1	Off	24		24	2	0	2
	PF	Cultivation of Wheat through Zero Tillage	1	Off	23	2	25	1	0	1
	PF	Raised Bed cultivation of Wheat	2	Off	24		24	1	0	1
	PF	Raised Bed cultivation of Maize	2	Off	24	1	25	0	0	0
	PF	Water conservation, use and important	1	On	2	18	20	0	6	6
	RY	Use of ZT machine for wheat cultivation	2	Off	18		18	6	0	6
	EF	Drip Irrigation System	2	Off	21		21	4	0	4
Horticulture	PF	Irrigation scheduling in wheat	2	On	25	0	25	1	0	1
	PF	Scientific cultivation of summer vegetables	3	On	7	2	9	9	7	16
	PF	Production management of Guava orchard	2	On	29	0	29	0	0	0
	PF	Paddy cultivation	1	off	6	2	8	8	9	17

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
	PF	Scientistfic cultivation of dragon fruit/Pineapple	2	ON	18		18	0	0	0
	RY	Scientistfic cultivation of dragon fruit	5	ON	39		39	3	0	3
	PF	Scienctific cultivation of Ginger	1	Off	0	2	2	20	2	22
	RY	Organic farming of Dragon Fruit	6	On	14	10	24	6	1	7
	PF	Use of pheromone trap for fruit fly in bitter gourd	1	Off	18	4	22	4	0	4
	RY	Establishment of New orchard and plant production	10	On	0	25	25	1	4	5
	PF	Makhana harvesting and Marketing	3	On	15	0	15	6	1	7
	PF	Scientific cultivation of potato on Raised Bed	1	Off	21	1	22	3	0	3
	RY	Organic farming of Dragon Fruit	10	On	4	26	30	0	0	0
	PF	Cultivation of green and leafy vegetables	1	Off	5	1	6	18	3	21
	PF	Makhana Production Technique	2	On	21		21	3	1	4
	PF	Makhana production and processing technique	2	On	9		9	8	0	8
	PF	Raised Bed Potato cultivation	2	Off	4	6	10	10	2	12
	EF	Nutri-garden for Nutrition Security	2	Off	2	16	18	2	5	7
Plant Protection	PF	Honey Production Technique	2	Off	10	5	15	12	13	25
	PF	Insect Problem & Management in Rabi crops	2	On	25	0	25	0	0	0
	PF	Plant protection measures in Rabi crops	2	On	22	0	22	8	0	8
	PF	Vermicompost Production Technique	2	On	20	5	25	7	8	15

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
	RY	Mushroom Production Technique	7	On	12	10	22	0	3	3
	RY	Beekeeping	15	On	6	17	23	0	2	2
	PF	Insect management in maize	1	Off	6	19	25	0	0	0
	PF	Summer Moong cultivation	1	Off	13	12	25	0	0	0
	PF	Summer Moong cultivation	1	Off	1	25	26	0	0	0
	PF	Summer Moong cultivation	1	Off	8	19	27	0	0	0
	PF	Use and importance of organic fertilizer & Bio-pesticides	2	On	25	3	28	1	0	1
	PF	Insect Pest Managemtn	1	off	12	12	24	2	0	2
	PF	Insect and Pest management of green gram	2	Online	28	3	31	0	0	0
	PF	Insect & Disease Mangement in Jute	2	Online	24	5	29	0	0	0
	PF	Insect and Disease Management of paddy	1	Online	20		20	0	0	0
	PF	Atma Nirbhar Krishi	1	Online	14		14	0	0	0
	PF	Insect and Pest management of kharif crops	2	ON	11	0	11	7	7	14
	PF	Insect and Pest management in Kharif crops	2	On	7		7	6	7	13
	RY	Mushroom Production Technique	10	ON	16	9	25	0	0	0
	PF	IWM in paddy	1	Off	22		22	0	0	0
	PF	IPM in paddy	1	Off	21	4	25	0	0	0
	PF	Management of false smut in Kharif paddy		Off	19	3	22	2	1	3
	PF	IDM in rice	1	Off	20	2	22	5	0	5
	PF	Precausition of during application of chemicals	1	Off	24		24	1	0	1
	PF	Disease management in Banana	2	Off	19	6	25	0	0	0

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
	EF	IPM in paddy	2	On	21		21	3	0	3
	PF	Mustard cultivation on Raised Bed	1	Off	23	1	24	1	0	1
	PF	Scientific cultivation of wheat on Raised Bed	1	Off	7	1	8	4	14	18
	PF	IPM in Maize	1	Off	8	12	20	0	0	0
	PF	Mushroom Production Technique	2	On	31	9	40	0	0	0
	PF	Insect Management in Mustrad	1	Off	20	0	20	0	0	0
	PF	Scientific cultivation of Mustard	1	Off	33	14	47	3	0	3
	PF	scientific vultivation of Mustard	1	Off	21	22	43	3	4	7
	PF	Scientific cultivation of maize	1	Off	24		24	1	0	1
	PF	Insect-pest management in maize	2	Off	25		25	0	0	0
	PF	Aphid management in Mustard	2	Off	25		25	0	0	0
Soil Science	PF	Importance of Soil testing method of soil sample collection	2	Online	22	3	25	0	0	0
	PF	Nutrition management in paddy	1	Online	20		20	0	0	0
	PF	INM in paddy	1	Off	21		21	4	0	4
	PF	Role of Mircor Nutrient	1	Off	23	0	23	2	0	2
	PF	INM in Mustard	2	Off	21	1	22	2	1	3
	PF	Nutient management in wheat through Nutrient Expert	2	Off	23		23	2	0	2

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	No. of units	Number of persons employed	
Mushroom Production	Mushroom Production	Mushroom Production	7	12	13	25	-	-	-	-
Beekping	Beekping	Beekping	15	6	19	25	-	-	-	-
Mushroom Production	Mushroom Production	Mushroom Production	10	16	0	16	-	-	-	-
Organic Farming	Organic Farming	Organic Farming	6	20	11	31	-	-	-	-
Commercial Fruit production	Commercial Fruit production	Commercial Fruit production	10	1	29	30	-	-	-	-
Fruit Production	Fruit Production	Fruit Production	10	4	26	30	-	-	-	-
			58	59	98	157				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl.No	Title	Thematic area	Month	Duration (days)	Client (PF/ RY/ EF)	No. of courses	No. of Participants									Grand Total	Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST		
1.	Organic farming of Dragon Fruit	Organic Farming	Aug	06	RY	1	14	02	04	10	01	0	24	03	04	31	MANAGE
2.	Makhana production technology	Commercial fruit production	March	02	PF	1	14	04	0	04	03	0	18	07	00	25	Makhana Dev. Scheme, GOB
3.	Makhana production technology and value addition	Commercial fruit production	March	02	PF	1	14	0	0	04	07	0	14	11	00	25	Makhana Dev. Scheme, GOB

