ANNUAL PROGRESS REPORT
2019-20 KVK, PAKUR

DIRECTORATE OF EXTENSION EDUCATION
BIRSA AGRICULTURAL UNIVERSITY, RANCHI

ANNUAL REPORT2019 (1st January- 31st 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	
KrishiVigyan Kendra, Pakur	06423 228556	06423 228556	kvkpakur@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Birsa Agricultural University, Kanke, Ranchi, Jharkhand	0651-2450849	0651-2450525	vc@bauranchi.org

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Srikant Singh	06423-228556	+91 9431130454	srikants.1075@gmail.com

1.4. Year of sanction of KVK:July 2004 vide F. No. 6-5/2003-AE-I dated 23.06.2004

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. Srikant Singh	Senior Scientist & Head	Agronomy	37400-67000	19.07.2004	Permanent	GEN
2	Subject Matter Specialist	Dr. Ajay Kumar Dwivedi	Scientist	Horticulture	15600- 39100	20.07.2004	Permanent	GEN
3	Subject Matter Specialist	Dr. Binod Kumar	Scientist	Soil Science	15600-39100	20.07.2004	Permanent	GEN
4	Subject Matter Specialist							
5	Subject Matter Specialist							
6	Subject Matter Specialist							
7	Subject Matter Specialist							
8	Programme Assistant							
9	Computer Programmer							
10	Farm Manager							
11	Accountant / Superintendent							
12	Stenographer							
13.	Driver	Md .AsrarAlam	Driver	-	5200-20200/-	26.07.2004	Permanent	OBC
14.	Driver							
15.	Supporting staff	MukeshYadav	Contractual staff	-	7000/-	Jan. 2007	Contractual	OBC
16.	Supporting staff							

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	1.0
3.	Under Crops	5.0
4.	Orchard/Agro-forestry	2 .0
5.	Others with details	1.50
	Total	**10.00**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Yes		use	ICAR
2.	Farmers Hostel					Yes		use	ICAR
3.	Staff Quarters (6)					Yes		Not in use	ICAR
4.	Piggery unit					Yes		Use	DRDA Pakur
5	Fencing					Partially completed 960 ft.		Use	
6	Rain Water harvesting structure					Completed		Use	ICAR
7	Threshing floor					Yes		Use	ICAR
8	Farm godown					Yes		Use	ICAR
9.	Dairy unit								

10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab					Yes		Use	
13.	Mushroom production unit					Yes		Use	
14.	Shade house								
15.	Soil test Lab					Yes		Use	Jharkhand Gov.
16	Others,Please Specify					Towards completion			ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero (Mahindra)	2005	500000	220564 KM	Running with frequent repairing
Tractor (Massey Ferguson)	2006	500000	256hr.	Running with frequent repairing
Tractor (Eicher)	2014	Provided by District Soil Conservation Department, Govt. of Jharkhand	1169 hr.	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Xerox Machine*	2007	75000	Working	ICAR
Computer Set*	2007	100000	Working	ICAR

Digital Camera*	2007	15000	Working	ICAR
Fruit Mill *	2007	29800	Working	ICAR
Pulper Machine*	2007	24500	Working	ICAR
Screw Type Juice Extractor*	2007	19500	Working	ICAR
PP Cap Sealing Machine*	2007	18000	Working	ICAR
BOD Incubator*	2007	42000	Working	ICAR
Laminar Flow*	2007	68000	Working	ICAR
Autoclave*	2007	58000	Working	ICAR
Refractometer*	2007	32626	Working	ICAR
Electronic Balance*	2007	22000	Working	ICAR
Generator 5 KVA*	2008	32000	Working	ICAR
b. Farm machinery				
Diesel pump set (Old)	Old	Transferred from state govt.	Non-functional	Transferred from state govt.
Diesel pump set	2005-6	By Director, Seed & farm, BAU,Ranchi	Working with frequent repairing	By Director, Seed & farm, BAU,Ranchi
Tractor with trolly,harrow,cultivator,levellor	2005-6	By DirectorExtension Education, BAU,Ranchi	Working with frequent repairing	By DirectorExtension Education, BAU,Ranchi
Paddy thresher -2 nos.	2005-6	5200/-	Working with frequent repairing	KVK-Pakur
Sprinkler set	2005-6	Installed by Director, Seed & farm, BAU,Ranchi	Non-functional	By Director, Seed & farm, BAU,Ranchi
c.AV Aids				
LCD projector with stand and screen	2013-14	By Director Extension Education, BAU,Ranchi	Functional	By DirectorExtension Education, BAU,Ranchi
Sound system with accessories	2013-14	By DirectorExtension Education, BAU,Ranchi	Functional	By DirectorExtension Education, BAU,Ranchi

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Diesel pump set (Old)	Old	Transferred from state govt.	Non-functional	Transferred from state govt.
Diesel pump set	2005-6	By Director, Seed & farm, BAU,Ranchi	Working with frequent repairing	By Director, Seed & farm, BAU,Ranchi
Tractor with trolly,harrow,cultivator,levellor	2005-6	By DirectorExtension Education, BAU,Ranchi	Working with frequent repairing	By DirectorExtension Education, BAU,Ranchi
Paddy thresher -2 nos.	2005-6	5200/-	Working with frequent repairing	KVK-Pakur
Sprinkler set	2005-6	Installed by Director, Seed & farm, BAU,Ranchi	Non-functional	By Director, Seed & farm, BAU,Ranchi
Disc plough 2 furrow – 1		N/A	Functional	BAU,Ranchi
Grass cutter – 1			Functional	BAU,Ranchi
M B Plough – 1		N/A	Functional	BAU,Ranchi
Seed –cum-fertiliser drill – 1			Functional	BAU,Ranchi
Rotovator – 1			Functional	BAU,Ranchi
Hand sprayer -3		N/A	Functional	DSCO,Pakur
Power sprayer -2			Functional	DSCO,Pakur
Cage wheel -2, One damaged			Functional	BAU,Ranchi
Disc harrow -1			Functional	BAU,Ranchi
Line marker -24		N/A	Functional	DSCO,Pakur
Conoweeder -4			Functional	DSCO,Pakur
Rocking sprayer High jet gun -3			Functional	DSCO,Pakur
Fertilizer broadcaster – 2		N/A	Functional	DSCO,Pakur
Pumpset with sprinkler-1			Functional	DSCO,Pakur
Post hole digger – 1		N/A	Non-functional	DSCO,Pakur
Paddy thresher(Mannual) – 2			Functional	Local purchase
Pumpset -2			Functional	BAU,Ranchi

1.8. Details SAC meeting* conducted in the year

S.N.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	17.01.2019	23	Activities under Horticulture should be increased for sustained profitability of farming community.	Training on Horticulture: 12, FLD on Hrticulture:24	
2			Organic as well as bio fertilizer should be promoted for improvement in soil health.	Training on organic inputs: 6, Use of Bio fertilizer: 60 ha Azolla unit and Vermicompost unit at KVK: 3	
3			More work should be done for soil moisture conservation and rain water harvesting.	Training on Water management: 6,	
4			Integrated farming system should be promoted on farmers field.	2 units of IFS have been developed in village Chandalmara and dangapara.	
5			Value addition of locally abundant vegetables and fruits should be promoted for increased profitability.	Training: 5, Demonstration: 13	
6			Activities should be finalized as per thrust area of the district.	OFT, FLD and Trainings haven finalized as per thrust area.	
7.			FLD on other than crops should also be conducted.	FLD on sulphur, biofertiliser, agricultural implements and IPM have been given.	
8.			Non chemical measures to cobalt imbalance nutrition and pest management should be popularized.	Training on INM – 4 (115 farmers) Training on IPM – 3 (86 farmers)	
9.			Work on aerobic rice should be carried out on farmer's field and technology for the same should be made available.	One On Farm Trial on aerobic rice has been constituted with the help of BAU Scientist. 2 training on aerobic rice has been imparted.	
10.			Work on the fodder production should be made to improve the milk production	3 Training were imparted on Fodder production. FLD on Berseem and oat are taken in action plan 2018-19 in	

			in cattle	Bagjhopa in jama block	
11.			Demonstration on resource conservation technologies should be given to poor farmers.	Demonstration on bio fertilizer, seed treatment, minimum tillage and were given to poor tribal farmers were given,	

