Progress Report

(January 2019 – December 2019)

Presented in Annual Zonal Workshop of
KVKs of ZONE IV & V

HELD AT

(2020)

KRISHI VIGYAN KENDRA, BHOJPUR, ARA,
Water and Land Management Institute (WALMI)
Phulwari Sharif, Patna

PROFORMA FOR ANNUAL REPORT 2019 (January 19 to December 2019)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, SCADA, Japanese Farm ,Katira, Ara, Bhojpur, Bihar PIN-802301	9431091369	06182-234014 (pp)	bhojpurkvk@gmail .com

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

Address	Telephone		E mail
	Office	FAX	
Director Water and Land Management Institute (WALMI) Phulwari Sharif, Patna	7463889105		

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Pravin Kumar Dwivedi Senior Scientist & Head	9006658283	9431091369	bhojpurkvk@gmail.com

1.4. Year of sanction of KVK:

(Reference of Sanction Order) 5(1)/93, KVK, (AE-1): Date 06-07-1

1.5. Staff Position (as on 31st December 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist & Head	Dr. Pravin Kumar Dwivedi	Senior Scientist & Head.	Agronomy	37400- 9000-67000 68220	02.06.2001	Permanent	Others
2	Subject Matter Specialist	Sri Niles Kumar	SMS (Horticulture)	Horticulture	15600-5400 -39100 36620	09.10.1996	-Do-	Others
3	Subject Matter Specialist	Smt. Supriya Verma	SMS (Home Science)	Home Science	15600-5400 -39100 32850	11.08.2001	-Do-	OBC
4	Subject Matter Specialist	Sri Shashi Bhushan Kumar 'Shashi'	SMS (Plant Protection)	Plant Protection	15600-5400 -39100 24350	14.01.2013	-Do-	OBC
5	Subject Matter Specialist	Dr. Sachidanand Singh	SMS (Ext. Education)	Ag. Extension	15600-5400 -39100 24350	14.01.2013	-D0-	Others
6	Subject Matter Specialist	Dr. Anil Kumar Yadav	SMS (PBG)	PBG	15600-5400 -39100 24350	16.01.2013	-Do-	OBC
7	Subject Matter Specialist	Vacant w.e.f-01.01.2015	SMS (Animal Husbandry)	Animal Husbandry		28.01.2013	-Do-	Others
8	Programme Assist	Vacant w.e.f-14.01.2013						Others
9	Programme Assist Computer	Pankaj Kumar	Programme Assistant Computer	Computer	9300- 4200 -34800 23650	01.01.2001	-Do-	Others
10	Farm Manager	Sunil Kumar	Farm Manager	Ag. Economics	9300-4200-34800 23650	06.02.2001	-Do-	OBC
11	Accountant / Superintendent	Sri Sanjeev Raghuvanshi	Accountant	Accounts	9300- 4200 -34800 15670	16.01.2013	-Do-	Others
12	Stenographer	Radha Krishn Nair	Jr. Stenographer cum Computer Operator	Computer	5200-2800 -20200 15870	18.12.2000	Permanent	Others
13.	Driver cum Mechanic	Mahabir Ram	Driver	--	5200-2000-20200 12470	02.12.2000	-Do-	SC
14.	Driver cum Mechanic	Vacant w.e.f-27.11.2017	Driver	--		--	--	--
15.	Supporting staff	Smt. Baby Kumari	Office attendant	--	4440- 1888 -7440 10510	07.06.2001	-Do-	Others
16.	Supporting staff G I	Vacant w.e.f-07.09.2008	Office attendant	--		--	--	--

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	03.00
2.	Under Demonstration Units	01.50
3.	Under Crops	12.50
4.	Orchard/Agro-forestry	01.20
5.	Others with details	01.21
	Total	19.41

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					June 2001	550	Under use	ICAR
2.	Farmers Hostel					-Do-	300	Under use	ICAR
3.	Staff Quarters (6)					-Do-	200	Under use	ICAR
4.	Piggery unit								
5	Fencing								
6	Rain Water harvesting structure								
7	Threshing floor					2012		Under use	ICAR
8	Farm Godown								
9.	Dairy unit								
10.	Poultry unit					Sept. 2007	500 birds	Under use	DRDA, Bhojpur
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit					2018		Under use	ICAR
14.	Shade house					2018		Under use	ICAR
15.	Soil test Lab					2007		Under use	ICAR
16	Others, Please Specify								
A	Distillation Unit for Medicinal & Aromatic plant					Sept. 2007	1.5 ton	Under use	DRDA Bhojpur
B	Seed Processing Plant					2014-15		Under use	RSVY

* 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
Maruti (BR-3 7839)	1995	189853.90	152311	Not Running
Raj Doot (BR-1F 8380)	1995	34379.00	158561	Not Running
Raj Doot (BR-1F 8381)	1995	34379.00	158860	Not Running
Kinetic (BR-1F 7205)	1995	33638.60	19083	Not Running
Bajaj Discover (BR-03S-4736)	2016	60967.00	7507	New Purchase
Bajaj Discover(BR-03S-4759)	2016	60967.00	1442	New Purchase

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Home Science				
Usha Empress Sewing Machine	2000	2008	Working	ICAR
Usha Foot operated sewing machine	2000	2569	-Do-	
Usha flora Embroidery machine	2000	4600	-Do-	-Do-
Dim-Display System (2 No.)	2000	34238	-Do-	-Do-
Papad pressure Machine	2001	4690	-Do-	-Do-
Pulverize with 2Hp electric machine	2001	21183	-Do-	-Do-
Horticulture				-Do-
Garden instrument	2003	3683	-Do-	-Do-
Vet,Science				
Compound Microscope	2013	7000	-Do-	-Do-
Autoclave Electrically Operated	2013	11500	-Do-	-Do-
Bunsen Burner with Stopcock	2013	475	-Do-	-Do-
Staining Rack	2013	375	-Do-	-Do-
Sprit Lamp S. Steel	2013	85	-Do-	-Do-
Plain Slide	2013	100	-Do-	-Do-
Cover Slip	2013	100	-Do-	-Do-
Leishman Stain	2013	584	-Do-	-Do-
Methylene Blue	2013	105	-Do-	-Do-
Office				-Do-
Typewriter machine (English)	2000	11050	-Do-	-Do-
Multi pad kit 7	2000	11940	-Do-	-Do-
Dim DTS Display System (4set)	2000	14990	-Do-	-Do-
Kodak Camera Model KB 20	2000	1895.00	-Do-	-Do-
Phillips Tape, Radio Model 170	2000	1175.00	-Do-	-Do-
Nikon Cool Pix Digital Camera P 80	2009	24920.00	-Do-	-Do-
A V Aids				
Photo phone 35mm	1995	12665.00	-Do-	-Do-
Linear Tray for 36 slides	1995	381.00	-Do-	-Do-
Circular Tray for 120 slides	1995	818.00	-Do-	-Do-
Carrying case	1995	600.00	-Do-	-Do-
Auto Timer	1995	515.00	-Do-	-Do-
Plastic Map Type Screen	1995	700.00	-Do-	-Do-
Spare Halogen Lamp	1995	390.00	-Do-	-Do-
Voltage Stabilizer 2.5 KVA	1995	2173.47	-Do-	-Do-
Ahuja Amplifier player	1995	4735.15	-Do-	-Do-
Mike Model Asm 580	1995	1385.10	-Do-	-Do-
Mike Model CTP 10m	1995	473.60	-Do-	-Do-
Ahuja Sound Column Model SCM15	1995	850.55	-Do-	-Do-
Ahuja Sound SCM 15T	1995	961.00	-Do-	-Do-

Mike Stand DGT	1995	229.00	-Do-	-Do-
Furniture A/C				-Do-
Godrej Storwell (3 No.)	1995	15837.60	-Do-	-Do-
Premium Chair	1995	5222.60	-Do-	-Do-
Sleet Table T.8 (4 Units)	1995	13023.00	-Do-	-Do-
Godrej Armless Chair PCH 7004 (4 Units)	1995	9748.00	-Do-	-Do-
Godrej Armless Chair CHE 4 (5 No.)	1995	3951.00	-Do-	-Do-
Godrej Chair CHR 7 (4 No.)	1995	3811.00	-Do-	-Do-
Godrej premium Table HGERU	1995	11987.20	-Do-	-Do-
Z. T. Machine 9 Tyne	2007	23000.00	-Do-	-Do-
Z.T. Machine 11 Tyne	2007	24500.00	-Do-	-Do-
Computer	2007	39000.00	-Do-	-Do-
Laptop	2007	37000.00	-Do-	-Do-
Acer LCD Projector	2007	48375.00	-Do-	-Do-
H. P. Print Scanner Fax	2007	20384.00	-Do-	-Do-
Submersible Pump	2007	59850.00	-Do-	-Do-
Photocopier	2013	74950.00	-Do-	-Do-

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Z. T. Machine 9 Tyne	2007	23000.00	Working	ICAR
Z.T. Machine 11 Tyne	2007	24500.00	-Do-	
Tractor 36.5 HP			-Do-	Transferred by ICAR From KVK Khagariya
Tractor Taylor			-Do-	-Do-
Cultivator 9 Tyne			-Do-	-Do-
Land leveler			-Do-	-Do-
Disc Plough			-Do-	-Do-
Disc Harrow			-Do-	-Do-
Generator 5HP			-Do-	-Do-

1.8. A). Details SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	23.05.2014	15+13	Connection of land line in Office as well as at residence of Programme Coordinator	Work is in progress	
			Technological back up to Farmers Club established by DDM,NABARD	It is always considered & insured	
			Technology based CD were desired by Progressive farmers	CD were made available	
			Proposal for new Vehicle	Work is in progress	
			Wide circulation of KVK related resource & information through All India Radio & DD, Patna.	As per directives work is going on	
			Suggestions to farmers for the development of underutilized Ponds with the help of Depart of Fisheries	As per directives work is going on	
			Construction of Approach Road in KVK campus	Work is in progress	
			Under delay arrival of fund from ZPD ,Kolkata, fund available with Revolving fund may be utilized for timely execution of scheduled	As per directives work is going on	

			training/Demonstration programmes		

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2018-19)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rice – Wheat – Fallow + Dairy
2	Pearl Millet–Vegetable–Fallow
3	Vegetable – Wheat – Fallow + Dairy
4	Vegetable – Flower – Flower + Dairy
5	Agriculture + Mango/ Guava+Poultry
6	Dairy + Sheep

2.2Description of Agro-climatic Zone & major agro ecological situations (Based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
	Zone III B, South Bihar Old Alluvial Plains	Longitude – 85° 45' E – 85° 15' E Latitude 25° 15'N – 25° 46'N Altitude – 195.98 m above MLS Avg. Rain fall – 1040 mm RH – 35 – 95% Lowest Temp. – 4° C Highest Temp. – 45° C Mean Daily maximum – 39.5 – 41.3° C Climate – Tropical monsoon with mild winter
S. No	**Agro ecological situation**	**Characteristics**
1	**Southern part Canal irrigated**	Upland (0 – 3 % slope) 15 18 % of Area course are deep, light to medium (top) and medium to heavy sub soil in texture and neutral to slight alkaline in reaction Medium Upland 80 % of Area deep, medium heavy to heavy (surface) and heavy (sub soils) in texture and neutral to slight by alkaline in relation Ferruginous and calcium carbonate concentration and polygonal cracks are also observed. The low land covering about 2.5 % of the area heavy textured.
	Northern part Rain fed	The area being a part of vast Gangatic alluvial in practically flat fertilizer and production. The alluvial deposits are shallow to deep and well developed soil profiles. The alluvium is the result of transportation and deposition of sediments by the over flooded river The primary minerals quartz, feldspars, muscovite, biotitic, amphiboles, pyroxenes and opaque minerals. The area is upland medium upland and medium lowland. The first part of upland being heavy textured extended along both side of river and second part being sandy in nature in the western most parts. The medium upland occupies the most part of the area and moderately well drained to

		somewhat poorly drained light to medium texture and neutral in reaction. The low land covering about 60 % of area are heavy textured.

2.3 Soil types

Sl. No	Soil type	Characteristics	Area in ha
1	Agiaon&Nanauta	Upland to medium land (60%) flat ; medium to heavy textured Clay (Surface) and heavy clay (sub soils) in texture olive to olive gray top and olive gray to yellowish brown (below) in color sandy loan to with calcium carbonate constriction .These soils are natural to slightly alkaline in reaction (6.8 – 8.2) low in soluble salt EC (0.1-0.6d Sm^{-1})low in free CaCO3 (tr – 1-5%) poor to high in 0o C (0.07-0.8%) low to medium in available P2O5 and medium to high in available K2O (216-480 Kg / ha) Soil irritability class – A to D Taxonomically – Placental, Haplustalf, Pelludert, Chromusterts	1, 28000
2	AgiaonKalhaun	Mostly medium upland to lowland (30%) moderate to poorly drained moderate to slow in permeability, loamy sand to loam (surface) and clay loam (sub soils) in texture, pale to pale brown top and greyish brown to brown (below) in color and neutral in reaction (606-7.4) Ferruginous concentration have been observed throughout the profile	54400
3	Again KalhaunNanatia	The Soil are heavy textured, greyish brown to olive brown in color and neutral in reaction The soils occupying medium upland to low land are poorly drained, loam (surface) and clay loam to clay (subsoil) in texture, olive to olive brown (below) in color and neutral in reaction pH-(6.4-7.4) ferruginous and calcium carbonate concentration have been observed in the lowest horizons.	25134

Source -4 Decades of soil survey in Bihar Abs. Report of South Bihar Plain vol. 2 RAU Pusa

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crop	Area (ha)	Production (Qt.)	Productivity (Qt. /ha)
Kharif	Paddy	1, 20,500	435607	36.15
	Maize (Kharif)	7,000	16114	23.02
	Red gram	3500	4537	13.25
Rabi	Wheat	1, 03,800	270399	26.05
	Maize (Rabi)	2,295	5547	24.17
	Gram	205000	26896	13.12
	Lentil	20,000	22920	11.46
	Pea	2500	3450	13.80
	Mustard	10,140	8619	8.50
	Potato	3525	56682	160.80
	Onion	2,650	38557	145.50
	Sugar Cane	1950	114075	585.00

Source: - Dist. Agriculture Office, Bhojpur

2.5. Weather data

Month	Rainfall (mm)		Temperature ^{0} C		Relative Humidity (%)	
	Normal	Actual	**Maximum**	**Minimum**	**RH –I (7 AM)**	**RH –II (2 PM)**
Apr.2018	8.1	4.5	36.95	25.07	59.97	20.17
May	29.9	29.2	36.35	28.94	59.97	30.97
Jun	145.5	46.9	36.90	28.22	91.44	47.27
July	289.3	339.3	33.7	29.19	98.84	73.77
Aug.	313.3	214.7	32.56	26.98	98.84	72.81
Sept.	209.6	131.3	29.91	23.78	87.43	65.53
Oct.	50.0	7.6	30.41	23.01	99.00	59.00
Nov.	7.4	0.0	27.78	15.85	90.1	38.20
Dec.	4.3	0.0	20.08	10.88	98.74	70.74
Total	**1057.4**	**773.5**				
Jan,2019	17.5	0.0	18.08	11.8	94.71	78.39
February	18.3	0.0	25.00	12.89	92.21	51.39
March	7.4	0.0	29.43	18.98	94.97	42.61
Total	**43.2**					