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)	M	F	T	M	F	T
Field Day	5	263	29	292	11.80	6	2	8	269	31	300
Kisan Mela	4	180	83	263	9.60	9	1	10	189	84	273
Kisan Ghosthi	5	548	63	611	14.22	14	0	14	562	63	625
Exhibition	0	0	0	0	0	0	0	0	0	0	0
Film Show	0	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	0	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
Workshop	2	79	9	50	2.30	0	0	0	79	9	88
Group meetings	0	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	11	820	104	924	18.79	0	0	0	820	104	924
Advisory Services	381	339	44	348	7.6	0	0	0	339	44	383
Scientific visit to farmers field	105	127	24	133	4.20	2	0	2	129	24	153
Farmers visit to KVK	367	366	99	409	14.14	2	0	2	368	99	467
Diagnostic visits	58	55	3	53	4.3	0	0	0	55	3	58
Exposure visits	12	581	158	739	16.20	51	10	61	632	168	800
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Total	**950**	**3358**	**616**	**3530**	**22.23**	**84**	**13**	**97**	**3442**	**629**	**4071**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	53
Radio talks (Virtual)	11
TV talks	00
Popular articles	12
Extension Literature	14
Other, if any (Video Film making under CRA)	01

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	M	F	T	M	F	T
Republic day (26th Jan.)	1	6	1	7	1.20	18	5	23	24	6	30
National Science Day (28th Feb)	1	8	20	28	2.20	3	1	4	11	21	32
International Women's Day (8th Mar.)	1	0	50	50	8.90	3	2	5	3	52	55
World Water Day (22nd March)	1	50	1	51	2.61	3	1	4	53	2	55
World Environment Day (05th June)	1	0	0	0	0.0	10	1	11	10	1	11
International Yoga Day (21st Jun.)	1	0	0	0	0.0	10	1	11	10	1	11
ICAR Foundation Day (Plantation Drive) 16th July	1	45	0	45	6.70	5	1	6	50	1	51
Independence Day (15th Aug.)	1	10	3	13	0.0	14	2	16	24	5	29
Parthenium Awareness Week (16th to 22nd Aug.)	4	48	13	61	1.62	2	1	3	50	14	64
Poshan Vatika Maha Abhiyan & Tree Plantation (17th Sep.)	1	11	99	110	7.11	1	2	3	12	101	113
Gandhi Jayanti (2nd Oct.)	1	15	0	15	0.0	8	2	10	23	2	25
Mahila Kisan Diwas (15th Oct.)	1	0	34	34	2.21	2	3	5	2	37	39
World Food Day (16th Oct.)	1	48	0	48	2.80	2	0	2	50	0	50
Ekta Diwas (31st Oct)	1	19	13	32	1.60	3	1	4	22	14	36
National Constitution Day (26th Nov.)	1	5	1	6	0	11	1	12	16	2	18
World Soil Day (5th Dec.)	1	48	12	60	2.45	7	1	8	55	13	68
Kisan Diwas (23rd Dec.)	1	16	0	16	1.10	7	0	7	23	0	23

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	26.08.2021	Food and Nutrition for Farmers	Hon'ble AM direct Telecast	31	7	-	38
2	17.09.2021	International Year of Millets 2023	Hon'ble AM direct Telecast	100	13	-	113
3	28.09.2021	Farmers Scientists Interface on Climate Resilient Varieties , Technologies and Practices	Hon'ble PM direct Telecast	143	11	1	155
4	16.12.2021	Natural Farming-cum-Kisan Goshthi	Hon'ble PM direct Telecast	332	10	02	344

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	HD 2967 (C/S)	74.0	333000	-	-	-	-
Rai	R. Suflam (TFL)	5.0	57500	-	-	-	-
Paddy	Sabour Shree (C/S)	100.0	370000				
Paddy	Sabour Sampan (F/S)	17.0	68000				
Grand Total		**196**	**5,90,000**	-	-	-	-

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							

Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Dragon fruit cutting	Red cover with red flesh	1800	108000	-	-	-	-
Others, pl.specify							
Total		**1800**	**108000**	**-**	**-**	**-**	**-**

Production of Bio-Products

Name of product	**Quantity Kg**	**Value (Rs.)**	**No. of Farmers benefitted**			
			SC	**ST**	**Other**	**Total**
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents (Vermi Wash)						
Others, please specify. (Vermicompost)	1790	10740	-	-	-	-
Total	**1790**	**10740**	-	-	-	-