** 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 (2019)

Sl. no.	Item	Information	
1	Major Farming system/enterprise	Rainfed rice based farming system	
		Maize based farming system	
		Fish cum Duck based farming system	
		Goat rearing / Pig farming system	
2	Agro-climatic Zone	Zone – IV **(Central & North Eastern Plateau)**	
3	Agro ecological situation AES – I AES – II AES – III	AES – I (Maheshpur&Pakuria Block)	
		AES – II (Pakur & Hiranpur Block)	
		AES – III (Amrapara&Littipara Block)	
4	Soil type	**Red Lateritic**	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Crop	Productivity
		Paddy	20.17

		Maize	12.00
		Wheat	19.70
		Arhar	4.50
		Kulthi	3.54
		Moong	5.00
		Mustard	4.5
		Linseed	3.00
		Sunflower	4.00
		Potato	85.00
		Vegetables	60.00
		Mango	5685
		Jackfruit	346.4
		Guava	778.7
6	Mean yearly temperature, rainfall, humidity of the district	Temperature	Yearly mean
		Rainfall	1483.67mm
7	Production of major livestock products like milk, egg, meat etc.	Category	Production
		Indigenous goat	8562Kg/A(W)
			9590(M)
		Crossbred goat	764635Kg(M)
		Crossbred pig	2340Kg/A (M)
		Indigenous pig	1035585kg/y (M)
		Hen(desi)	140135 E/day
			6116 kg/day(M)
		Improved Hen	840 E/day)
			5991 kg/day(M)
		Duck	31262 E/day
			21713kg/day(M)

Note: Please give recent data only

2.b. Details of operational area / villages (2019)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Pakur	Maheshpur	Teliapokhar	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
2.	Pakur	Maheshpur	Mairbandh	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
3.	Pakur	Maheshpur	Abhua	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
4.	Pakur	Maheshpur	Chandalmara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
5.	Pakur	Maheshpur	Chakkudhara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM

				Mustard and Pulses	Imbalanced used of Fertilizer	INM
6.	Pakur	Maheshpur	Beliapathra	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
7.	Pakur	Maheshpur	Lakhipur	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
8.	Pakur	Hiranpur	Dangapara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
9.	Pakur	Hiranpur	Murgadanga	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
10.	Pakur	Hiranpur	Raghunathpur	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
11.	Pakur	Hiranpur	Ghagharjani	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM

				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
12.	Pakur	Hiranpur	Sundarpur	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
13.	Pakur	Hiranpur	Baghsisa	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
14.	Pakur	Pakur	Harihara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
15.	Pakur	Pakur	Nawada	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
16.	Pakur	Pakur	Pitambara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
17.	Pakur	Pakur	Ramchandr	Maize,	Weed	Weed Management

			apur	Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
18.	Pakur	Littipara	Jabardaha	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
19.	Pakur	Littipara	Bichmahal	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
20.	Pakur	Littipara	Barasarsa	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
21.	Pakur	Amrapara	Jamugaria	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
22.	Pakur	Amrapara	Amrapara	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM

				Mustard and Pulses	Imbalanced used of Fertilizer	INM
23.	Pakur	Amrapara	Bansmatia	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
24.	Pakur	Pakuria	Gunpur	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
25.	Pakur	Pakuria	Phulijhanjhri	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM
26.	Pakur	Pakuria	Domangaria	Maize,	Weed	Weed Management
				Paddy,	Imbalanced used of Fertilizer	INM
				Wheat,	Imbalanced used of Fertilizer	INM
				Mustard and Pulses	Imbalanced used of Fertilizer	INM

2.c. Details of village adoption programme:
Name of the villages adopted by PC and SMS (2019) for its development and action plan

Name of village	Block	Action taken for development
Teliapokhar	Maheshpur	FLD, OFT, Training etc.
Abhua	Maheshpur	FLD, Training etc.
Chakkudhara	Maheshpur	FLD, OFT, Seed Production, Training etc.

Chandalmara	Maheshpur	FLD, Training etc.
Dangapara	Hiranpur	FLD, OFT, Training etc.
Harihara	Pakur	FLD, OFT, Seed Production, Training etc.
Rahashpur	Pakur	FLD, OFT, Seed Production, Training etc.

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop Diversification through Horticulture.
2.	Quality Seed Production.
3.	Promotion of Pulses and oilseeds on upland.
4.	Soil Health Management.
5.	Livelihood development through Bee keeping, backyard poultry and Goatery.

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:12												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
6	6	60	0	0	29	11	18	2	47	13	60	185	210	210	34	11	143	29	81	15	258	55	313

Training							Extension activities						
Number of Courses		Number of Participants					Number of activities		Number of participants				
Target	Achievement	Target	Achievement				Target	Achievement	Target	Achievement			
			SC	ST	Others	Total				SC	ST	Others	Total

			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
90	63	2700	119	51	855	451	444	120	1418	622	2040	10256	2038	20547	169	113	3871	734	1326	269	5366	116	6482

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
360	519	0	0	23	8	16	4	39	12	51	20547	6482	-	-	-	-	-	-	-	-	-

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
275	190	0.50	0.70

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.0	0.00015	0.02	0.00490

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper							

Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter							
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature	25000	15000					
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Evaluation of herbicides for aerobic rice field.
2.	Problem diagnosed	Low yield of Aerobic Rice due to heavy weed infestation.
3.	Details of technologies selected for assessment	Farmers Practice: (one hand weeding at 35-40 DAS) TO 1. - Pretilachlor @0.75 to 1.0 kg/ha Pre emergence + Bisbyribac (Post em) Sodium 200 ml/ha 7-10 DAS TO 2. - Butachlor 50 EC 2 lit/ha (2-3 DAS) + One HW (35 DAS). TO 3 Bisbyribac Sodium @ 30g a.i/ha (Post em) + one HW at 70 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Ranchi
5.	Production system and thematic area	Cereal based production system, Weed management.

6.	Performance of the Technology with performance indicators	Yield (Q/ha) Cost of cultivation (Rs/ha) Net return (Rs) B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Not any
9.	Process of farmers participation and their reaction	Survey, Training and Trail.

Technology option	Weed Drywt. gm/plot	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
TO 0. - Farmers Practice (one hand weeding at 35-40 DAS)	198	22.33	28200	37961	9761	1.34
TO 1. - Pretilachlor @0.75 to 1.0 kg/ha Pre emergence + Bisbyribac (Post em) Sodium 200 ml/ha 7-10 DAS	162	24.08	25900	40936	15036	1.58
TO 2. - Butachlor 50 EC 2 lit/ha (2-3 DAS) + One HW (35 DAS).	134	25.26	27600	42942	15342	1.55
TO 3 Bisbyribac Sodium @ 30g a.i/ha (Post em) + one HW at 70 DAS	180	23.00	27800	39100	11300	1.40
CD (5%)	23	1.02			2110	-

Result: Butachlor 50 EC 2 lit/ha (2-3 DAS) + One HW (35 DAS) suppressed maximum weeds and produced highest yield.

