

ANNUAL REPORT 2017 (April 2017 to March 2018)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Tingachhiya, Katihar	06452-246875		katiharkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur, Bihar	0641- 2452606	0641-2452614	vcbausabour@gmail.com

1.3. Name of the Programme Coordinator with phone & Mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Rama Nand Singh		9431432752	katiharkvk@gmail.com

1.4. Year of sanction of KVK: F.No. 4-4/95/AE-1 **dated 27th Feb 2004.**

1.5. Staff Position (as on 1st April, 2018)

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. Ramanand Singh	Senior Scientist & Head	Statistic	37400-67000/ 74390	26.07.1980	Permanent	Gen
2	Subject Matter Specialist	Smt. Nandita Kumari	Subject Matter Specialist	Home Science	15600-39100/25810	23.07.2001	Permanent	OBC
3	Subject Matter Specialist	Dr. Kamleshwari Singh	Subject Matter Specialist	Horticulture	15600-39100/25810	10.06.2009	Permanent	OBC
4	Subject Matter Specialist	Dr. Sushil Kumar Singh	Subject Matter Specialist	Agronomy	15600-39100/ 26590	15.06.2009	Permanent	OBC
5	Subject Matter Specialist	Sri Pankaj Kumar	Subject Matter Specialist	Extension Education	15600-39100/ 26590	16.11.2009	Permanent	EBC
6	Subject Matter Specialist	Dr. Rama Kant Singh	Subject Matter Specialist	Soil Science	15600-39100/ 23640	16.04.2012	Permanent	Gen
7	Subject Matter Specialist							
8	Programme Assistant	Smt Swarn Prabha Reddy	Programme Assistant (Lab. Tech)	B. Sc. (Ag)	9300-34800/ 15210	30.10.2012	Permanent	OBC
9	Computer Programmer	Sri Amarendra Kumar Vikas	Programme Assistant (Computer)	M.Sc. (IT)	9300-34800/ 14760	13.05.2013	Permanent	OBC
10	Farm Manager	Sri Om Prakash Bharti	Farm Manager	B.Sc. (Ag)	9300-34800/ 15210	05.11.2012	Permanent	EBC
11	Accountant / Superintendent	Sri Mukesh Kumar	Assistant	M.B.A. (Finance)	9300-34800/ 14760	09.04.2013	Permanent	EBC
12	Stenographer	Sri Biswajit Datta	Stenographer	B.Sc. (Chemistry)	5200-20200/ 12970	21.06.2013	Permanent	Gen
13.	Driver	Sri Ram Jee	Driver	Matric	5200-20200/8720	09.05.2015	Permanent	OBC
14.	Driver	Sri Manoj Kumar Prajapati	Driver	Matric	5200-20200/ 8720	12.05.2015	Permanent	Gen
15.	Supporting staff	Sri Sanajay Yadav	Supporting staff	Inter mediate	7715 fixed	01.02.2014	Temporary	BC
16.	Supporting staff	Sri Ganesh Kumar	Supporting staff	Inter mediate	7715 fixed	16.10.2017	Temporary	BC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.50
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	5.00
5.	Others with details	7.00
	Total	20.00

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					✓	280	Under Construction	ICAR
2.	Farmers Hostel					✓	400	Under use	ICAR
3.	Staff Quarters (6)					✓	460	Under use	ICAR
4.	Piggery unit	✓							
5	Fencing	✓							
6	Rain Water harvesting structure	✓							
7	Threshing floor					✓	740	Under use	ICAR
8	Farm godown					✓	1400	Under use	ICAR
9.	Dairy unit	✓							
10.	Poultry unit					✓	25	Under use	ICAR
11.	Goatary unit					✓	24	Under use	ICAR
12.	Mushroom Lab					✓	20	Under use	ICAR
13.	Mushroom production unit					✓	160	Under use	ICAR
14.	Shade house					✓	84	Under use	ICAR
15.	Soil test Lab					✓	147	Under use	ICAR
16	Others, Please Specify								
17	Vermi Compost Unit					✓	28	Under use	RKVY
18	Azolla unit					✓	02	Under use	RKVY

* If not in use then since when and reason for non-use (Due to not Hand Over)

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs. In lakh)	Total km. Run	Present status
Tractor M.F.(BR 39A 8220)	2005	5.00	280 hrs.	Good condition
Motor cycle (BR39R 4065)	2015	0.6	3634	Good Condition
Motor Cycle(BR39R 4066)	2015	0.6	2160	Good Condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
A. Lab equipment				
Mini Soil Kit	2017	76000/-	Good	ICAR
Mrida Parikshak Kit	2015	75000/-	Good	ICAR
Bunsen Burner for LPG Gas	2014	350/-	Good	ICAR
Muffle Furnace 4''X4''X9'' Chamber Size Make TANCO	2014	19500/-	Good	ICAR
Viscometer Ostwald glass	2014	350/-	Good	ICAR
Max-Min Thermometer	2014	1350/-	Good	ICAR
Hygrometer Make- Imported Digital	2014	3745/-	Good	ICAR
Automatic Vortexing Machine Cyclo Mixer TANCO make	2014	4500/-	Good	ICAR
Grinder	2014	30000/-	Good	ICAR
Spectrophotometer Bulb	2014	852/-		
Spectrophotometer	2014	50394/-	Good	ICAR
Mechanical Shaker	2013	29000/-	Good	ICAR
Electronic Balance	2013	68000/-	Good	ICAR
PH meter	2013	14245/-	Good	ICAR
Flame Photometer	2013	39770/-	Good	ICAR
Hot Air Oven	2013	21500/-	Good	ICAR
Hot Plate	2013	8500/-	Good	ICAR
Digital Conductivity meter	2013	10000/-	Good	ICAR
Double Distillation Unit	2013	40000/-	Good	ICAR
Weighing Machine	2013	8925/-	Good	ICAR
kieltron Automatic Nitrogen estimate system(Digestive System)	2013	59600/-	Good	ICAR
kieltron Automatic Nitrogen estimate system(Distillation System)	2013	92400/-	Good	ICAR
Reagent Bottle with stopper 250 ml.	2014	1525/-	Good	ICAR
Reagent Bottle with stopper 500 ml.	2014	1650/-	Good	ICAR
Bottle Glass Amber 500 ml.	2014	3000/-	Good	ICAR
Bottle Glass Amber 250 ml.	2014	2550/-	Good	ICAR
Wash Bottle 250 ml	2014	4210/-	Good	ICAR
Wash Bottle 500 ml	2014	800/-	Good	ICAR
Burettes Automatic 0.2	2014	5050/-	Good	ICAR
Cylinder graduate 50 ml	2014	6100/-	Good	ICAR
Cylinder graduate 100 ml	2014	3500/-	Good	ICAR
Cylinder graduate 500 ml	2014	4225/-	Good	ICAR
Desicated with Apx-1D200 mm	2014	12730/-	Good	ICAR
Desicatedbevdaporatory flat Bottle	2014	1920/-	Good	ICAR

ML				
Flask Distilling 80X248 300ml.	2014	3060/-	Good	ICAR
Conical Flask 64X105 mm 100ml	2014	1700/-	Good	ICAR
Conical Flask 65X140 mm 250ml	2014	2750/-	Good	ICAR
Conical Flask 104X180 mm 500ml	2014	1500/-	Good	ICAR
Conical Flask 131X225 mm 1000ml	2014	2500/-	Good	ICAR
Volumetric Flask 25ml	2014	3800/-	Good	ICAR
Volumetric Flask 50ml	2014	4300/-	Good	ICAR
Volumetric Flask 100ml	2014	7350/-	Good	ICAR
Volumetric Flask 250ml	2014	5700/-	Good	ICAR
Volumetric Flask 500ml	2014	5700/-	Good	ICAR
Volumetric Flask 1000ml	2014	2850/-	Good	ICAR
Bulb Pipettes 5ml	2014	1100/-	Good	ICAR
Bulb Pipettes 10ml	2014	1300/-	Good	ICAR
Graduated Pipetter 2ml	2014	575/-	Good	ICAR
Graduated Pipetter 5ml	2014	625/-	Good	ICAR
Graduated Pipetter 10ml	2014	650/-	Good	ICAR
Funnel 50ml	2014	1800/-	Good	ICAR
Dispensor bottle Set	2014	9075/-	Good	ICAR
Filter Paper No.-1	2014	11850/-	Good	ICAR
Filter Paper No.-42	2014	2280/-	Good	ICAR
Glass Rod 9"	2014	400/-	Good	ICAR
Beaker 10ml	2014	1200/-	Good	ICAR
Beaker 25ml	2014	1320/-	Good	ICAR
Beaker 50ml	2014	1120/-	Good	ICAR
Beaker 100ml	2014	1160/-	Good	ICAR
Beaker 250ml	2014	1260/-	Good	ICAR
Beaker 500ml	2014	3030/-	Good	ICAR
Crasibal 25 mm	2014	2000/-	Good	ICAR
Bottle density 25 ml	2014	3850/-	Good	ICAR
Bottle (Polythene) 20 Lt.	2014	3994/-	Good	ICAR
Bottle (Polythene) 10 Lt.	2014	4356/-	Good	ICAR
Bottle (glass) for reagent with glass stopper 100ml.	2014	5800/-	Good	ICAR
Kieldahl round bottom 20gmneck 300ml.	2014	3060/-	Good	ICAR
Automatic pipettes 0.5-10 ml	2014	5600/-	Good	ICAR
Burette (Automatic) mounted ib (Reservoir) 100ml.	2014	6825/-	Good	ICAR
B. Farm machinery				
Kashi/Spade	2017	600/-	Good	BSDM Prog.
Kurpi	2017	280/-	Good	BSDM Prog.
Watering can, 10 litres	2017	967/-	Good	BSDM Prog.
Grass cutter	2017	7616/-	Good	BSDM Prog.
Budding & Grafting sets	2017	520/-	Good	BSDM Prog.
Secatear	2017	680/-	Good	BSDM Prog.
Bucket	2017	660/-	Good	BSDM Prog.
Hedge cutter	2017	1050/-	Good	BSDM Prog.

Tree pruner(G)	2017	1560/-	Good	BSDM Prog.
Wheel barrow	2017	8064/-	Good	BSDM Prog.
Hand sprayer(Small & Big)	2017	5900/-	Good	BSDM Prog.
Mous grass	2017	2100/-	Good	BSDM Prog.
Fauda	2017	1020/-	Good	BSDM Prog.
kudal	2017	300/-	Good	BSDM Prog.
Ridger	2014	8000	Good	RF
Power reaper Tractor operator	2012	79500	Good	ICAR
Cultivator 9 tine	2012	17500	Good	ICAR
Power Sprayer	2012	9500	Good	ICAR
Disc Harrow 12 disc	2012	38500	Good	ICAR
Tractor operated Winnowing	2012	14500	Good	ICAR
Power chain sow	2012	38500	Good	ICAR
Thresher (Multi crop)	2012	87500	Good	ICAR
Rotavator	2012	87840	Good	ICAR
Disc plough 2 disc	2012	20500	Good	ICAR
Land leveler	2011	9000	Good	RF
Hand winover	2011	4000	Good	RF
Mobile Seed processing plant	2011	970000	Good	RKVY
Tractor drawn reaper	2011	57000	Good	RKVY
Zero till seed cum fertilizer drill	2011	39480	Good	RKVY
C. AV Aids				
Xerox Machine Canon	2006	1,00,000	Not in Working	ICAR
Camera (Digital)	2007	15,000	Not in Working	ICAR
TV with DVD	2007	15,000	Good	ICAR
Generator Set	2009	49,500	Good	ICAR
Computer with Accessories	2008	50000	Good	ICAR
Digital Weighing machine	2011	19500	Good	ICAR
PA System	2011	24679	Good	ICAR
Projector with Accessories	2011	99800	Good	ICAR
Camera (Digital)	2015	23,500	Good	Current
Desktop computer & Laptop	2016	82583	Good	RKVY
CCTV Camera and DVR (Accessories)	2016	21000	Good	RKVY
LED Flood Light With Stand	2016	6500	Good	RKVY
Sound System	2016	30165	Good	RKVY
Video Camera Handy cam	2016	82871	Good	RKVY
Projector with Tripod Projector Screen (Accessories) with Wifi Dongle	2016	52000	Good	RKVY
Photo Copier Cum Printer (Accessories)	2016	96173	Good	RKVY
Still Photographic Camera	2016	29600	Good	RKVY
D) Farm implements				
Kudal	2012	190	Good	RF
Dabia	2012	180	Good	RF
Pati	2012	10	Good	RF
Khurpi	2012	110	Good	RF
Kachia	2012	40	Good	RF

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	08.08.2017	33	As given below	As given below	

दिनांक 08.08.2017 कृषि विज्ञान केन्द्र कटिहार में डॉ० आर०के०सोहाने, निदेशक प्रसार शिक्षा, बिहार कृषि विश्वविद्यालय, सबौर की अध्यक्षता में वैज्ञानिक सलाहकार समिति की आठवीं बैठक की कार्यवाही।