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 :	
Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Authors name	Number	Circulation
Research paper				
1.				
Seminar/conference/ symposia papers				
1				
Book/Magazine				
1	Krishak Sandesh, June 2021 Vol. 16 Year -09 ISSN 232010-6950	M. K. Roy, Niraj Prakash & H. K. Singh	200	KVKs
Bulletins				
1				
News letter				
1	Krishak Samachar Jan to March, 2021	M. K. Roy, Niraj Prakash & H. K. Singh	1000	Mass
2	Krishak Samachar April to June, 2021	M. K. Roy, Niraj Prakash & H. K. Singh	1000	Mass
3	Krishak Samachar July to Sept, 2021	M. K. Roy, Niraj Prakash & H. K. Singh	1000	Mass
4	Krishak Samachar October to Dec, 2021	M. K. Roy, Niraj Prakash & H. K. Singh	1000	Mass
Popular Articles				
1	समेकित कीट प्रबंधन द्वारा फसल सुरक्षा, कृषक संदेश, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. – 04–06	नीरज प्रकाश, हेमन्त कुमार सिंह, मनोज कुमार राय, मो0 मिराज, संजीव कुमार, आर0 एन0 सिंह एवं आर0 के0 सोहाने	200	KVKs
2	खरीफ प्याज की खेती, कृषक संदेश, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 07–08	हेमन्त कुमार सिंह, नीरज प्रकाश, मनोज कुमार राय, एस.एस. सोलंकी, आर. के. सिह, आर0 एन0 सिंह एवं आर0 के0 सोहाने	200	KVKs
3	जैविक खाद के द्वारा पादप पोषक तत्वों का प्रबंधन कर लायें उत्तम उत्पादकता, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 14–16	विषुन देव प्रसाद, संगीता सहनी, आर. बी. पी. निराला, आनंद कुमार सुनीता कुमारी, एवं मनोज कुमार राय	200	KVKs
4	मशरूम व्यवसायः स्वरोजगार का उत्तम साधन, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 22–24	दूर्गा प्रसाद, आर0 एन0 सिंह, पंकज कुमार राय एवं हेमन्त कुमार सिंह,	200	KVKs
5	खस की खेती बाढ के लिए वरदान, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 25–26	एम.पी. मंडल एवं मनोज कुमार राय	200	KVKs
6	टमाटर द्वारा स्वास्थ्य संवर्धन एवं प्रतिरक्षा विकास, के.भी. के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 33–34	एस.एस. सोलंकी, मिनाक्षी कुमारी, हेमन्त कुमार सिंह, के.के. सिंह एवं भी बी झा	200	KVKs
7	कीटनाशक का प्रयोग करते समय सावधानियॉ, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 38–40	आर. पी शर्मा एवं नीरज प्रकाष	200	KVKs
8	किसान धान की स्वस्थ और अच्छी पैदावार के लिए करें बीजोपचार, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 45–46	संगीता सहनी, सुनीता कुमारी, विषुन देव प्रसाद, रविकांत एवं मनोज कुमार राय	200	KVKs
9	ड्रेगन फ्रूट, के.भी.के., किशनगंज, जून 2021 अंक 16 वर्ष 09, पी.पी. 47	कृषि विज्ञान केन्द्र, किशनगंज	200	KVKs
10	सरसों के प्रमुख कीट एवं नियंत्रण, के.भी.के., पटना, अक्टूबर, 2021 अंक 20 वर्ष 09, पी.पी. 40–42	मतलूबा नसीम, चंदा कुषवाहा एवं हेमन्त कुमार सिंह	200	KVKs
11	टेरेस (रूफटॉप गार्डेनिंग), के.भी.के., पटना, अक्टूबर, 2021 अंक 20 वर्ष 09, पी.पी. 43–44	हेमन्त कुमार सिंह, मतलूबा नसीम एवं अंजनी कुमार	200	KVKs
Book Chapter				
1	पोषण वाटिका में लगाये जाने वाले फल सब्जियों की सस्य क्रियाए, पोषण वाटिका पोषण सुरक्षा का आधार, के.	हेमन्त कुमार सिंह,	Mass	

	भी.के., पटना, 2001, पी.पी. 46–50, ISBN No. 978-93-5419-742-0			
Extension Pamphlets/ literature				
1	ढैंचा की खेती	हेमन्त कुमार सिंह. नीरज प्रकाश,, एवं मनोज कुमार राय,	1000	Mass
2	मूंग की शून्य जुताई से खेती	हेमन्त कुमार सिंह. नीरज प्रकाश,, एवं मनोज कुमार राय,	1000	Mass
3	ड्रेग्रेन फ्रूट	हेमन्त कुमार सिंह एवं मनोज कुमार राय,	1000	Mass
4	आम के मंजर का प्रबंधन	हेमन्त कुमार सिंह. नीरज प्रकाश,, एवं मनोज कुमार राय,	1000	Mass
Technical reports				
1.	Annual Action Plan 2021	KVK, Kishanganj	1	1
2.	Annual Report2020	ATARI, Patna	1	1
3.	20th Extension Education Council	DEE, BAU, Sabour	1	1
4.	21th Extension Education Council	DEE, BAU, Sabour	1	1
5.	DFI Success Story	ATARI, Patna	110	1
6.	11th SAC meeting Report	KVK, Kishanganj	1	1
7.	Swachhata Pakhwda Report	ATARI, Patna	1	1
8.	Parthenium Awareness Programme	ATARI, Patna	1	1
9.	Double farmers Income	ATARI, Patna	1	1
10.	CFLD Report	ATARI, Patna	1	1
Electronic Publication (CD/DVD etc)				
1.	Success story of Climate Resilient Technology Project	KVK, Kishanganj	01	Mass
TOTAL				

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

(**B) Details of HRD programmes undergone by KVK personnel:**

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training	Management of KVK's Farmers Service Providing Unit-Online and Offline	Md. Miraj Programme Assistant (Lab)	19-24, February, 2021	BAU, Sabour
2	Workshop	Agriculture Data Analysis Using Different Statistical Package	Dr. Hemant Kumar Singh SMS (Horticulture)	17-21, Sept, 2021	DKAC, Kishanganj
3	XV Agricultural Science Congress & ASC EXPO	Energy and Challenges in 21 Century	Dr. Hemant Kumar Singh SMS (Horticulture)	13-16 November, 2021	BHU, Varanasi
4	5th International Agronomy Congress	Agri-innovations to combat food and nutrition challenges	Er. Manoj Kumar Roy, Senior Scientist and Head	23-27 November, 2021	PJTSAU, Hyderabad

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

Success Story – 1

Name of farmer	**Smt. Lalita Devi**		
Address	**Chapati, Block- Thakurganj, Distt- Kishanganj**		
Contact details (Phone, mobile, email Id)	8102284739		
Landholding (in ha.)	0.25 ha		
Name and description of the farm/ enterprise	She is a marginal farmer. After marriage she started helping her husband in farming activities as her husband used to work in the nearby farms as daily wages worker. Her husband used to grow maize and paddy in his 0.25 ha of land and the return he was getting about Rs 15000 per annum . She joined JEEVIKA in 2018 and got training on Vegetable production from KVK, Kishanganj. She got training on Organic Farming of Dragon fruit under STRY programme at KVK, Kishanganj during 21st to 26th August 2021. After training as she was interested to establish a Dragon fruit orchard, she was provided with 50 dragon fruit plants for the same. After training she started growing chili, tomato and other vegetables in her field and also rearing goat of local breeds. In this way her net annual income increased to about Rs. 1.09 Lakh.		
Economic impact	**Impact Factor**	**Before 2018**	**In 2020**
	Gross Cost	21600.00	40200.00
	Gross Income	36519.00	149000.00
	Gross Return	14919.00	108800.00
	B:C Ratio	1.69	3.71
Social impact	The increase in income instilled self confidence and social recognition to her. She is now actively participating in JEEVIKA programme as a resource person and motivating other farmwomen.		
Environmental impact	Vegetables production in place of paddy and maize helps in improving the environment.		
Horizontal/ Vertical spread	As a village resource person she is motivating other farmwomen having small land holding to adopt vegetable production to increase their income and about 12 farmwomen of her village are engaged in vegetable production and goat rearing.		