OFT-2

1.	Title of On farm Trial	Evaluation of suitability of fodder crops in rice-fallow system for Pakur District**.**
2.	Problem diagnosed	Unavailability of fodder in rabi season.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Ranchi
5.	Production system and thematic area	Pulse production system, Fodder production**.**
6.	Performance of the Technology with performance indicators	Yield per plant Estimated Yield of fruits per hectare B:C Ratio Farmers Likeness
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Insufficient availability of seeds of recommended variety.
9.	Process of farmers participation and their reaction	Survey, Training and Trial.

Thematic area: Fodder production**.**

Problem definition:

Technology assessed:

Technology option	Yield of Pod/plant (g)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers Practice- Stray grazing damaging the rabi crops.	Result awaited					
T.O.-1-Paddy – Berseem (Vardan).						
T.O.-2- Paddy-Lucern (Anand-2)						
T.O. 3 - Paddy - Oat (Kent).						

Result:

OFT- 3

1.	Title of On farm Trial	Assessment of profitability through intercropping of radish in mid season cauliflower
2.	Problem diagnosed	Low profit in cauliflower
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi.

5.	Production system and thematic area	vegetable production system, Crop management.
6.	Performance of the Technology with performance indicators	• Weed dry wt/m^2 at maturity • Yield • B:C ratio
7.	Final recommendation for micro level situation	Direct seeding of rice (20cm) + *Sesbania aculeate* in un puddled soil by uprooting at 25 DAS was highest yielder and most economical.
8.	Constraints identified and feedback for research	Uprooting interferes with rice plants.
9.	Process of farmers participation and their reaction	Survey, Training and Trial

Thematic area: Crop management.

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
Farmers Practice-Sole crop of cauliflower.	10	Result awaited.								
T.O.-1- Cauliflower + Radish (1:1)	10									
T.O.-2-	10									

Cauliflower + Radish (1:2)										

Result:

OFT-4

1.	Title of On farm Trial	Varietal assessment of bacterial wilt resistant hybrid brinjal.
2.	Problem diagnosed	Low yield of Brinjal.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER, Plandu, Ranchi.
5.	Production system and thematic area	Vegetable production system, Crop improvement.
6.	Performance of the Technology with performance indicators	• Weed dry wt/m^2 at maturity • Yield • B:C ratio
7.	Final recommendation for micro level situation	Butachlor 50 EC 2 lit/ha (2-3 DAS) + One HW (35 DAS) suppressed maximum weeds and produced highest yield.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Survey, Training and Trial

Thematic area: Crop improvement.

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Weed Dry wt. gm/plot	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)							
Farmers Practice- Local purchased hybrid variety of Brinjal.	10	Result awaited.									
T.O.-1- Swarna Ajay	10										
T.O.-2- SwarnaNilima	10										

Result:

OFT-5

1.	Title of On farm Trial	Assessment of improved backyard composting methods.
2.	Problem diagnosed	Low nutrient status of compost at farmer's level.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP-**– Dumping of cow dung and household/field wastes in heap **Tech. Option 1.–**Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit of 2 m x1

		m x 1 m size. **Tech. Option 2.-** Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit+ 250 gmTrichoderma + 100 gm PSB + 100 gmAzotobactor per pit (2m x 1m x 1m).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Ranchi
5.	Production system and thematic area	Vegetable production system, Use and production of organic inputs
6.	Performance of the Technology with performance indicators	Time taken in composting. Nutrient status(pH,N,P,K& micronutrients)
7.	Final recommendation for micro level situation	**Technology option 2 was found superior to other option and FP in respect of period of composting and C & N content of compost. Therefore, it is recommended to go for dumping of cow dung and household / field wastes mixing with DAP@500g/sqm after filling every feet + PSB, Azotobactor and Trichoderma @ one packet each pit of 2 m x1 m x 1 m size.**
8.	Constraints identified and feedback for research	Timely availability of biofertilizers.
9.	Process of farmers participation and their reaction	Survey, Training and Trail

Thematic area: Compost of cow dung and household/fields wastes in heaps, production of organic inputs.

Problem definition: Low nutrient status of compost at farmer's level.

Technology assessed: **FARMER'S PRACTICE-**– Dumping of cow dung and household/field wastes in heap
Tech. Option 1.–Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit of 2 m x1 m x 1 m size.

Tech. Option 2.- Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit+ 250 gmTrichoderma + 100 gm PSB + 100 gmAzotobactor per pit (2m x 1m x 1m).

Table:

Technology option	No. of trials	Duration of composting	C	N	P	K
			%			
FARMER'S PRACTICE- Dumping of cow dung and household/field wastes in heap	10	Result awaited.				
Tech. Option 1.–Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit of 2 m x1 m x 1 m size.	10					
Tech. Option 2.- Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit+ 250 gmTrichoderma + 100 gm PSB + 100 gmAzotobactor per pit (2m x 1m x 1m).	10					
CD 5%						

Result: Technology option 2 was found superior to other option and FP in respect of period of composting and C & N content of compost. Therefore, it is recommended to go for dumping of cow dung and household / field wastes mixing with DAP@500g/sqm after filling every feet + PSB, Azotobactor and Trichoderma @ one packet each pit of 2 m x1 m x 1 m size.

OFT-6

1.	Title of On farm Trial	Assessment ofnutrient management in Pigeon pea + maize intercropping**.**
2.	Problem diagnosed	Low yield of Pigeon pea + Maize Inter cropping.

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Ranchi
5.	Production system and thematic area	Pulse production system, Soil fertility management**.**
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Soil fertility management**.**

Problem definition:

Technology assessed:

Table:

Technology option	**No. of trials**	**Duration of composting**	**C**	**N**	**P**	**K**
			%			
Farmers Practice- NPK (35:50:45) kg/ha.	10	Result awaited.				
T.O.-1- Arhar :100%RDF (25:50:25:20 at Sowing + 3 q Lime); Maize : 50% RDF at sowing + 30 kg N at 30 DAS.	10					
T.O.-2- Arhar 100 % RDF with seed treatment with	10					

Rhyzobium + 50% RDF in maize at Sowing + 30 kg N each at 30 DAS & tasseling.						

Result:

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Brinjal	ICM	Variety Swarna Ajay + INM + IPM		2	0	0	6	9	2	1	8	10	18	
2.	Tomato	ICM	Variety SwarnaSampada+ INM + IPM		1	0	0	6	4	0	0	6	4	10	
3.	Wheat	ICM	Variety K-9107 + INM + IPM		12	0	0	18	20	17	4	35	24	59	
4.	Maize	ICM	Variety HQPM-1 + INM + IPM		15	0	0	23	12	17	13	40	25	65	
5.	Cow Pea	ICM	Variety Gomti + INM + IPM		15	0	0	15	12	9	2	24	14	38	
6.	Mustard	ICM	Variety PUSA-28 + INM + IPM		40	5	2	65	35	32	13	102	50	152	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					

Brinjal	Rabi	Irrigated	Loam	136.28-185.70	6.33-11.50	90.32-108.72	Maize	28.10.2019 to 10.11.2019	-		
Wheat	Rabi	Irrigated	Clay Loam	155.15-168.50	10.60-15.80	115.42-122.50	Paddy	18.11.18-25.11.18	-		
Maize	Kharif	Rainfed	Loam	132.25-205.60	7.54-10.65	82.40-110.50	Fallow	22.07.2019 to 04.08.2019	26-10-2019 to 31-10-2019		
Cow Pea	Kharif	Rainfed	Loam	135.60-196.30	7.62-9.70	80.50-115.70	Fallow	26.07.2019 to 13.08.2019	15-10-2019 to 25-10-2019		
Mustard	Rabi	Irrigated	Loam	144.20-195.50	7.30-14.30	85.60-110.30	Maize	04.11.2019 to 15.11.2019	-		