बैठक में निम्नलिखित वैज्ञानिक, पदाधिकारी एवं कृषक बंधु उपस्थित रहे:-

1. डॉ० आर०के०सोहाने, निदेशक प्रसार शिक्षा, बिहार कृषि विश्वविद्यालय, सबौर
2. डॉ० राजेश कुमार, सह अधिष्ठाता सह प्राचार्य, भोला पासवान शास्त्री कृषि महाविद्यालय, पूर्णियाँ
3. डॉ० एस०के०सिन्हा, कार्यक्रम समन्वयक, कृषि विज्ञान केन्द्र, कटिहार
4. श्री अमित कुमार, डी०डी०एम०, नाबाई, कटिहार
5. श्री चन्द्रदेव प्रसाद, जिला कृषि पदाधिकारी, कटिहार
6. श्री एस. के. झा, एफ.एल.सी.सी., जिला मत्स्य पालन कार्यालय, कटिहार
7. डॉ० विनोद कुमार सिंह, कनीय वैज्ञानिक सह प्राध्यापक, पाट अनुसंधान केन्द्र, कटिहार
8. डॉ० प्रीतम गांगुली, कनीय वैज्ञानिक सह प्राध्यापक, पाट अनुसंधान केन्द्र, कटिहार
9. श्रीमति नंदिता कुमारी, विषय वस्तु विशेषज्ञ(गृह विज्ञान), कृषि विज्ञान केन्द्र, कटिहार
10. डॉ० के०पी०सिंह, विषय वस्तु विशेषज्ञ(उद्यान), कृषि विज्ञान केन्द्र कटिहार
11. डॉ० सुशील कुमार सिंह, विषय वस्तु विशेषज्ञ(शस्य विज्ञान), कृषि विज्ञान केन्द्र कटिहार
12. श्री पंकज कुमार, विषय वस्तु विशेषज्ञ(प्रसार शिक्षा), कृषि विज्ञान केन्द्र कटिहार
13. डॉ० रमा कांत सिंह, विषय वस्तु विशेषज्ञ(मृदा विज्ञान), कृषि विज्ञान केन्द्र कटिहार
14. श्री प्रभुनाथ सिंह, 'किसानश्री' कटिहार, जिला-कटिहार
15. श्री कालीदास बनर्जी, प्रगतिशील किसान, जिला-कटिहार
16. श्री उदय सिंह, प्रगतिशील किसान, जिला-कटिहार
17. श्री विपिन बिहारी ओझा, प्रगतिशील किसान, जिला-कटिहार
18. श्री संदीप कुमार पाण्डेय, प्रगतिशील किसान, जिला-कटिहार
19. श्री रंजय कुमार, ई०टी०बी०, अन्नदाता संवाददाता, कटिहार
20. श्रीमति संगीता देवी, प्रगतिशील महिला किसान, जिला-कटिहार
21. श्रीमती प्रेमशीला देवी, प्रगतिशील महिला किसान, जिला-कटिहार
22. श्रीमती सरिता मुर्म, प्रगतिशील महिला किसान, जिला-कटिहार
23. श्रीमती अनिता हेम्रम, प्रगतिशील महिला किसान, जिला-कटिहार

कृषि विज्ञान केन्द्र कटिहार में दिनांक 08.08.2017 को आयोजित कृषक वैज्ञानिक सलाहकार समिति की आठवीं बैठक पूर्वाह्न 11:00 बजे आरंभ हुई, आये हुए अतिथियों का स्वागत डा० एस०के० सिन्हा, कार्यक्रम समन्वयक, कृषि विज्ञान केन्द्र कटिहार द्वारा किया गया। कार्यक्रम समन्वयक ने कृषि विज्ञान केन्द्र कटिहार द्वारा किये जा रहे किसानों से संबंधित विभिन्न कार्यों के बारे में जानकारी दी। बैठक में मौजूद वैज्ञानिक सलाहकार समिति के सम्मानित सदस्यों द्वारा निम्नलिखित सुझाव दिये गये:-

1. कटिहार जिले में अवस्थित पॉलीहाउस के ठीक ढंग से कार्य करने के विषय पर चर्चा की गई जिसमें टेक्नीकल सहयोग कृषि विज्ञान केन्द्र कटिहार द्वारा दिये जाने का निर्देश निदेशक महोदय द्वारा दिया गया।

कार्यवाही:-वि०व०वि०(उद्यान), के०वी०के०, कटिहार

2. कृषि विज्ञान केन्द्र, कटिहार द्वारा आम के 1000, अमरुद के 500, लीची के 500 तथा नींबू के 500 पौधे बेचने हेतु तैयार करना है तथा वि०व०वि०(उद्यान) 2500 पौधे केन्द्र में तैयार करके प्रतिवेदन निदेशक प्रसार को भेजेगें।

कार्यवाही:-वि०व०वि०(उद्यान), के०वी०के०, कटिहार

3. डॉ के०पी०सिंह वि०व०वि०(उद्यान), का बी०ए०यू० सबौर का दूर बिना निदेशक प्रसार के अनुमति के स्वीकृत नहीं करना है।

कार्यवाही:- क) कार्यक्रम समन्वयक, के०वी०के०, कटिहार
ख) वि०व०वि०(उद्यान), के०वी०के०, कटिहार

4. कटिहार जिले के फलाहार पौधों का ब्यौरा प्राप्त करना है, तथा अगले बैठक के रिपोर्ट में दर्शाना है।

कार्यवाही:- क) वि०व०वि०(प्रसार)/प्रभारी रिपोर्ट, के०वी०के०, कटिहार
ख) वि०व०वि०(उद्यान), के०वी०के०, कटिहार

5. विषय वस्तु विशेषज्ञ उद्यान के ओ०एफ०टी० में जेड०पी०डी० कोलकाता के द्वारा आयोजित वार्षिक बैठक में काउपी तथा मैंगो का रद्द होने के उपरांत नये ओ०एफ०टी० (Performce of micronutrient on yiled quality of Mango) को वैज्ञानिक सलाहकार समिति के द्वारा पारित किया गया है।

कार्यवाही:- क) वि०व०वि०(उद्यान), के०वी०के०, कटिहार

6. सितंबर से मशरूम उत्पादन पर नाबार्ड द्वारा 3 प्रशिक्षण कार्यक्रम शुरु किया जा रहा है इसका आयोजन कृषि विज्ञान केन्द्र, कटिहार के सहयोग से करने का निर्णय लिया गया।

कार्यवाही:- वि०व०वि०(गृह विज्ञान), के०वी०के०, कटिहार

7. प्रत्येक 3 महीने में एक किसान चौपाल कार्यक्रम नाबार्ड के सहयोग से आयोजित कराने का निर्णय लिया गया।

कार्यवाही:- सभी वि०व०वि०, के०वी०के०, कटिहार

8. एस० डी० प्रश्नावली जल्द से जल्द भराने का आदेश निदेशक प्रसार शिक्षा द्वारा दिया गया तथा इसकी रिपोर्ट सितंबर तक निदेशक प्रसार को भेजना है।

कार्यवाही:- वि०व०वि०(प्रसार)/प्रभारी रिपोर्ट, के०वी०के०, कटिहार

9. जूट पर आर्टिकल बनाकर जमा करना है ताकि पोर्टल में जल्द से जल्द डाला जा सके।

कार्यवाही:- डॉ बिनोद कुमार सिंह, कनीय वैज्ञानिक, पाट अनुसंधान केन्द्र, कटिहार

10. अगले वैज्ञानिक सलाहकार समिति बैठक में बी०डी०एम०एस० के डी०एस०एम० को भी बुलाना है। बी०डी०एम०एस० के गार्डेनर प्रशिक्षण को शुरु करने हेतु जिला उद्यान पदाधिकारी के सहयोग से जिला कृषि पदाधिकारी एवं अन्य सहयोगी विभागों को भी इस संबंध में सूचित करना है एवं प्रशिक्षणार्थियों की सूची प्राप्त करना है।

कार्यवाही:- वि०व०वि०(उद्यान), के०वी०के०, कटिहार

11. बी०डी०एम०एस० प्रशिक्षण में विभिन्न विषयों पर प्रशिक्षण हेतु 30-30 लोगों का समूह तैयार करना है तथा ऑन लाईन तथा ऑफ लाईन फार्म भरना है। प्रशिक्षण आवासीय 35 से 40 दिनों का होगा इसमें बायोमैट्रीक में प्रशिक्षणार्थियों का हाजिरी लिया जायेगा तथा सी०सी०टी०वी० से रिकार्डिंग किया जायेगा।

कार्यवाही:- वि०व०वि०(उद्यान), के०वी०के०, कटिहार

12. ई०टी०बी० अन्नदाता कार्यक्रम के रिपोर्टर श्री रंजय कुमार ने केन्द्र में महिलाओं को जूट के विभिन्न उत्पाद पर सशक्तिकरण विषय पर प्रशिक्षण की माँग की गई।

कार्यवाही:- वि०व०वि०(गृह विज्ञान), के०वी०के०, कटिहार

13. एफ०एल०डी० में किसानों को पौधा बनाने का ट्रे बाँटने का आदेश दिया गया तथा इसका रिपोर्ट निदेशक प्रसार को भेजने को कहा गया।

कार्यवाही:-वि०व०वि०(उद्यान), के०वी०के०, कटिहार

14. श्री पंकज कुमार, वि०व०वि०(प्रसार) द्वारा सपोर्टिंग स्टाफ की कमी की बात की गई। इस पर निदेशक महोदय ने आदेश दिया कि कृषि विज्ञान केन्द्र, कटिहार में दो चालक उपलब्ध हैं उनसे मिट्टी जाँच केन्द्र, फार्म एवं कार्यालय संबंधित कार्य लिया जाए साथ ही दोनों चालक बीज बिक्री में सहयोग करेंगे। साथ ही उन्होंने यह भी कहा कि चालकों को साक्षात्कार के समय ही बता दिया गया था कि उन्हें केन्द्र से संबंधित अन्य कार्य भी करना होगा।

कार्यवाही:- दोनों चालकों, के०वी०के०, कटिहार

15. टी०एस०पी० कार्यक्रम के अंतर्गत नीमा गाँव में कार्ययोजना बनाने पर सहमति व्यक्त की गई है तथा एक जागरूकता शिविर एवं पशु पर प्रत्यक्षण की बात कही गई। इस संबंध में जिला पदाधिकारी एवं सहयोगी विभागों से अन्य योजना भी चलाने की चर्चा की गई।

कार्यवाही:- क) कार्यक्रम समन्वयक, के०वी०के०, कटिहार

ख) वि०व०वि०(प्रसार), के०वी०के०, कटिहार

16. प्रगतिशील किसान श्री विपिन बिहारी ओझा ने कलाई फसल पर होने वाले खर्चे एवं बिक्री पर चर्चा की। इस पर कलाई पर एफ०एल०डी० कार्यक्रम करने का आदेश निदेशक प्रसार शिक्षा द्वारा दिया गया।

कार्यवाही:- वि०व०वि०(प्रसार), के०वी०के०, कटिहार

17. फार्मस क्लब का डाटा वेवसाईट के फार्मेट में डालना है इसके लिए एक यूजर आईडी एवं पासवर्ड डी०डी०एम० नाबाई द्वारा दिया जायेगा। इसका वेवसाईट www.krishaksathi.com है।

कार्यवाही:- क) वि०व०वि०(प्रसार)/प्रभारी रिपोर्ट, के०वी०के०, कटिहार

ख) कार्यक्रम सहायक(कंप्यूटर), के०वी०के०, कटिहार

18. बैठक में डॉ विनोद कुमार सिंह, कनीय वैज्ञानिक द्वारा एफ०एल०डी जूट पर कराने की माँग की इस पर निदेशक महोदय ने डॉ विनोद कुमार सिंह को कहा कि आप एक कार्ययोजना एवं लिटरेचर बनाकर दें इसपर कार्य किया जायेगा।

कार्यवाही:- डॉ विनोद कुमार सिंह, कनीय वैज्ञानिक, पाट अनुसंधान केन्द्र, कटिहार

19. निदेशक प्रसार शिक्षा द्वारा डॉ विनोद कुमार सिंह, कनीय वैज्ञानिक को अन्य जिलों में भी जूट के प्रशिक्षण आयोजन करने को कहा गया।

कार्यवाही:- डॉ विनोद कुमार सिंह, कनीय वैज्ञानिक, पाट अनुसंधान केन्द्र, कटिहार

अंत में डॉ विनोद कुमार सिंह, कनीय वैज्ञानिक, पाट अनुसंधान केन्द्र, कटिहार द्वारा सभी आगंतुकों का धन्यवाद ज्ञापन किया गया तथा बैठक के समापन की घोषण की गई।

2.a. District level data on agriculture, livestock and farming situation (2017-18)