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	5962	8048700	4.5
Indigenous	82981	21160155	0.85
Buffalo	151756	54632160	1.8
Sheep			
Crossbred	--	--	--
Indigenous	43698	--	--
Goats	134142	--	--
Pigs	17097	--	--
Crossbred			
Indigenous			
Rabbits			
Poultry	**171694**		
Hens	43765	--	--
Desi			
Improved	5375	--	--
Ducks			
Fish			2800 MT

Source: - NABARD, Bhojpur

Note: Please give recent data only
2.b. Details of operational area / villages (2018-19)

Sl. No.	Name of Taluka	Name of the Block	Name of the Village	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Ara	Koelwar	Khesarahiya	Rice Wheat	Termite Delay in Sowing	IPM RCT&ZT Drills
		Udwantnagar	Adaura	Rice Wheat	Labor Problem Delay in Sowing Phalaris minor	Mechanical Transplanted Rice RCT &ZT Drills Weed control
			Sri Rampur	Paddy Wheat	Labor Problem Delay in Sowing Phalaris minor	Mechanical Transplanted Rice RCT &ZT Drills Weed control
		Sandesh	Akhgawn Bazaar	Paddy Vegetables Dairy	Drought Low economic return Low economic return	Contingency Crop Pearl Millet INMS Fodder Management
2	Jagdishpur	Bihiya	Gaudarh	Paddy Vegetables	Stem borer & BPH Poor Quality	IPM Organic Farming
		Jagdishpur	Dawan	Paddy Wheat Vegetables	Low yield with traditional cultivars	IPM & Organic Farming Weed control & INMS
			Dulaur	Paddy Wheat	Low yield with traditional cultivars	INMS Seed Production
3	Piro	Piro	Jamuawn	Paddy Wheat	Poor fertility	INMS & Organic Farming
		Sahar	Bahuara	Paddy- Wheat	Stem borer Micro Nutrient	IPM & Organic Farming Weed control & INMS
		Tarari	Bagar	Paddy- Wheat Vegetable	Poor return	Promotion of SHGs & Growers Association

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

Name of village	Block	Action taken for development
Hematpur	Ara	1.Training & Diagnostic work
		2. Seed Village programme
		3. Linked with DAO &Assist. Director, Hort. for various state sponsored programme.
		4. ATMA sponsored Farmers School.
		5. FLD
Yadopur	Bihiya	1.Training & Diagnostic work
		2. Linked with Assist. Director, Hort. for various state sponsored programme.
Sharathua,	Udwantnagar	1.Training & Diagnostic work
		2. Linked with Assist. Director, Hort. for various state sponsored programme.
Mandih	Agiyaw	1.Training & Diagnostic work
		2. Linked with Assist. Director, Hort. for various state sponsored programme.
		3. ATMA sponsored Farmers School.
		4. FLD
Osayin	Bihiya	1.Training & Diagnostic work
		2. Linked with Assist. Director, Hort. for various state sponsored programme.
Baulipur	Jagdishpur	1.Training & Diagnostic work
		2. Linked with Assist. Director, Hort. for various state sponsored programme.

THRUST AREAS

Priority Thrust Areas identified through PRA survey & other Methods.

Sl. No	**Thrust area**
1.	Seed Production Programme with special focus on heat & drought tolerant cultivars.
2.	RCT for better water management under changing climate
3.	Income generation through High tech Agriculture
4.	Adoption of INM and IPM for sustainable agriculture
5.	Income Generation for Farm Women through Apiculture, Poultry, Mushroom & Value addition.

6.	Technological awareness for SHG and Kishan Club & Growers Association

3. TECHNICAL ACHIEVEMENTS

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

OFT						FLD					
No. of technologies:						No. of technologies:					
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
8	7	112	16	82	98	11	9	230	42	178	220

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
273	329	5460	1085	7683	8768	96	318	6100	7876	39315	47191

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
4300.00	6600.00	0.90	2.78

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	1000	1344

* Give no. only in case of fish fingerlings

Publication by KVKs

Item	Number	No. circulated	No. of Research Paper in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the Public. cation	Details of awarded public. If any	Details of Award given to the public.
Research paper	Nil						
Seminar/conference/ symposia papers	1						
Books	1						
Bulletins	1	2000					
News letter	1	1000					
Popular Articles	15	3350					
Book Chapter	1						
Extension Pamphlets/ literature	2						
Technical reports	5						
Electronic Publication (CD/DVD etc)	Nil						
TOTAL		6350					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Evaluation of Suitable Source of Sulfur in Chickpea
2.	Problem diagnosed	Poor yield of Chickpea due to imbalance use of Fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice -Injudicious use of Sulfur Tech. Opt. -1 Basal application of S as Bentonite@ 20 Kg/ha Tech. Opt. -2 Basal application of Sulfur through Phospho-Gypsum @ 125 Kg/ha
4.	Source of Technology	DRPCAU, Pusa, Samastipur
5.	Production system and thematic area	Rice- Pulses Production System & INM
6.	Performance of the Technology with performance indicators	Yield attributes, yield, Grain Recovery percentage, Net return B. C. Ratio
7.	Final recommendation for micro level situation	In Chickpea fields,S application as Phospho-Gypsum will increase more profit.
8.	Constraints identified and feedback for research	The lack of awareness about S application Technology in Chickpeawhich requires more exposure to this technology.
9.	Process of farmers participation and their reaction	The farmers were activator in this study. The result of studies was appreciated by farmers.

Thematic area:

Problem definition: Poor early vegetative growth with injudicious use of S fertilizer of Chickpea is detrimental for yield.

Technology assessed: Application of S fertilizer empower the flowering capacity and also the bold grain percentage improves with it,

Table: Comparative of Yield attributes & Yield

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of branch /plant	No. of pod/plant	Test wt. (1000 grain wt.)					
Farmers Practice - Injudicious use of Sulfur	14	5.4	34.2	23.8	10.87	23665	40219	16554	1.7:1
Tech. Opt. -1 Basal application of S as Bentonite@ 20 Kg/ha		6.5	42.7	24.3	12.34	24665	45658	20993	1.85:1
Tech. Opt. -2 Basal application of Sulfur through Phospho-Gypsum @ 125 Kg/ha		7.2	43.6	24.8	13.19	24365	48803	24438	2.01:1

Note: No. of farmers: 2(SC) +12(Others) =14; Chickpea sell price – Rs. 3700/- quintal assumed

Results: - KVK, Bhojpur had conducted an On-farm Trial on Evaluation of S fertilizer application in Chickpea. There were 14 replications and two Technical Option along with Farmers Practice treatments in Rabi 2018. During first week of November 2018; sowing of CSJ 515 was done. It was found that in Tech. Option 1, there is improvement in BC Ratio. However, in Tech. Option 2. There is 18.23% higher BC ratio compared to farmers practice.

OFT-2

1.	Title of On farm Trial	Evaluation of nitrogen application in Lentil
2.	Problem diagnosed	Since rhizobium is not frequently applied and regular deficiency of N is detrimental for growth of Lentil
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice application of DAP@125 kg./ha. Tech. Opt. – 1 - DAP @125Kg/ha + 30 Kg Urea/ha as basal Tech. Opt. – 2 - DAP @125Kg/ha + 10 gram Urea/liter as foliar 30-35 days after DAS
4.	Source of Technology	IIPR. Kanpur

5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	No. of plant / sq. meter plant height , No. of grain per pot yield, Test weight, Net result & BC ratio.
7.	Final recommendation for micro level situation	Basal application of N enhances the Yield of Lentil
8.	Constraints identified and feedback for research	More study is needed
9.	Process of farmers participation and their reaction	The farmers were activator in this study. The result of studies has been appreciated by farmers.

Thematic area:

Problem definition: - Existing nutrient management in lentil is not sufficient to meet the Nitrogen requirement

Technology assessed: - Inclusion of Nitrogen as foliar and basal in lentil crop

Table: Comparative of LentilYield attributes & Yield

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of plan/sq. m	Grain/plant	Test wt. (100 grain wt.)						
Farmers Practice only DAP	14	94	1.51	18.6	-	9.6	18600	35520	16920	1.91:1
Tech. Option-1FP + 30 Kg/ha N as basal		96	1..64	18.9	-	12.9	19000	47730	28730	2.51:1

Tech. Option-2FP + Spray of 10 gram Urea/lt water		97	1.59	18.8	-	11.3	18850	41810	22960	2.22:1

Note: No. of farmers: 2(SC) +12(Others) =14; Lentil sell price – Rs. 3700/- quintal assumed

Results–KVK, Bhojpur had conducted one On-farm Trial on Evaluation of N application on Lentil. There were 14 replications and 3 trials in Rabi 2018.It was found that in Technical Option 1 there is increase in yield of 13.44 % and in Tech. Option 2 of 11.77 % .Thus application of N has significant impact on lentil production.

OFT-3

1.	Title of On farm Trial	Evaluation of short duration cauliflower cultivars
2.	Problem diagnose	Local short duration early cultivars of cauliflowers are poor yielder having poor curd quality.
3.	Details of technologies selected for assessment/refinement	Farmers practice(Sowing of early Kuwari) Tech. Opt. 1 – Sowing of Kashi Kuwari Tech. Opt. 2 – Sowing of Sabour Agrim
4.	Source of Technology	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Production of low volume and high value Crops
6.	Performance of the Technology with performance indicators	Days to Mature, Avg. curd weight, Increase/decrease in yield, Net return BC ratio.
7.	Final recommendation for micro level situation	'Sabour Agrim' is a good choice for early Cauliflower cultivation.
8.	Constraints identified and feedback for research	More study is needed as there is lack of awareness regarding existing cultivar.
9.	Process of farmers participation and their reaction	The farmers were activator in this study. The result of studies has been appreciated by farmers.

Thematic area:

Problem definition:-Local & old cultivars of Cauliflower are yielding small size curd, poor curd weight, and also lack of whiteness in the curd resulting poor yield as well as poor curd quality.

Technology assessed: -Short durations cauliflower cultivars i.e.'Kashi Kuwari' or 'Sabour Agrim'60- 65 days durations may be the substitute of the old cultivars in both way more yield as well as better curd quality.

Table: - Comparative of Cauliflower Yield attributes & Yield

Technology option	No. of trials	Yield component		Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of hill /ha	Avg.Curd wt.						
Farmers Practicei.e. cultivation of local cultivars i.e. Early Kuwari	14	40000	385		154.00	62500	154000	91500	2.46;1
Cultivation of 'Kashi Kuwari'		40000	428		178.00	65250	178000	112750	2.73:1
Cultivation of 'Sabour Agrim' '		40000	460		192.00	65250	192000	126750	2.94;1

Note: No. of farmers: 2(SC) +12(Others) =14; Duration of Crop for 'Sabour Agrim' the options was-60-65 and for local -70 to 75 Days. Cost of Cauliflower Rs.1000/q.

Results – KVK, Bhojpur had conducted an On-farm Trial on Evaluation of short duration cauliflower cultivars There were 14 replications and 3 trials in Late Kharif 2018.During third week of September cauliflower was transplanted. It was found that in Tech. Option 2, there is maximum increase in curd wt. (24.67%), and also in net profit of 38.52 %.

OFT-4

1.	Title of On farm Trial	Evaluation of Chemical control of Cercoscopora Leaf spot in Okra.
2.	Problem diagnose	Existing molecules are poor in efficacyand resulting in poor yield due to infection of Cercoscopora Leaf spot.

3.	Details of technologies selected for assessment/refinement	Farmers practices (i.e. spraying of Mancozeb 75WP@ 2 Kg/ ha Tech.Opt.-1 - Spraying of Carbandazime 50WP@ 1 Kg/ ha Tech.Opt.-2 - Spraying of Copper-Oxi-Chloride 50WP 3.0Kg/ha
4.	Source of Technology	TNAUAT, Coimbatore
5.	Production system and thematic area	Integrated Disease Management
6.	Performance of the Technology with performance indicators	Yield attributes, Yield and Economics
7.	Final recommendation for micro level situation	Spraying of Copper-Oxi-Chloride 50WP 3.0Kg/ha is a good choice for almost disease free good yield
8.	Constraints identified and feedback for research	More study is needed as there is lack of awareness regarding existing chemicals.
9.	Process of farmers participation and their reaction	The farmers were activator in this study. The result of studies has been appreciated by farmers.

Thematic area:

Problem definition: -Existing chemical Mancozeb is poor in control of disease.

Technology assessed: - Spraying of Carbandazime 50WP 500 gram/ha or Copper-Oxi-Chloride 50WP 3.0Kg/ha at had significant impact on control of Cercoscopora Leaf spot in Okra.

Table: Comparative of Okra Yield attributes & Yield

Technology Option	No. of trials	Yield component					Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Fruiting Started	Plant ht-cm	No. of branches	No. of Fruit /branches	Fruit Size-cm						

Farmers Practice i.e.Mancozeb 75% WP spray	14	45 DAS	106.3	12.2	7.9	10.12	42.2	97.6	34685	87840	53155	2.53:1
Tech. Option 1 Carbandazime 50WP 500 gram/ha spray		45 DAS	105.6	14.1	8.6	10.23	17.1	112.1	35685	100890	65205	2.83:1
Tech. Option 2 Copper-Oxi-Chloride 50WP 3.0Kg/ha spray		45 DAS	106.6	14.7	9.1	10.27	8.2	128.5	36485	115650	79165	3.17:1

Note: No. of farmers: 3(SC) +11(Others) =14. Cost of Okra Rs.900/Qt.

Results –KVK, Bhojpur had conducted an On-farm Trial Evaluation of different chemicals on control of Cercoscopora Leaf spot in Okra. There was 14 replications and 2 Technology Option in Kharif 2018.It was found that in Tech. Option 2 there is decrease of 40.9 % in disease and also increase over local in yield of 23.51 %.

OFT-5

1.	Title of On farm Trial	Evaluation of Chemical control of Late blight in Tomato
2.	Problem diagnose	Existing molecules are poor in efficacyand resulting in poor yield due to infection of Late blight in Tomato.
3.	Details of technologies selected for assessment/refinement	Farmers practices (i.e. spraying of Mancozeb 75WP@ 2 Kg/ ha Tech.Opt.-1 - Spraying of Carbandazime 50WP@ 1 Kg/ ha Tech.Opt.-2 - Spraying of Mancozeb 63% Carbandazime 12% @ 2 Kg/ ha
4.	Source of Technology	TNAUAT, Coimbatore
5.	Production system and thematic area	Integrated Disease management
6.	Performance of the Technology with performance indicators	Yield attributes, Yield and Economics
7.	Final recommendation for micro level situation	Spraying of Spraying of Mancozeb 63% Carbandazime 12% is a good choice for almost disease free good yield of Tomato.

8.	Constraints identified and feedback for research	More study is needed as there is lack of awareness regarding existing chemicals.
9.	Process of farmers participation and their reaction	The farmers were activator in this study. The result of studies has been appreciated by farmers.

Thematic area:

Problem definition: -Low yield of Tomato due to Late Blight disease.

Technology assessed: - To assess the Tomato productivity by Spraying of Carbandazime 50WP 1.0 Kg/ha or Mancozeb 63%+Carbandazime 12% 2.0Kg/ha against Late Blight disease.