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard		Variety PUSA-28 + INM + IPM	152	40	Result awaited.										
Total			**152**	**40**											

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

Pulses

Frontline demonstration on pulse crops

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

					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

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

Other crops

Crop	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**Area (ha)**	**Yield (q/ha)**		**% change in yield**	**Other parameters**		***Economics of demonstration (Rs./ha)**				***Economics of check (Rs./ha)**			
					Demonstration	**Check**		**Demo**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Brinjal		Variety Arka + INM + IPM	18	2	Result Awaited.												
Tomato		Variety SwarnaSampada+INM+IPM	10	1	Result Awaited.												
Wheat		Variety K-9107 + INM + IPM	59	12	Result Awaited.												
Maize		Variety HQPM-1 + INM + IPM	65	15	48.04	35.02	13.2			41500	96080	54580	2.32	35500	70040	35540	1.97
Cow Pea		Variety Gomti + INM + IPM	38	15	50.15	32.90	17.25			39500	150450	110950	3.81	36000	98700	62700	2.74
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry		Jharshuk Breed	4	4													

Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																

Others (pl.specify)																
Total																

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

Women empowerment

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

Farm implements and machinery

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

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

Demonstration details on crop hybrids

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

Maize	HQPM-1	65	15	48.04	35.02	13.02	41500	96080	54580	2.32
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	Swarna Ajay	18	2	Yield awaited.						
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										

Technical Feedback on the demonstrated technologies

Sl. No.	Crop	Feed Back
1	Wheat	-
2	Mustard	-
3	Brinjal	-
4	Maize	Variety HQPM-1 is very good for protein.
5	Cow Pea	Variety Gomti perform better than other OP Variety in terms of yield.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days		5	147	
2.	Farmers Training		9	432	
3.	Media coverage		7		
4.	Training for extension functionaries	Nil			

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2018 and Rabi 2019:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Pigeonpea (Kharif)	Undiscript					Variety IPA-203 + R. Culture + INM + IPM	26	10						
2.	Black Gram (Kharif)	Undiscript	4.6	-125	315	705	Variety WBU-109 + R. Culture + INM + IPM	16	10	10.6	9.4	9.96	57.50	22.10	169.0
3.	Horse Gram (Kharif)	Undiscript	5.9	-255	25	375	Variety Madhu + R. Culture + INM + IPM	27	10	9.1	6.9	8.4	5.0	22.5	125.0
4.	Green Gram (Kharif)	Undiscript	4.6	10	295	475	Variety IPM 2-3 + R. Culture + INM + IPM	29	10	10.7	8.5	9.51	48.1	19.6	160.0

5.	Lentil (Rabi)	Undiscript					Variety IPL-316 + R. Culture + INM + IPM	36	10						

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Pigeonpea (Kharif)								
2	Green Gram (Kharif)	14700.00	18400.00	3700.00	1.25	20250.00	39840.00	19590.00	1.97
3	Black Gram (Kharif)	12750.00	23600.00	10850.00	1.85	15100.00	33600.00	18500.00	2.23
4	Horse Gram (Kharif)	8900.00	20700.00	11800.00	2.33	11250.00	42795.00	31545.00	3.80
5	Lentil (Rabi)								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Pigeonpea (Kharif) Var. IPA-203	-	-	-	-	-	-	-
2	Green Gram (Kharif) Var. IPM 2-3	95100	53	45	12	35	For Livelihood	25
3	Black Gram (Kharif) Var. WBU -109	99600	37	40	8	30	For Livelihood	20
4	Horse Gram (Kharif) Var. Madhu	8400	42	40	9	38	For Livelihood	18
5	Lentil (Rabi) Var. IPL-316	-	-	-	-	-	-	-

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Germination &vigour	Very good	Very good	
Resistant to insect and disease	Timely management showed less infestation.	Less attack was seen in demo plots	
Yield	Equivalent to state(Good)	134.2% increase over existing in Niger and 35.9% increased yield than existing unidentified variety of sesamum.	Appreciated

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Pigeonpea (Kharif)	12.07.2019	59
		14.12.2019	75
2.	Green Gram (Kharif)	26.06.2019	58
		08.08.2019	48
3.	Black Gram (Kharif)	27.06.2019	53
		22.09.2019	61
4.	Horse Gram (Kharif)	06.09.2019	58
		08.11.2019	43
5.	Lentil (Rabi)	10.11.2019	54

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1. Pigeonpea (Kharif)	i) Critical input	81,000.00	81,000.00	-
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	-
	iii) Extension Activities (Field day)			
	iv)Publication of lit.			
	Total	**90,000.00**	**90,000.00**	-
2. Green Gram (Kharif)	i) Critical input	81,000.00	81,000.00	-
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	-
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000.00**	**90,000.00**	-
3. Black Gram (Kharif)	i) Critical input	81,000.00	81,000.00	-
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	-
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000.00**	**90,000.00**	-
4. Horse Gram (Kharif)	i) Critical input	81,000.00	81,000.00	-
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	-
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000.00**	**90,000.00**	-
5. Lentil (Rabi)	i) Critical input	81,000.00	81,000.00	-
	ii) TA/DA/POL etc. for monitoring	9,000.00	9,000.00	-
	iii) Extension Activities (Field day)			

	iv)Publication of literature			
	Total	**90,000.00**	**90,000.00**	-
Grand Total		**4,50,000.00**	**4,50,000.00**	-

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies	1	8	3	11	0	0	0	12	5	17	20	8	28
Cropping Systems													
Crop Diversification													
Integrated Farming	1	4	1	5	2	0	2	14	9	23	20	10	30
Water management	1	3	1	4	1	0	1	14	9	23	18	10	28
Seed production													
Nursery management	1	6	2	8	3	1	4	9	6	15	18	9	27
Integrated Crop Management	1	2	1	3	0	0	0	18	11	29	23	9	32
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2	13	3	16	4	1	5	23	15	38	40	19	59
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	1	7	1	8	2	0	2	13	6	19	22	7	29
Production of low volume and high value crops	2	11	6	17	7	4	11	24	9	33	42	19	61
Off-season vegetables	1	8	2	10	3	0	3	13	4	17	24	6	30
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	6	2	8	4	3	7	11	9	20	21	14	35
Others, if any (Cultivation of Vegetable)	1	3	1	4	2	1	3	17	8	25	22	10	32
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	1	5	2	7	1	1	2	12	8	20	18	11	29
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	2	1	3	4	1	5	11	9	20	17	11	28
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													

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
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	1	4	1	5	2	0	2	14	7	21	20	8	28
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any	1	3	0	3	0	0	0	12	5	17	15	5	20
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	1	13	3	16	2	0	2	9	3	12	24	6	30
Soil and Water Conservation	1	8	3	11	3	1	4	7	4	11	18	8	26
Integrated Nutrient Management	1	5	2	7	2	1	3	9	7	16	16	10	26
Production and use of organic inputs	1	4	1	5	1	2	3	11	7	18	16	10	26
Management of Problematic soils	1	4	2	6	1	1	2	13	8	21	18	11	29
Micro nutrient deficiency in crops	1	12	4	16	5	3	8	23	12	35	40	19	59
Nutrient Use Efficiency													
Soil and Water Testing	1	2	1	3	1	0	1	18	6	24	21	7	28
Others, if any	1	4	3	7	2	0	2	8	12	20	14	15	29
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													

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
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**25**	**137**	**46**	**183**	**52**	**20**	**72**	**315**	**179**	**494**	**507**	**242**	**749**