Sl. no.	Item	Information																																						
1	Major Farming system/enterprise	<ol style="list-style-type: none"> 1. Paddy-Wheat based farming system 2. Paddy-Maize based farming system 3. Paddy- Mustard- Boro paddy based farming system 4. Fish Culture 5. Bamboo Production & Processing 6. Mushroom Production 7. Makhana Cultivation and primary processing 8. Poultry production 9. Vermi Compost production 																																						
2	Agro-climatic Zone	Zone-II (North – East Alluvial Plain) High Temperature, High Humidity, Sandy to clay soil, Flood Prone area																																						
3	Agro ecological situation	<p>Up land sandy soil -Suitable for maize, wheat, Banana, vegetables & fruits</p> <p>Medium Sandy loam soil- Wheat, Maize, Jute, Rice, Oil seeds & pulses & vegetable & fruits cultivation</p> <p>Low lying clay soil -with flood & water lodging condition Suitable for Boro paddy, Makhana & paira cropping Diara land of Kosi, Ganga and Mahananda with sandy.</p> <p>loamy soil -suitable for Rabi Maize, wheat, oil seeds pulses & cucurbitaceous vegetable flooded during Kharif Season</p>																																						
4	Soil type	<p>Up land sandy soil- Suitable for vegetables wheat, maize, Banana</p> <p>Medium Loamy Soil -Well drained rich in organic carbon suited for wheat, Maize, oil seeds and pulses & vegetables</p> <p>Low lying clay soils -Suitable for Makhana, Boro paddy & fishery etc</p> <p>New alluvial diara land soil -Deposition of clay soil year after year good for Rabi crops.</p>																																						
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	<table border="1"> <thead> <tr> <th>Name of Crops</th> <th>Productivity(q/ha)</th> </tr> </thead> <tbody> <tr><td>Rice</td><td>41</td></tr> <tr><td>Maize</td><td>72</td></tr> <tr><td>Wheat</td><td>33</td></tr> <tr><td>Pigeonpea</td><td>13</td></tr> <tr><td>Mustard</td><td>12</td></tr> <tr><td>Pulses (others) (lentil)</td><td>10.80</td></tr> <tr><td>Potato</td><td>16.36</td></tr> <tr><td>Okra</td><td>12.79</td></tr> <tr><td>Jute (Fibre)</td><td>22</td></tr> <tr><td>Cauliflower</td><td>16.69</td></tr> <tr><td>Brinjal</td><td>20.80</td></tr> <tr><td>Banana</td><td>48.00</td></tr> <tr><td>Tomato</td><td>19.79</td></tr> <tr><td>Cabbage</td><td>16.90</td></tr> <tr><td>Chili</td><td>11.60</td></tr> <tr><td>Mango</td><td>7.90</td></tr> <tr><td>Guava</td><td>8.00</td></tr> <tr><td>Lichi</td><td>7.58</td></tr> </tbody> </table>	Name of Crops	Productivity(q/ha)	Rice	41	Maize	72	Wheat	33	Pigeonpea	13	Mustard	12	Pulses (others) (lentil)	10.80	Potato	16.36	Okra	12.79	Jute (Fibre)	22	Cauliflower	16.69	Brinjal	20.80	Banana	48.00	Tomato	19.79	Cabbage	16.90	Chili	11.60	Mango	7.90	Guava	8.00	Lichi	7.58
Name of Crops	Productivity(q/ha)																																							
Rice	41																																							
Maize	72																																							
Wheat	33																																							
Pigeonpea	13																																							
Mustard	12																																							
Pulses (others) (lentil)	10.80																																							
Potato	16.36																																							
Okra	12.79																																							
Jute (Fibre)	22																																							
Cauliflower	16.69																																							
Brinjal	20.80																																							
Banana	48.00																																							
Tomato	19.79																																							
Cabbage	16.90																																							
Chili	11.60																																							
Mango	7.90																																							
Guava	8.00																																							
Lichi	7.58																																							

		Onion	19.86																																																											
		Merigold	8.0																																																											
6	Mean yearly temperature, rainfall, humidity of the district	<table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Temperature (°C)</th> <th rowspan="2">Rainfall (mm)</th> </tr> <tr> <th>Max</th> <th>Min</th> </tr> </thead> <tbody> <tr> <td>April, 2017</td> <td>36.70</td> <td>22.67</td> <td>21</td> </tr> <tr> <td>May, 2017</td> <td>37.70</td> <td>24.77</td> <td>73</td> </tr> <tr> <td>June, 2017</td> <td>36.83</td> <td>26.26</td> <td>217</td> </tr> <tr> <td>July, 2017</td> <td>32.12</td> <td>26.51</td> <td>327</td> </tr> <tr> <td>Aug, 2017</td> <td>34.29</td> <td>26.54</td> <td>290</td> </tr> <tr> <td>Sept, 2017</td> <td>34.83</td> <td>26.43</td> <td>227</td> </tr> <tr> <td>Oct, 2017</td> <td>33.54</td> <td>23.32</td> <td>87</td> </tr> <tr> <td>Nov, 2017</td> <td>30.83</td> <td>15.53</td> <td>08</td> </tr> <tr> <td>Dec, 2017</td> <td>25.67</td> <td>11.61</td> <td>0</td> </tr> <tr> <td>Jan, 2018</td> <td>18.70</td> <td>07.51</td> <td>13</td> </tr> <tr> <td>Feb, 2018</td> <td>27.82</td> <td>13.03</td> <td>06</td> </tr> <tr> <td>March, 2018</td> <td>33.32</td> <td>18.12</td> <td>12</td> </tr> <tr> <td>Mean Yearly/Total</td> <td>31.86</td> <td>20.19</td> <td>1281</td> </tr> </tbody> </table>	Month	Temperature (°C)		Rainfall (mm)	Max	Min	April, 2017	36.70	22.67	21	May, 2017	37.70	24.77	73	June, 2017	36.83	26.26	217	July, 2017	32.12	26.51	327	Aug, 2017	34.29	26.54	290	Sept, 2017	34.83	26.43	227	Oct, 2017	33.54	23.32	87	Nov, 2017	30.83	15.53	08	Dec, 2017	25.67	11.61	0	Jan, 2018	18.70	07.51	13	Feb, 2018	27.82	13.03	06	March, 2018	33.32	18.12	12	Mean Yearly/Total	31.86	20.19	1281		
Month	Temperature (°C)			Rainfall (mm)																																																										
	Max	Min																																																												
April, 2017	36.70	22.67	21																																																											
May, 2017	37.70	24.77	73																																																											
June, 2017	36.83	26.26	217																																																											
July, 2017	32.12	26.51	327																																																											
Aug, 2017	34.29	26.54	290																																																											
Sept, 2017	34.83	26.43	227																																																											
Oct, 2017	33.54	23.32	87																																																											
Nov, 2017	30.83	15.53	08																																																											
Dec, 2017	25.67	11.61	0																																																											
Jan, 2018	18.70	07.51	13																																																											
Feb, 2018	27.82	13.03	06																																																											
March, 2018	33.32	18.12	12																																																											
Mean Yearly/Total	31.86	20.19	1281																																																											
		*Source https://en.climate-data.org & AccuWeather																																																												
7	Production of major livestock products like milk, egg, meat etc.	<table border="1"> <thead> <tr> <th>Name of livestock</th> <th>Total(No of Cattle)</th> </tr> </thead> <tbody> <tr> <td>Cow</td> <td>399287</td> </tr> <tr> <td>Buffaloes</td> <td>70734</td> </tr> <tr> <td>Goat</td> <td>445861</td> </tr> <tr> <td>Sheep</td> <td>6700</td> </tr> <tr> <td>Poultry</td> <td>1122122</td> </tr> <tr> <td>Fish</td> <td>8643 ton</td> </tr> </tbody> </table>	Name of livestock	Total(No of Cattle)	Cow	399287	Buffaloes	70734	Goat	445861	Sheep	6700	Poultry	1122122	Fish	8643 ton																																														
Name of livestock	Total(No of Cattle)																																																													
Cow	399287																																																													
Buffaloes	70734																																																													
Goat	445861																																																													
Sheep	6700																																																													
Poultry	1122122																																																													
Fish	8643 ton																																																													

2.b. Details of operational area / villages (2017-18)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Katihar	Korha	Musapur	Vegetable Banana Paddy Maize Oil Seeds	Lack of high yielding varieties, pest & diseases control	Varietal Improvement, Promotion of IPM Practices
2.		Katihar	Sirsa	Banana, Makhana, Wheat, Paddy , Maize, Vegetables	Women empowerment, Lack of high yielding varieties, Pest & Disease control	Varietal Improvement, Promotion of IPM Practices Promotion of Banana Makhana based farming system and jute cultivation
3.		Mansahi	Bhairmara	Vegetables, Paddy, Maize, Boro Paddy	Lack of high yielding varieties, pest & diseases control	Varietal Improvement, Promotion of IPM Practices Promotion of Banana Makhana based farming system and jute cultivation
4.		Mansahi	Phulhara	Maize, Pulses, Paddy, Wheat, Vegetables	Lack of high yielding variety, pest & diseases control, INM	Varietal Improvement, Promotion of IPM Practices Promotion of INM Practices
5.		Mansahi	Lahsa	Vegetable Boro Paddy, Oil Seeds Maize	Lack of high yielding variety, pest & diseases control, INM	Varietal Improvement, Promotion of IPM Practices Promotion of INM Practices

c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2017-18) for its development and action plan

Name of village	Block	Action taken for development
Musapur	Korha	Organise Kisan Chaupal Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes FLD OFT
Sirsa	Katihar	Organise Kisan Chaupal Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes FLD OFT
Bhairmara	Mansahi	Organise Kisan Chaupal Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes FLD OFT
Phulhara	Mansahi	Organise Kisan Chaupal Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes FLD OFT
Lahsa	Mansahi	Organise Kisan Chaupal Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes FLD OFT

2.1 Priority thrust areas

S. No	Thrust area
1.	Soil test based nutrition management in crops of the district
2.	Development of Suitable cropping system for diara, tal land of the district
3.	Implementation of women programmes in relation to food, nutrition and drudgery
4.	Promotion of Entrepreneurship development
5.	Soil test based nutrition management in crop plants of the district.
6.	Promotion of Banana, Makhana based farming system and jute cultivation.
7.	Promotion and adoption of Integrated farming system for the district.
8.	Technology dissemination through production and supply of plant and seed materials

3. TECHNICAL ACHIEVEMENTS

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

OFT						FLD					
No. of technologies:						No. of technologies:					
Number of OFTs		Number of farmers				Number of FLDs		Number of farmers			
Target	Achievement	Target	Achievement			Target	Achievement	Target	Achievement		
			SC/ ST	Others	Total				SC/ ST	Others	Total
14	14	351	68	283	351	17	23	240	164	386	550

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
134	189	3420	1764	3845	5609	1803	3198	8000	2333	8718	11051

Seed production (q)				Planting material (in Lakh)			
Target		Achievement		Target		Achievement	
175		172					

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	.01	.02098

* Give no. only in case of fish fingerlings

Publication by KVKs		
Item	Number	No. circulated
Research paper	04	-
Seminar/conference/ symposia papers	13	-
Books	-	-
Bulletins	-	-
News letter	4	5000
Popular Articles	-	-
Book Chapter	-	-
Extension Pamphlets/ literature	6	6000
Technical reports	1	-
Electronic Publication (CD/DVD etc)	-	-
TOTAL	28	11000

1 Achievements on technologies assessed and refined

OFT -1

SN	Particulars	Description
1.	Intervention	Home Science
2.	Title	Acceptability of value added food from maize, Til and Jaggery for Pre School children
3.	Micro farming situation	Home stead
4.	Production system	Designed and develop high acceptability
5	Thematic area	Nutritional security
6.	Problem	Mal nutrition in children
7.	Potential solution	Maize is grown in abundance in the district and people are ignorant about value addition of maize product
8.	Source of technology	Department of Food and Nutrition CCS, HAU Hisar
9.	Technology option	T ₁ - Farmer's Practice (MaizePowder or sattu + Jaggery) T ₂ - Maize Powder + til+Moong dal+ Jaggery T ₃ - Maize Powder + til + Moong dal +Moong Phali + Jaggery
10	Plot Size	
11	No of farmer	9
12	Critical input	Maize, til,Moong dal,Moong Pali, Jaggery
13.	Perform indicator	Technical observations Organoleptic Evaluation
		Economic Indicator Cost, Net Return, B:C Ratio
		Farmers' reaction/ feedback After getting Result

• TABLE-1

Organoleptic test of value added food made from maize,til and jaggery (t1-t3) according to their percieved appearing on 4 point scale.

SL NO	ASSESSORS /TREATMENT	T1	T2	T3
1	01	01	02	02
2	02	0	01	03
3	03	02	03	02
4	04	01	01	01
	MEAN	01	1.75	02

- TABLE-2

The result of ranking test four assessors have classified three treatment (paushtic laddu) according to your perceived odour (sweet/pungent)

SL NO	ASSESSORS /TREATMENT	T1	T2	T3
1	01	01	02	03
2	02	01	03	04
3	03	02	04	04
4	04	00	03	02
MEAN		01	03	3.25

- TABLE-3

The result ranking test 4 assessors have classified for treatment of paushtic laddu (t1-t3) according to their perceived test and sweetness.

SL NO	ASSESSOR/TREATMENT	T1	T2	T3
1	01	01	01	02
2	02	00	02	05
3	03	02	02	04
4	04	00	03	05
MEAN		.75	02	04

- TABLE-4

Effect of storability (self life) in paushtic laddu during storage (3 months) spoilage/good.