Table: Comparative of Tomato Yield attributes & Yield

Technology Option	No. of trials	Disease/ insect pest incidence (%)			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of Fruit /branches	Fruit weight / plant (g)	Affected Plant %					
Farmers Practice i.e.Mancozeb 75% WP 2Kg/ha spray	14	18.2	578	15.9	165	38100	99000	60900	2.60:1
Tech. Option-1 Carbandazime 50WP 1 Kg/ha spray		29.4	624	7.1	198	39100	118800	79700	3.04:1
Tech. Option-2 Mancozeb 63%+ Carbandazime 12% 2.0Kg/ha spray		35.2	631	1.6	212	39600	127200	87600	3.21:1

Note: No. of farmers: 2(SC) +12(Others) =14. Cost of Okra Rs.600/Qt.

Results –KVK, Bhojpur had conducted an On-farm Trial Evaluation of different chemicals forcontrol of Late Blight diseasein Tomato. There was 14 replications and 2 Technology Option in Rabi 2018.It was found that in Tech. Option-1 &Tech. Option-2, there was less than 44.65%& 10.26%disease attack as compared to Farmers practice and also in both option increase over local in yield was 20 % & 28.49% respectively.

3.23.2 Achievements of Frontline Demonstrations Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year 2018-19 / KVK, Bhojpur

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	
1.	Wheat	Cropping system	Demo HYV Quality Wheat	10	10	10	40	50	
2.	Wheat	Weed Management	Weed control(Sulfoslfuran + Metsulfuran) in late sown Wheat	8	8	4	16	20	
				18	18	14	56	70	

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					
Wheat	Rabi	Irrigated Medium land	S. loam	301-329	23.5-30.2	287-328	Vegetable	5.11.2017	17.04.2019	0.00	-
Wheat	Rabi	Irrigated Medium land	S. loam	317-339	25.6.-29.4	294-317	Rice	06.12.2017	18.04.2019	0.00	-

Details of farming situation

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:

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat	Cropping system	Demo HYV Quality Wheat	30	12	51.3	46.1	11.28	27230	87210	59980	3.20:1	26000	78370	52370	3.01:1
Wheat	Weed Management	Weed control in late sown Wheat	20	8	41.8	37.4	11.77	26930	70890	43960	2.63:1	26230	63580	37350	2.42:1
Total			50	20											

Details of farming situation

Frontline demonstrations on oilseed crops

Frontline demonstration 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
Mustard	IPM	Chemical control of Aphids	10(2+8)	2.0	13.4	11.9	12.61	22455	53600	31145	2.39:1	20455	47600	27145	2.32:1

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

	Total		10(2+8)	2.0												

* 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

Details of farming situation

				N	P_2O_5	K_2O					
Lentil	Rabi	Rain fed	Clay loam	287-358	23.6-28.5	314-367	Rice	5.11.2018	21.03.2019	0.00	0
Chickpea	Rabi	Rain fed	Clay loam	307-371	22.4-30.2	309-353	Rice	6.11.2018	24.03.2019	0.00	0

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
Lentil	Micronutrient deficiency in crops	Boron application as foliar	20(4+16)	8.0	13.4	11.1	20.72	22100	53600	31500	2.43:1	21900	44400	22500	2.03 :1
Chick pea	Weed Management	Weed control in Chickpea through Pendimithiline @ 3.3 lt /ha as pre emergence	30(5+25)	6.0	12.1	10.8	12.04	24760	44770	20010	1.81:1	24460/-	39960	15500	1.63 :1
			50(9+41)	14.0											

* 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

Technical Feedback on the demonstrated technologies

Sl. No	Crop		Feed Back
1	Wheat	Cropping system	Very good variety
2	Wheat	Weed Management	The combination is working well.
3	Mustard	IPM	The medicine is excellent but causing skin allergy to the labors.
4	Lentil	Micronutrient deficiency in crops	Foliar application is working fairly well.
5	Chickpea	Weed Management	Perfect weed control in initial stage had been observed in chickpea field but latter on weed plants during late vegetative were found .

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
I	Wheat	Cropping system			
1.	Field days	12.03.2019	1	26	
2.	Farmers Training				
3.	Media coverage	27.12.2018	AIR recording 0n Wheat cultivation		
4.	Training for extension functionaries	9.10.2018	1	187	
II	Wheat	Weed Management			
1.	Field days	17.03.2019	1	24	
2.	Farmers Training				
3.	Media coverage	27.12.2018	AIR recording 0n Wheat cultivation		
4.	Training for extension functionaries	9.10.2018	1	187	
III	Mustard	IPM			
1.	Field days	26.12.2018 &18.02.2019	2	45	
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries	9.10.2018	1	187	
IV	Lentil	Micronutrient deficiency in crops			
1.	Field days	5.1.2019;28.02.2019	2	51	
2.	Farmers Training	29.11.2018	1	40	
3.	Media coverage				
4.	Training for extension functionaries	9.10.2018	1	187	
V	Lentil	Weed Management			
1.	Field days	06.03.2018	1	29	
2.	Farmers Training	29.12.2018	1	38	
3.	Media coverage				
4.	Training for extension functionaries	9.10.2018	1	187	

Demonstration details on crop hybrids –No Demonstration on Hybrids

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

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

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	1	21	4	25	-	-	-	-	-	9	21	4	25
Water management	1	36	-	36	3	-	3	-	-	-	39	-	39
Seed production	2	33	27	60	-	-	-	-	-	-	33	27	60
Nursery management													
Integrated Crop Management	3	79	-	79	2	-	2	-	-	-	81	-	81
Fodder production	8	107	97	204	15	21	36	-	-	-	128	112	240
Production of organic inputs													
Others, (Cultivation of Crop)													
Others (Mushroom Production)													
Others (Swachchhata hi Sewa													
Others (Organic Farming)													
Others (Machines & Agri Employment)													
Total	15	276	128	404	20	21	41	-	-	-	302	143	445
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													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental													

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
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													
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	5	148	22	170	12	-	12	-	-	-	160	22	182
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	3	104	13	117	4	1	5	-	-	-	108	14	122

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
Enterprise development													
Value addition	1	28	-	28	2	-	2	-	-	-	30	-	30
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	21	8	29	3	-	3	-	-	-	24	8	32
Rural Crafts													
Capacity building													
Women and child care													
Others, (Storage Loss)													
Total	**10**	**301**	**43**	**344**	**21**	**1**	**22**	-	-	-	**322**	**44**	**366**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, (Role of Mechanization for Doubling farm income)													
VII. Plant Protection													
Integrated Pest Management	9	243	32	275	10	70	17	-	-	-	254	38	292
Integrated Disease Management	1	11	15	26	-	4	4	-	-	-	11	19	30
Bio-control of pests and diseases	2	42	6	48	4	6	10	-	-	-	46	12	58
Production of bio control agents and bio pesticides	1	38	-	38	-	-	-	-	-	-	38	-	38
Others, (Storage of seed fertilizer & chemicals)													
Total	13	334	53	387	14	80	31	-	-	-	349	69	418
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													

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
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	5	90	19	109	28	20	48	-	-	-	118	39	157
Mobilization of social capital	1	40	-	40	2	-	2	-	-	-	42	-	42
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, (Mulching)													
Total	6	130	19	149	30	20	50	-	-	-	160	39	199
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Awareness for different kind of Soil & seed treatment)													
TOTAL	44	1041	243	1284	85	122	144	-	-	-	1133	295	1428

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	1	15	5	20	-	-	-	-	-	-	15	5	20
Bee-keeping	1	15	1	16	4	-	4	-	-	-	19	1	20
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													

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
Training and pruning of orchards													
Value addition	1	-	17	17	-	-	-	-	-	-	-	17	17
Production of quality animal products													
Dairying	1	25	7	32	3	16	19	-	-	-	28	23	51
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers	1	31	16	47	-	-	-	-	-	-	31	16	47
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others (Processing & Storage of Japanese mint)													
Others (CapacityBuilding& Leadership management													
Others (Post Harvest Management in Mango Orchard)													
Others (Scientific package in Marigold)													
TOTAL	**5**	**86**	**46**	**132**	**7**	**16**	**23**	**-**	**-**	**-**	**93**	**62**	**155**

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	26	916	28	944	-	-	-	-	-	-	916	28	944

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
crops													
Value addition													
Integrated Pest Management	11	406	14	420	-	-	-	-	-	-	406	14	420
Integrated Nutrient management	14	494	17	511	-	-	-	-	-	-	494	17	511
Rejuvenation of old orchards													
Protected cultivation technology	6	213	8	221	-	-	-	-	-	-	213	8	221
Formation and Management of SHGs	12	343	8	351	--	-	-	-	-	-	343	8	351
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	72	3	75	-	-	-	-	-	-	72	3	75
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	38	1	39	-	-	-	-	-	- 38	1	39	
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Others (Management of young plant/orchard)													
Crop Intensification													
TOTAL	**72**	**2482**	**79**	**2561**	**-**	**-**	**-**	**-**	**-**	**-**	**2482**	**79**	**2561**

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	80	-	80	6	-	6	-	-	-	86	-	86
Resource Conservation Technologies	9	401	30	431	57	14	71	-	-	-	458	44	502
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	7	147	19	166	17	24	41	-	-	-	164	43	207
Nursery management													
Integrated Crop Management	9	192	21	213	10	-	10	-	-	-	202	21	223
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	16	380	16	396	22	-	22	-	-	-	402	16	418
Others (Swachchta hi Sewa)													
Others (Organic Farming)													
Others(Machines Agri Employment)													
Total	42	1200	86	1286	112	38	150	-	-	-	1312	124	1436
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of 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	7	167	8	175	13	2	15	-	-	-	180	10	190
Soil and Water Conservation													
Integrated Nutrient Management	1	40	-	40	5	-	5	-	-	-	45	-	45

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	5	113	19	132	5	-	5	-	-	-	118	19	137
Others, if any													
Total	13	320	27	347	23	2	25	-	-	-	343	29	372
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	3	38	32	70	11	10	21	-	-	-	39	42	81
Design and development of low/minimum cost diet	2	-	47	47	-	9	9	-	-	-	-	56	56
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	3	17	34	51	9	17	26	-	-	-	26	51	77
Storage loss minimization techniques	2	45	-	45	-	-	-	-	-	-	45	-	45
Enterprise development													
Value addition	3	26	24	50	9	27	36	-	-	-	35	51	86
Income generation activities for empowerment of rural Women	4	52	74	126	3	4	7	-	-	-	55	78	133
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	3	18	35	53	3	19	22	-	-	-	21	54	75
Others, if any													
Total	20	196	246	442	35	86	121	-	-	-	221	332	553
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	28	-	28	-	-	-	-	-	-	28	-	28
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													
Total	1	28	-	28	-	-	-	-	-	-	28	-	28
VII. Plant Protection													
Integrated Pest Management	3	70	15	85	2	-	2	-	-	-	72	15	87
Integrated Disease Management	2	46	-	46	5	-	5	-	-	-	51	-	51
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	1	30	-	30	-	-	-	-	-	-	30	-	30
Others, if any (Storage of seed fertilizer & chemical)													
Total	6	146	15	161	7	-	7	-	-	-	153	15	168
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	2	44	18	62	1	5	6	-	-	-	45	23	68
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
Total	2	44	18	62	1	5	6	-	-	-	45	23	68
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	4	79	19	98	9	24	33	-	-	-	88	43	131
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, (Mulching)													
Others (Benefits of RCT through SHG for Stress Management**)**													
Total	4	79	19	98	9	24	33	-	-	-	88	43	131
XI Agro-forestry													
Production technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery management													
Integrated Farming Systems													
XII. Others (If Any)													
TOTAL	88	2013	411	2424	187	155	342	-	-	-	2190	566	2756

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													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
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													

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													
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

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													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value Addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
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													
Crop intensification													
Others													
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	80	-	80	6	-	6	-	-	-	86	-	86
Resource Conservation Technologies	5	310	20	330	45	10	55	-	-	-	355	30	385
Cropping Systems													
Crop Diversification													
Integrated Farming	1	21	4	25	-	-	-	-	-	-	21	4	25
Water management	1	36	-	36	3	-	3	-	-	-	39	-	39
Seed production	9	180	46	226	17	24	41	-	-	-	197	70	267
Nursery management													
Integrated Crop Management	11	271	21	292	10	-	10	-	-	-	283	21	304

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
Fodder production	8	107	97	204	15	21	36	-	-	-	28	112	240
Production of organic inputs													
Others, (cultivation of crops)	16	380	16	396	22	-	22	-	-	-	402	16	418
Others (Good Agronomic Practices for Pulses)													
Others (Mushroom production)													
Others (Swachchhata hi Sewa)													
Others (Organic Family)													
Others (Machines & Agri Employment													
TOTAL	52	1385	204	1589	118	55	173	-	-	-	1411	253	1764
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													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	1	40	-	40	5	-	5	-	-	-	45	-	45
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													
TOTAL	1	40	-	40	5	-	5	-	-	-	45	-	45
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	8	177	54	240	23	10	33	-	-	-	209	64	273
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	2	-	47	47	-	9	9	-	-	-	-	56	56
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	3	17	34	51	9	17	26	-	-	-	26	41	67
Storage loss minimization techniques	5	149	13	162	4	1	5	-	-	-	153	13	166
Enterprise development													
Value addition	4	54	24	78	11	27	38	-	-	-	65	51	116
Income generation activities for empowerment of rural Women	4	52	74	126	3	4	7	-	-	-	55	78	133
Location specific drudgery reduction technologies	1	21	8	29	3	-	3	-	-	-	24	8	32
Rural Crafts													
Capacity building													
Women and child care	3	18	35	53	3	19	22	-	-	-	21	54	75
Others, (Storage loss)													
TOTAL	30	488	289	786	56	87	143	-	-	-	553	365	929

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
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	42	-	42	-	-	-	-	-	-	42	-	42
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, (Role of Mechanization for doubling farm income)													
TOTAL	1	42	-	42	-	-	-	-	-	-	42	-	42
VII. Plant Protection													
Integrated Pest Management	12	313	47	360	12	7	19	-	-	-	326	53	379
Integrated Disease Management	3	57	15	72	5	4	9	-	-	-	62	19	81
Bio-control of pests and diseases	2	42	6	48	4	6	10	-	-	-	46	12	58
Production of bio control agents and bio pesticides	2	68	-	68	-	-	-	-	-	-	68	-	68
Others, if any (Storage of seed fertilizer & chemical)													
TOTAL	19	480	68	548	21	17	38	-	-	-	502	84	586
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and													

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
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, (Mulching)													
Others (Benefits of RCT through SHG for stren Management													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Awareness for different kind of Soil & seed treatment)													
TOTAL	103	2435	561	3005	200	159	359	-	-	-	2553	702	3366

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	3	90	19	109	-	3	3	-	-	-	60	22	82
Bee-keeping	1	15	1	16	4	-	4	-	-	-	19	1	20
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2	-	37	37	-	12	12	-	-	-	-	49	49
Production of quality animal products													
Dairying	1	25	7	32	3	16	19	-	-	-	28	23	51
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Ornamental fisheries													
Enterprises Development													
Para vets													
Para extension workers	1	31	16	47	-	-	-	-	-	-	31	16	47
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others (Processing & storage of Japanese Mint)													
Others (Capacity building													
Others (Post Harvest management in Mango orchard)													
Others (Scientific Package in Marigold)													
Others (IPM Fruits)													
TOTAL	8	161	80	241	7	31	38	-	-	-	138	111	249

Iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	26	916	28	944	-	-	-	-	-	-	916	28	944
Integrated Pest Management	11	406	14	420	-	-	-	-	-	-	406	14	420
Integrated Nutrient management	14	494	17	511	-	-	-	-	-	-	494	17	511
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	6	213	8	221	-	-	-	-	-	-	213	8	221
Formation and Management of SHGs	12	343	8	351	-	-	-	-	-	-	343	8	351
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													

Care and maintenance of farm machinery and implements	2	72	3	75	-	-	-	-	-	-	72	3	75
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													
Crop intensification													
Others (Management of young plant/ orchard)													
TOTAL	71	2444	78	2522	-	-	-	-	-	-	2444	78	2522
Grand Total	391	10662	1498	12169	486	483	906	-	-	-	11033	1893	13037

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
Agronomy										
2-5.1.19	PF	Integrated Farming System	4	On	7	13	20	3	6	9
8.1.19	PF	Kishan Chaupal on Use of Waste Decomposer	1	OFF	29	-	29	-	-	-
9.1.19	PF	Kishan Chaupal on Use of Waste Decomposer	1	OFF	12	-	12	-	-	-
12.1.19	EF	Use of Water Soluble fertilizer in Rabi Crops	1	ON	35	2	37	-	-	-
16.1.19	PF	FPO Formation and use of Wastes Decomposer. Better agriculture	1	OFF	29	-	29	-	-	-
16.1.19	PF	FPO Formation and use of Wastes Decomposer. Better agriculture	1	OFF	18	-	18	-	-	-
21.1.19	PF	FPO Formation and use of Wastes Decomposer better agriculture	1	OFF	22	5	27	1	-	1
27.1.19	PF	SHG & EPO Convergence	1	OFF	26	-	26	1	-	1
29.1.19	PF	Organic farming and use of waster Decomposer	1	OFF	24	-	24	2	-	2
30.1.19	PF	Use of waste Decomposer for FYM preparation	1	OFF	16	-	16	1	-	1
1.2.19	PF	Seed Certification and organic farming	1	ON	55	-	55	7	-	7

2.2.19	EF	Use of Post Emergence weedicides in wheat	1	ON	32	2	34	-	-	-
8.2.19	EF	Organic Farming and its various tools	2	OFF	32	3	35	-	-	-
12.2.19	PF	Organic farming scope in Bhojpur and advantages	1	OFF	-	46	46	-	1	1
16.2.19	EF	Crop planning in summer fallow for better use	1	ON	33	2	35	-	-	-
21.2.19	PF	DFI and Organic farming	1	OFF	24	-	24	2	-	2
22.2.19	EF	DFI with crop diversification	1	OFF	32	3	35	-	-	-
23.2..19	EF	Water Management in summer Crop	1	ON	30	2	32	-	-	-
23.2.19	PF	Use of Machines for better gainful employment	1	OFF	32	-	32	-	-	-
26.2.19	RY	Leadership community and Entrepreneurship development	3	ON	34	6	40	12	-	12
1-3.3.19	PF	Entrepreneurship in PACS	3	ON	35	-	35	-	-	-
2.3.19	EF	Advantage of Summer Green Gram Crop	1	ON	31	-	31	-	-	-
11.3.19	PF	With Control in chickpea with crop diversification	1	OFF	31	-	31	1	-	1
13.3.19	EF	Use of Bio fertilization for sustainable agriculture	1	OFF	19	-	19	-	-	-
15.3.19	EF	How to double income of farmers	1	ON	23	-	23	-	-	-
30.3.19	EF	Use of Waste Decomposer for maintenance of soil health	1	ON	35	1	36	-	-	-

Horticulture										
13-14.2.19	PF	INM in Onion	2	OFF	27	-	27	2	-	2
19.2.19	PF	Scientific package in Summer Okra	1	OFF	23	-	23	-	-	-
27.2.19	PF	Use of organic inputs in vegetable Cultivation	1	ON	30	-	30	1	-	1
23.2.19	EF	Scientific package in Wheat/Mango	1	ON	38	1	39	-	-	-
2.3.19	EF	Scientific cultivation of Rice/Guava	1	ON	37	1	38	-	-	-
22.3.19	PF	Technique of Drip Irrigation system in Mango Orchard	1	OFF	23	-	23	1	-	1
27.3.19	PF	Control of Mango Hopper & powdery Mildewin Mango	1	OFF	25	-	25	-	-	-
31.3.19	RY	Proper storage technique in Onion	1	OFF	28	-	28	2	-	2

Home Science										
3-4.1.19	PFW	Grain storage & vegetable storage Zero Cool Energy Chamber	2	ON	22	13	35	2	1	3
10-18.1.19	RY	Mushroom cultivation	10	OFF	22	8	30	-	1	1
21.1.19	PFW	Grading parameters for better marketing opportunity in veg. marketing	1	OFF	21	5	26	1	-	1
1.2.19	PFW	Control of Godown insect in cereals storage	1	ON	37	-	37	2	-	2
5-6.2.19	RY	Tomato Preservation	2	OFF	-	17	17	-	-	-
12.2-12.3.19	RY	Mushroom cultivation	29	ON	15	5	20	-	-	-
15-16.3.19	PFW	Preparation of balanced diet for children & Mothers	2	OFF	-	35	35	-	9	9
2-3.4.19	PFW	Drought tolerant cultivars for vegetable production through SHG's	2	OFF	26	-	26	9	-	9
8.4.19	PFW	Tomininze body stress in high temperature condition with use of fruit & beverage	1	OFF	-	26	26	-	15	15
2-3.5.19	PFW	Grading Parameters for better marketing opportunity in Veg. marketing	2	OFF	-	35	35	-	18	18
6-7.5.19	PFW	For Women employment role of SHG's	2	OFF	-	24	24	-	4	4
13-14.6.19	PFW	Development of Nutritional garden to improve health status of the farm family	2	OFF	16	10	26	7	8	15
20-21.6.19	PFW	Preparation of Different types of pickle from local material	2	OFF	14	11	25	8	9	17
27.6.19	PFW	Techniques of insect free pulses storage	1	OFF	25	-	25	-	-	-
13.7.19	EF	Control of godown insect in cereals storage	1	ON	38	1	39	-	-	-
15.7.19	PFW	Importance of Nutritional garden for human health	1	ON	3	22	25	-	-	-
20-21.7.19	PFW	Mushrom Cultivation & Grain storage	2	OFF	20	-	20	-	-	-
6-7.8.19	PFW	Development of Nutritional garden for gainful employment	2	OFF	19	-	19	-	-	-
8-9.8.19	PFW	Use of Pulses & Local vegetable in child diet	2	OFF	-	26	26	-	2	2
19.8.19	PFW	Backyard Poultry farming a	1	OFF	22	18	40	2	3	5

		good Source of income								
3-6.9.19	PFW	Use of pulses local Vegetable in Child Diet	2	OFF	21	2	23	3	2	5
12-13.9.19	PFW	Preparation of energy efficient diet	2	OFF	-	21	21	-	-	-
14.9.19	PFW	Mushroom Cultivation	1	OFF	32	-	32	-	-	-
16-19.9.19	PFW	Development of Nutritional garden to improve health status of the farm family	4	OFF	14	32	46	4	2	6
17.9.19	PFW	Importance of Nutritional Garden for human health	1	ON	41	-	41	6	-	6
21.9.19	PFW	Value addition of fruit & Vegetable	1	ON	38	-	38	-	-	-
11-12.10.19	PFW	Leadership development for entrepreneurship character development in rural Women	2	OFF	-	27	27	-	13	13
14-23.10.19	RY	Mushroom Cultivation	10	OFF	23	9	32	-	2	2
24.10.19	PFW	Development of nutritional garden to improved health status of the farm family	1	ON	54	-	54	6	-	6
6-7.11.19	PFW	Mushroom Cultivation	1	OFF	-	35	35	-	-	-
14.11.19	PFW	Drudgery reduction through Weedecid in Vegetable Production	1	ON	24	8	32	3	-	3
21.11.19	PFW	Development of nutritional garden to improve health status of the farm family	1	ON	35	-	35	-	-	-
22.11.19	PFW	Control of household pest in Paddy	1	ON	49	1	50	-	-	-
5.12.19	PFW	Importance of Nutritional garden for human health	1	ON	27	-	27	-	-	-
11-13.12.19	PFW	Grading Parameters of better marketing opportunity in vegetable marketing	3	ON	30	-	30	2	-	2
17-18.12.19	PFW	Mushroom Cultivation	2	OFF	-	26	26	-	2	2
23-31.12.19	RY	Preparation of different types of Pickle from locally available material.	7	OFF	-	32	32	-	12	12
PBG										
2.1.19	PF	Seed production of Lentil	1	OFF	21	-	21	-	-	-
3.1.19	PF	Integrated farming system	1	ON	10	15	25	-	-	-
5.1.19	EF	Integrated Weed Management	1	ON	37	1	38	-	-	-
12.1.19	EF	Integrated Weed Management	1	ON	37	1	38	-	-	-
19.1.19	EF	Integrated Weed Management	1	ON	37	1	38	-	-	-
28.1.19	PF	Scientific cultivation of Wheat	1	OFF	22	-	22	-	-	-
1.2.19	PF	Importance of Roughing in seed production	1	OFF	37	-	37	2	-	2
2.2.19	EF	Principal of Seed Production	1	ON	37	1	38	-	-	-
7.2.19	PF	Nutrient management in Chickpea	1	OFF	20	4	24	-	-	-
9.2.19	EF	Principal of seed production	1	ON	37	1	38	-	-	-
16.2.19	EF	Integrated Pest Management	1	ON	37	1	38	-	-	-
23.2.19	EF	Integrated Pest Management	1	ON	37	1	38	-	-	-
2.3.19	EF	Scientific cultivation of Rice	1	ON	37	1	38	-	-	-
9.3.19	EF	Scientific cultivation of Rabi Oilseed	1	ON	37	1	38	-	-	-
12.3.19	PF	Scientific cultivation of Moong	1	OFF	22	-	22	-	-	-
16.3.19	EF	Scientific cultivation of Rice	1	ON	37	1	38	-	-	-

25.3.19	PF	Scientific cultivation of Onion	1	OFF	23	-	23	2	-	2
30.3.19	EF	Scientific cultivation of Rice	1	ON	37	1	38	-	-	-
6.4.19	EF	Scientific cultivation of Rice	1	ON	37	1	38	-	-	-
10.4.19	PF	Scientific cultivation of Moong	1	OFF	21	-	21	-	-	-
11.4.19	EF	Scientific cultivation of Maize	1	ON	37	1	38	-	-	-
20.4.19	EF	Awareness to seed Act.	1	ON	37	1	38	-	-	-
4.5.19	EF	Scientific Cultivation of Soyabeen	1	ON	23	1	30	-	-	-
11.5.19	EF	Scientific cultivation of Maize	1	ON	35	1	36	-	-	-
21.5.19	EF	Principal of Seed Production	1	ON	36	1	37	-	-	-
25.5.19	EF	Skill Development in Agriculture	1	ON	36	1	37	-	-	-
29.5.19	PF	Scientific cultivation of Rice	1	OFF	22	-	22	-	-	-
31.5.19	PF	Scientific cultivation of Hybrid Maize	1	OFF	23	-	23	-	-	-
1.6.19	EF	Importance of Crop Insurance	1	ON	34	1	35	-	-	-
2.6.19	PF	Scientific cultivation of Maize	1	OFF	20	5	25	-	-	-
5.6.19	PF	Scientific cultivation of Scented Rice	1	OFF	25	1	26	-	-	-
18.6.19	PF	Scientific cultivation of Hybrid Rice	1	OFF	27	-	27	-	-	-
22.6.19	EF	Temperature and Rainfall effect in Agriculture	1	ON	34	1	34	-	-	-
26.6.19	PF	Scientific cultivation of Maize	1	OFF	27	-	27	-	-	-
27.6.19	PF	Scientific cultivation of Fine Rice	1	OFF	25	-	25	-	-	-
28.6.19	PF	Scientific cultivation of Maize	1	OFF	25	-	25	-	-	-
29.6.19	EF	Problematic Soil and Management	1	ON	32	2	34	-	-	-
6.7.19	EF	Integrated Nutrient Management	1	ON	34	2	36	-	-	-
13.7.19	EF	Importance of Seed Treatment	1	ON	38	1	39	-	-	-
15.7.19	PF	Seed Production of Rice	1	ON	3	22	25	-	-	-
16.7.19	PF	Seed Production of Rice	1	OFF	17	43	60	7	24	31
20.7.19	EF	Identification of Weeds	1	ON	34	2	36	-	-	-
27.7.19	EF	Seed Production and Process of Certification	1	ON	35	2	37	-	-	-
3.8.19	EF	Integrated Weed Management	1	ON	37	2	39	-	-	-
17.8.19	EF	Scientific cultivation of Rice	1	ON	36	1	37	-	-	-
31.8.19	EF	Scientific cultivation of Mustard	1	ON	37	2	39	-	-	-
4.9.19	PF	Seed Production of Rice	1	OFF	21	-	21	8	-	8
5.9.19	PF	Scientific cultivation of Rice	1	OFF	19	-	19	7	-	7
7.9.19	EF	Scientific cultivation of Wheat	1	ON	30	-	30	-	-	-
12.9.19	PF	INM in Rice	1	OFF	21	-	21	2	-	2
13.9.19	PF	Seed Production of Rice	1	OFF	20	-	20	-	-	-
25.9.19	PF	Seed Production of Lentil	1	OFF	20	-	20	-	-	-
2.10.19	PF	Scientific cultivation of Mustard	1	OFF	50	10	60	10	-	10
16.10.19	PF	Seed Production of Lentil	1	ON	30	5	35	-	-	-
18.10.19	PF	Scientific Cultivation of Pea	1	OFF	21	-	21	-	-	-
6.11.19	PF	Use of Bio- fertilizer in Crop	1	ON	22	-	22	-	-	-
9.11.19	PF	Crop Residue management in Rice	1	OFF	35	-	35	5	-	5
14.11.19	PF	Use of Drip Irrigation in Vegetable	1	ON	32	-	32	2	-	2
23.11.19	PF	Scientific cultivation of Chickpea	1	OFF	30	-	30	3	-	3
5.12.19	PF	Importance of Micro nutrient in crop	1	ON	27	-	27	-	-	-
7.12.19	PF	Use of Bio fertilizer in Chickpea	1	OFF	26	2	28	2	-	2
11.12.19	PF	Use of Balance fertilizer in Rabi	1	OFF	25	1	26	2	-	2