2) **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													
Bee-keeping													
Integrated farming													
Seed production	1	3	1	4	1	0	1	14	9	23	18	10	28
Production of organic inputs	1	2	0	2	1	1	2	13	9	22	16	10	26
Integrated Farming													
Planting material production	1	3	1	4	2	0	2	13	10	23	18	11	29
Vermi-culture	1	4	3	7	0	0	0	17	6	23	21	9	30
Sericulture													
Protected cultivation of vegetable crops	1	6	2	8	1	0	1	13	7	20	20	9	29
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													

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
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	**5**	**18**	**7**	**25**	**5**	**1**	**6**	**70**	**41**	**111**	**93**	**49**	**142**

2) **Extension Personnel (on campus)**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management	1	2	1	3	0	0	0	26	7	33	28	8	36
Rejuvenation of old orchards													
Protected cultivation technology	1	3	0	3	1	0	1	19	9	28	23	9	32
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management 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	1	8	3	11	2	0	2	11	7	18	21	10	31
Gender mainstreaming through SHGs													
TOTAL	**3**	**13**	**4**	**17**	**3**	**0**	**3**	**56**	**23**	**79**	**72**	**27**	**99**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	1	6	2	8	2	1	3	16	5	21	24	8	32
Integrated Farming													
Water management	1	6	2	5	2	1	3	11	6	19	19	9	28
Seed production	1	7	5	12	4	3	7	9	6	15	20	14	34
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	1	4	1	5	0	0	0	14	7	21	18	8	26
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	3	1	4	1	0	1	18	6	24	22	7	29
Water management	1	7	2	9	3	2	5	9	5	14	19	9	28
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1	2	1	3	2	0	2	20	8	28	24	9	33
Export potential vegetables	1	5	0	5	0	0	0	12	7	19	17	7	24
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	1	7	2	9	2	0	2	13	4	17	22	6	28
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	4	0	4	1	1	2	15	11	26	20	12	32
Plant propagation techniques	1	8	3	11	2	1	3	17	6	23	27	10	37
Others, if any(INM)													
c) Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	1	5	2	7	3	0	3	19	7	26	27	9	36
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any	1	3	2	5	2	1	3	14	10	24	19	13	32
e) Tuber crops													
Production and Management technology	1	5	1	6	1	2	3	13	5	18	19	8	27
Processing and value addition													
Others, if any	1	6	2	8	2	2	4	13	6	19	21	10	31
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	9	2	11	2	2	4	15	7	22	26	11	37
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	11	8	19	9	7	16	24	5	29	44	20	64
Soil and Water Conservation													
Integrated Nutrient Management	3	19	9	28	10	3	13	33	23	56	62	35	97
Production and use of organic inputs	1	5	0	5	1	1	2	12	9	21	18	10	28
Management of Problematic soils	1	5	2	7	2	0	2	19	6	25	26	8	34
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	1	4	0	4	2	2	4	21	7	28	27	9	36
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													

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
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**24**	**124**	**45**	**166**	**50**	**27**	**77**	**328**	**151**	**481**	**502**	**223**	**753**

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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													

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
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies	1	8	3	11	0	0	0	12	5	17	20	8	28
Cropping Systems													
Crop Diversification	1	6	2	8	2	1	3	16	5	21	24	8	32
Integrated Farming	1	4	1	5	2	0	2	14	9	23	20	10	30
Water management	2	9	3	9	3	1	4	25	15	42	37	19	56
Seed production	1	7	5	12	4	3	7	9	6	15	20	14	34
Nursery management	1	6	2	8	3	1	4	9	6	15	18	9	27
Integrated Crop Management	1	2	1	3	0	0	0	18	11	29	23	9	32
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	3	17	4	21	4	1	5	37	22	59	58	27	85
TOTAL	**11**	**59**	**21**	**77**	**18**	**7**	**25**	**140**	**79**	**221**	**220**	**104**	**324**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	3	1	4	1	0	1	18	6	24	22	7	29
Water management	1	7	2	9	3	2	5	9	5	14	19	9	28
Enterprise development													
Skill development													
Yield increment	1	7	1	8	2	0	2	13	6	19	22	7	29
Production of low volume and high value crops	2	11	6	17	7	4	11	24	9	33	42	19	61
Off-season vegetables	1	8	2	10	3	0	3	13	4	17	24	6	30
Nursery raising	1	2	1	3	2	0	2	20	8	28	24	9	33
Exotic vegetables like Broccoli													
Export potential vegetables	1	5	0	5	0	0	0	12	7	19	17	7	24
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	6	2	8	4	3	7	11	9	20	21	14	35
Others, if any (Cultivation of Vegetable)	1	3	1	4	2	1	3	17	8	25	22	10	32
TOTAL	**10**	**52**	**16**	**68**	**24**	**10**	**34**	**137**	**62**	**199**	**213**	**88**	**301**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	5	2	7	1	1	2	12	8	20	18	11	29
Cultivation of Fruit													
Management of young plants/orchards	1	7	2	9	2	0	2	13	4	17	22	6	28
Rejuvenation of old orchards	1	2	1	3	4	1	5	11	9	20	17	11	28
Export potential fruits													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Micro irrigation systems of orchards	1	4	0	4	1	1	2	15	11	26	20	12	32
Plant propagation techniques	1	8	3	11	2	1	3	17	6	23	27	10	37
Others, if any(INM)													
TOTAL	**5**	**26**	**8**	**34**	**10**	**4**	**14**	**68**	**38**	**106**	**104**	**50**	**154**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	1	5	2	7	3	0	3	19	7	26	27	9	36
Others, if any													
TOTAL	**1**	**5**	**2**	**7**	**3**	**0**	**3**	**19**	**7**	**26**	**27**	**9**	**36**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any	1	3	2	5	2	1	3	14	10	24	19	13	32
TOTAL	**1**	**3**	**2**	**5**	**2**	**1**	**3**	**14**	**10**	**24**	**19**	**13**	**32**
e) Tuber crops													
Production and Management technology	2	9	2	11	3	2	5	27	12	39	39	16	55
Processing and value addition													
Others, if any	1	6	2	8	2	2	4	13	6	19	21	10	31
TOTAL	**3**	**15**	**4**	**19**	**5**	**4**	**9**	**40**	**18**	**58**	**60**	**26**	**86**
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any	1	3	0	3	0	0	0	12	5	17	15	5	20
TOTAL	**1**	**3**	**0**	**3**	**0**	**0**	**0**	**12**	**5**	**17**	**15**	**5**	**20**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	9	2	11	2	2	4	15	7	22	26	11	37
Post harvest technology and value addition													
Others, if any													
TOTAL	**1**	**9**	**2**	**11**	**2**	**2**	**4**	**15**	**7**	**22**	**26**	**11**	**37**
III. Soil Health and Fertility Management													
Soil fertility management	3	24	11	35	11	7	22	33	8	41	68	26	94
Soil and Water Conservation	1	8	3	11	3	1	4	7	4	11	18	8	26
Integrated Nutrient Management	4	24	11	35	12	4	16	42	30	72	78	45	123
Production and use of organic inputs	2	9	1	10	2	3	5	23	16	39	34	20	54
Management of Problematic soils	2	9	4	13	3	1	4	32	24	46	44	19	63
Micro nutrient deficiency in crops	1	12	4	16	5	3	8	23	12	35	40	19	59
Nutrient Use Efficiency													
Soil and Water Testing	2	6	1	7	3	2	5	39	13	52	48	16	64
Others, if any	1	4	3	7	2	0	2	8	12	20	14	15	29
TOTAL	**16**	**96**	**38**	**134**	**41**	**21**	**66**	**207**	**119**	**316**	**344**	**168**	**512**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing													