SL NO	TREATMENT	AUGUST 2017	SEPT. 2017	OCT. 2017
1	T1	GOOD	GOOD	SPOILAGE
2	T2	GOOD	GOOD	SEMI -SPOILAGE
3	T3	GOOD	GOOD	GOOD

RESULT OF ORGANOLEPTIC TEST OF PAUSHTIC LADDO

- 1) When 4 assessor have done organoleptic test of paushtic laddoo the result of ranking scoring test according to their perceived appearance mean was in the treatment T³ was 2 i. e. appearance was bright. In treatment T² appearance was dark brown and in treatment T1 the color was brown.
- 2) In term of odor the result of rank test score in treatment no T0³ was 3.25 and odor was very good and in treatment T0² is 3 and odor was good. in T0¹ Treatment odor was not very good.
- 3) In terms of the sweetness and test scoring treatment no T0³ was 4 i.e very tasty, T0² was 2 i.e less tasty and T0¹ was 7.5 (tasteless).

Based on the storability of the product in T0³ treatment has long storability (i.e. 3 month) and in good condition in comparison to T0² only 2 months and T0¹ is only 1 month. However they may be given advice paushtik laddu prepare with maize powder, til, moongfali, moongdal and jaggery was best. So they fetch maximum acceptability.

Treatment	Cost of Cultivation (Rs.)	Amount of Laddu (5Kg)	Cost of Selling Price (Rs./Kg)	Gross Return	Net return	B:C ratio	Color	odour	sweetness	storability (Month)
TO ₁ - Traditional/ Farmers method of Pickle making	50	250	70	70	20	1:1.4	Brown	not very good	Tastless	01
TO ₂ - Oil less pickle+ Sodium Benzoate	58	290	108	140	82	1:2.4	Dark Brown	Good	Less Tasty	02
TO ₃ - Oil less pickle+ Sodium Benzoate + Vinegar	60	300	115	180	120	1:3.0	Bright	Very Good	Very Tasty	03

Result- When value added food from maize, til and jaggery was evaluated in terms of color, odor, Sweetness and storability. It was observed that Laddu Prepared in T3 Treatment was very good and very tasty, Bright and storability 3 month. In T2 treatment color was dark brown, odor was good and less tasty and storability 3 months. In T1 treatment color was brown odor was not very good and less test and storability about 01 month.

Based on Storability of Product and B:C ratio, farm and farm women may be suggested Laddu prepared in T3 treatment is very tasty, storability 03 months and B:C ratio was 1:3.6. This treatment was significantly superior to T2 and T1 treatment. However they may be given Laddu prepared by use of maize Powder , til, Moongfali and Jaggery was best due to availability in the area

OFT -2

ON FARM TRIAL

SN	Particulars	Description
1.	Intervention	Storage Loss Minization Technique
2.	Title	Assessment of method of oil less mango pickle
3.	Micro farming situation	Home stead
4.	Production system	Income generation
5	Thematic area	Nutritional security
6.	Problem	Spoilage in pickle during storage
7.	Potential solution	Mango is grown in abundance in this district and people are ignorant about value addition of mango (Oil less mango pickle)
8.	Source of technology	CISH, Lucknow
9.	Technology option	TO ₁ - Traditional/ Farmers method of Pickle making TO ₂ - Oil less pickle+ Sodium Benzoate TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar
10.	No of farmer	05
11.	Critical input	Mango +Spice + Preservative
12.	Perform indicator	Technical observations Durability, Taste and Color Storability
		Economic Indicator Cost, Net Return, B:C Ratio
		Farmers' reaction/ feedback

Treatment	Weight of pickle (KG)	Cost of Cultivation (Rs.)	Selling Price (Rs.)	Gross Return	Net Return	B:C Ratio
1						
TO ₁ - Traditional/ Farmers method of Pickle making	02	105	145	290	185	1:2.7
TO ₂ - Oil less pickle+ Sodium Benzoate	02	110	160	320	210	1:2.9
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	02	125	365	380	225	1:3.04
2						
TO ₁ - Traditional/ Farmers method of Pickle making	02	105	150	260	155	1:2.4
TO ₂ - Oil less pickle+ Sodium Benzoate	02	110	260	320	210	1:2.9
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	02	120	300	390	270	1:3.25
3						
TO ₁ - Traditional/ Farmers method of Pickle making	02	90	135	270	180	1:3.0
TO ₂ - Oil less pickle+ Sodium Benzoate	02	103	165	330	227	1:3.2
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	02	125	285	570	445	1:4.5
4						
TO ₁ - Traditional/ Farmers method of Pickle making	02	95	145	230	135	1:2.42
TO ₂ - Oil less pickle+ Sodium Benzoate	02	105	175	310	205	1:2.95
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	02	122	395	590	468	1:3.8
5						
TO ₁ - Traditional/ Farmers method of Pickle making	02	110	135	270	160	1:2.4
TO ₂ - Oil less pickle+ Sodium Benzoate	02	118	185	310	182	1:2.64
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	02	125	350	420	295	1:3.36

Treatment	Wt. of Pickle (Kg)	Cost of Cultivation (Rs.)	Selling Price (Rs.)	Gross Return	Net return	B:C ratio	Color	Test	Durability
TO ₁ - Traditional/ Farmers method of Pickle making	2	110	135	270	160	1:2.4	Light Blackish	Tastless	02 Month
TO ₂ - Oil less pickle+ Sodium Benzoate	2	118	185	310	182	1:2.64	Light Bright	Less Tasty	04 Month
TO ₃ - Oil less pickle+ Sodium Benzoate+ Vinegar	2	125	350	420	295	1:3.36	Bright Yellowish	Tasty	06 Month

Result:- When storage of value added pickle was evaluated in term of color taste and durability. It was observed that pickle prepared by TO₃ Treatment (Oil less pickle+ Sodium Benzoate+ Vinegar) was very good in comparison to TO₂ Treatment (Oil less pickle+ Sodium Benzoate) and TO₁ Treatment (Traditional/ Farmers method of Pickle making). In TO₁ Treatment (Traditional/ Farmers method of Pickle making) mango pickle made simple method. It was found that storability was only 02 month; color was light Blackish and Tasteless. In TO₂ Treatment (Oil less pickle+ Sodium Benzoate) storability was only 4 month, color was light bright and taste was less taste. Data presented TO₃ Treatment (Oil less pickle+ Sodium Benzoate+ Vinegar) gross return is 420 and B:C ratio is 1:3.36. In TO₁ Treatment (Traditional/ Farmers method of Pickle making) gross return is lowest i.e. 270 and B:C ration was 1:2.4 Based on stability of product and B:C ration of farmers and farm a women may be suggested Pickle Perpetual TO₃ Treatment (Oil less pickle+ Sodium Benzoate+ Vinegar) with vinegar and sodium benzoate was best. The treatment was significantly superior to TO₂ and TO₁ treatment. However they may be given advice pickle prepared by use of vinegar and sodium benzoate was best due to plenty of availability and cheaper rate in this area. So, they may fetch maximum marked price.

OFT-3 (Agronomy)

SN	Particulars	Description
1.	Intervention	Agronomy
2.	Title	Evolution of Rabi Maize Productivity under high fertility level and high plant density in Bihar
3.	Micro farming situation	Medium land
4.	Production system	Rice-Wheat/Maize
5	Thematic area	Crop Management under high fertility and plant density.
6.	Problem	Refining fertility level and plant population on Rabi Hybrid Maize
7.	Potential solution	Evaluation of multiplication trials on fertility level under high plant density on Rabi maize productivity in Bihar
8.	Source of technology	BAU, Sabour
9.	Technology option	Farmer Practices- General Cultivation at 60X20 Cm Spacing with 120:75: 50 kg N: P ₂ O ₅ :K ₂ O ha ⁻¹ TO ₁ – Isobilateral leaf type maize hybrids with fertility level of 150:93.75: 62.5 N: P ₂ O ₅ :K ₂ O ha ⁻¹ at 50X20 Cm TO ₂ – Isobilateral leaf type maize hybrids with fertility level of 180:112.5: 75 N: P ₂ O ₅ :K ₂ O ha ⁻¹ at 50X20 Cm TO ₃ – Isobilateral leaf type maize hybrids with fertility level of 180:112.5: 75 N: P ₂ O ₅ :K ₂ O ha ⁻¹ at 50X20 Cm
10.	Plot Size	0.10 ha
11	No of farmer	06
12.	Critical input	Seed, Fertilizer
13.	Perform indicator	Technical observations No of Cobs/ plant, Grain Yield
		Economic Indicator Gross return, Net return, BC ratio
		Farmers' reaction/ feedback

Physico-chemical properties of experimental soil

Experimental Soil	pH (1:2.5)	ECe (dSm-1)	OC (%)	N	P	K
				Available Nutrients (Kg ha-1)		
Initial	6.21	0.13	0.65	499	38	259
Final	6.32	0.17	0.64	491	28	256
CD (P=0.05)	0.04	0.01	0.03	11.24	4.21	17.88

Effect of different treatments on growth attributes of maize

Treatment	Plant height (cm)	Plant diameter (cm)	No. of cobs per plant	No. of grains /cob	Test wt. (gm)
Farmer's Practices	163.59	11.23	1.38	346	233
TO ₁	167.22	11.78	1.49	358	246
TO ₂	170.42	12.16	1.83	369	254
TO ₃	174.64	12.04	1.51	361	243
CD (P=0.05)	2.96	0.12	0.07	3.14	0.85

Effect of different treatments on yield attributes of maize

Treatment	Grain yield (q/ha)	Stover yield (q/ha)	Harvest index
Farmer's Practices	86.54	107.25	0.44
TO ₁	103.72	128.65	0.45
TO ₂	114.26	125.78	0.48
TO ₃	112.39	130.64	0.46
CD (P=0.05)	4.97	2.64	0.02

Effect of different treatments on economics of maize

Treatment	Gross return (Rs./ha)	Gross cost (Rs./ha)	Net return (Rs./ha)	B:C ratio
Farmer's Practices	116644	48230	68414	2.42
TO ₁	139822	49980	89842	2.80
TO ₂	150842	50690	100152	2.98
TO ₃	149757	50840	98917	2.95

Result:- The Maximum grain yield (114.26 qha⁻¹), net return (Rs 100152/ha), B:C ratio (2.98) and harvest index (0.48) were observed with TO₃ where N:P₂O₅:K₂O applied in the ratio 180:112.5:75 Kgha⁻¹ with spacing 50X20 cm over control.

OFT-4

ON FARM TRIAL (Soil Science)

SN	Particulars	Description
1.	Intervention	Soil science
2.	Title	Assess the Effect of Azolla to Reduce Chemical NPK Consumption During Rice Cultivation
3.	Micro farming situation	Medium irrigated Land
4.	Production system	Rice- Wheat/Maize
5.	Thematic area	Integrated Nutrient management
6.	Problem	Higher cost of cultivation and hazardness impact on soil as well as environmental health due to chemical fertilizers
7.	Potential solution	Multi-locational field trial for save half of recommended NPK through green manuring of Azolla.
8.	Source of technology	BAU, Sabour
9.	Technology option	TO ₁ – Farmer Practice (150: 20:10 :: N:P:K kg ha ⁻¹) TO ₂ – RDF (100:40:20 :: N:P:K kg ha ⁻¹) TO ₃ - RDF (50:20:10 :: N:P:K kg ha ⁻¹) + Azolla @ 10 t ha ⁻¹
10.	Plot Size	0.10 ha
11.	No of farmers	10
12.	Critical input	Seed , nutrients, chemicals & Azolla
13.	Performance indicator	Technical observations No. of tillers, plant height, no. grains/panicle, Grains & straw yield Economic Indicator Gross return, Net return, BC ratio Farmers' reaction/ feedback

Table 1: Effect of azolla on physico-chemical properties of experimental soil

Treatments	pH		ECe		OC		N		P		K	
	(1 : 2.5)		(d Sm ⁻¹)		(%)		Available Nutrients (Kg ha ⁻¹)					
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
TO ₁	6.82	6.80	0.23	0.23	0.38	0.37	192	180	16.8	15.2	238	238
TO ₂	6.88	6.90	0.27	0.29	0.35	0.35	190	188	16.6	16.8	231	234
TO ₃	6.84	6.91	0.28	0.31	0.39	0.41	192	195	16.8	17.2	236	244
CD (p=0.05)	0.02	0.02	0.01	0.02	1.12	1.15	0.64	1.17	0.15	0.12	1.21	1.24

Table 2: Effect of azolla on growth attributes of rice

Treatments	Plant height (cm)	Tillers /plant	Panicle length (cm)	Kernels /plant	Filled kernels /plant	Productive tillers (m-2)	1000-kernel weight (g)
TO ₁	118.25	5.87	20.22	124.25	112.24	158.24	14.26
TO ₂	114.36	8.97	25.74	142.39	118.97	201.82	15.23
TO ₃	115.45	10.22	27.28	152.26	121.18	204.41	15.87
CD (p=0.05)	1.06	1.85	1.19	8.45	3.75	2.07	0.38

Table 3: Effect of azolla on yield attributes and benefit cost ration of rice

Treatments	Grain Yield (qt ha ⁻¹)	Straw Yield (qt ha ⁻¹)	Harvesting Index	Cost of Cultivation (Rs)	Gross Return (Rs)	Net Return (Rs)	Benefit Cost Ratio
TO ₁	25.33	30.81	0.45	20550	38372.50	17823	1.87
TO ₂	36.57	41.32	0.47	22540	54451.50	31912	2.42
TO ₃	39.31	42.35	0.48	20980	57911.50	36932	2.76
CD (p=0.05)	2.12	1.64	ND	44.07	52.25	36.84	ND

Results:

Application of *A. pinnata* in the rice fields positively affect the soil available N, available P, plant height, tiller number, grain number per panicle and grain yield. The addition of *A. pinnata* at the rate of 10 t/ha had maximum rice yield (39.31 qha⁻¹) compared with other treatments. It also increase soil available P, indicating that *A. pinnata* required a fairly high P to grow optimally.