Success Story – 2

Name of farmer	**Md. Abu Sayeed**		
Address	**Vill- Purlabari, Post- Hatbar , Block- Kishanganj, Distt- Kishanganj**		
Contact details (Phone, mobile, email Id)	8544077677		
Landholding (in ha.)	3.60 ha		
Name and description of the farm/ enterprise	Md. Abu Sayeed has 3.60 ha of land out of which 1.20 ha is low land which was not in any used before 2017. He used to grow paddy and maize in his 2.40 ha of land. He got training from KVK, Kishanganj and BPSAC, Purnea about cultivation of Makhana in 2017 and started Makhana Cultivation in his 1.20 ha land. He got all types of technical support regarding Makhana Cultivation from the centers. In 2020 he started to replace local seed of Makhana with Sabour Makhana-1 which has higher yield potential then the local cultivar.		
Economic impact	**Impact Factor**	**Before 2017**	**In 2020**
	Gross Cost	216000.00	283500.00
	Gross Income	295050.00	715750.00
	Gross Return	79050.00	432250.00
	B:C Ratio	1.37	2.52
Social impact	He got social recognition as adoption of Makhana in his low laying area increased his income.		
Environmental impact	The unused waste land become productive through his intervention.		
Horizontal/ Vertical spread	Many farmers of his village and nearby villages started Mkahana Cultivation in low laying areas, which were not in use earlier and area under Makhana cultivation in the area is about 15 ha.		

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
1.	**Spawn (Oyester) production of Mushroom through Indigenous technique.**	Sri. Jitendra Kumar Gupta	He uses locally available materials to produce mushroom spawn instead of well equipped laboratory. He uses pressure cooker in place of autoclave for sterilization of wheat grain, rectangular 8 feet x 4 feet closed plastic compartment having net on upper and bottom surface to sterilize the environment instead of laminar flow. The innouculation process is perfomed in front of spirit lamp. The laboratory area is sterilized by spraying 1% solution of NaOH.

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)**

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Bitter gourd	Heat treatment of bitter gourd seed by putting under soil near chulha	To control fungal disease and break the dormancy of seed
2.	Goatry	Use of banana sucker	To control of diarrhea and bloat
3.	Poultry	Mouse trap made of bambbo, tube and rope	To control mouse in poultry house and field

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.	Dragon fruit	6.4	500-600 q	05	No

आधुनिक तकनीक से खेती करना लाभदायक

ठाकुरगंज (निज संवाददाता)। इरादे अगर नेक हो तो मंजिल भी कदम चूमती है। कुछ ऐसा ही जज्बा है भारतीय स्टेट बैंक से वीआरएस लेने के बाद ठाकुरगंज वार्ड नंबर दो निवासी राधे कृष्ण एवं उनके पुत्र जैमिनी कृष्ण, जो कि साफ्टवेयर इंजीनियर की नौकरी को छोड़कर आधुनिक तकनीक से खेती कर खुद का आय बढ़ाने के साथ-साथ दूसरों के लिए मिसाल साबित हो रहे हैं।

राधे कृष्ण एवं जैमिनी कृष्ण ने ढाई एकड़ जमीन में ड्रैगन फ्रूट की खेती की शुरुआत की है। इन्होंने ड्रैगन फ्रूट के साथ-साथ सफलतापूर्वक खेती भी की है। ड्रैगन फ्रूट के लाइन के बीच में बचे जगहों पर सफलतापूर्वक खेती के तौर पर बैंगन, टमाटर, नेनुआ, कद्दू एवं तरबूज को लगाया गया है।

राधे कृष्ण से बात करने पर उन्होंने बताया कि खेती को कुछ ड्रैगन फ्रूट की टाईप सी नस्ल के सहारे लगाया गया है। बीच के बचे नया रूप से करने का लगाव शुरू ५००० पौधों को ढाई एकड़ जमीन जगहों पर २५०० पौधा बीएनआर से ही था। इसी क्रम में हैदराबाद से पर पिलर एवं मलचिंग सीट के २१२ नस्ल का बैंगन एवं ५०० पौधा युवराज नस्ल का टमाटर को लगाया है।

बैंगन एवं टमाटर के ग्राफ्टेड पौधों को छत्तीसगढ़ से मंगा कर लगाया गया है। पौधों की ऊँचाई पांच से छह फीट तक की है। ग्राफ्टेड पौधा में मदर प्लांट जंगली होता है, जबकि उसके तना में सब्जी के पौधे को ग्राफ्ट कर दिया जाता है। बैंगन एवं टमाटर का उत्पादन अधिक होने में मुनाफा कमाने का यह तरीका स्थानीय किसानों को प्रेरणा देता है।

वहीं खेत का पेराबंदी के लिए लगाए गए नेट पर कद्दू एवं नेनुआ लगा कर उससे भी अच्छा उत्पादन लेने का प्रयास किया गया है। सिंचाई के लिए ड्रिप एरिगेशन की व्यवस्था की गई है। इनके लगाए गए फसलें इलाके के लोगों के लिए प्रेरणास्रोत है।

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		

Identification of courses for farmers/farm women

a) PRA family survey, group discussion, visual observation, mass contact method and innovative farmer's experience. Total number of PRA survey (3)

b) Entry level behaviors of the learners.

c) Farm advisory service

In-service personnel

a) Sharing of field experiences.

b) Getting the feedback from the extension functionaries working at grass root level and devising the course priority basis.