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
&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 fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**49**	**268**	**93**	**358**	**105**	**49**	**158**	**652**	**345**	**989**	**1028**	**474**	**1502**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	1	3	1	4	1	0	1	14	9	23	18	10	28
Production of organic inputs	1	2	0	2	1	1	2	13	9	22	16	10	26
Planting material production													
Vermi-culture	1	3	1	4	2	0	2	13	10	23	18	11	29
Sericulture	1	4	3	7	0	0	0	17	6	23	21	9	30
Protected cultivation of vegetable crops													
Commercial fruit production	1	6	2	8	1	0	1	13	7	20	20	9	29
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**5**	**18**	**7**	**25**	**5**	**1**	**6**	**70**	**41**	**111**	**93**	**49**	**142**

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													
Integrated Pest Management													
Integrated Nutrient management	1	2	1	3	0	0	0	26	7	33	28	8	36
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	3	0	3	1	0	1	19	9	28	23	9	32
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	1	8	3	11	2	0	2	11	7	18	21	10	31
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	**3**	**13**	**4**	**17**	**3**	**0**	**3**	**56**	**23**	**79**	**72**	**27**	**99**

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	PF	Rice	2	ON	20	8	28	12	5	17

		Cultivation using SRI technique.								
	PF	Rainwater harvesting technique for irrigation management.	2	ON	18	10	28	15	9	24
	PF	Integrated farming system for income enhancement	2	ON	23	9	32	18	11	29
	PF	Agronomic practices for traditional and SRI Seedling production of Rice	2	ON	18	9	27	12	7	19
	PF	Integrated crop management of Rice	2	ON	20	10	30	16	9	25
	PF	Improved agronomic practices for cultivation of Rabi Oilseeds& Pulses	4	ON	40	19	59	27	16	43
	PF	Improved package and practices of Soyabean	1	OFF	24	8	32	18	6	24
	PF	Rainwater harvesting technique for irrigation management.	1	OFF	19	9	28	13	1	20
	PF	Improved package and practices for Seed Production Kharif Crops	1	OFF	20	14	34	13	9	22
	PF	Improved agronomic practices for cultivation of Rabi Pulses	1	OFF	18	8	26	14	7	21
	PF	Improved agronomic practices for cultivation of Rabi Oilseed	1	OFF	4	1	5	14	7	21
Horticulture	PF	Cultivation of Summer Cucurbitaceous vegetables	2	ON	22	7	29	15	6	21

	PF	Cultivation of Solanaceous vegetable crops	4	ON	42	19	61	31	13	44
	PF	Techniques for Off-season vegetable cultivation	2	ON	24	6	30	16	4	20
	PF	Protective cultivation (Green Houses, Shade Net etc.)	2	ON	21	14	35	15	12	27
	PF	Cultivation of Sweet Potato, *Colocasia* and Yams	2	ON	22	10	32	19	9	28
	PF	Layout and Management of Orchards	2	ON	18	11	29	13	9	22
	PF	Rejuvenation of old orchards	2	ON	17	11	28	15	10	25
	PF	Production and Management for Elephant foot yam	2	ON	20	8	28	16	7	23
	PF	Improved agronomic practices for cultivation of Summer Pulses	2	ON	15	5	20	12	5	17
	PF	Integrated nutrient management for Solanaceous Vegetables	1	OFF	22	7	29	19	6	25
	PF	Technique for cultivation of vegetables with Low volume water requirement	1	OFF	19	9	28	12	7	19
	PF	Nursery raising of Vegetable Crops	1	OFF	24	9	33	22	8	30
	PF	Techniques for Cultivation of Export potential vegetables	1	OFF	17	7	24	12	7	19
	PF	Management of young plants/orchards	1	OFF	22	6	28	15	4	19
	PF	Micro irrigation systems of orchards	1	OFF	20	12	32	16	12	28
	PF	Plant propagation techniques	1	OFF	27	10	37	19	7	26

	PF	Plant propagation techniques of Ornamental plants	1	OFF	27	9	36	22	7	29
	PF	Horti-forestry production technologies	1	OFF	3	2	5	16	11	27
	PF	Production and Management technology for Ginger and Turmeric	1	OFF	5	1	6	14	7	21
	PF	Production and Management for Elephant Foot Yam	1	OFF	6	2	8	15	8	23
	PF	Production and management technology for Annual Medicinal and Aromatic crops	1	OFF	9	2	11	17	9	26
Soil Science	PF	Management of soil fertility by adopting integrated approach	2	ON	24	6	30	11	3	14
	PF	Soil and Water Conservation	2	ON	18	8	26	10	5	15
	PF	Integrated Nutrient Management for Cereals	2	ON	16	10	26	11	8	19
	PF	Production and use of organic inputs	2	ON	16	10	26	12	9	21
	PF	Management of Acid soils	2	ON	18	11	29	14	9	23
	PF	Symptoms and remedies of deficiencies of Micro Nutrients in vegetables	2	ON	40	19	59	28	15	43
	PF	Soil Testing-Why, Where, When and How	2	ON	21	7	28	19	6	25
	PF	Vermi-compost production	2	ON	14	15	29	9	12	21
	PF	Technique of Soil Sampling	1	ON	4	3	7	10	14	24
	PF	Soil fertility management	2	OFF	44	20	64	33	12	45
	PF	Integrated Nutrient Management for Pulse, Oilseed and Selected fruit crops.	3	OFF	62	35	97	43	26	69
	PF	Production and	1	OFF	18	10	28	13	22	35

		use of organic inputs								
	PF	Management of Acid soils	1	OFF	26	8	34	21	6	27
	PF	Soil Testing- Why, Where, When and How	1	OFF	27	9	36	23	9	32

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	
Seed Production	Seed Production	Seed Production	1	18	10	28				
Production of Organic Inputs	Production of Organic Inputs	Production of Organic Inputs	1	16	10	26				
Planting Material Production	Planting Material Production	Planting Material Production	1	18	11	29				
Vermi-Culture	Vermi-Culture	Vermi-Culture	1	21	9	30				
Vegetable Crop	Protected Cultivation of Vegetable Crop	Protected Cultivation of Vegetable Crop	1	20	9	29				
Mali Training	Entrepreneurship Development	Mali Training	15	16	4	20				
BagwanMitra Training	Entrepreneurship Development	Bagwan Mitra Trainin	4	108	42	150				

		g								
BagwanMitra Training	Entrepreneurship Development	Bagwan Mitra Training	4	42	8	50				

*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
							Male			Female			Total			
					PF/RY/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Mali Training	Skill development	November 2019	15	RY	1	16	0	0	4	0	0	20	0	0	20	DHO, Pakur
2.	Integrated Nutrient Management for Fertilizer Dealer	INM	October 2019	15	EF	1	62	0	0	5	0	0	67	0	0	67	
3.	Bagwan Mitra Training	Skill development	November 2019		RY	3	49	5	54	5	1	36	54	6	90	150	DHO, Pakur
4.	Bagwan Mitra Training	Skill development	December 2019		RY	1	18	1	23	2	0	6	20	1	29	50	DHO, Pakur

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			696							
KisanMela											
KisanGhosthi	37			2445							
Exhibition											
Film Show											
Method Demonstrations											
Farmers Seminar											
Workshop											
Group meetings											
Lectures delivered as resource persons											
Advisory Services	546			546							
Scientific visit to farmers field	137			629							
Farmers visit to KVK	1272			1272							
Diagnostic visits											
Exposure visits											
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
MahilaMandals Conveners meetings											
Celebration of important days (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa											
MahilaKisan Divas											
Any Other (Specify)											
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities

Newspaper coverage	
Radio talks	
TV talks	
Popular articles	
Extension Literature	
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