OFT -5

SN	Particulars	Description
1.	Intervention	Soil science
2.	Title	Assess the effect of Blue Green Algae (BGA) for Nitrogen Supplementation in Rice Crop
3.	Micro farming situation	Medium irrigated Land
4.	Production system	Rice-Wheat/Maize
5.	Thematic area	Integrated Nutrient management
6.	Problem	Higher uses of Urea
7.	Potential solution	Multi-locational field trial for uses of BGA for Supplementations of Nitrogen in Rice Crop
8.	Source of technology	BAU Sabour
9.	Technology option	TO ₁ – Farmer Practice (150:20:10 :: N:P:K kg ha ⁻¹) TO ₂ – RDF (100:40:20 :: N:P:K kg ha ⁻¹) TO ₃ - RDF (75:40:20 :: N:P:K kg ha ⁻¹) + BGA Culture 10 kg ha ⁻¹
10.	Plot Size	0.10 ha
11.	No of farmers	10
12.	Critical input	Seed , nutrients, chemicals & BGA
13.	Performance indicator	Technical observations No. of tillers, plant height, no. grains/panicle, Grains & straw yield Economic Indicator Gross return, Net return, BC ratio Farmers' reaction/ feedback

Table 1: Effect of BGA on physico-chemical properties of experimental soil

Treatments	pH		ECe		OC		N		P		K	
	(1 : 2.5)		(d Sm ⁻¹)		(%)		Available Nutrients (Kg ha ⁻¹)					
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
TO ₁	6.28	6.26	0.36	0.37	0.45	0.45	294	297	22.34	23.52	275	276
TO ₂	6.27	6.28	0.38	0.38	0.47	0.48	298	302	22.25	24.32	282	288
TO ₃	6.30	6.30	0.35	0.37	0.46	0.48	298	316	22.28	24.78	280	296
CD (p=0.05)	0.02	0.01	0.02	0.03	0.01	0.01	0.64	1.17	0.02	0.14	1.04	1.72

Table 2: Effect of BGA on growth attributes of rice

Treatments	Plant height (cm)	Tillers /plant	Panicle length (cm)	Kernels /plant	Filled kernels /plant	Productive tillers (m-2)	1000-kernel weight (g)
TO ₁	117.26	5.91	19.21	122.36	109.26	155.21	14.21
TO ₂	116.45	8.65	24.52	141.82	116.72	204.28	15.18
TO ₃	118.25	10.02	28.53	150.27	124.25	207.62	15.64
CD (p=0.05)	1.08	1.23	2.15	4.06	2.38	2.15	0.15

Table 3: Effect of BGA on yield attributes and benefit cost ration of rice

Treatments	Grain Yield (qt ha ⁻¹)	Straw Yield (qt ha ⁻¹)	Harvesting Index	Cost of Cultivation (Rs)	Gross Return (Rs)	Net Return (Rs)	Benefit Cost Ratio
TO ₁	24.10	28.35	0.46	22460	36217	13757	1.61
TO ₂	36.19	40.25	0.47	21870	53698	31829	2.46
TO ₃	40.35	41.37	0.49	21240	58809	37569	2.77
CD (p=0.05)	3.17	1.05	ND	35.06	55.19	34.28	ND

Results:

Among the different treatments BGA produce positive results related to farmers benefits maximum rice yield with TO3 40.35 qt/ha along with maximum harvesting index 0.49 and BC ratio in comparison to farmer practices. RDF also produce better yield in comparison to farmer practices but where BGA applied with RDF best result found.

OFT-6

SN	Particulars	Description
1.	Intervention	Soil Science
2.	Title	Assess the effect of organic and biofertilizer on growth and yield of maize and physico-chemical properties of soil
3.	Micro farming situation	Micro farming situation
4.	Production system	Paddy-maize/wheat
5.	Thematic area	INM
6.	Problem	No uses of bio fertilizer and minimum uses of organic manure in maize due to that soil becomes sick and the production is affected.
7.	Potential solution	Application of required amount of biofertilizer with organic manures to make soil sustainable with yield enhancement and there will be a necessity for sustainability
8.	Source of technology	UAS, GKVK, Bangalore, India
9.	Technology option	TO ₁ – Farmer Practices (200:40:20 :: N:P:K) TO ₂ – 75 % RDF (150:60:40 :: N:P:K) + 25 % through Vermicompost with Zn 25 kg and B 10 kg/ha TO ₃ – 75 % RDF (150:60:40 :: N:P:K) + 25 % through Vermicompost with Azotobactor and PSB TO ₄ – 100% RDF (150:60:40 :: N:P:K) + Zn 25 kg and B 10 kg/ha
10.	Plot Size	0.10 ha
11.	No of farmer	10
12.	Critical input	Seed, Organic and inorganic Fertilizers
13.	Performance indicator	Technical observations Initial and final soil analysis, Plant height, , No of grains per cob, grain and straw yield
		Economic Indicator Net return, B:C ratio
		Farmers' reaction/ feedback

Result:- Result Awaited

OFT-7

SN	Particulars	Description
1.	Intervention	Horticulture
2.	Title	Management and economic analysis of shoot borer in Brinjal for koshi region in Bihar
3.	Micro farming situation	Micro farming situation
4.	Production system	Vegetable-vegetable
5.	Thematic area	Plant protection
6.	Problem	Fruit and shoot borer highly infested the crop and farmer faces marketable losses
7.	Potential solution	Uses of Insecticides
8.	Source of technology	BAU, Sabour
9.	Technology option	TO ₁ – Farmer Practices (Use of Rogar) TO ₂ – Trizophos + Delta methrin @ 2ml/l water TO ₃ - Emainmectin benzoate 5% @ 0.4 gm/lit TO ₄ – Spinosad 45 SC @ ½ ml/l water
10.	Plot Size	80 seq mt
11.	No of farmer	6
12.	Critical input	Seed, chemicals
13.	Perform indicator	Technical observations Initial and final soil analysis, shoot damage %, fruit damage on weight and number basis (%), marketable fruit yield.
		Economic Indicator Net return, B:C ratio
		Farmers' reaction/ feedback

Technology options	Yield (Q/ha)	Production Cost (Rs./ha) @ Rs.850/Q	Gross Return (Rs.)	Net Profit (Rs.)	B:C Ratio
TO ₁	190.30	63500.00	161755.00	98255.00	1.54
TO ₂	230.10	63350.00	195585.00	132235.00	2.09
TO ₃	266.00	63200.00	226100.00	162900.00	2.58
TO ₄	299.30	63000.00	254405	194105.00	3.03

Result: The data recorded showed that TO₄ – Spinosad 45 SC @ ½ ml/l water performed better in management of fruit & shoot Borer in Brinjal over farmer's practices, It was also found that minimum shoot damage (16.10%) and fruit damage (20.75%) and maximum healthy fruit yield (291.30q/ha) recorded with the application of spinosad in (TO₄) The economics showed that spinosad (TO₄) treated plant having maximum B:C ratio (3.03) over control (1.54).

OFT-8

SN	Particulars	Description
1.	Intervention	Horticulture
2.	Title	Performance of different fungicide and Trichoderma viridi against wilting in garden Pea var. Azad Pea-3 in Katihar district
3.	Micro farming situation	Medium irrigated Land
4.	Production system	Vegetable - Vegetable
5.	Thematic area	Integrated Disease management
6.	Problem	In garden Pea wilting is a very serious problem in Katihar district which causes very low yield
7.	Potential solution	Suitable fungicide and trichoderma viridi a will reduce wilting in garden Pea which ultimately increase the yield and quality.
8.	Source of technology	BAU Sabour
9.	Technology option	TO ₁ – Farmer Practice's TO ₂ – Seed Treatment with trichoderma viridi @ 10g /kg of seed TO ₃ - Seed Treatment with Carbendazim @ 3g/kg of seed TO ₄ - Seed Treatment with Agrosan C ₂ N/ Cereson / Taqat @ 3g/kg of seed
10.	Plot Size/ unit	125 sqm
11.	Total Area	125X4X10= 500sqm=0.5 ha
12.	No of farmers	10
13.	Design	RBD
14.	Critical input	Seed , Fungicide, Trichoderma viridi

15.	Perform indicator	Technical observations No. of Branches/ plant, plant height, no. of Pods/Plant, pod length, Pod diameter, Pod Weight, Number of grains/pod, incidence of wilting (%), Shelling percentage , Yield(@/ha)
		Economic Indicator Net return, BC ratio
		Farmers' reaction/ feedback

Table: Effect of Different treatments on performance of PEA

Treatment	Plant Height (cm)	No. Of Branch/Plant	No. of Pods	Pod length (cm)	Pod Diameter (cm)	Pod Weight (gm)	No of Grain / Pod	Incidence of Wilting (%)	Yield (q/ha)	TSS
TO ₁	50.20	5.06	7.10	7.20	1.08	3.10	9.00	50.00	250.32	4.11
TO ₂	55.15	6.10	8.10	7.60	1.12	3.60	9.50	46.10	300.25	5.13
TO ₃	60.24	7.00	8.75	9.10	1.26	4.00	10.00	42.16	325.40	6.15
TO ₄	65.21	7.04	9.15	9.75	1.30	4.90	10.60	40.00	340.55	7.14
CD at 5%	4.15	1.35	2.60	2.14	0.08	1.70	1.80	3.88	4.50	2.65
CV	6.10	7.20	5.60	7.20	5.40	4.62	6.20	5.75	6.55	4.12

Treatment	Yield Q/ha	Cost of Cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Profit	B:C Ratio
TO ₁	50.20	5.06	7.10	7.20	2.01
TO ₂	55.15	6.10	8.10	7.60	2.78
TO ₃ -	60.24	7.00	8.75	9.10	4.18
TO ₄	65.21	7.04	9.15	9.75	4.38

The data showed that technical option IV (Takat @ 3g/kg of seed) performed better for management of wilting in Garden Pea variety Punjab-89 over farmers practices. It was also found that minimum wilting (40%) and maximum green pod yield (340.55 Q/ha) recorded with the application of Takat fungicide in T4 which was significantly superior to control where as minimum green yield (250.32 q/ha) found in farmers practices. The economics showed that Takat (T4) Treated plant having maximum B:C ration (4.38) over control (2.01). Hence Taqat Fungicide proved its superiority over trichoderma and Bevislin controlling wilt disease in garden pea.

OFT-9

SN	Particulars	Description
1.	Intervention	Extension Education
2.	Title	Evaluation of suitable wheat cultivar for late sown condition in paddy wheat cropping system
3.	Micro farming situation	Medium to Low land
4.	Production system	Rice-Wheat/Maize
5	Thematic area	Crop Production
6.	Problem	Farmers of Katihar district were unaware about best suited variety of wheat under late sown condition which results in low productivity of wheat.
7.	Potential solution	In the view of above problem selection and cultivation of proper/suitable varieties of prime importance.
8.	Source of technology	BAU,Sabour
9.	Technology option	TO ₁ = Farmers practice (PBW-373) TO ₂ = DBW-14 TO ₃ = Sabour Shreshta
10.	Plot Size	0.10 ha
11	No of farmers	10
12.	Critical input	Seed and chemicals
13.	Perform indicator	Yield(q/ha) Cost of cultivation(Rs/ha), Gross return(Rs/ha), Net return(Rs/ha) Farmers' reaction/ feedback .

Table : Effect of late sown wheat variety under irrigated medium land condition

Technology option	Yield (q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Farmers practice (PBW-373)	26.72	16700	34736	18036	2.08
Sabour Shreshta	33.28	17600	43264	25664	2.45
DBW-14	31.05	17600	40365	22765	2.29

RESULT:-

The On farm Trail for asses the performance of late sown Wheat varieties under irrigated medium land condition utilized that the variety Sabour Shreshta perform better among all issued varieties with grain yield 33.28 q/ha, net return Rs 25664/ha and the B:C ratio is was 2.45.