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

Sl. No	Name of Equipment	Qty	Sl. No	Name of Equipment	Qty
1.	Shaker	1	2.	Wash Bottle (500ml)	1
3.	Meter	1	4.	Wash Bottle (250ml)	1
5.	Hot Plate	1	6.	Tissue Paper	2
7.	Sieve Small	2	8.	Bottle Brush	1
9.	Sieve Big	1	10.	Test Tube Brush	1
11.	Solar Plate with controller & Cable	1	12.	Syringe 10ml	2
13.	Manual	1	14.	Syringe 5ml	2
15.	Funnel	20	16.	Measuring Cylinder Glass (25ml)	1
17.	Breaker	20	18.	Test Tube Stand	2
19.	Test Tube graduated 50ml	40	20.	Safety Glass (Google)	1
21.	Glass Test Tube (50ml)	20	22.	Training CD	1
23.	Spoon (Small)	1	24.	Software for Soil Health Card CD	1
25.	Spoon (Big)	1	26.	Distillation Unit glass single stage 4 Ltr	1
27.	Stirring Rod (Plastic)	2	28.	Soil Testing Kit	1
29.	Stirring Rod (Glass)	2	30.	Extra Reagent Kit	1
31.	Beaker Glass 100ml	4	32.	Hot Air Oven	1
33.	Graduated Measuring Cylinder Glass (10ml)	1	34.	Distillation Unit glass single stage 4 Ltr	1
35.	Graduated Measuring Cylinder Glass (50ml)	1	36.	Laptop Dell INS. 3576/821	1
37.	Marker Pen 4 Colors	4	38.	P.H. Meter	1
39.	Note Pad	1	40.	Weighing Balance 0.5 GSM	1
41.	Pen	1	42.	Conductivity Meter	1
43.	Cloth	1	44.	Microprocessor based Spectrophotometer	1
45.	Gloves	1	46	Reagent Brown Bottle Glass (125ml)	2
47	Weighing Balance	1			

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			
P^h, EC, OC,N:P:K, B, Zn, Fe, Mn, S	STFR, Mini-Kit	685	685	12	366475

3.11.c. 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.	1	68	0	PD, ATMA, Kishanganj	50	60

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed
02 students (from Amritsar College of Engineering &Technology)	02.03.2021 to 30.06.2021 (121 days)
01 student (from Institute of Agricultural Sciences, BHU, Uttar Pradesh)	25.08.2021 to 25.10.2021 (60 days)
27 Students (from DKAC, Kishanganj)	02.10.2021 to 23.12.2021 (83 days)

ARS trainees trained	No of days stayed

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
30.01.2021	Dr. R. K. Sohane, Hon'ble Vice-Chancellor, BAU, Sabour	Review of KVK activities
10.04.2021	Sri Bijay Kumar, Special Secretary Agriculture, GOB	Review of CRA activities
10.07.2021	Dr. R. N. Singh, Associate Director Extension Education, BAU, Sabour	SAC meeting
18.08.2021	Sri Sanjay Kumar, Joint Director Agriculture, Purnea	Visit of experimental plot under CRA

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)
Modern Dairy Management	810	41	24500 (Yearly)	32000(Yearly)
Artificial Insemination	101	48	25300 (Yearly)	68200 (Yearly)
Mushroom production	440	18	8500 (Yearly)	12600(Yearly)
Banana (G-9) Tissue Culture	260	68	40000 (Yearly)	70000 (Yearly)
HYV of late sown wheat (HD 2985)	210	23	26000/ha	35000/ha
HYV of Mustard (R-Suflam)	1512	41	8500/ha	14500/ha
HYV of Jute(JRO 204)	325	49	13000/ha	19500/ha
Vermicompost	312	22	20000 (Yearly)	60000 (Yearly)
Beekeeping	140	18	15000 (Yearly)	1,30,000 (Yearly)
Twisting Technique of Guava	190	35	24000 (Yearly)	2,04,000 (Yearly)
use of PGR in Pineapple	1202	68	60000 (Yearly)	2,22,500 (Yearly)

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**
Pineapple cultivation	15000 (ha)
Use of combined harvester	11 (no.) – 14000 (ha)
Boro paddy	2200 ha
Seed treatment	1250 ha.
Twisting Technique of Guava for crop regulation	120 ha
Organic Dragon Fruit Cultivation	6.5 ha

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
1.	CFLD (Oilseed)	About 28 percent farmers adopted the oilseed production after the demonstration of variety Rajendra Suflam since 2016-17.	Increasing agricultural production and productivity through dissemination of appropriate resource and location specific agricultural technologies.
2.	Nutritional Garden	**Nutritional Security** About 26 percent of tribal and rural women farmers growing and habited for the nutritional garden in backyard space round the year after training and demonstration under this project and awareness, training on importance of nutritional value for humain being.	Enhancement of livelihood and nutritional security of tribal communities and other rural women of family through agro-enterprise diversification.
3.	Dragon fruit	**Entrepreneurship development** Dragon fruit cultivation in Kishanganj district of Bihar was introduced in 2014 from 100 plants. Now in present time about 04 ha area covered in the district and also supply of planting materials through KVK and farmers fields for others district of Bihar and West Bengal. KVK developed the cultivation of Dragon fruit and disseminated the technology through training, demonstration and use of ICT	Enhancing of commercial fruit production in Horticulture sector and introduce the exotic fruit crops in Bihar.

4	Guava Cultivation	**Twisting Technique of Guava** Guava cultivation in Kishanganj district with set of a technology twisting technique of guava for off season production and get more income. About 04 acre area with 400 plants transplanted by farmers during 2014. Now in present time about 80 to 85 ha area cover with technology by rural youth farmers in Kishanganj district. KVK Kishanganj also disseminating the technology since 2016 after validation at KVK farm.	Validation and adaptation of technology for off season production and high yielding of guava.