		Crop								
12.12.19	PF	Foliar spray of Water Soluble fertilizer to reduce plant stress	1	OFF	29	3	32	4	-	4
14.12.19	PF	Importance of micro nutrient in Lentil	1	OFF	28	5	33	-	-	-
20.12.19	PF	Use of Zero tillage Seed cum Fertilizer drill for Lentil and Gram	1	OFF	30	-	30	2	-	2
25.12.19	PF	INM in Wheat	1	OFF	28	-	28	-	-	-
30.12.19	PF	Use of Water soluble fertilizer in Pulses	1	OFF	25	6	31	-	-	-
21.12.19	EF	Importance of Soil test and their Uses	1	ON	37	-	37	-	-	-
28.12.19	EF	INM	1	ON	37	-	37	-	-	-
Plant Protection										
3.1.19	PF	Biological Pest Control	1	ON	9	11	20	4	6	10
30.1.19	PF	Pod Borer control in Lentil	1	OFF	17	-	17	2	-	2
7.2.19	PF	Pod Borer in Lentil & Gram	1	ON	26	-	26	2	-	2
13.2.19	PF	Integrated Pest Management in Vegetable	1	ON	30	1	31	4	-	4
15.2.19	PF	Insect &Pest Control in Pulses	1	ON	26	-	26	1	-	1
11.3.19	PF	Organic Farming	1	ON	27	-	27	3	-	3
25.3.19	PF	Commercial Mushroom Production	1	ON	12	2	14	1	-	1
20.2-19.3.19	RY	Beekeeping Training	15	ON	19	1	20	4	-	4
6.4.19	PF	Method of Organic Farming	1	ON	37	1	38	-	-	-
11.4.19	PF	Use & Preparation of Bio pesticide	1	ON	37	1	38	-	-	-
20.4.19	PF	Insect & Pest Management	1	ON	37	1	38	-	-	-
27.4.19	PF	Identification of Beneficial & Harmful Insect	1	ON	37	1	38	-	-	-
2.5.19	PF	Disease control in Paddy Nursery	1	OFF	25	-	25	2	-	2
4.5.19	PF	Nematodes Control in Paddy Nursery	1	OFF	26	-	26	3	-	3
21.5.19	EF	Ratos Control	1	ON	38	-	38	-	-	-
25.5.19	EF	Use of Bio Pesticides	1	ON	38	-	38	-	-	-
7-9.6.19	PF	Fodder Production	3	ON	30	-	30	1	-	1
10-12.6.19	PF	Fodder Production	3	ON	17	13	30	-	-	-
13-19.6.19	PF	Insect Control in Radish & Vegetables	7	ON	8	22	30	1	2	3
17-19.6.19	PF	Fodder Production in RABI	3	ON	19	11	30	6	6	12
20-22.6.19	PF	Fodder Production	3	ON	30	-	30	-	-	-
1-3.7.19	PF	IPM in Vegetable	3	ON	16	14	30	-	5	5
4-6.7.19	PF	Fodder Management in Rainy Season	3	ON	9	21	30	-	8	8
8-10.7.19	PF	Cultivation of Maize & Lobia for Fodder	3	ON	12	18	30	3	1	4
11-13.7.19	PF	Fodder Production in Rabi	3	ON	20	10	30	5	2	7
15-17.7.19	PF	Control of Wilt disease in Vegetable	3	ON	11	19	30	-	4	4
18-20.7.19	PF	Proteionus Fodder Production	3	ON	-	30	30	-	4	4
18.8.19	PF	Components of Organic Farming	1	OFF	20	-	20	-	-	-

29.8.19	PF	Vermi Compost Production	1	OFF	25	23	48	1	5	6
1-16.8.19	RY	Modern Dairy & Cattle Management	15	ON	28	23	51	3	16	19
3.8.19	EF	IPM in Paddy	1	ON	35	2	37	-	-	-
10.8.19	EF	IPM in Vegetable	1	ON	36	2	38	-	-	-
24.8.19	EF	Control of Fall Army Worm	1	ON	37	2	39	-	-	-
5.9.19	PF	Insect & Pest Control in Vegetable	1	ON	36	-	36	-	-	-
9.9.19	PF	Training on Water Recharge & Irrigation at Dumaria	1	OFF	42	-	42	-	-	-
20.9.19	PF	Irrigation System in standing crop	1	ON	39	-	39	3	-	3
21.9.19	PF	Insect & Pest Management in Paddy	1	ON	37	-	37	2	-	2
12.10.19	PF	Training on False smut disease control in Paddy	1	OFF	15	-	15	-	-	-
19.10.19	PF	Use of Bio agents	1	OFF	30	-	30	-	-	-
24.10.19	PF	Training on Zero Tillage Technology	1	OFF	180	30	210	28	10	38
26.10.19	PF	Training on Zero Tillage	1	OFF	78	-	78	8	-	8
28.10.19	PF	Weed control in Rabi	1	OFF	86	-	86	6	-	6
20.11.19	PF	Training on Garma Seed Production	1	OFF	28	-	28	-	-	-
14.12.19	EF	Integrated Pest Management	1	ON	40	-	40	-	-	-
15.12.19	PF	Importance of Micro Nutrients in Lentil	1	OFF	45	-	45	5	-	5
19-21.12.19	PF	Training on Integrated Farming	3	ON	21	4	25	-	-	-
23.12.19	PF	Aphid Control in Mustard	1	OFF	40	15	55	-	-	-
17-31.12.19	RY	Method of Communication	15	ON	31	16	47	-	-	-
Ag. Ext.										
3.1.19	PF	Role of SHGs for Enhancing farm income	1	ON	15	10	25	15	10	25
5.1.19	EF	Importance of Micro Irrigation system for DFI	1	ON	37	1	38	-	-	-
12.1.19	EF	Importance of Mechanization for DFI	1	ON	37	1	38	-	-	-
19.1.19	EF	Awareness about different Subsidies Scheme of GOB	1	ON	37	1	38	-	-	-
21.1.19	PF	Role of SHGs for Enhancing farm income	1	OFF	21	-	21	-	-	-
1.2.19	PF	Role of SHGs for seed production	1	ON	37	-	37	2	-	2
2.2.19	EF	Role of SHGs for seed production	1	ON	37	1	38	-	-	-
7.2.19	PF	Importance of Seed & Soil treatment for DFI	1	OFF	20	4	24	-	-	-
16.2.19	EF	Clarification of different types of Insecticides	1	ON	37	1	38	-	-	-
23.2.19	EF	Clarification of different types of Insecticides	1	ON	37	1	38	-	-	-
2.3.19	EF	Importance of RCT in Paddy	1	ON	37	1	38	-	-	-
9.3.19	EF	Importance of seed treatment in Rabi crops	1	ON	37	1	38	-	-	-
12.3.19	PF	Importance of Seed & Soil treatment for Crop production	1	OFF	22	-	22	-	-	-
25.3.19	PF	Role of Green Mannuring for better crop production	1	OFF	23	-	23	2	-	2
30.3.19	EF	Importance of Seed & Soil	1	ON	37	1	38	-	-	-

		treatment for Crop production								
6.4.19	EF	SRI Technique of Paddy for Doubling Farm Income	1	ON	37	1	38	-	-	-
10.4.19	PF	Method & Importance of Soil testing for DFI	1	OFF	21	-	21	-	-	-
11.4.19	EF	Production of V. C. and use of Waste Decomposer	1	ON	37	1	38	-	-	-
20.4.19	EF	Basic Principal of Organic farming role of Green Mannuring	1	ON	37	1	38	-	-	-
4.5.19	EF	Role of farm Mechanization in D.F.I.	1	ON	29	1	30	-	-	-
11.5.19	EF	Awareness about different Schemes of GOB	1	ON	35	1	36	-	-	-
21.5.19	EF	Formation & Importance of SHG's for challenge of climate change	1	ON	36	1	37	-	-	-
25.5.19	EF	Role of FPO for seed production	1	ON	36	1	37	-	-	-
30.5.19	PF	Method & Importance of Soil testing for changing farm income	1	OFF	28	10	38	3	-	3
31.5.19	PF	DSR & ZT for minimizing moisture loss	1	OFF	33	2	35	5	-	5
1.6.19	EF	SHG's & FPO is helping for Marginal farmers	1	ON	34	1	35	-	-	-
4.6.19	PF	Importance of DSR & ZT for minimizing moisture loss	1	OFF	24	6	30	4	4	8
6.6.19	PF	Benefit of Soil & Seed Treatment for DFI	1	OFF	27	5	32	2	-	2
7.6.19	PF	Importance of DSR & ZT for minimizing moisture loss	1	OFF	26	6	32	3	-	3
15.6.19	EF	Importance of farmers field school & other	1	ON	34	1	35	-	-	-
22.6.19	EF	Role of Climate change in Agriculture and its effect	1	ON	34	1	35	-	-	-
26.6.19	PF	Use of Wast Decomposer for Recycling of Agril. Waste	1	OFF	27	-	27	-	-	-
28.6.19	PF	Capacity building among farmers for seed production	1	OFF	25	-	25	-	-	-
29.6.19	EF	Importance of method of Soil testing for Enhancing farm income	1	ON	32	2	34	-	-	-
15.7.19	PF	How SHG's help small & Marginal Farmers	1	ON	22	3	25	-	-	-
16.7.19	PF	How SHG's help small & Marginal Farmers	1	OFF	17	43	60	7	24	31
20.7.19	EF	Importance of Weed Management for DFI	1	ON	34	2	36	-	-	-
27.7.19	EF	Importance of Irrigation water & micro irrigation system	1	ON	35	2	37	-	-	-
3.8.19	EF	Role of Agril. Mechanization for DFI	1	ON	37	2	39	-	-	-
24.8.19	EF	Scientific cultivation of Rabi Pulses	1	ON	37	2	39	-	-	-
6.9.19	PF	Formation of FPO for seed Production	1	OFF	25	-	25	2	-	2
7.9.19	EF	Importance of Organic farming	1	ON	28	2	30	-	-	-
14.9.19	EF	Installations of Micro irrigation system through SHG's	1	ON	31	1	32	-	-	-
21.9.19	EF	SRI & ZT Wheat for enhancing	1	ON	36	2	38	-	-	-

		farmers income								
25.9.19	PF	How SHG's help small & Marginal farmers	1	ON	21	10	31	7	2	9
12.10.19	PF	How SHG's help small & Marginal farmers	1	ON	23	16	39	4	8	12
17.10.19	EF	Use of West Decomposer for recycling of agri. Waste to control cropping	1	ON	25	2	27	-	-	-
19.10.19	EF	How SHG's help small & Marginal farmers	1	ON	33	2	35	-	-	-
11.11.19	PF	Direct Seeding of Wheat with ZT from minimizing moisture loss	1	OFF	20	-	20	-	-	-
23.11.19	PF	Use of waste Decomposer for recycling Agril. Waste	1	OFF	30	-	30	3	-	3
26.11.19	PF	Awareness about different Subsidies Scheme of GOB	1	ON	42	-	42	2	-	2
11-13.12.19	EF	Preparation of SREP	3	ON	29	-	29	-	-	-
14.12.19	EF	How SHG's help small & Marginal farmers	1	ON	38	-	38	-	-	-
17.12.19	PF	Role of Micro nutrient and Green Mannuring	1	OFF	25	4	29	3	-	3
18.12.19	PF	Role of Micro nutrient and Green Mannuring	1	OFF	20	6	26	2	2	4
20.12.19	PF	Use of waste Decomposer for recycling Agril. Waste	1	OFF	28	-	28	1	-	1
21.12.19	EF	Formation of SHG's for helps Small & Marginal farmers	1	ON	37	-	37	-	-	-
28.12.19	EF	Role of PGR in better Crop production	1	ON	37	-	37	-	-	-
30.12.19	PF	Use of waste Decomposer for recycling Agril. Waste	1	OFF	27	-	27	2	-	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	Number of units	Number of persons employed	
										-
										-
										-
										-

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
												-	76	12	-	88	DAO
												-	17	1	-	18	JEEVIKA

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	21	512	25	537	12.45	129	-	129	641	25	666
KishanMela	5	2524	370	2894	15.23	706	63	769	3230	433	3663
Kishan Goshthi	81	12592	2451	15043	20.51	4238	202	4440	16830	2653	19483
Exhibition											
Film Show	54										
Method Demonstrations											
Farmers Seminar											
Workshop	1	80	-	80	19.21	38	-	38	118	-	118
Group meetings											
Lectures delivered as resource persons	38										
Advisory Services	5807	5807	-	5807	15.75				5807	-	5807
Scientific visit to farmers field	39	814	-	814	14.7				814	-	814
Farmers visit to KVK	3066	3066	-	3066	21.6				3066	-	3066
Diagnostic visits											
Exposure visits											
Ex-trainees Sammelan	2	63	-	63	10.17	-	-	-	-	-	-
Soil health Camp											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											

MahilaMandals Conveners meetings											
Celebration of important days (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
MahilaKishan Divas	1	-	55	55	13.2	-	6	6	-	61	61
Kishan Samman Nidhi Web casting	1	296	319	615	48.29	104	4	108	400	323	723
National Youth Day	1	99	29	128	21.26	7	-	7	106	29	135
Jai Jawan Jai Kishan Diwas	1	62	-	62	12.5	4	-	4	66	-	66
Jal Shakti Abhiya 23.12.2019	6	1686	504	2190	15.75	85	21	106	1771	525	2296
World Soil Health Day	1	49	8	57	12.37	5	-	5	54	8	62
National Milk Day	1	19	27	46	6.52	-	-	-	19	27	46
World Environment Day	1	84	70	154	-	27	8	35	111	78	189
Parthenium Week	1	-	-	-	-	45	-	-	-	-	-
National Nutritional Week	1	-	35	35	100	4	1	5	4	31	35
World Food Day	1	-	-	-	-	-	-	-	-	-	-
Any Other (Plantation & Croft Seminar)	3	528	78	606	15.78	35	19	54	563	97	660
Any Other (Jai Jawan Jai Vigyan Week)											
Total	9147	29063	3971	33034	388.94	5510	324	5789	34465	4290	38765

Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	80
Radio talks	6
TV talks	3
Popular articles	8
Extension Literature	7
Other, if any	

Other Extension activitiesOther Extension activities

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
Paddy	Sahbhagi	700	1260000	100	265
	MTU -7029	500	900000	80	400
Wheat	HD -2967	4500	8100000	450	1500

Lentil	PL-8	500	2500000	80	600
Lentil	HUL-57	400	2000000	80	850
Total		**6600**	**12960000**	**790**	**3575**

KVK farm

Crop	Variety	Quantity of seed* (q)	Value (Rs)	Number of farmers to whom seed provided
Paddy	MTU -7029	21.10	63300.00	28
	R. Sweta	20.44	65408.00	26
	R. Kasturi	4.35	16095.00	14
Total		**45.89**	**144803.00**	**68**
Wheat	HD-2733			
	HD-2967			
	HI-1563			
	HUW-234			
Total				
Barseem	Vardan	As Green Fodder 249 q	99600.00	315
•				• Seed is under processing.
Grand Total				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided
Vegetable seedlings				
Cauliflower				
Cabbage	Early Kuwari	260500	12500.00	100
Tomato				
Brinjal				
Chilly				
Onion	Agri. Found Light Red	200000	10000.00	125
Others				
Fruits				
Mango	Maldah, Shipiya, Langda	9700	582000.00	653
Guava				
Lime				
Papaya	Red Lady	3500	17500.00	28
Banana				
Others Drum Stick				
Ornamental plants				

Medicinal and Aromatic				
Plantation	Teak	15250	457500.00	371
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				1277

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted
Bio-fertilizers			
Bio-pesticide			
Bio-fungicide			
Bio-agents			
Others, Vermi compost	95000.0	570000.00	124
Total			

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted
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				

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:

Name of Nodal Officer :	Dr. P. K. Dwivedi
Address :	Sr. Scientist & Head Krishi Vigyan Kendra, Bhojpur, Ara
e-mail :	bhojpurkvk@gmail.com
Phone No. : Mobile :	9431091369

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	Lentil	IPL-316(4 ha) PL-8(36 ha)	500	40 ha.	32 Qt. 300 Qt.	F/S C/S
	Chick Pea	RVG -202(12 ha) RVG – 203(2 ha) GNG –1581(26 ha)	500	40 ha.	110 Qt. 4.0 Qt. 320Qt.	F/S F/S C/S
Summer/Spring 2018			1000.0	80.0	766.00	

iii) Financial Progress

Fund received (2016-17 and 2017-18)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17- Infrastructure- 50.00 lakh Revolving fund 30.00 lakh	62000	528000	7410000	
2017-18	4560885	4850000		