Field Study:10

Title	Impact of frontline Demonstration on farmer's adoption rate.
Specific Objectives	1. To study the perceived attributes of the technology intervened through FLD demonstrated by KVK, Katihar
	2. To study impact of the FLD demonstrated by KVK, Katihar
Locale	Katihar District
Research design	Exploratory and diagnostic
Sampling plan	Population study (100 beneficiaries of 10 FLD by KVK, Katihar)

Result:- Awaited**Field Study:11**

Title	Impact of KVK, Training Programme on Adoption of Organic Farming Practices
Specific Objectives	1. To Assess the perception of Organic farming practices training Programmes among the trained farmers from Krishi Vigyan Kendra, Katihar
	2. To study the constraints perceived by the farmers during adoption of Organic farming Practices
Locale	Katihar District
Research design	Exploratory and diagnostic
Sampling plan	Population study (150 trained farmers by KVK, Katihar)

Table 1: Extent of perception of training programme among the trained farmers about organic farming practices

S. No.	Organic farming practices	Extent of perception (n=150)					
		Low	(%)	Medium	(%)	High	(%)
1	Application of FYM	9	6.00	59	39.33	82	54.67
2	Green Mannuring	42	28.00	46	30.67	62	41.33
3	Vermi composting	38	25.33	69	46.00	43	28.67
4	Azolla	40	26.67	68	45.33	42	28.00
5	Blue Green algae	29	19.33	77	51.33	44	29.33
6	Use of Neem oil	40	26.67	78	52.00	32	21.33
7	Use of cow urine	28	18.67	74	49.33	48	32.00
8	Use of Azotobactor & PSB	39	26.00	76	50.67	35	23.33

Table 2: Distribution of respondents according to their perception in relation to organic farming practices before and after participating in training programme

S. No.	Categories	Respondents (n=150)			
		Before		After	
		No.	%	No.	%
1	Low	84	56.00	47	31.33
2	Medium	59	39.33	61	40.67
3	High	7	4.67	42	28.00
4	Total	150	100.00	150	100.00

Table 3. Distribution of respondents according to various constraints faced by them in using organic farming practice

S. No.	Constraints	Beneficiaries		Rank
		No.	(%)	
1	Difficult method of preparation of organic inputs	110	73.33	I
2	High cost of inputs	103	69.67	II
3	Poor credit facilities	96	66.00	III
4	Lack of inputs & Raw materials	88	61.67	IV
5	Climatic Conditions	79	56.67	V
6	Lack of training	66	49.00	VI
7	Poor financial conditions	61	46.67	VII
8	Non availability of Extension literature	53	42.33	VIII

Table 4: Relationship between attributes of trained farmers and their perception about organic farming practices

S.No	Particulars	Correlation Coefficient
1	Age	0.028 *
2	Education	0.521**
3	Caste	0.075*
4	Size of Family	0.029*
5	Social participation	0.075*
6	Size of land holding	0.314**
7	Credit availability	0.298**
8	Annual income	0.521**
9	Source of information	0.278**
10	Contact with extension personnel	0.412**
11	Innovativeness	0.245**
12	Knowledge about organic farming	0.473**

*** Non Significant ** Significant at p=0.005 level**

CONCLUSION

This study concluded that only 4.67 per cent of the respondents had high perception in organic farming before participation of training and after the participation of training programme this figure is increased up to 28.00 per cent. In this study difficult method of preparation of organic inputs & high cost of inputs were major problem experienced by the farmers during adoption of organic farming practices.

OFT- 12

SN	Particulars	Description
1.	Intervention	Agronomy
2.	Title	Integrated weed management in Green Gram
3.	Micro farming situation	Medium to Low land
4.	Production system	Rice-Wheat- Green Gram
5	Thematic area	Weed management
6.	Problem	Poor Weed management is an important reason for low productivity of green gram in Koshi region of Bihar
7.	Potential solution	Integrated weed management is an important key factor for enhancing the productivity of green gram as weeds compete for nutrients, Water, light and space with crop plants during early growth period.
8.	Source of technology	JAU, Junagarh
9.	Technology option	TO ₁ Farmers Practice (Hand weeding at 35 DAS) TO ₂ Pendimethaline 1.0 kg ai/ha(pre emergence) TO ₃ Quizalofop-ethyl @40 gm a.i /ha at 20 DAS TO ₄ Quizalofop-ethyl @50 gm a.i /ha at 30 DAS
10.	Plot Size	0.10 ha
11	No of farmer	10
12.	Critical input	Seed, Chemicals
13.	Performance indicator	Technical observations
		Seed yield(q/ha), Stover yield (q/ha)
		Economic Indicator
		Cost of cultivation (Rs/ha), Gross return(Rs/ha), Net return(Rs/ha),BC ratio
		Farmers' reaction/ feedback

Result - Awaited

OFT - 13

SN	Particulars	Description
1.	Intervention	Horticulture
2.	Title	Performance of micronutrients on yield and quality of Mango
3.	Micro farming situation	Micro farming situation
4.	Production system	Vegetable - Vegetable
5	Thematic area	INM
6.	Problem	Due to deficiency of micronutrient maximum fruits drop just after flowering was observed and also fruits quality decorated interms of fruits cracking less attractive fruit skin roughness
7.	Potential solution	Spraying of micronutrient (Boric acid and Copper sulphate) checks fruits dropping and improved fruit quality like to attractive nesses skin color and minimizing fruit cracking ultimately yield and quality will be increased.
8.	Source of technology	BAU Sabour
9.	Technology option	TO ₁ – Farmer Practice TO ₂ – RDF(100 gm N, 500 gm P ₂ O ₅ , 500 gm K ₂ O/Plant) T0 ₃ - RDF + 0.4 % Foliar spray ZnSO ₄ + 0.2%Foliar spray of Basic Acid. T0 ₄ - RDF + 0.4 % Foliar spray ZnSO ₄ + 0.2%Foliar spray of Basic Acid+0.2%Foliar spray of CuSO ₄
11	No of farmers	10
	Design	RBD
12.	Critical input	Chemical fertilizers, Micronutrients.Refractometer-1
13.	Perform indicator	<p>Technical observations plant height(m), Plant girth (cm), Plant spread(East- Weat & North – South) (m), Canopy Volume (m³) no. of fruit/Plant, Average fruit weight(gm), Fruit Yield (kg/Plant) , Fruit Size (mm) length speath, TSS (%), Acidity(%).</p> <p>Economic Indicator Net return, BC ratio</p> <p>Farmers' reaction/ feedback</p>

Result - Awaited

OFT - 14

SN	Particulars	Description
1.	Intervention	Horticulture
2.	Title	Effect of chemicals and PGR on pollination and fruit set for better yield on Mango.
3.	Micro farming situation	Medium and Up land
4.	Production system	Fruit Cultivation
5.	Thematic area	Crop Improvement
6.	Problem	Excess fruit drop in initial steg
7.	Potential solution	To control the fruit drop percentage with the application of chemical and PGR.2.Increase the furit set % with the help of polliantion
8.	Source of technology	BAU,Sabour
9.	Technology option	Opt. I-Farmers practice(use insecticide) Opt. II- Calcium nitrate (0.06%)+Boric acid(0.02%). Opt.III- Calcium nitrate (0.06%)+Sorbitol(2.0%). Opt.IV- Boric acid(0.02%)+Sorbitol(2.0%). Opt.V- NAA 50 ppm
10.	Plot Size	25 (plant)
11	No of farmer	05
12	Critical input	Chemical & PGR
13	Performance indicator	1)Fruit sting 2) Fruit drop (at 15 day interval till maturity) 3) Fruit Weight 4) Fruit yield (q/Plant) 5) Size of Fruit (mm) 6) TSS and 7) Acidity
	Economic Indicator	B C ratio
		Farmers' reaction/ feedback

Result - Awaited

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Sl. No	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	
1	Green Gram	ICM	Seed, INM	05	5	9	16	25	
2	Jute	ICM	Seed, IWM	08	10	7	18	25	
3	Paddy	ICM	Seed, IWM	10	10	1	24	25	
4	Paddy	ICM	Seed, INM	10	10	13	12	25	
5	Paddy	ICM	Seed	-	10	25		25	
6	Jute	ICM	Seed, INM	20	20	23	27	50	
7	Paddy & Dhaicha	INM	Seed, INM	04	10	4	21	25	
8	Paddy & Biofertilizer	INM	Seed, INM	10	10	13	12	25	
9	Brinjal	Vegetable Production	Seed	02	1.75	3	12	15	
10	Cauliflower	Vegetable Production	Seed	01	2.75	3	17	20	
11	Nutritional Garden	Nutritional Security	Seed	0.675	0.675	2	13	15	
12	Azolla	INM	INM	04	10	0	10	10	
13	Bottle Gourd	Vegetable Production	Seed	01	1	0	8	8	
14	SD Card	-	-	-	-	4	21	25	
15	Fodder Maize	Fodder Production	Seed	-	10	1	19	20	
16	Mustard	Oil Seed Production	Seed, INM, IWM	-	4	38	62	100	
17	Lentil	Pulse Production	Seed, INM, IWM	-	20	9	41	50	
18	Mushroom production	Income Generation	Seed	-	15	7	8	15	
19	Enterprise Nutritional Garden	Nutritional Security	Seed	-	2	4	8	12	
20	Worms	Worms	INM	-	30	9	21	30	
21	Green Gram	Pulse Production	Seed	-	12	9	21	30	
22	Black Gram	ICM	Seed, INM, IWM	20	20			50	
23	Green Gram	ICM	Seed, INM, IWM	10	10			25	

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 ₂ O ₅	K ₂ O					
Green Gram	Summer, 2017	Irrigated	Sandy	175	22	280	Wheat	30-3-17 to 4-4-17	11-7-17 to 19-7-17		
Jute	Summer 2017	Irrigated	Sandy Clay	209	17	238	Mustard	15/4/17 to 22/4/17	16/8/17 to 30/8/17		
Paddy	Kharif 2017	Irrigated	Sandy	214	16	292	Daicha	3-7-17 to 9-7-17	12-11-17 to 20-11-17		
Paddy	Kharif 2017	Irrigated	Sandy Clay	216	17	302	Green Gram	7-7-17 to 10-7-17	17-11-17 to 28-11-17		
Paddy	Kharif 2017	Irrigated	Sandy Clay	205	18	296	Maize	5-7-17 to 13-7-17	15-12-17 to 23-12-17		
Jute	Summer 2017	Irrigated	Sandy Clay	212	16	235	Wheat	13-4-17 to 25-4-2017	16-8-17 to 30-8-17		
Brown Mannuring	Kharif 2017	Irrigated	Sandy Clay	203	16	285	Maize	8-7-17 to 16-7-17	10-11-17 to 20-11-17		
Biofertilizer	Kharif 2017	Irrigated	Sandy Clay	198	15	276	Maize	2-7-17 to 10-7-17	10-11-17 to 20-11-17		
Brinjal	Kharif 2017	Irrigated	Sandy	206	15	272	CowPea	5-6-17 to 11-6-17			
Cauliflower	RABI 2017-18	Irrigated	Sandy	204	16	279	Lady Finger	10-8-17 to 17-8-17			
Nutritional Garden	RABI 2017-18	Irrigated	Sandy	201	14	268	Bottle Gourd	25-8-17 to			

								2-9-17			
Azolla	Kharif 2017	Irrigated	Sandy	198	17	284	Maize	17-7-17 to 19-7-17	10-11-17 to 20-11-17		
Bottle Gourd	Kharif 2017	Irrigated	Sandy	212	16	295	Bitter Gourd	30-5-17 to 6-6-17			
SD Card	-	-	-	-	-	-	-	-	-		
Fodder Maize	Rabi 2017-18	Irrigated	Sandy	205	14	301	Paddy	22-11-17 to 29-11-2017	15-1-2018 to 28-01-18		
Mustard	Rabi 2017-18	Irrigated	Sandy	225	15	293	Paddy	20-11-17 to 27-11-2017	20-02-18 to 28-02-18		
Lentil	Rabi 2017-18	Irrigated	Sandy	221	16	272	Paddy	16-11-17 to 25-11-2017	25-3-18 to 31-03-18		
Mushroom production	Rabi 2017-18	-	-	-	-	-	-	-	-		
Enterprise Nutritional Garden	Rabi 2017-18	Irrigated	Sandy	-	-	-	-	-	-		
Worms	Rabi 2017-18	-	-	-	-	-	-	-	-		
Green Gram	Summer 2017-18	Irrigated	Sandy	213	15	271	Wheat	30-3-18 to 5-4-18	Standing in Field		

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	Name of the	No. of	Area	Yield (q/ha)	% Incre	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)
------	----------	-------------	--------	------	--------------	---------	--------------------------------------	------------------------------

	Area	technology demonstrated	Farmers	(ha)	Demo	Check	ase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	ICM	Seed, INM, IWM	100	40	7.86	5.83	34.82	12400	28296	15896	2.28	11300	21988	9688	1.94
Total			100	40	7.86	5.83	34.82	12400	28296	15896	2.28	11300	21988	9688	1.94

* 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)			
					Dem o	Ch eck		Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Lentil	ICM	Seed, INM, IWM	50	20	13.69	10.25	33.56	21600	56129	34529	2.6	20500	42025	21525	2.05
Green Gram (2016-17)	ICM	Seed, INM, IWM	25	10	8.45	6.15	37.4	12850	33825	20975	2.63	14120	46475	32355	3.29
Black Gram (2016-17)	ICM	Seed, INM, IWM	75	30	7.96	6.78	17.04	12100	33900	21800	2.80	12800	39800	27000	3.10
Black Gram	ICM		50	20	Standing in the field										
Green Gram	ICM	Seed, INM, IWM	25	10	Standing in the field										
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 Farmers	Area (ha)/ Unit	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Dem ons ratio n	Ch eck		De mo	Ch eck	Gr oss Co st	Gr oss Ret urn	Net Ret urn	** B C R	Gr oss Co st	Gr oss Ret urn	Net Ret urn	** B C R
Paddy	ICM	RM-1	25	10	40.45	36.5	10.82			23000	52585	29585	2.29	22600	47450	24850	2.09
Paddy	ICM	Swarna Sub-1	25	10	41.2	37.6	12.8			23000	53378	30378	2.32	22600	48178	25578	2.13