4.4. Details of innovations recorded by the KVK

Case – 1

Thematic area	**Spawn Production**
Name of the Innovation	Spawn (Oyester) production of Mushroom through Indigenous technique.
Details of Innovator	Mr. Jitendra Kumar Gupta, At- Mastan Chowk, Thakurganj, Kishanganj
Back ground of innovation	Mr. Jitendra Kumar Gupta, after getting training and technical support from KVK, Kishanganj started oyster musroom production in 2008. He started mushroom cultivation with 200 bags and then increased the number of bags up to 600 in a batch. During mushroom cultivation, he was facing the problem of availability of spawn locally. He observed the spawn production critically and he used locally available materials to follow the spawn prdocution technique in 2014. As of now he produces about 70 kg spawn per day from his laboratory with an input cost of Rs. 70-75/kg spawn.
Technology details	He uses locally available materials to produce mushroom spawn insetead of well equipped laboratory. He uses pressure cooker in place of autoclave for sterilization of wheat grain, rectangular 8 feet x 4 feet closed plastic compartment having net on upper and bottom surface to sterilize the environment insetead of laminar flow. The innouculation process is perfomed in front of sprit lamp. The laboratory area is sterilize by spraying 1% solution of NaOH.
Practical utility of innovation	Mushroom cultivation is being practiced by many farmwomen either in isolation or in a group in the state. The availability of spawn in rural areas is still a problem. Such indigenous technology which does not require costly equipments to setup the laboratory, can be established in rural areas to cater the demand of spawn.

4.5. Details of entrepreneurship development

Case – 1

<table>
<tr><td colspan="2">Entrepreneurship development</td></tr>
<tr><td>Name of the enterprise</td><td>Makhana Cultivation</td></tr>
<tr><td>Name & complete address of the entrepreneur</td><td>Sri Kshameshwar Mandal, At- Shital Nagar, Block- Kochadhaman, Kishanganj</td></tr>
<tr><td>Role of KVK with quantitative data support:</td><td>Since 2016 KVK, Kishanganj is providing technical support to him in respect of Scientific Cultivation of Makhana. In 2020 he was provided with improved seed of Makhana i.e. Sabour Makhana- 1, under Makhana Development Scheme, which has high yield and more popping percentage then local seed.</td></tr>
<tr><td>Timeline of the entrepreneurship development</td><td>Sri Mandal was involved in rearing fish in the low laying area of public and private land since 1992. He started cultivation of Makhana in 2004 with local variety of Makhana in his low laying area of 4 ha. Now from 2016 he is getting technical support and assistance from KVK, Kishanganj for scientific cultivation of Makhana. He also exposed to the marketing of Makhana through various platforms.</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>Makhana cultivation in low laying area and introduction of improved seed of Makhana</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>
<table>
<tr><td colspan="3">Before Adoption</td></tr>
<tr><td>Component</td><td>Area (acre)</td><td>Net Return (Rs.)</td></tr>
<tr><td>Paddy</td><td>4</td><td>31380</td></tr>
<tr><td>Fisheries</td><td>5</td><td>320000</td></tr>
<tr><td colspan="2">Total</td><td>351380</td></tr>
<tr><td colspan="3">After Adoption</td></tr>
<tr><td>Component</td><td>Area (acre)</td><td>Net Return (Rs.)</td></tr>
<tr><td>Paddy</td><td>4</td><td>59552</td></tr>
<tr><td>Makhana</td><td>10</td><td>530000</td></tr>
<tr><td>Fisheries</td><td>5</td><td>545000</td></tr>
<tr><td colspan="2">Total</td><td>1134552</td></tr>
</table>
</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>The scope of Makhana Cultivation is very high as there are lots of low laying pockets in his block. He is familiar in fish farming and there is enough labour available for Makhana farming and fish cultivation. The Market of the produce is also available. Under Makhana Development Scheme the farmers are provided with improved seed and are being linked to processing marketing facilities.</td></tr>
<tr><td>Horizontal spread of enterprise</td><td>Many farmers of nearby villages started Mkahana Cultivation in low laying areas, which were not in use earlier and area under Makhana cultivation in the area is about 50 ha.</td></tr>
</table>

Case – 2

Entrepreneurship development	
Name of the enterprise	**Guava Cultivation and Nursery**
Name & complete address of the entrepreneur	Md. Mojibur Rahman, Vill- Singhia, Singhia Kulamani, Block- Kishanganj, Distt- Kishanganj
Role of KVK with quantitative data support:	Training and time to time technical support on guava cultivation through twisting technique
Timeline of the entrepreneurship development	Md. Mojibur Rahman started guava cultivation in 0.5 acre of land in 2018. Along with fruit production he also established a Guava Nursery.
Technical Components of the Enterprise	Guava cultivation with twisting technique to regulate the crop and Guava Nursery
Status of entrepreneur before and after the enterprise	Before 2017, Md. Mojibur Rahman was cultivating maize and paddy in his 1.5 acre of land and his annual income was approximate Rs. 36,000/-. He started guava cultivation in his 0.5 acres of land in 2017. Encouraged with the return he established a small nursery of Guava. Presently his annual income increased up to Rs. 155000/- from the new enterprise.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Due to many farmers cultivating Guava in the area there is a good demand of Guava plants in the area. Labours are also available in the area and the produce can be sold in nearby markets at reasonable price.
Horizontal spread of enterprise	In Kishanganj block guava cultivation area has increased up to about 200 acres.

4.6. **Any other initiative taken by the KVK**

- ✓ Popularization of Dragon fruit, a high value crop, cultivation in the district.
- ✓ Popularization and demonstration of intercropping of Ginger with Bitter Gourd.
- ✓ Popularization of twisting technique of Guava for Off-season production for higher income.
- ✓ Awareness and sensitization programme against Wheat blast diseases in border area with BSF collaboration.
- ✓ Sowing of wheat, maize, paddy, mustard and potato through RCT under CRA Programme.

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Line department	• Providing funds for infrastructure development. • Inviting for meetings, workshops, exhibitions, Scientist-farmers interactions in districts. • Formulation of different programmes on various enterprises of farmers conducting bimonthly workshops, diagnostic surveys. • Linkages with trainees for providing subsidy through line department • Jointly organizing Animal Health Camp, Special Programme and others.
ATMA	• The staff of the KVK was involved in preparation of SREP. • Serving as resource person for training programme to the Extension Personnel of the line departments. • Participation in Pre-rabi and Pre-kharif mahostav as well as farmers fair in the district. • Financial support for conducting the training and refinement of technologies on farmers field.
IFFCO	• Training programme related to fertilizers application and uses for farmers
NABARD	• Providing technical support for NABARD project in Kishanganj • Formation of FPOs and Kisan Clubs in collaboration with NABARD
JEEVIKA	• Organizing joint group meetings of farmers and creation of SHGs groups. • Financial supports for farmers in KVK adopted villages.
NGOs	• Working with Many NGOs like Pradan, Rahat, Going to School and Nomi Network for developments of entrepreneurship and self employment of rural youth. • Providing skill development training for NGOs groups and demonstration of technology in operation area.
BSF, SHQ, and SSB, Kishanganj	• Establishment of Nutri-garden at BSF, Sector HQ under NARI project • Awareness and sensitization programme against Wheat blast diseases in border area with BSF collaboration • To provide training programme for SSB linked farmers in border area of Kishanganj.
Doordarshan, Patna, AIR, Purnea	Broadcasting