KVK farm

Crop	**Variety**	**Quantity of seed (q)**	**Value (Rs)**	**Number of farmers to whom seed provided**			
Paddy	SahbhagiDhan	30	1,20,000	SC	ST	Other	Total
Paddy	RajendraMansuri	100	4,00,000	-	-	-	-
Paddy	MTU-1010	60	2,40,000	-	-	-	-
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			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Hybrid	10000	5000				
Cabbage	Hybrid	5000	2500				
Tomato	Swarn Ajay	15000	6000				
Brinjal	SwarnaNilima	15000	6000				
Chilli	PusaJwala	20000	10000				
Onion							
Others							
Fruits							
Mango							
Guava	L-49, Allahabad Safeda	40	2000				
Lime	Kagji	75	3000				
Papaya	Red Lady	2000	20000				
Banana							
Others							
Ornamental plants	Merygold	3000	750				

Medicinal and Aromatic							
Plantation							
Spices							
Turmeric	RajendraSoniya	8 Quintal	32000				
Tuber							
Elephant yams	Gajendra	50 Kg	1300				
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total			**88,550.00**				

Production of Bio-Products : NA

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
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	Jharshuk	15	37,500	
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp	IMC	2.5 Quintal	37,500	
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total			**75,000=00**	

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

i) Name of Seed Hub Centre:**NA**

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

ii) Quality Seed Production Reports

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

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Pig based Integrated Farming System at KVK Pakur: A Review	Kiran M. Kandir, Binod Kumar* and Srikant Singh*		
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	**ToT Training**	**ToT Training**	**Dr. Binod Kumar**	28-30 November 2019	BASU, Patna
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	
Address	
Contact details (Phone, mobile, email	

Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

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

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

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs): **NA**

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

b. Give details of organic farming practiced by the farmer :**NA**

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	PH meter	2
2	Conductivity meter	1
3	UV Spectrophotometer	1
4	Flame photometer	1
5	Distillation set	2
6	Shaker	1
7	AAS	1
8	Mridaparikshak set	3

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (inRs.)
Through mini soil testing	Through soil testing	Total			

kit/labs	laboratory				
490	-	490			-

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

3.12. Activities of rain water harvesting structure and micro irrigation system : NA

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 : NA

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

3.14. RAWE/ FETprogramme - is KVK involved? (NA)

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
05.12.2018	Ajay Kumar Singh, JDA, Dumka	Visit of KVK Farm
05.12.2018	DAO, Pakur	Visit of KVK Farm

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Improved variety of Gram (GNG 1581)	438	7 -9	Rs6460/ha	Rs 11000/ha
Mushroom cultivation	325	0.1-0.2	-	5000-5500/yearly
Drought resistant paddy variety- Sahbhagi	387	20-25	6300-9200	9000-14000
Improved variety of Arhar (IPA-203)	455	8 -9	Rs 8000/ha	Rs 11300/ha

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
GREEN GRAM (IPM2-3)	10%
T&D breed of Pig	7%
SRI Paddy	10%
Wheat (K-9107)	18%

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK: NA

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: **NA**

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	**Nature of linkage**
District Agriculture Deptt., Pakur	Monitoring of Schemes
District Horticulture Deptt., Pakur	Training of gardeners & Mali financial aid to KVK
ATMA, Pakur	District level training, F-S Interaction
District Soil Conservation Deptt.	Technical support to SCO.
NABARD	Support to Farmers Club made by NABARD
Fishery Deptt., Pakur	Technical Guidance
TRDP	Technical guidance
EFICOR	Technical guidance

5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development :**NA**

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.)
Training	Awareness	November 2019	DHO, Pakur	150000=00
Training	Awareness	December 2019	DHO, Pakur	400000=00

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Piggery	2007	-	Jharshuk	Piglet	15	22000	37,500=00	
2.	Duck	2007	-	Khaki cambel	Egg	250	0.00	1250=00	
3.	Fishery	2007	-	Common carp	Table Fish	2.5 Qt.	11000	37,500=00	
	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	16.07.2019	25.10.2019	2.5	MTU-1010	F/S	60	125000	2,40,000	
	31.07.2019	15.11.2019	2.5	R. Mansuri	F/S	100	135000	4,00,000	
	20.07.2019	23.10.2019	1.0	SahbhagiDhan	F/S	30	45000	1,20,000	

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

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.	Pig	Jharshuk	Piglets	15Qtls.		37,500=00	
2.	Fish	IMC	Table Fish	2.5 Qtls.		37,500=00	
3.	Duck	Khaki cambel	Egg	250	0.00	1250.00	

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 2019	28	2	
April 2019	30	2	
April 2019	30	2	
April 2019	29	5	
May 2019	26	2	
May 2019	28	2	
May 2019	35	2	
May 2019	30	5	
June 2019	28	2	
June 2019	27	2	
June 2019	26	2	
June 2019	28	5	
July 2019	32	2	
July 2019	29	2	
July 2019	30	2	
August 2019	29	2	
August 2019	26	2	
August 2019	29	5	
September 2019	28	2	
September 2019	32	2	
September 2019	30	2	
October 2019	33	2	

October 2019	28	2	
October 2019	29	2	
October 2019	26	5	
November 2019	29	2	
November 2019	31	2	
November 2019	28	2	
December 2019	28	2	
December 2019	31	2	
Total :	**873**	**75**	

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI
	Not occupied due to lack of drinking water, electricity, approach road, boundary wall etc.					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current Account	State Bank of India	Maheshpur Raj, Pakur	11709203325

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

Item	Released by ICAR		Expenditure		Unspent balance as on – 01.04.2019
	Kharif	Rabi	Kharif	Rabi	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2019
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	0.90		0.90		0.00
Green Gram	0.90		0.90		
Black Gram	0.90		0.90		
Horse Gram	0.90		0.90		
Lentil		0.90		0.90	
Total	**3.60**	**0.90**	**3.60**	**0.90**	
Technology Agent (For six Month)					

Grand Total	**3.60**	**0.90**	**3.60**	**0.90**	**0.00**

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

Sl. No.	Particulars	Sanctioned		Released	Expenditure
A. Recurring Contingencies		ICAR	TSP		
1	Pay & Allowances	50.80	-	40.09388	40.09388
2	Traveling allowances	1.00	-	1.00	0.40
3	HRD	-	0.30	0.30	0.00
4	Contingencies**(General)**				
A	Stationery, telephone, postage and other expenditure on office running including library maintenance and adding of books and journals.	3.00	-	2.60	1.95
B	Training of Farmers.		5.00	5.00	3.52
C	Training materials (Poster, Charts, Demonstration material including chemicals etc. required for conducting the training).				
D	Training of extension functionaries.				
E	Training Rural Youth.				
F	Front Line Demonstration other than Oilseed & Pulses.		2.00	2.00	2.00
G	On Farm Testing.		2.00	2.00	1.80
H	Extension activities/Exhibation, KisanMela etc.		0.50	0.50	0.30
TOTAL (A)		**54.80**	**9.80**	**51.49388**	50.6388
B. Non-Recurring Contingencies					
1	Works	-	-	-	-
2	Vehicle	-	-	-	-
3	Equipments& Furniture	-	11.29	11.29	7.82
4	Librery	-	-	-	-
5	IT	-	-	-	-
6	Furniture	-	-	-	-
TOTAL (B)			11.29	11.29	7.82
C. REVOLVING FUND		-	-	-	-
GRAND TOTAL (A+B+C)		**54.80**	**21.09**	**62.78388**	**57.88388**

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	17,971=00	2,75,240=00	4,25,095=00	(-)1,31,884=00
2016-17	(-)1,31,884=00	6,10,090=00	3,00,655=00	1,77,551=00
2017-18	1,77,551=00	11,28,947=00	3,95,431=00	9,11,067=00
2018-19	9,11,067=00	4,01,935=00	3,81,509=00	9,31,493=00
2019	9,31,493=00	6,25,232=00	3,72,728=00	11,83,997=00