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.	Jute	Improved Seed variety increased production
2.	Worms	Application of Vermicompost increased Production and quality of product
3.	Paddy	Improved Seed variety increased production against traditional paddy varieties
4.	Azolla	Application of Bio fertilizer increased Production and milk of farmers
5.	Cauliflowers	Improved Seed variety increased production and marketing
6.	PSB & Azotobactor	Application of Bio fertilizer increased Production
7.	Wheat	Improved Seed variety increased production
8.	Lentil	Improved Seed variety , and Nutrient Management increased production
9.	Green gram	Improved Seed variety , Practices of Preemergence weedicide and Nutrient Management increased production
10.	Mustard	Improved Seed variety , Practices of Preemergence weedicide and Nutrient Management increased production

Extension and Training activities under FLD

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

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2017 and Rabi 2017-18:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max	Min	Av.	D	S	P
1	Lentil	K-75	10.25	1080	1035	2000	HUL-57 Seed, INM, IWM & Biofertiliser	50	20	14.72	12.66	13.69	26.75	32.27	-31.55
2.	Mustard	Maghi	5.83	550	600	1000	Uttara Seed, INM, IWM & Biofertiliser	100	40	8.64	7.08	7.86	42.9	31.00	-21.4
3.	Moong (2016-17)	Local Variety	6.15	634	576	1200 - 1500	IPM0203+ Seed, Seed treatment, bio fertilizer, Micro Nutrient and Pest management	25	10	9.38	7.52	8.45	24.97	31.83	-37.40
4.	Blackgram (2016-17)	Local Variety	6.78	656	560	1000 - 1200	PU 31+ Seed, Seed treatment, bio fertilizer, Micro Nutrient and Pest management	75	30	9.05	6.87	7.96	17.58	29.64	-38.19

5.	Moong (2017-18)	Standing in the field
6.	Blackgram (2017-18)	Standing in the field

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.	Lentil HUL-57 Seed, INM, IWM & Biofertiliser	20700	33792	13092	1.63	22500	54760	32260	2.43
2.	Mustard Uttara Seed, INM, IWM & Biofertiliser	11300	20916	9616	1.85	12600	27864	15264	2.21
3.	Green Gram IPM0203+ Seed, Seed treatment, bio fertilizer, Micro Nutrient and Pest management	12850	33825	20975	2.63	14120	46475	32355	3.29
4.	Black Gram PU 31 + Seed, Seed treatment, bio fertilizer, Micro Nutrient and Pest management	12100	33900	21800	2.80	12800	39800	27000	3.10

5.	Green Gram IPM0203Seed, INM, IWM & Biofertiliser	Standing in the field
6.	Black Gram PU -31 Seed,INM, IWM & Biofertiliser	Standing in the field

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.	Mustard, Uttara	314.4	280	36/kg	10 kg	24.4	Farming and Livelihood	13
2.	Lentil, HUL-57	547.6	420	40/kg	45 kg	42.6 kg	Farming and Livelihood	15
3	Green Gram (2016-17)	338	238	55	40	60	Farming and Livehood	28
4	Black Gram (2016-17)	318.4	223.4	50	25	70	Farming and Livehood	26
5	Black Gram	Standing in the field						
6	Green Gram	Standing in the field						

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.	Mustard,Uttara – Seed , INM ,IWM biofertiliser	Yes	Yes	Yes	No	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Short duration of mustard best for late sowing	Good	Good	Positive
Seed treatment of pulse with Bio fertilizer and Rizboium,	Good	Good	Positive
INM and IWM	Good	Good	Positive
Black gram var.PU31	Bold seeded, tolerant to YMV	No incidence of YMV in demonstrated crop while local check infested with YMV	Good variety
Green gram var. IPM 0203	Resistant to MYMV	No incidence of MYMV in demonstrated crop while local check infested with MYMV	Good variety
Seed treatment	Better germination	Better germination in demonstrated crop as compared to local check	Helpful in yield enhancement
Micronutrient	Better crop growth	Better crop growth in demonstrated crop as compared to local check	Helpful in yield enhancement

Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1. Lentil	Training on demonstrated tehnoiges	21.11.2017,Nimaul	44
	Diagnostic field visit	07.12.2017, Nimaul	12
	Diagnostic field visit	10.01.2018, Nimaul	8
	Training for Agronomical operations	16.12.2017, Maniya	25
	Diagnostic field visit	02.02.2018, Maniya	11
	Diagnostic field visit	08.03.2018, Nimaul	13
	Field day	30.03.2018, Nimaul	45

2. Mustard	Training on demonstrated technologies	13.11.2017, Nimaul	42
	Diagnostic field visit	12.12.2017, Maniya	8
	Diagnostic field visit	30.12.2017, Nimaul	12
	Training for Agronomical operations	08.12.2017, Nimaul	47
	Diagnostic field visit	22.01.2018, Nimaul	12
	Field day	09.02.2014, Maniya	41
Green gram	Training (green gram)	20.03.2017 and KVK, katihar	25
	Field day (green gram)	29.06.2017, Khaira	40
	Diagnostic field visit		
Black Gram	Field visit (Black gram)	06.05.2017, Basantpur	33
	Field visit (green gram)	13.05.2017, Bhedmara	31
	Field visit (Black gram)	20.05.2017, Guagahi	26
	Field visit (Black gram)	03.06.2017, Guagahi	34
	Training (Black gram)	23.03.2017 ,KVK, katihar	29
	Field visit (Black gram)	29.06.2017, Khaira	22
	Field day (Black gram)	20.06.2017, Basantpur	51

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

G. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input	0.00	1,35,000.00	(-)1,35,000.00
	ii) TA/DA/POL etc. for monitoring	0.00	7,961.00	(-)7,961.00
	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	0.00	1,42,961.00	(-)1,42,961.00

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Black Gram	i) Critical input	0.00	1,34,861.00	(-)1,34,861.00
	ii) TA/DA/POL etc. for monitoring	0.00	14,208.00	(-)14,208.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	0.00	1,49,069.00	(-)1,49,069.00

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Green gram	i) Critical input	0.00	67,410.00	(-)67,410.00
	ii) TA/DA/POL etc. for monitoring	0.00	7170.00	(-)7170.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	0.00	74580.00	(-)74580.00

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard	i) Critical input	1,29,600.00	2,15,749.00	(-)86,149.00
	ii) TA/DA/POL etc. for monitoring	14,400.00	23,932.00	(-)9,532.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	1,44,000.00	2,39,681.00	(-)95,681.00

K. List of Farmer under FLD (Crop wise)**Crop Green Gram**

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Prakash Kumar	Kumar Sharma	Palsa	Ajmanagar	9162515815		25.48832	87.78703	Yes		SE Ed, Biofertilizer, INM, IWM	IPM-0203	300 Kg	938	732	8545	6.15	37.40
Rakesh Kumar Roshan		Palsa	Ajmanagar			25.48841	87.78708	Yes			IPM-0203						
Gautam Shil	Sri Yogesh Shil	Palsa	Ajmanagar	8825228823		25.48829	87.78718	Yes			IPM-0203						
Gopal Kumar Sharma	Sahdev Prasad Sharma	Palsa	Ajmanagar	8969718607		25.48789	87.78703	Yes			IPM-0203						
Prahlad Thakur	Uamkant Thakur	Palsa	Ajmanagar	9934832790		25.48849	87.78753	Yes			IPM-0203						
Rekha Devi	Deepak Kumar Sharma	Palsa	Ajmanagar	9771593374		25.48825	87.78728	Yes			IPM-0203						
Ramanand Sharma	Ranglal Sharma	Palsa	Ajmanagar	7280929361		25.48857	87.78683	Yes			IPM-0203						
Rajiv Sharma	Ramanad Sharma	Palsa	Ajmanagar	7654411990		25.48813	87.78768	Yes			IPM-0203						

Gane sh Shar ma	Laks hmi Pras ad Shar ma	Palsa	Aja mn aga r	8298 8238 01		25.48 793	87. 787 83	Yes			IPM- 0203						
Giran and Shar ma	Jagd eesh Shar ma	Palsa	Aja mn aga r	8521 7500 72		25.48 869	87. 787 73	Yes			IPM- 0203						
Rajen dra sah	Arju n Sah	Palsa	Aja mn aga r	8294 3300 41		25.48 785	87. 786 98	Yes			IPM- 0203						
yoges h Kuma r Sah	Subo dh Chan dra Sah	Palsa	Aja mn aga r	7762 0777 26		25.48 801	87. 787 58	Yes			IPM- 0203						
Dhire ndra Prasa d shar ma	Nara yan Shar ma	Palsa	Aja mn aga r	9006 1909 26		25.48 853	87. 787 98	Yes			IPM- 0203						
Parm eshw er Shar ma	Bhol a Shar ma	Palsa	Aja mn aga r	9572 8160 77		25.48 809	87. 786 78	Yes			IPM- 0203						
Om Praka sh Panji karan	Lala Pras ad Panji kar	Palsa	Aja mn aga r	7549 3956 79		25.48 881	87. 787 13	Yes			IPM- 0203						
Nares h Kuma r thaku r	Mah esh Pras ad Thak ur	Palsa	Aja mn aga r	9162 9338 05		25.48 845	87. 787 33	Yes			IPM- 0203						
ratan Panji kar	Bald ev Panji kar	Palsa	Aja mn aga r	9631 8176 97		25.48 817	87. 787 43	Yes			IPM- 0203						
Avina sh Shar ma	Avin ash Shar ma	Palsa	Aja mn aga r	9661 3588 84		25.48 797	87. 787 63	Yes			IPM- 0203						
Dom an Sah	Nath u Sah	Palsa	Aja mn aga	9117 9117 80		25.48 873	87. 786 88	Yes			IPM- 0203						

			r																
Utta m Shar ma	Nakc hed i Shar ma	Palsa	Aja mn aga r	7739 1932 83		25.48 821	87. 787 93	Yes			IPM- 0203								
Aniru ddha Shar ma	Adha nu Shar ma	Palsa	Aja mn aga r	7292 8842 14		25.48 837	87. 787 78	Yes			IPM- 0203								
Lala Prasa d Panji kar	Bana ras Pras ad Panji kar	Palsa	Aja mn aga r	7323 8039 01		25.48 805	87. 787 48	Yes			IPM- 0203								
Praka sh Sah	Sukh e Shah	Palsa	Aja mn aga r	7033 1429 08		25.48 877	87. 786 93	Yes			IPM- 0203								
Puran and Thak ur	Kaks hmi Thak ur	Palsa	Aja mn aga r	6201 5299 37		25.48 865	87. 787 38	Yes			IPM- 0203								
subol Shar ma	Nara yan Shar ma	Palsa	Aja mn aga r	9572 1387 40		25.48 861	87. 787 23	Yes			IPM- 0203								

a) Crop Black Gram

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Babu Lal Sah	Lakhan Sah	Palsa	Ajmanagar	9631717588		25.48764	87.78719	Yes		SEE d, Biofertilizert, INM, IW M	PU-31	900 Kg	9.65	6.87	7.96	6.78	17.05
Ajay Sharma		Palsa	Ajmanagar	9006727541		25.48779	87.78695	Yes			PU 31						
Lotika Devi	Ganesh Sharma	Palsa	Ajmanagar	8677036067		25.48806	87.78735	Yes			PU 31						

i shar ma	Prasa d Shar ma	ual	mn aga r	258 671 8		351 54	514 93				ara						
Jaim uddi n	Saha budd in	Nim ual	Aja mn aga r	875 777 983 8		25. 350 46	87. 519 63	Yes			Utt ara						
Mum taj Ali	Sadir	Nim ual	Aja mn aga r	964 714 453 3		25. 350 62	87. 520 56	Yes			Utt ara						
Md. Ajam	Basur uddi n	Nim ual	Aja mn aga r	959 380 151 0		25. 350 81	87. 521 35	Yes			Utt ara						
Tahsi na	Jhan gir	Nim ual	Aja mn aga r	754 282 743 1		25. 351 25	87. 521 94	Yes			Utt ara						
Md. Akil	Anw ar Huss ain	Nim ual	Aja mn aga r	957 208 608 7		25. 350 74	87. 522 43	Yes			Utt ara						
Naji mud din	Mahi uddi n Tetali ya	Nim ual	Aja mn aga r	703 377 441 0		25. 351 89	87. 518 72	Yes			Utt ara						
Md. Hanif	sakir uddi n	Nim ual	Aja mn aga r	954 636 425 4		25. 350 68	87. 523 61	Yes			Utt ara						
Md. Man nww ar	Nija mud din	Nim ual	Aja mn aga r	875 763 637 1		25. 350 72	87. 524 25	Yes			Utt ara						
Akali	Rajja k	Nim ual	Aja mn aga r	704 728 943 4		25. 350 12	87. 506 87	Yes			Utt ara						
Md. Soya b	Abdu l	Nim ual	Aja mn aga r	973 323 828 0		25. 351 27	87. 525 69	Yes			Utt ara						
Rikat Khat oon	Md. Man owar	Nim ual	Aja mn aga r	966 109 767 6		25. 350 88	87. 527 86	Yes			Utt ara						
Maji but Rah	Rajja k	Nim ual	Aja mn aga	880 717 499		25. 350 96	87. 528 14	Yes			Utt ara						

eybari Praveen	Alam	ual	mnagar			35000	517695				ara						
ahas an Ali	Noor Alam	Nimual	Ajmnagar			25.35129	87.50184	Yes			Uttara						
muji boor rahman	jamiruddin	Nimual	Ajmnagar			25.35077	87.50115	Yes			Uttara						
man war alam	fajlor	Nimual	Ajmnagar			25.35143	87.52156	Yes			Uttara						
Lali Devi	Ran Chand Urawn	Maniya	Katihar	8378881307		25.52323	87.60343	Yes			Uttara						
Rukmani Devi	Sakar Urawn	Maniya	Katihar	7277245759		25.52260	87.60408	Yes			Uttara						
Sumitra Devi	Munshi Urawn	Maniya	Katihar	8292930208		25.52035	87.60512	Yes			Uttara						
duniya Devi	Pura n Urawn	Maniya	Katihar	7673052600		25.52152	87.60759	Yes			Uttara						
Jaymala Devi	Sukan Sah	Maniya	Katihar	8405033875		25.52116	87.60694	Yes			Uttara						
Mira Devi	Balram Thakur	Maniya	Katihar	8969847114		25.52080	87.60473	Yes			Uttara						
Joga ni Devi	Hathiya Urawn	Maniya	Katihar	7779967027		25.52161	87.60772	Yes			Uttara						
Poonum Devi	Narendra Thakur	Maniya	Katihar	8709627342		25.52368	87.60278	Yes			Uttara						
Budhya Devi	Bhattu thaur	Maniya	Katihar	887756844		25.52332	87.60434	Yes			Uttara						