Revolving fund 41.00 lakh				
2018-19 Revolving fund 29.00 lakh	437306			

iv) Infrastructure Development

Item	Progress
Seed processing unit	Seed Processing Unit has been Purchased. Seed storage structure i.e. Seed Godown complete.
Seed storage structure	

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

Item	Title	Authors name	Number	Circulation
Popular Article	Dhaicha Green Manure Crop	Dr. P. K. Dwivedi	500	500
	Rice nursery management	-Do-	500	500
	Cultivation of Gram	-Do-	500	500
	Cultivation of Lentil	-Do-	500	500
	Cultivation of Mustard	-Do-	500	500
	Scientific Cultivation of Brinjal	Sri Nilesh Kumar	50	50
	Scientific Guava Cultivation	-Do-	100	100
	Cultivation of Early Cauliflower	-Do-	50	50
	Package & Practice of Green Chilly	-Do-	50	50
	Deficiency of Iodine Problem & Solution	Smt. Supriya Verma	50	50
	Nutrient for Pregnant Mother	-Do-	100	100
	Makka Ki Unnat Kheti	Sri S. B. K. Shashi	150	150
	Weed Control in DSR	-Do-	100	100
	Importance of IPM in Paddy Cultivation	-Do-	150	150
	IDM in Paddy	-Do-	50	50
TOTAL	**15**		**3350**	**3350**

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	Skill India	Smt. Supriya Verma SMS (H. Sc.)	July 2018(3 days)	BAU, Ranchi
3	ICAR Short term training course	Non vertebrate Insect & pest Control	Sri S. B. K. Shashi SMS (PP)	7-14.01,2019 to 14.01.2019 (7 Days)	Nawsari Agriculture University, Gujrat
3	Workshop	OFT	Sri S. B. K. Shashi SMS (PP)	16-17.02.2019 (2 days)	BAU, Sabour
4	Workshop	OFT	Sri Nilesh Kumar	16-17.02.2019 (2 5days)	BAU, Sabour
5	Workshop	OFT	Dr.Anil Kumar Yadav SMS (PBG)	18-19.02.2019 (2 days)	BAU, Sabour

6	ICAR Short term training course	CIPM	Sri S. B. K. Shashi SMS (PP)	26.2.2019 to 28.2.2019 (7 Days)	BAU, Ranchi

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

Story – 1

Quality Seed Production

1. Integration of Farmers group for Pulses and allied Seed Production

2. Agro-ecology, Farming Situation Analysis with Problem Statement (not more than 150 words): **Mr. Pravin Kumar Singh,**Village Hematpur, Ara was a 32 years Matriculate farmer having 8 ha **land in flood prone area** with minimum or **no Kharif** crop. He with co-villegers of Hematpur and adjoining areas were traditionally growing Maize and Paddy during Kharif and many of times due to flood, there was no yield in Kharif season . Thus, Kharif crops was as good as gamble in this northern part of Ara Block due Gangetic floods.

During 2010-11,under"**Technology Demonstration for Harnessing Pulses Production**" programme, KVK, SCADA, Bhojpur has taken initiation for Lentil Demonstration with a very promising variety **HUL-57**. For their surprise, the Lentil yield was 12-16 qt./ha. with all odds. There was strong demand for this cultivars and shared by adjoing farmers like hot cake.

3.Brief Description of Technology

The farmer's reaction had given an idea to Mr. Singh that Pulses seed production may be a profitable avenue. He organized a meeting and after detailed discussion, an Association of seed producer was formed. Heapproached KVK, for further technological help. Training was organized by KVK and for marketing the group was attached with Bihar Rajya Beej Nigam (BRBN).

In year2012-13, Mr. Singh and his associates (18 farmers) has produced 375 qt. Lentil and 237 qt. Gram seeds with a gross turnover of Rs. 22 Lakh.

In Second year this innovation of Mr. Singh has motivated a large numbers of farmers and in an area of 352.0 ha. Mr. Singh and Associates (177 farmers) started production of Pulses seeds which was largest in Bihar under a single District.During 2016-17, more than210active members in 10 villages were producind various crops seeds.Mr. Singh& Group had produced 3622 Qt Lentil, 1088 Qt Chickpea, 2800 Qt Wheat , 5200 Qt Oat, 5 Qt Coriender Seeds(worth Rs.40 milliom.)

4. Impact Analysis:

Impact factor	Before Adoption	After Adoption

Farmer Practice(In case of lentil seed production)	Local cultivar for consumption	Seed production for marketing
Yield of Product	8.1 Qt/ha	12.3 Qt/ha
Fixed Cost	Rs.100.00	Rs.100.00
Recurring Cost	Rs.17995.00	Rs. 31420.00
Gross Income	Rs.32400.00	Rs 67650.00
Net Profit	14305.00	Rs. 36130.00
B:C Ratio	1.79	2.15
Marketing	Local middle man	Seed Company
Dissemination of knowledge in the locality		
Knowledge gain based on 1- 5 scale*	2	4
Feeling of economic security based on 1- 5 scale*	2	5
Ability to understand and solve problems based on 1- 5 scale*	2	4
Self image in community based on 1- 5 scale*	3	4
Self confidence based on 1- 5 scale*	3	5

* 1- 5 scale indicates 1 = lowest and 5 = highest

Non Seed sell Price Rs. 4000/Qt

Seed Sell Price Rs. 5500/

5**. Benefits**

Now, Praveen Kumar Singh with the help of KVK and Government agencies has his own **Composite Seed Processing Plant** with a capacity of**3.5 Ton/hr** on Wheat base(In year2016, Cost Rs. 28 Lakh) & Registered Seed Company (M/s Shiv Ganga Seeds Village –Tenua, P.O.-Dhamar, Dist,-Bhojpur(Bihar), Registered in 2016-17).

The **Present turnover** of the M/s Shiv Ganga Seed Companyis more than **Rs.40 million**.

6. Adoption, Spread,Up Scaling of Technology and Future Projection:-

Now the seed production technology had spread to more than 11 Villages in having trained farmers more than 450 in numbers who are producing various Seeds of Certified and Foundation category related to Cereals, Pulses, Oilseeds, Fodder and Spices.

During present Rabi 2017-18, for Chickpea 60 farmers, for Lentil- 110 farmers, for Wheat – 250farmers, for Barley 12farmers; Oat 12farmers and Toria to 8farmers applied for registration in Bihar State Seed& Organic Farming Certification Agency, Mithapur, Patna for seed productionas the Seed company Seed grower.

7. Relevant, action and attractive, clear, high resolution photographs with proper CAPTION related to success stories

Details of Company with Address

Praveen Kumar Singh with hip of Lentil

Technology Demonstration for Harnessing Pulses Production
The key factor leadind to establishment of Seed Company

Present VC,BAU Bihar and then Director ATARI Kolkata interacting with Pravin Kumar Singh and farmers during seed production cum Demonstration Field visit in Hematpur.

Director ATARI Kolkata interacting with farmers during Demonstration Field visit in Hematpur.

Harvested seed crop

Mustard Seed Crop

Praveen Kr Singh Seed Processing Plant& Seed Production Plot inspection By PC KVK, DAO and PD Bhojpur

Story – 2

Conservation and Management of Natural Resources – Vermi Compost Production

1. Title of the technology: Integration of Agri and Animal waste for Vermi compost Production

2. Agro-ecology, Farming Situation Analysis with Problem:

Mr. Jitendra Kumar Singh,Village Baruna, Bihiya,Bhojpur was a 32 yearsMBA farmer having 0.8 ha **land in rainfed area** with insufficient crop to support his family. Hetried to work in Privet sector dealing with Organic fertilizers for 4 years. This gave him idea to start his own enterprise in productiomn of Vermicompost and his marketing experience will certaily be helpful

During 2014, he came in contact of KVK, SCADA, Bhojpur and proper techlogical support for the Vermicompost production was shared. Finally the unit was established with his own earnd moneyand support from friend and relatives.

3. Brief Description of Technology, The marketing exposure had given an idea to Mr. Singh that Vermicompost production may be a profitable avenue. Heapproached KVK, for further technological help. Training was organized by KVK and for marketing he used his previous contacts and network.

For running his unit, he is collecting water hyacinth from local pond and water bodies and purchasing cow dung around 22-24 Tractor Taylor @ Rs.2200/ Taylor thus giving economic support to dairy farmers and also contributing in SwachchhataAbhiyan in villages.

Seeing his success PNB, Bihiya, has sanctioned Rs.5 lakh loan and 4 lakh Current Credit and within nine months he had repaid Rs 2.25 lakhs to Bank.

4. Impact Analysis:

Impact factor	Before Adoption	After Adoption
Farmer Practice(In case Vermicompost production)	-	Vermicompost production for marketing
Yield of Product	-	100 MT
Fixed Cost	-	Rs.100.00
Recurring Cost	-	Rs. 420000.00
Gross Income	-	Rs 600000.00
Net Profit	-	Rs. 180000.00
B:C Ratio	-	1.43
Marketing	-	Farmers and Tea Gardens
Dissemination of knowledge in the locality		
Knowledge gain based on 1- 5 scale*	2	5
Feeling of economic security based on 1- 5 scale*	2	5
Ability to understand and solve problems based on 1- 5 scale*	3	4
Self-image in community based on 1- 5 scale*	2	5
Self-confidence based on 1- 5 scale*	3	5

* 1- 5 scale indicates 1 = lowest and 5 = highest

8. Benefits (Economical and Social)

Mr. Singh is producing **200Qt (400 Bag X 50 Kg) in one cycle (60 days)** from 43 Pits. His net return per Cycle is **55 -60 thousand/ cycle** after all liability and input payments. He had sold Worms of Rs 16000/- also On an average he is taking 5 cycles or production in one year and thus producing **100 MT** Vermicompost.

9. Adoption, Spread, Up Scaling of Technology and Future Projection):-

Now the Vermicompostproduction technology had spread to more than 5 Villages in having trained farmers more than 50 in numbers who are producing Vermicompost. In coming future they will be linked with the marketing network of Mr. Jitendra.

10. Relevant, action and attractive, clear, high resolution photographs with proper CAPTION related to success stories

Farmer showing the Worm from his pit

Long View of Unit

With farmers visit of unit

Farmer Sri Jitendra Kumar Singh

Story - 3

Japanese Quail Production -A new avenue explored

1. Title of the technology: Integration of small and marginal famers for Japanese quell Production

2. Agro-ecology, Farming Situation Analysis with Problem Statement (not more than 150 words): Mr. Jitendra Kumar Singh,Village Baruna, Bihiya,Bhojpur was a 32 yearsMBA farmer having 0.8 ha **land in rainfed area** with insufficient crop to support his family. Hetried to work in Privet sector dealing with Organic fertilizers for 4 years. This gave him idea to start his own enterprise in productiomn of **Livestock**and his marketing experience will certaily be helpful

During 2016, he came in contact of KVK, SCADA, Bhojpur and proper techlogical support for the Quell production was shared in collaboration of Veterinary collage,Patna . Finally the unit was established with his own earnd moneyand support from friend and relatives.

6. Brief Description of Technology, Justification Including Innovation, if any, Implementation and Support :

The marketing exposure had given an idea to Mr. Singh that Poultryproduction may be a profitable avenue. He asked KVK, for further technological help. Considering the high risk and market fluctuation, he was asked to go with Quell farming. Training was organized by KVK with the help of Veterinary Collage Patna, Department of Extension and for marketing he used his previous contacts and network.

For running his unit, he hasestablished his own Quail hatchery unit having the capacity 15000/cycle (17-18 days)with monthly overall production of around 90000 eggs setting with minimum 60000 chicks /month. For the said purpose, he invested Rs. 15-16 lakh from his earning and money lending from family friends.

7. Impact Analysis:

Impact factor	Before Adoption	After Adoption
Farmer Practice(In case Quail production)	-	Quail production for marketing
Yield of Product	-	5 lakh chicks
Fixed Cost	-	Rs.4.00 Lakh
Recurring Cost	-	Rs. 120000.00
Gross Income	-	Rs 7500000.00
Net Profit	-	Rs. 2500000.00
B:C Ratio	-	1.56
Marketing	-	Through 24 outlets involving different Farmers of Bihar and UP
Dissemination of knowledge in the locality		
Knowledge gain based on 1- 5 scale*	2	5
Feeling of economic security based on 1- 5 scale*	2	4
Ability to understand and solve problems based on 1- 5 scale*	3	5
Self image in community based on 1- 5 scale*	2	5
Self confidence based on 1- 5 scale*	3	5

* 1- 5 scale indicates 1 = lowest and 5 = highest

8. Benefits (Economical and Social:

Mr. Singh is producing 60000 chicks in **one month (6 cycles)**.His net return per month is **Rs 250000 / month**. He had sold Quell of Rs 160Lakh till date. On an average he is taking 60 cycles for production in one year and thus producing **5-6 lakhs Chicks**.

9. Adoption, Spread, Up Scaling of Technology and Future Projection

Now the Quailproduction technology had spread to more than 15 Villages in having trained farmers more than 24 in numbers who are rearing and marketing the Quell chicks. They are linked with the marketing network of Mr. Jitendra and with minimum one time investment of Rs.30000 (1000 chicks in 30 days became marketable with floor area 250 Sq.Ft) they are earning Rs. One Lakh annually out of 10 cycles.

10. Relevant, action and attractive, clear, high resolution photographs with proper CAPTION related to success stories

Quail chicks

Farmer sowing his Chicks

Thraa day Old Chicks

Famer with KVK, Bhojpur Head

Quail Hatchery unit

Farmer Sri Jitendra Kumar Singh

Story – 4

PPP Mode and Marketing –Establishment of FPO

1. Title of the technology:-Formation Of Farmer Producer Company

2. Agro-ecology, Farming Situation Analysis with Problem

Agro-ecology and Farming Situation-The district Bhojpur comes under South Bihar Old Alluvial Plains, which has been categorized as Grade III (Sub-humid). The Soil type is heavy to sandy clay. However, Jagdishpur, Dawan area where FPO is working, annual rainfall is about 710.6 mm. Major cultivable areas comes under Rain fed Farming and vegetable, gram, lentil, linseed and mustard are main crops. Partial irrigation facility is available and farmers are using pump set for Wheat and Rabi season vegetables like potato and cauliflower. Majority of farmers are small and marginal and thus Male farmers had migrated to urban areas for better opportunity and farm women are the actual farmer as on date. These working women are instrumental in formation of FPO.

JagritiAgri Facilitator Producer Comp. Ltd.
CEO-Sri Dharmendra Kumar Singh
Address:-Village & PO –Dawan, PS & Block –Jagdishpur, Bhojpur.
Contact no- +91 9334199589
. Name of FPO: - JagritiAgri Facilitator Producer Comp. Ltd.
Address:-Village & PO –Dawan, PS & Block –Jagdishpur, Bhojpur.
Year of Registration:- 2015
Registration No:-UO1403BR2015PTC024162
Major activities of the FPO –Wheat flour manufacturing.
Majority of members are from Dawan village.

3. Brief Description of Technology, Justification Including Innovation, if any, Implementation and Support:

During 2014, KVK Bhojpur in collaboration with NABARD, Bhojpur started working for the formation of FPO/FPC with the support of farmers group associated with the Agricultural activities. As a result of this **FPO** became functional and got the Registration in 2015.As number of women group were formed then with the formation of their consortium FPO concept was conceived.