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

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Blast	Paddy	17 Sept.	200-250	22%	Seed treatment and resistant variety
Late Blight	Potato	28 Dec.	20-35	26%	Seed treatment and irrigation

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
PPR	Goat/Sheep	29 June	16%	54322	
FMD	Cattle	13 July	3%	51243	

9.1. Nehru YuvaKendra(NYK) Training :**NA**

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 :**NA**

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

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

Type of message	No. of messages	No. of farmers covered
Crop	3	27251
Livestock	1	5491
Fishery	-	-
Weather	5	58843
Marketing	-	-
Awareness	6	98125

Training information	8	11152
Other	2	3452
Total	**25**	**2,04,314**

9.4. *KVK* Portal and Mobile App :**NA**

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 Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
08.07.2019	Cleaning of nearby areas of hand pump and roadsides of **Maheshpur, Pakur**and awareness about composting out of natural wastes. Creating awareness about hygiene to another 83 person.
21.07.2019	Cleaning of nearby areas of hand pump and roadsides of **Teliapokhar**village and awareness about composting out of natural wastes. Creating awareness about hygiene to another 59 person.
16.08.2019	Cleaning of nearby areas of hand pump and roadsides of **Harihara**village and awareness about composting out of natural wastes. Creating awareness about hygiene to another 91 person.
06.09.2019	Cleaning of nearby areas of hand pump and roadsides of **Abhua**village and awareness about composting out of natural wastes. Creating awareness about hygiene to another 64 person.

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	1	1700
4. Cleaning and beautification of surrounding areas	1	1300
5. Vermicomposting/	1	3500

Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	1	1600
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	2	2200
11. Foster healthy competition		
12. Involvement of print and electronic media	5	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities	10	
15. No of VIP/VVIPs involved in the activities	2	
16. Any other specific activity (in details)		
Total	**23**	**10300**

9.6. Observation of National Science day :**NA**

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF :**NA**

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school :

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Kasturba Gandhi BalikaVidalya, Kairachatter, Maheshpur, Pakur	11.06.2019	PoshanVatika	Cards, Posters

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* Programme :**NA**

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

9.10. Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	8	4	297	-	-

9.11. Details of MahilaKisan Divas programmeorganized : NA

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

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.	Md. SamsulJoha	Harihara, Pakur, Pakur(9955897745)	Horticulture
2.	MdAinulMiya	Chakkudhara, Maheshpur, Pakur (9572637749)	Agriculture
3.	SilmanSoren	Dangapara, Hiranpur, Pakur (9771667763)	Agriculture

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training	30000.00	DHO, Pakur

9.14. ResourceGeneration:**NA**

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.15. Performance of Automatic Weather Station in KVK :**NA**

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

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
Jharkhand	Pakur	Crop Managee nt	1	162	Seed distribution: mustard.

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2018-19

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	53
On-farm trials (Number)	6
Frontline demonstrations (Number)	5
Farmers training (in lakh)	0.021
Extension personnel training (in lakh)	0.0023
Participants in extension activities (in lakh)	0.123
Seed production (in tonnes)	NIL

Planting material production (in lakh)	0.70
Livestock strains and fingerlings production (in lakh)	NIL
Soil, water, plant, manures samples testing (in lakh)	0.00490
Provision of mobile agro – advisory to farmers (in lakh)	0.00546
No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	0.70

b. Fund received under TSP in 2019 (Rs. In lakh):**21.09**

c. Achievements of physical outcomeunder TSP during 2019

Sl. No.	Description	Unit	Achievements
1	Change in family income	Rs.	5%
2	Change in family consumption level	Kg	5 %
3	Change in availability of agricultural implements/ tools etc.	No.	1-2

d. Location and Beneficiary Details during 2019

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T
Pakur	Maheshpur	4	Teliapokhar	147	65	212
			Abhua	108	36	144
			Mayerbandh	114	39	153
			Chhakudhara	18	9	27
Pakur	Hiranpur	11	Dangapara	96	56	152
			Murgadanga	104	31	135
			Fatehpur	132	30	162
			Hath Kathi	33	18	51
			Sundarpur	41	11	52
			Baghsisa	38	16	54
			Mohanpur	37	14	51
			Dhawadanga	42	13	55
			Raghunathpur	34	17	52
			Ghagharjani	43	29	72
			Bipatpur	33	19	52
Pakur	Littipara	10	Patrapara	56	27	83
			Talpahari	38	15	53
			Phulpahari	41	17	58
			Latebari	53	22	75
			Littipara	38	13	51
			Jabardaha	43	9	52
			Jhenagaria	37	17	54
			Bichmahal	34	19	53

			Barasarsa	42	13	55
			Kamalghati	38	14	52
Pakur	Amrapara	6	Panchuara	47	22	69
			Jamugaria	34	23	57
			Amrapara	36	16	52
			Bansmatia	41	12	53
			Singrashi	53	21	74
			Bohara	32	21	53
Pakur	Pakuria	3	Domangaria	54	19	73
			Phulijhanjhri	37	14	51
			Ganpura	41	16	57
Pakur	Pakur	3	Mangalbara	39	13	52
			Saharkol	37	16	53
			Patharghata	32	19	51

12.Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA) :**NA**

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK :**NA**

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.	Progressive Farmers Award	Mrs. JyotikaHansda	2019	Agriculture Department Pakur	-	Best farmer award in Paddy cultivation.

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) :**NA**

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	Success indicator

							in lakh)	

16. Integrated Farming System (IFS)

Details of KVK Demo.Unit :**NA**

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 adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Jharsukh breed of Pig	1. Low mortality 2. High body wt. gain 3. Black skin colour 4. No skin disease	8000/pig/yr	17%	
2	'Jharsim' breed of poultry	1. High body wt. gain 2.Colourful bird 3.High egg producing	525/ bird/yr	12%	

18. 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					

19. Information on Visit of Ministers to KVKs, if any : **NA**

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

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

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							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2019 :

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	
Integrated Nutrient Management for Fertilizer Dealer	**Integrated Nutrient Management**	**120**	**0**	**0**	**0**	**0**	**62**	**5**	**62**	**5**	**67**	
Skill Development	**Mali Training**	**120**	**0**	**0**	**0**	**0**	**16**	**4**	**16**	**4**	**20**	
Skill Development	**BagwanMitra**	**40**	**6**	**1**	**77**	**42**	**67**	**7**	**150**	**50**	**200**	

21. Information on NARI Project(if applicable) : **NA**

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 KrishiKalyanAbhiyan Phase- I/ Phase-II/ Phase-III, if applicable

KrishiKalyanAbhiyan- 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	75	154	46	1560	866	1003	166	2717	1078	3795	
KKA-II	75	111	64	1958	963	562	196	2631	1223	3854	

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

Name of programme	***No. of Programme***	***Total quantity distributed***				***No. of farmers benefited***				***No. of other officials (except KVK) attended the programme***
		Seed	***Planti***	***Inpu***	***Other***	***SC***	***ST***	***Others***	***Total***	

		(q)	***ng material (lakh)***	***t (kg)***	***(kg/ No.)***	***M***	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA -I	***25***	***5625***	***12500***												
KKA -II	***25***														

C. Livestock and Fishery related activities

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

D. Other activities

Name of programme	***Activities***	***No. of farmers benefited***									***No. of other officials (except KVK) attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	T	
KKA-I	Soil Health Card Distributed										
	NADEP Pit established	21	6	114	56	83	20	218	82	300	
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

KrishiKalyanAbhiyan- III: **NA**

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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Shot on Y15
Vivo AI camera
2020.01.27 13:32


Shot on Y15
Vivo AI camera
2020.01.27 13:38