5.2. List of special programmes undertaken during 2021 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Strengthen of Training Hall	Modernization of training hall for farmer facility of district	March, 2021	ATMA, Kishanganj	2,50,000.00

(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.)
CRA Programme	Demonstration of CRA technology	2021	Govt. of Bihar	63,14,500.00
BSDM	Training	2021	Govt. of Bihar	5,30,756.00
NARI	Establishment of Nutri-garden	2021	Govt. of India	50,000.00
Makhana Development Scheme	Promotion of sabour Makhana -1 variety and area expansion in wet land area of Kishanganj	2021	Department of Horticulture, Govt. of Bihar	50,000.00

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.	Vermicompost	2016	4 pit	*A Foetida*	Vermicompost	17.90 qt	5500	10740	
2.	Azolla Unit	2019	2 Pit	*A.pinnata*	Azolla				-
3.	Waste Decomposer	2019	2 tank	-	-				-
4	NADEP	2019	2 tank						-
5	Nutri-garden	2020	180	*Seasonal vegetables*	*Vegetables*				-

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Rem.
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Mustard	16-18.11.2020	09.03.2021 to 14.03.2021	2.0	R. Suflam	TFL	5.0	20000	57500	
Wheat	27.11.2020 to 03.12.2020	09.04.2021	3.0	HD 2967	C/S	74.0	25000	333000	
Paddy	09.06.2021 to 15.06.2021	02.11.2021 to 16.11.2021	2.6	S. Shree	C/S	100.0	450000	Stored in godown	
Paddy		28.11.2021	0.40	S. Sampann	F/S	17.0	79000		
Mustard	15-17.11.2021	-	1.0	R. Suflam	TFL	Crop is standing in the field	-	-	
Wheat	24.11.2021 to 30.11.2021	-	4.0	HD 2967	C/S		-	-	
Potato	13.11.2021	-	0.10	K. Khyati	C/S		-	-	
Maize	19.11.2021	-	0.20	Bahubali	Hybrid		-	-	

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

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

6.4. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds) 30

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January, 2021(Skill Training)	18	24	
March, 2021 (Farmers)	55	1	
July 2021 (Farmers)	60	6	
October to December, 2021(RAWE)	17	83	
Total :	**150**	**114**	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed : Yes
No. of staff quarters : 4
Date of completion : June – 2014
Occupancy details **:**

Months	**Q I (PC)**	**QII (FM)**	**Q III (TA)**	**QIV (TA)**	**Q V**	**QVI**
Jan	Y	Y	Y	Y	-	-
Feb	Y	Y	Y	Y	-	-
March	Y	Y	Y	Y	-	-
April	Y	Y	Y	Y	-	-
May	Y	Y	Y	Y	-	-
June	Y	Y	Y	Y	-	-
July	Y	Y	Y	Y	-	-
Aug	Y	Y	Y	Y	-	-
Sep	Y	Y	Y	Y	-	-
Oct	Y	Y	Y	Y	-	-
Nov	Y	Y	Y	Y	-	-
Dec	Y	Y	Y	Y	-	-

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Krishi Vigyan Kendra, (CA)	State Bank of India	Gandhi Chowk, Kishanganj	11715398178
Programme Cordinator (Saving)	State Bank of India	Gandhi Chowk, Kishanganj	11715399727

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Oilseed (Mustard, Sesame)					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2020
	Kharif /Summer	Rabi	Kharif/Summer	Rabi	
Green Gram					

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	HRD			
4	Contingencies			
A	Stationary & POL			
B	Training			
C	FLD			
D	OFT			
E	M.O.B			
F	Extension Activities			
TOTAL (A)				
B**. Non-Recurring Contingencies**				
1	Vehicle			
2	Equipments and Furniture			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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	12,16,799.06	6,62,168.00	6,12,363.00	12,66,604.06
2020-21	12,66,596.06	5,95,301.00	3,48,078.00	15,13,819.06
2021-22 (up to Dec, 21)	15,13,819.06	4,22,687.00	3,28,371.00	16,08,135.06

7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

Five farmers clubs were formed by KVK in adopted village with help of NABARD, Kishanganj

1) Pragatishil KVK Krishak Club,Teussa
2) Navjyoti KVK Krishak Club, Dheksara
3) Jai Kisan KVK Krishak Club, Balubari
4) Harit Kranti KVK Krishak Club, Phulvari
5) Sri Krishna KVK Krishak Club, Khar-Khari

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	Both
Rabi Abhiyan	07	Rabi	Line department	ATMA, Kishanganj	Both
Kisan Choupal	07	Rabi	Line department	ATMA, Kishanganj	Both
World Soil Day	01	Rabi	Line department	ATMA, Kishanganj	Both
Farmers Scientist interaction	03	Rabi	Line department	ATMA, Kishangnj	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)
Late blight	Potato	January	20	38	Application of Ridomil Gold MZ 68 WG @2.5 g./lt water with interval of 7 to 8 days,
Aphid	Mustard	Jan-Feb	12	26	Application of Imdichloprid 17.8 % SL, @ 2ml/3lt water with interval of one week.
Fall Army Worm	Maize	December	12000	05-10	Application of Emamectin benzoate 5 SG @ 0.4 g/l of water
Red Banded Mango Cater pillar	Mango	August, September	200 ha	50-52	Application of chlorantraniliprole/ Coragen 20 SC @ 0.8ml/lt of water

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. *m-Kisan* Portal (National Farmers' Portal/ SMS Portal)

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

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*1125*
2.	No. of farmers registered in the portal	*5000*
3.	Mobile Apps developed by KVK	-
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 (SMSs)	No. of Farmers
1.				
2.				
3.				
4.				
5.				