4. Impact Analysis:

Impact factor	Before Adoption	After Adoption
Farmer Practice	Poor marketing. Marginal Farm Family having limited produce.	Hiring the land on rent and market oriented production
Yield of Product	Personal Consumption	Commercial
Fixed Cost	Their own Physical involvement	Their own Physical involvement
Recurring Cost	Avg. Rs.14500.00/Annum	Rs. 20800.00
Gross Income	Rs. 30810.00/Annum	Rs.51400.00

Net Profit	Rs.16130.00	Rs.30.600.00
B:C Ratio	2.13	2.47
Marketing	Major seasonal Vegetable and green Maize cob	Pulses, Oilseeds and vegetables
Dissemination of knowledge in the locality		
Knowledge gain based on 1- 5 scale*	2	3
Feeling of economic security based on 1- 5 scale*	2	3
Ability to understand and solve problems based on 1- 5 scale*	2	4
Self image in community based on 1- 5 scale*	2	4
Self confidence based on 1- 5 scale*	2	5

* 1- 5 scale indicates 1 = lowest and 5 = highest

5. Benefits (Economical and Social)

Bank has given three year waiting Period Target.

Therefore with hired infrastructure the company is operating and the expenditure side is very high leading to marginalized profit.

2015-16- DPR preparation

2016-17- Work started with a **total turnover of Rs. 4.75 Lakh**

No Profit No loss

2016-17- Till reporting date **turnover –Rs. 5.75 Lakh**

Company declared dividend – Rs 20000/-

6.Adoption, Spread, Up Scaling of Technology and Future Projection :

Total membership and its financial position and benefits sharing among number farmers.

Members 678 (500 Female and 178 Male, & 25% Female are SC)

Total Share Holder -315(Each share cost –Rs. 500)

Board of Directors: - Five members (3 Female and 2 Male including one SC Female).

Involvement of Women in such large number itself is good indicator.

Future Planning: - Aatta Biscuit, Noodle and Processed Spices manufacturing and marketing.

7. Relevant, action and attractive, clear, high resolution photographs with proper CAPTION related to success stories


GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 of the Companies Act, 2013 and rule 8 of the Companies (Incorporation) Rules, 2014]

Registration certificate of FPO from Govt. of India

Village level meeting of FPO with PC,KVK Bhojpur and DDM NABARD, Bhojpur in Dawan, Jagdishpur

FPO Members showing their solidarity with Company future plan.

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

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	Orchard	High bunds with outer ditches with outer deep ditches & bunds saturated with optima slip	To keep away blue bulls
2	Dairy Cattle	Application of Calotropis latex on pricked thorn on affected area of body part	Removal of thorns
3	Dairy Cattle	Feeding of cooked rice with bamboo green leaf	Removal of placenta
4	Rice grain storage	Putting lump off common self in a cotton cloth is planked in rice bin	To keep away rice insects
5	Vegetable / Cereals / Pulses	Spray of Horse / Donkey / Blue bull dung in water	To keeping blue bulls
6	Grain Storage	Use of 8-10 Match Boxes in One quintal jut bag with grain	To protect grain from store pest

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	Vegetable	35.0	1680 q	145	N (locally they are trying)

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Identification of course for:-

Farmers/farm women-

PRA survey bench mark survey, group discussion

Problem cause diagram, Feedback from District Agriculture Offices and NGO

Specific technology from Agriculture University

Base on all above mentioned technology final training programme are being formulated on the principal "work experience." The training courses are thus tailored.

Rural Youth-

Based on the tools used for farmers more Professional course is being identified. These courses are formulated primarily based on the local need and marketing perspective for encouragement of the new entrepreneur.

In-service personnel-

As there are a good linkage between KVK and District Agriculture Department, proper feedback is being received. Based on that, the courses had been identified. Even under specific situation as desired by Directorate of Agriculture and local District level officials, there are provisions to reschedule the courses. Therefore the main objective of technology diffusion on wider and larger

scale may have a smoother path way in the operational area of KVK.

3.11. a. Details of equipment available inSoiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	**Equipment**	
	Spectro photometer	2
	Flame Photometer	1
	PH Meter Digital	1
	Digital Balance	1
	Distillation Apparatus S.S. Table pattern	1
	Hot Air Oven	1
	Hot Plate ISO 9001	1
	ISO 9001 Laboratory Mill	1
	Voltage Stabilizer	1
	Rotary Shaker Motor	1
	Digital Conductivity Meter	1
	Physical Balance	1
	Total	13
	Glass ware	
	Plastic Ware	

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			
Up to 2016-17 Nil	11519	11519	9269	186	125000.00
2017-18 Nil	4186	4186	4186	21	414407.00
2018-19 Nil	1344	1344	1344	19	0.00

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	Seminar	97	6	Sri Sanjay NathTiwari, DAO, Bhojpur;Sri BirendraPratap Singh Assistant Director, Horticulture, Bhojpur;Sri Ashok Kumar Singh, SDO, Agriculture, Ara, Bhojpur,Sri Dinesh Kumar Singh, Assistant Director Soil, Bhojpur, Sri Rana Rajiv Ranjan, Deputy PD, ATMA Bhojpur.Sri Devendar Singh President ATMA;	500	349

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 (7 to 17.7.2017)

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Farm and Farm Women Training	7	231	INM, IPM, Orchard management, Dairy management, Weed Control
Extension functionaries	1	50	Int. Weed control
Workshop ON	1	66	Formation of EPO
Phone in Live DainikJagaran ,Daily Hindi NEWS Paper	1		Farmers Quarries on INM, Weed control, Horticulture and Agri. Entrepreneurship
Celebration of ICAR foundation day and Seminar	1	86	Use of Bio fertilizer

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

No of student trained	No of days stayed
3 RAWE Students	139 Days

ARS trainees trained	No of days stayed
-	-

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

Date	Name of the person	Purpose of visit
20.04.2018	Dr. A. K. Singh Director, ICAR- ATARI, Zone II Patna.	Participation in PPVRA Programme
28.11.2018	Dr. Keshav & Dr. R. Roy Burman IARI New Pusa, New Delhi	To evaluate the performance of Power Tiller in Bhojpur.
11.01.2019	DGM, NABARD	Inauguration of DFI ways and opportunity.
24.01.2019	Dr. Mick Lloyd, Dr. MS Jairath, Dr. RK Saxena, All Asian Development Bank official and Experts	To study the cost of cultivation and Cost benefit ratio of different crops of Bhojpur.

4. IMPACT

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

4.2.

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Use of proper dose of K in Paddy	12500	135	155000/Acre	18500/Acre
Cultivation of marigold	235	77	-	16,000/Acre

Potato seed production	85	60	22,000/Acre	29,000/Acre
BHP control in paddy	11000	86	15,200/Acre	20,600/Acre
Use of boron in wheat	6800	75	17000/Acre	20,500/Acre
Scientific cultivation of lentil	8400	80	4200/Acre	7200/Acre
Chemical weed control in paddy	11500	165	14400/Acre	18100/Acre
Production of paddy c.v. R Sweta	8500	95%	16500/Acre	20100/Acre
Scientific Seed Production of Wheat	510	90%	14750/Acre	19150/Acre
Commercial Vermi Compost production	2800	80	00	2200- 2300 /Person/months
Scientific Seed Production of Lentil	670	65	15500/Acre	1600/Acre
Scientific Seed Production of Gram	250	55	13900/Acre	18600/Acre
RCT with ZT Drills	17500	95%	16500/Acre	21500/Acre

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
Seed Production of R. Sweta	40 ha.
Seed Production of Sahbhagi	30 ha.
Seed Production of HUL -57 (Lentil)	50 ha.
Seed Production of PL -8 (Lentil)	70 ha.
Seed production of Cv GLG -4	50 ha.
Seed production of Wheat HD-2967	300ha.
IPM in Paddy	6000ha.
Chemical weed control in Paddy Nursery	500 ha.
Chemical weed control in Paddy Field	26000 ha.
Chemical weed control in Wheat	39000 ha.
Use of Bio fertilizer	800 ha.
Commercial cultivation of Mentha	95 ha.
Scientific cultivation of veg. Pea.	4500 ha.
Scientific cultivation of Cucurbits	600 ha.
Use of Z T Drills	42500 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

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Seed Production
Name & complete address of the entrepreneur	Sri Pravin Kumar Singh Vill. – Hematpur, Dariyapur, Ara, Bhojpur (Ms. Shiv Ganga Seeds Co.)
Role of KVK with quantitative data support:	KVK is providing regular training and field visit to all associate related to this company in Bhojpur.
Timeline of the entrepreneurship development	2010-11, Tech Demonstration for Harvesting Pulses Production, Training, and 2012-13 Seed Production Started.
Technical Components of the Enterprise	Initially training Seed and market linkage 2015-16 company was established 2016-17 Seed processing plant 3.5 ton/hr. established
Status of entrepreneur before and after the enterprise	Simple farmers and now working with 450 farmers
Present working condition of enterprise in terms of raw materials availability, labor availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Mr. Singh & group had produced 3622 Qt. Lentil, 1088 Qt. Chickpea, 2800 Qt. Wheat 5200 Qt. Oat, 5 Qt. Coriander seed with Rs. 40 million
Horizontal spread of enterprise	Now the seed producer are spread in 11 village with a total numbers of trained farmers 450

4.6.- Any other initiative taken by the KVK

(i) IARI Postal Linkage programme taken by KVK.
(ii) DRRPCAU supported in wheat varietal screening.
(iii) CSISA Bihar Hub supported RCT, ODK and different technology evaluation.
(iv) Shahabad Dairy Society is supporting for young Dairy personal training.
(v) With the help of Petroleum Conservation Research Association series of petroleum conservation training were organized to aware the farmers

5. LINKAGES

5.1. Functional linkage with different organizations

Sl.No.	Name of Organization		Nature of Linkage
1.	BAU, Sabour, Bhagalpur	1	Exchange of Technology
		2	SAC Meeting
		3	Training programmes and demonstration
		4	Extension & Research work

2	DrRPCAU, Pusa, Samastipur	1	Exchange of Technology
		2	Guest Faculty
		3	Soil Testing
		4	Extension & Research work
3	IARI, Regional Station, Pusa, Samastipur	1	Exchange of Technology
		2	Demonstration
		3	Seed Production Programme
4.	RCER, ICAR, B.V.C. Campus, Patna	1	Exchange of Technology
		2	Guest Faculty
		3	Training programmes and demonstration
5.	CSISA, Bihar Chapter	1	Exchange of Technical information
		2	Extension & Research work
6	ATMA	1	Training programmes and demonstration
		2	Organizing Farm School
		3	Infrastructural development
		4	Joint diagnostic survey
		5	SAC Meeting.
		6	Development of literature
7	District Agri. Department, Bhojpur	1	Extension & Research work
		2	Training programmes and demonstration
		3	SAC Meeting.
8	Dist. Horticulture office, Bhojpur	1	Training programmes and demonstration
		2	SAC Meeting.
9	Dist. Animal Husbandry Department.	1	Exchange of Technical information
		2	SAC Meeting.
10	Dist. Fishery Department Bhojpur.	1	Technical Information.
		2	SAC Meeting.
11	Assist. Director Sugar Cane, Office, Bhojpur	1	Technical Information.
		2	SAC Meeting.
12	Junior Plant Protection, Office, Bhojpur	1	Technical Information.
		2	SAC Meeting.
13	Dist. Forest Department Bhojpur.	1	Technical Information.
		2	SAC Meeting.
14	DIC (Dist. Industrial Center), Bhojpur	1	SAC Meeting
		2	Exchange of Technical Information.
15	District Administration Bhojpur.	1	Exchange of Technical Information.
		2	Training programmes and demonstration.
		3	For infrastructural development
16	NABARD, Bhojpur	1	Extension & Technical information
17	Faculty of Agriculture for BHU, Varanasi	1	Exchange of Technical information
18	ARI, BAU, Mithapur, Patna	1	Extension & Research work
		2	Soil Testing
19	IIVR, Varanasi	1	Exchange of Technical information
		2	Seed Production Programme
20	JEEViKA Bhojpur		Training programmes and demonstrations.
21	NHRDF, Patna	1	Exchange of Technical information
22	IFFCO, KRIBHCO, NFL, RCF	1	Training programmes and demonstration
23	NGOs	1	Training programmes and demonstrations.
24	D.D. Patna, AIR, Patna , E. TV Bihar	1	Extension activities to PF , RY & EF
25	Hindi Daily News papers	1	Extension activities to PF , RY & EF

5.2. List of special programmes undertaken during 2018-19by 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.)

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

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Apiculture	2018S							Training purpose
2.	Vermi Compost	20182018							First cycle likely to complete
3.	Mushroom								Training purpose
4.	Poultry	2007						14400	In PPP mode
5.	Shed Net house	2018							Training purpose
6.	Quell Unit	2018							Training purpose
7.									
	Total								

6.2. Performance of Instructional Farm (Crops

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	6.6.2018		1.52	BPT-5204 (Improved)	FS	59.65		511380.00	

	6.6.2018		2.16	MTU-7029	FS	93.50		@ 1800/- per Quintal	
	18.6.18		0.83	R. Sweta	FS	98.30			
	18.6.18		0.32	Sabour Shree	FS	11.00			
	18.6.18		0.36	R Kasturi	FS	8.40			
	6.6.2018		0.32	Sabour Katarani	T/L	3.15			
				Non Seed		10.10			
		Total	7.43			284.10			
Wheat	26.11.18 to 30.11.18	23.4.19	2.92	HD-2733	CS	77.40		393570.00 @ 1800/- per Quintal	
	28.12.18	23.4.19	0.48	HD-2733	FS	8.55			
	27 to 29.11.18	23.4.19	2.00	HD-2967	CS	57.30			
	17.12.18	23.4.19	0.40	HD-3118	FS	8.10			
	19.12.18	23.4.19	0.40	HD-2985	FS	11.20			
	10.12.18 to 15.12.18	23.4.19	1.32	HI-1563	CS	39.60			
	8.12.18	23.4.19	0.32	HI-1563	FS	12.0			
	15.12.18	23.4.19	0.08	Sri Ram 303 Trial	T/L	4.50			
		Total	8.00			218.65			

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.	Poultry		Broiler	1000		14400	In PPP Mode
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2018	117	9	
May 2018	117	9	
June 2018	312	24	
July 2018	350	10	
August 2018	0	0	
September 2018	273	21	
October 2018	195	15	
Total :	**1364**	**88**	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Yes
No. of staffquarters: - 4
Date of completion: 2004
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Sri Sunil Kumar, Farm Manager June 2005, Q III						
Sri Mahabir Ram, Driver, Dec. 2009 Q I						
Smt. Baby Kumari Supporting Staff Grade II July 2009, Q IV						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number	Nature of Account
SB	Bank of Baroda	Station Road, Katira, ARRAH	12040100010247	Main Account
SB	Bank of Baroda	Station Road, Katira, ARRAH	12040100012131	Revolving
SB	Bank of Baroda	Station Road, Katira, ARRAH	12040100014114	Seed Hub

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Mustard	--	180000.00	Nil	180200.00	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2018
	Kharif	Rabi	Kharif	Rabi	
Lentil	-	360000.00	-	270140.00	89860.00
Gram	-	180000.00	-	180000.00	0.00

7.4. Utilization of KVK funds during the year 2019 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	11660000.00	9911000.00	5713946.00
2	Traveling allowances	100000.00	90000.00	99683.00
3	Contingencies	790000.00	729000.00	
	Stationary			
	Telephone & Internet charge			
	Electricity			

	Independent & Republic Day Expenses			
	Audit fee			
	Swatchta Expenditure			
	Other office running			
	Special Programme of ICAR			
	POL			
	Demo			
	Computer Repair &Maintance			
	PF Training			
	RY Training			
	EF Training			
	Training Material			
	FLD			
	OFT			
	Extension Activity			
	Building Maintenance			
TOTAL (A)		**12550000.00**		
B. Non-Recurring Contingencies				
1	Furniture & Fixing			
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**12550000.00**		

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)
2015-16	97474.85	1023684.00	1066943.00	37910.85
2016-17	37910.85	715747.00	945293.00	65506.85
2017-18	65506.85	815591.00	883531.00	16380.85
2018-19	16380.85	779470.00	792901.00	13431.00

7.6. (i) Number of SHGs formed by KVKs - Nil
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities With JEEViKA and other SHGs
(iii) Details of marketing channels created for the SHGs – Marketing channel at Dawan, Jagdishpur

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Training	20	Kharif	16	3	2
Training	35	Rabi	18	6	4
Field Visit	10	Kharif	10	6	2
Field Visit	8	Rabi	8	4	2

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)
Stem borer	Paddy	16-30.08.2018	12000 ha	8-12%	32000 ha
Rust	Lentil	18-22.02.2019	600 ha	10-15%	4500 ha.
Wilt	Chick Pea	10-25.01.2019	700 ha	15 -35%	3200 ha

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

9.1. Nehru YuvaKendra(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
20.04.2018	Advocate Rajesh Kumar Pandey	715	--	--

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

Type of message	No. of messages	No. of farmers covered
Crop	38	63314
Livestock	3	5001
Fishery	-	
Weather	-	
Marketing	1	1571
Awareness	-	
Training information	1	1681
Other	-	
Total	**43**	**71567**

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.5. a. Observation of Swachha Bharat Programme

Date of Observation	Activities undertaken
15-9-2018 to 2.10.2018	
!5 Sept. 2018	Sampuran Swachchhata Abhiyan meeting
!6 Sept. 2018	campus Swachchhata Abhiyan
17 Sept. 2018	Seva Diwas
24 Sept. 2018	Samagra Swachchhata Divas
25 Sept. 2018	Sarwatra Swachchhata
27 Sept. 2018	Swachchhata of nearby Tourist Spot
28 Sept. 2018	Rally for Swachchhata
29 Sept. 2018	Awareness camp
30 Sept. 2018	Awareness camp

b. Details of Swachchhata activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	
2. Basic maintenance		
3. Sanitation and SBM	2	2000
4. Cleaning and beautification of surrounding areas	7	25219
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	8	13600
6. Used water for agriculture/ horticulture application	2	3550
7. Swachchhata Awareness at local level	1	2000
8. Swachchhata Workshops		
9. Swachchhata Pledge		

10. Display and Banner	8	3840
11. Foster healthy competition		
12. Involvement of print and electronic media	8	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	20	4000
14. No of Staff members involved in the activities	10	
15. No of VIP/VVIPs involved in the activities	16	
16. Any other specific activity (in details)	-	
Total		**54209.00**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal (BSF)

Title of Programme	Date	No. of participants
IPM in Orchard	06.03.2019	45

9.8. Agriculture Knowledge in rural school:

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

9.9. Details of '*Sankalp Se Siddhi*' 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		
28.8.2017	-	-	-	1	-	-	1	1200	199	1400	Yes	5

9.10. Details of Swachchhata Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Seva Divas	6	22	-	
2	Samagra Swachchhata Diwas	22	47	-	
3	SarwatraSwachha	18	460	-	
4	Swachchhata of Tour spot	1	30	-	
5	Other miscellaneous Activity in Village Swachchhata Abhiyan and Awareness	8	162	-	

9.11. Details of Mahila Kishan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Seminar on Role of Women in Agriculture	17	61	2	1.Smt Sunita Singh, President, Women & Children Welfare Society 2.Smt Punam Singh Incharge, Women Police Station, Ara

9.12. 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 Bhim Raj Rai	Vill. – Devchanda Block – Piro, Bhojpur Mobile - 9431438677	Integrated Farming
2	Sri Angad Singh	Vill – Giddha Block – Koelwar, Bhojpur Mobile - 9431052285	Wheat Seed Production
3	Sri Ranjit Mishra	Vill. – Bela Block – Ara, Bhojpur Mobile – 8210579512	Pulses Seed Production
4	Sri Bhagwan Ojha	Vill. – Doghara Block – Bihiya, Bhojpur Mobile - 9162058507	Mango Orchard
5	Sri Lalan Singh	Vill. – Aayar Block – Garhani, Bhojpur Mobile - 8877316695	Poly House & Commercial Vermi Compost
6	Sri Ravindar Ray	Vill. – Guljarpur Block – Sahar, Bhojpur Mobile - 9709692996	Integrated farming
7	Sri Manoranjan Singh	Vill. – Gundi Block – Barhara, Bhojpur Mobile – 9852308732	Fishery
8	Sri Kamlesh Singh	Vill. – Mathwalia Block – Ara, Bhojpur, Mobile - 9473358159	Orchard and Cereal production
9	Sri Ravindar Singh	Vill. – Kasap Block – Udwantnagar,	Quality Rice producer

		Bhojpur Mobile – 9334911451	
10	Sri Abhishek Kumar Singh	Vill. – Masarh Block- Udwantnagar, Bhojpur Mobile – 7250749469	Lentil Seed producer
11	Sri Kaushal Singh	Vill. – Dumariya, Kayamnagar Block – Koelwar, Bhojpur Mobile - 9110962325	Medicinal plant and Fruit Nursery, Poly House.
12	Sri Md. Akhtar Hussain	Vill. – Milki Block – Udwantnagar, Bhojpur Mobile- 9525345973	Vegetable producer
13	Sri Mukul Verma	Vill. – Muhamadpur Block- Koelwar, Bhojpur Mobile - 9934640156	High Tech. Horticulture & Commercial Vermi Compost producer
14	Sri Munna Pandey	Vill. – Shahpur Chauk Block – Shahpur, Bhojpur Mobile - 853992261	Medicinal Contract Farming
15	Sri Baban Singh	Vill. – Osayi Block – Bihiya, Bhojpur Mobile - 8969937712	High Tech Veg. Production
16	Sri Pravin Kumar Singh	Vill. – Hematpur Block – Ara, Bhojpur Mobile – 9431444894	Seed Company and Seed production
17	Sri Ramsubhag Singh	Vill. – Srirampur Block – Udwantnagar, Bhojpur Mobile - 9608255189	Cooperative farming
18	Sri Ramugrah Singh	Vill. – Eikabari Block – Sahar, Bhojpur Mobile - 8809748230	Pulses Seed Producer
19	Sri Ravi Prakash Singh	Vill. – Akhgawn Block – Sandesh, Bhojpur Mobile - 9507044030	Integrated farming under Rain fed condition
20	Sri Ravindar Ojha	Shahpur, Bhojpur Mobile - 7903032872	Integrated farming in flood prone area.
21	Sri Sumant Harshwardhan	Vill. – Chatar Block – Barhara, Bhojpur Mobile - 9431237858	High Tech. Horticulture
22	Sri Gautam Shaw	Vill. – Tikathi Block – Jagdishpur, Bhojpur Mobile - 7978085312	Medicinal Plant
23	Sri Vijay Chaubey	Vill. – Hatpokhar Block – Jagdishpur, Bhojpur Mobile - 9801130492	Cereal Seed Producer
24	Sri Vimal Kumar	Vill. – Srinagar Block- Garhani, Bhojpur Mobile - 9931224510	Cereal Seed Producer
25	Sri Akhilesh Singh	Vill. – Yadopur Block – Bihiya, Bhojpur Mobile - 9801071346	Vermi Compost & Dairy
26	Sri Raghunandan Sinha	Vill. – Tirojpur Block – Bihiya, Bhojpur Mobile - 7759050661	Pulses Seed Producer
27	Sri Atul Kumar	Vill- ShobhiDumara Block Jagdishpur Mobile-7905138017	Goatary fishery and IFS

28	Smt. Vidya Rani Singh	Vill. – Khesarahiya Block –Koelwar, Bhojpur Mobile - 7561949525	Mushroom
29	Smt. Lal Buchi Devi	Vill. – Hariharpur Block – Shahpur, Bhojpur Mobile - 9973938475	Commercial Vegetable Cultivation

9.13. Revenue generation

Sl. No.	Name of Head	Income(Rs.)	Sponsoring agency
1.			

9.14. Resource Generation:

Sl. No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
	Seed hub	Replacement of Pulses Seed	ICAR	35.0	Seed Hub Godown

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
August, 2011		Not Functional

9.16. 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:- 2018-19
b) Introduction / General Information:-
Title of the experiment

i)Improving rice-wheat cropping system (RWCS) productivity using different crop establishment methods.
ii) Comparative performance of Rice establishment method in different method in different ecologies of Bihar and UP.
iii) Effects of delayed transplanting on growth and the yield of Rice.
iv) Impact of age of Rice nursery on the growth and yield of transplanted Rice.
v) Effect of critical irrigation on the yield of rice
vi)Management of Potassium in Rice
vii) Performance of conventional till DSR with and without pre-sowing irrigation.

KVK Ara and CSISA jointly have field activities and on farm trials during Kharif 2018 and Rabi 2018-19. The progress and summarized report of all trials during both the seasons as follows:

- Total 7 trials were conducted during Kharif 2018with the rice crop, consisting different duration of rice genotypes, crop establishment methods in rice, impact of young seedling, development of

entrepreneurship on rice nursery marketing, critical irrigation in rice, management of Potassium in rice and weed management in Direct seeded rice (DSR).

- In 4 villages of Ara district there were 80 on farm trials with long duration varieties (LDVs) and medium duration varieties (MDVs) conducted during Kharif 2018.
- 15 Trials on direct seeded rice (DSR) were conducted in 5 villages with 70 farmers having 160 acres in Ara district.
- In DSR, 5 trials on weed management were conducted to develop cost effective weed management strategy to improve the productivity and profitability under DSR.
- There were 5 trials on machine transplanting of rice under non-puddled condition with 50 farmers covering 200 acres in 5 villages.
- To understand the effect of Potassium (K) together with normal supply of nitrogen and phosphorus on paddy yield, 8 trials were conducted in 4 villages having 8 farmers.
- To detect the most critical stages of irrigation in rice transplanted at different times, 10 trials were implemented in 5 villages.
- All rice trials crop cut data has collected and under the process of analysis.
- During Rabi 2018-19, KVK-CSISA have 8 trials consisting different aspects i.e. early Wheat sowing, promotion of new high yielding genotypes, nutrient management, weed management in Wheat crop consisting 50 farmers of 10 villages in 5 blocks of Ara district.
- KVK-CSISA created 150 new zero till service providers during Rabi 2018-19 and this year Ara district is having approximately 40,500 ha area under ZT wheat. In addition, this year new variety HD-2967 is covering 12.300 ha area in district which is 3 times more from 2 years back.
- KVK-CSISA also demonstrated ZT mustard and ZT chickpea in farmer's field.

	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 2018-19

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

Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2018-19 (Rs. In lakh):

c. Achievements of physical outcomeunder 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.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	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

	covered													
				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

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Kishan Bhushan	Sri Bhim Raj Roy	2007	Dept of Agriculture, Govt .of Bihar	Rs. 2 Lakh	Integrated farming
2	Kishan Shree	Sri Rajiv Kr	2007	Dept of Agriculture,	Rs. 1 Lakh	Organic

		Sinha		Govt .of Bihar		farming
3	Kishan Shree	Sri Narbdeshwar Shukla	2007	-Do-	-Do-	Vegetable
4	Kishan Shree	Sri Akhileshswar Pd Singh	2007	-Do-	Do	Integrated farming
5	Kishan Shree	Sri Binay Kr Singh	2007	-Do-	-Do-	Seed Production
6	Kishan Shree	Sri Awadhesh Tiwari	2007	-Do-	-Do-	Integrated farming
7	Kishan Shree	Sri Vimal Kumar Singh	2007	-Do-	-Do-	Integrated farming
8	Kishan Shree	Sri Sushil Kumar	2007	-Do-	-Do-	Banana cultivation
9	Kishan Shree	Sri Umeshchandra Pandey	2007	-Do-	-Do-	Agri-Entrepreneurs-hip
10	Kishan Shree	Sri Ravi Prakash Singh	2007	-Do-	-Do-	Integrated farming
11	Kishan Shree	Sri Amit Kumar	2007	-Do-	-Do-	Promotion of RCT
12	Kishan Shree	Sri Ramagya Tiwari	2007	-Do-	-Do-	Promotion of Organic farming
13	Kishan Shree	Sri Mithilesh Singh	2007	-Do-	-Do-	Commercial Vegetable Production
14	Kishan Shree	Sri Satyanarayan Roy	2007	-Do-	-Do-	Integrated farming
15	Udyan Pandit	Sri Kamlesh Chaubey	2008	-Do-	Only Certificate	Tuberose Cultivation
16	Jila Madhu Purashkar	Dr. Brijendra Gupta	2013	Dept. of Horticulture Govt. of Bihar	-Do-	Apiculture

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

15. 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

16. 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

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	ZT Drill service Provider	1l.Helping Farmer in Conservation of Soil 2.Timely Sowing of Wheat after harvesting of Paddy 3.Residu Management	Average saving of Rs. 4400.00 in Land preparation and Water Management, Additional Income of Rs. 4000.00 in terms of Wheat yield .	42000	

18. 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					

19. 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)
24.02.2019	Sri R. K. Singh	Power GOI	Appreciated the services of KVK for farmers Asked to work on more crop per drop Suggested to make new projects for doubling the farmers' income.

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18 and 2018-

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.)
2016-17							
2017-18							
2018-19	Quality Seed Grower	Mr. Nilesh Kumar Dr. Sachidanand Singh	16.04.2018	24.06.2018	30 SC Male-4 Female-0 Others	Yes Assessment awaited	Received – 819600.00 Utilized- 295510.00 Refund

		Dr. Anil Kumar Yadav			Male-25 Female-1		524090.00

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**. if any) if undertaken during 2018-19

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	
Value addition	Mushroom	200	-	-	-	-	16	4	16	4	20	165200.00
	Bee Keeper	200	4	0	-	-			19	1	20	141200.00

21. 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**

22. Information on Krishi KalyanAbhiyan 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/ other

C. Livestock and Fishery related activities

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***
						M	***F***			***M***

KKA-I									
KKA-II									

vities performed			*No. of farmers benefited*				*No. of other officials (except KVK) attended the programme*							
	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*		

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	

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

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

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

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25. 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

26. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	ZT Drill service Provider	1.Helping Farmer in Conservation of Soil 2.Timely Sowing of Wheat after harvesting of Paddy 3.Residu Management	Average saving of Rs. 4400.00 in Land preparation and Water Management, Additional Income of Rs. 4000.00 in terms of Wheat yield .	42000	
2	Seed Production	With good Agronomic practices producing seeds ,Well link with marketing network, Using new cultivars of Cereal, Pulses crop			

27. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service - NA

	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					

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

(**P. K. Dwivedi**)
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