9.6. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
The activities was conducted in the programme of Swachhta Pakhwada dated 16-31, Oct, 2021 and 16-31 Dec, 2021	Awareness Programme for recycling of animal and by product, use of culture of waste decomposer and as well as establishment of vermicompost unit.
	KVK employees and RAWE students under Swachhta Pakhwara, Cleaning of administrative building, Kisan Ghar, road side and farm path.
	Cleaning of office premises and KVK farm, cleaning of road side, awareness programme in villages
	Plantation around admin block and cleanness programme with RAWE student

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	02	23,000.00
2. Basic maintenance	04	
3. Sanitation and SBM	08	
4. Cleaning and beautification of surrounding areas	04	
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	12	
8. Swachhta Workshops	02	
9. Swachhta Pledge	02	
10. Display and Banner	12	
11. Foster healthy competition	01	
12. Involvement of print and electronic media	04	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	08	
14.No of Staff members involved in the activities	10	
15. No of VIP/VVIPs involved in the activities	00	
16. Any other specific activity (in details)	00	
Total	**72**	**23,000.00**

9.7. Observation of National Science day

Date of Observation	Activities undertaken
28.02.2021	Organized Debate and workshop of rural youth

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
Training (Mushroom Production Technique)	10-11.10.2021	40

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Jawahar Navodaya Vidyalay, Motihara, Kishanganj	16.12.2021	Career in agriculture	Oral

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. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1					

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	Kisan Goshthi and Workshop	03	39	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 Nagraj Nakhat	9431291680, 9006265380 Near Jain Mandir, Block-Thakurganj, PO-Thakurganj, District- Kishanganj, Bihar-855116	Introduced Dragon Fruit Cultivation
2.	Md. Rafique Alam	8757538916 Village- Singhia, Panchayat- Singhia, Kulamani, Block- Kishanganj, Bihar	Crop regulation of Guava with Twisting Technique
3.	Mr. Joshep Hembram	7679086933 Village –Panasi, Block-Pothia, Kishanganj	Bee keeping with preparation of local bee box
4.	Sri Dulaljeet Singh	8521212102 Vill: Gillabari, Panchayat: Phala, Block-Pothiya, PO- Pothiya, District- Kishanganj, Bihar- 855107	Homemade medicine from banana sucker for goat bloat
5.	Sri Jitendra Kumar Gupta	At- Mastan Chowk, Thakurganj, Kishanganj	Mushroom spawn production through indigenous technique
6.	Md. Muzaffar Kamal Saba	At- Alta, Block- Kochadhaman	Fish farming through Bio-flock technique
7	Sri Ravi Anand	At- Bhavrahdah, Block- Bahadurganj	Integrated Farming System
8	Md. Akil Samsi	At- Gachhpara, Block- Kishanganj	Goatry and Poultry farming
9	Md. Kamrul Jama	At- Sapatia, Sundarbari, Block- Kochadhaman	Makhana cultivation
10	Sri Kshmeshwar Mandal	At- Sital Nagar, Block- Kochadhaman	Makhana Cultivation

9.14. Revenue generation

Sl. No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Bank Interest (RF)	39929.00	
2.	RAWE Programme	9000.00	-
Total		**48929.00**	-

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Soil Testing	Soil Health Card	FLD, OFT, CRAP, CFLD and others	795040.00	-
2	Training Hall	Engage of training during sponsored programme	Sponsored Programme	40545.00	-
3	Farmer's Hostel	Accommodation of training during sponsored programme	Sponsored Programme	36664.00	-
4	Vermicompost Production	Demonstration unit	Self generated	10740.00	-
5	Seed Production	Quality seed	KVK RF	711350.00	

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

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

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

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

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

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

d. Location and Beneficiary Details during 2017-18

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

12. Details of SCSP

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

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	

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1.	Best Stall Exhibition	2021	BAU, Sabour	-	Stall exhibition in Kisan Mela 2021

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Progressive Farmer Award	Mr. Jyoti Prasad	2021	BAU, Sabour	-	Poultry Farming

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

A. Makhana Survey and Possibility

- ✓ Survey work was done in kishanganj district to explore the possibilities of Makhana cultivation with help of BPAC, Purnia.
- ✓ Workshop organized on Makhana cultivation and Proccessing with BPAC, Purnea
- ✓ Approximately 400-500 acre has been found suitable in different blocks for the cultivation of makhana in kishnagnj district.
- ✓ Demonstration on Makhan var Sabour Makhana-1 developed by BAU, Sabour
- ✓ Sabour Makhana -1 variety are demanded among the farmers

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	JANHIT FED FARMER PRODUCER CO. LTD.	CIN : U01110BR2021PTC052566 Dt: 25.06.2021	25.06.2021	Support in Input supply, Market linkage and capacity building	Vegetables	400	1.25	
2	LAXMI POOJA ANARAS FARMERS PRODUCER CO. LTD	10AAECL3696GIZM Dt. 26.06.2021	26.06.2021	Post Harvest Processing and Marketing	Pineapple	125	4.86	

17. Integrated Farming System (IFS)

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

18 Technologies for Doubling Farmers' Income

Sl.	Name of	Brief Details of Technology (3-	Net Return to	No. of	One high resolution

No	the Technology	5 bullet points)	the farmer (Rs.) per ha per year due to adoption of the technology	farmers adopted the technology in the district	'Photo' in 'jpg' format for each technology
1	Twisting of guava for high returns	• Select the plant of guava aged 3-4 year old and in full flush. • Annual pruning and training of trees to maintain the canopy. • Twisting of erect branches to 5-6 feet height and get numerous emergence of flowers from every leaf nodes of twig. • Seven months after massage (twisting) of branches fruits are harvested twice in a year	250000.00	80	 

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 15.03.2018)					
II (up-to 24.04.218)					
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 2017-18, 2019,2021 and 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2019	Vermi composting	1. Dr. Hemant Kr Singh 2. Dr Niraj Prakash	26-12-2018	23-01-2019	20	Y	164036
2019	Artificial Insemination Technique	Dr Ratnesh Choudhary	07-01-2019	26-02-2019	20	Y	357184

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

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Skill Development	Quality Seed Grower	240 hrs	0	0	0	0	17	1	17	1	18	

22. Information on 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

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.		Backyard/Kitchen garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

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

d. Training programmes in Nutri-Smart village

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

e. Extension activities under NARI Project

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

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 Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

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

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