Khatoon			r	4821		71	69										
rehan Khatoon	Noor Mohammad	Maniya	Katihar	8708193650		25.52296	87.60642	Yes									Uttara
Batiya Devi	Budhva Urawan	Maniya	Katihar			25.52224	87.60668	Yes									Uttara
Vimala Devi		Maniya	Katihar	9199808304		25.52217	87.6033	Yes									Uttara
Babita Devi	Ganga Mandal	Maniya	Katihar	9531918230		25.52197	87.60785	Yes									Uttara
Raniya Devi	Lachhu Urawan	Maniya	Katihar	8298354070		25.52206	87.60447	Yes									Uttara
Parmila Devi	Jitan Mandal	Maniya	Katihar			25.52143	87.60395	Yes									Uttara

Crop Lentil

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Md. Yusuf	Md. Rajjank	Nimaul	Ajmanagar	9733238280		25.35071	87.52164	Yes		Seed, Biofertilizer, INM, IWM	HU L-57	700 Kg	14.72	12.66	13.69	10.25	33.56
Md. Mainudin	Sahabuddin	Nimaul	Ajmanagar			25.35099	87.52733	Yes			HU L-57						
Md. Jahigir	Domnan Ali	Nimaul	Ajmanagar	7542827431		25.35080	87.52925	Yes			HU L-57						

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
I. Crop Production													
Weed Management	4	81	0	81	9	0	9	20	4	24	110	4	114
Resource Conservation Technologies	1	0	0	0	0	0	0	15	9	24	15	9	24
Cropping Systems	2	37	1	38	3	5	8	5	0	5	45	6	51
Crop Diversification	1	16	3	19	0	4	4	3	1	4	19	8	27
Integrated Farming	1	14	7	21	2	3	5	2	2	4	18	12	30
Water management	1	10	0	10	2	0	2	11	5	16	23	5	28
Seed production	1	12	0	12	3	0	3	11	0	11	26	0	26
Nursery management	1	14	7	21	2	3	5	2	2	4	18	12	30
Integrated Crop Management	7	137	21	158	20	3	23	51	61	112	208	85	293
Fodder production	2	17	6	23	0	0	0	22	8	30	39	14	53
Production of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, (cultivation of crops)	00	00	00	00	00	00	00	00	00	00	00	00	00
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	25	0	25	2	0	2	1	0	1	28	0	28
Water management	00	00	00	00	00	00	00	00	00	00	00	00	00
Enterprise development	00	00	00	00	00	00	00	00	00	00	00	00	00
Skill development	00	00	00	00	00	00	00	00	00	00	00	00	00
Yield increment	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of low volume and high value crops	00	00	00	00	00	00	00	00	00	00	00	00	00
Off-season vegetables	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery raising	00	00	00	00	00	00	00	00	00	00	00	00	00
Export potential vegetables	00	00	00	00	00	00	00	00	00	00	00	00	00
Grading and standardization	00	00	00	00	00	00	00	00	00	00	00	00	00
Protective cultivation (Green Houses, Shade Net etc.)	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any (Cultivation of Vegetable)	23	454	19	473	71	0	71	37	19	56	562	38	600
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	1	6	9	15	2	1	3	0	0	0	8	10	18
Cultivation of Fruit	00	00	00	00	00	00	00	00	00	00	00	00	00
Management of young plants/orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Rejuvenation of old orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Export potential fruits	00	00	00	00	00	00	00	00	00	00	00	00	00
Micro irrigation systems of orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Plant propagation techniques	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any(INM)	00	00	00	00	00	00	00	00	00	00	00	00	00
c) Ornamental Plants													
Nursery Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Management of potted plants	00	00	00	00	00	00	00	00	00	00	00	00	00
Export potential of ornamental plants	00	00	00	00	00	00	00	00	00	00	00	00	00
Propagation techniques of Ornamental Plants	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
d) Plantation crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Production and Management technology	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00	00
e) Tuber crops														
Production and Management technology	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00	00
f) Spices														
Production and Management technology	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Processing and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00	00
g) Medicinal and Aromatic Plants														
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Production and management technology	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Post harvest technology and value addition	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00	00
III. Soil Health and Fertility Management														
Soil fertility management	2	18	4	22	6	4	10	13	4	17	37	12	49	
Soil and Water Conservation														
Integrated Nutrient Management	24	320	65	385	90	34	124	137	41	178	547	140	687	
Production and use of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Management of Problematic soils	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Micro nutrient deficiency in crops	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Nutrient Use Efficiency	1	8	2	10	4	4	8	5	3	8	17	9	26	
Soil and Water Testing	1	16	1	17	4	2	6	1	0	1	21	3	24	
Others, if any	6	44	35	79	24	11	35	16	12	28	84	58	142	
IV. Livestock Production and Management														
Dairy Management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Poultry Management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Piggery Management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Rabbit Management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Disease Management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Feed management	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of quality animal products	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any Goat farming	00	00	00	00	00	00	00	00	00	00	00	00	00	00
V. Home Science/Women empowerment														
Household food security by kitchen gardening and nutrition gardening	1	13	4	17	2	1	3	0	0	0	15	5	20	
Design and development of low/minimum cost diet	1	0	21	21	0	4	4	0	0	0	0	25	25	
Designing and development for high nutrient efficiency diet	1	13	7	20	4	3	7	0	0	0	17	10	27	

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Protected cultivation of vegetable crops	00	00	00	00	00	00	00	00	00	00	00	00	00
Commercial fruit production	00	00	00	00	00	00	00	00	00	00	00	00	00
Repair and maintenance of farm machinery and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery Management of Horticulture crops	00	00	00	00	00	00	00	00	00	00	00	00	00
Training and pruning of orchards	2	30	0	30	7	2	9	3	0	3	40	2	42
Value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of quality animal products	00	00	00	00	00	00	00	00	00	00	00	00	00
Dairying	00	00	00	00	00	00	00	00	00	00	00	00	00
Sheep and goat rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Quail farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Piggery	00	00	00	00	00	00	00	00	00	00	00	00	00
Rabbit farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Poultry production	00	00	00	00	00	00	00	00	00	00	00	00	00
Ornamental fisheries	00	00	00	00	00	00	00	00	00	00	00	00	00
Para vets	00	00	00	00	00	00	00	00	00	00	00	00	00
Para extension workers	00	00	00	00	00	00	00	00	00	00	00	00	00
Composite fish culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Freshwater prawn culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Shrimp farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Pearl culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Cold water fisheries	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish harvest and processing technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Fry and fingerling rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Small scale processing	00	00	00	00	00	00	00	00	00	00	00	00	00
Post Harvest Technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Tailoring and Stitching	00	00	00	00	00	00	00	00	00	00	00	00	00
Rural Crafts	00	00	00	00	00	00	00	00	00	00	00	00	00
Others, if any	8	144	5	149	29	14	43	19	10	29	192	29	221
TOTAL	12	212	8	220	41	19	60	26	15	41	279	42	321

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	3	202	14	216	12	0	12	0	0	0	214	14	228
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient management	1	21	0	21	5	0	5	4	0	4	30	0	30
Rejuvenation of old orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
Protected cultivation technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Formation and Management of SHGs	2	45	0	45	7	0	7	0	0	0	52	0	52
Group Dynamics and farmers organization	00	00	00	00	00	00	00	00	00	00	00	00	00
Information networking among farmers	00	00	00	00	00	00	00	00	00	00	00	00	00
Capacity building for ICT application	00	00	00	00	00	00	00	00	00	00	00	00	00
Care and maintenance of farm machinery and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
WTO and IPR issues	00	00	00	00	00	00	00	00	00	00	00	00	00
Management in farm animals	00	00	00	00	00	00	00	00	00	00	00	00	00
Livestock feed and fodder production	00	00	00	00	00	00	00	00	00	00	00	00	00
Household food security	00	00	00	00	00	00	00	00	00	00	00	00	00
Women and Child care	1	0	22	22	0	8	8	0	0	0	0	30	30
Low cost and nutrient efficient diet designing	00	00	00	00	00	00	00	00	00	00	00	00	00
Production and use of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00
Gender mainstreaming through SHGs	00	00	00	00	00	00	00	00	00	00	00	00	00
Crop intensification	00	00	00	00	00	00	00	00	00	00	00	00	00
Other	11	419	32	451	54	16	70	12	0	12	485	48	533
TOTAL	18	687	68	755	78	24	102	16	0	16	781	92	873

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				
fishes														
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site														
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics														
Leadership development	2	47	9	56	4	4	8	0	7	7	51	20	71	
Group dynamics	5	90	15	105	14	17	31	12	3	15	116	35	151	
Formation and Management of SHGs	2	41	0	41	9	0	9	14	0	14	64	0	64	
Mobilization of social capital														
Entrepreneurial development of farmers/youths	12	108	73	181	1	68	69	26	49	75	135	190	325	
WTO and IPR issues	1	0	2	2	6	0	6	18	0	18	24	2	26	
Others, if any	3	66	5	71	11	3	14	8	1	9	85	9	94	
TOTAL	25	352	104	456	45	92	137	78	60	138	475	256	731	
XI Agro-forestry														
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
XII. Others (Pl. Specify)														
TOTAL	142	187	6722	259	33	32	660	461	27	73	267	132	399	
		6		8	8	2			8	9	5	2	7	

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Mushroom Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	3	52	4	56	5	3	8	10	12	22	67	19	86	
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0	
Planting material production	1	20	2	22	0	0	0	3	1	4	23	3	26	
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sericulture	1	10	0	10	4	0	4	11	0	11	25	0	25	
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0	
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0	
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0	
Training and pruning of orchards	1	17	0	17	0	0	0	2	0	2	19	0	19	
Value addition	3	46	4	50	9	2	11	3	0	3	58	6	64	
Production of quality animal products	1	0	19	19	0	3	3	0	0	0	0	22	22	
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0	
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0	
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0	
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0	
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0	
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0	
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0	
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0	
Others if any	19	221	97	318	54	27	81	67	31	98	342	155	497	
TOTAL	29	366	126	492	72	35	107	96	44	140	534	205	739	

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	3	20	14	216	12	0	12	0	0	0	214	14	228
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	21	0	21	5	0	5	4	0	4	30	0	30
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition													
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	2	45	0	45	7	0	7	0	0	0	52	0	52
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	1	0	22	22	0	8	8	0	0	0	0	30	30
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	11	41	32	451	54	16	70	12	0	12	485	48	533
TOTAL	18	68	68	755	78	24	102	16	0	16	781	92	873

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		
					M	F	T	M	F	T
AGRONOMY	PF	Agronomic management practices of jute	1	OFF	28	9	37	1	3	4
AGRONOMY	RY	Crop diversification in rice-wheat cropping system	1	off	26	0	26	9	0	9
Ext edu	RY	Entrepreneurship development through poultry	1	ON	28	0	28	15	0	15
Soil Science	RY	Methods of soil sampling and analysis	1	ON	26	0	26	15	0	15
Soil Science	PF	Fertilizer management in (Kharif crops) paddy	1	OFF	21	9	30	11	4	15
Soil Science	PF	Micro nutrient deficiency symptoms and its management in crops	1	OFF	24	12	36	12	6	18
Soil Science	PF	INM in (Kharif crop) paddy	1	OFF	16	0	16	8	0	8
Soil Science	PF	Fertilizer management in (kharif crops) paddy	1	OFF	22	8	30	7	6	13
Horticulture	PF	Scientific cultivation of Brinjal	1	OFF	24	1	25	1	0	1
Horticulture	PF	Cultivation of Sabour Agrim Cauliflower	1	OFF	24	0	24	7	0	7
Horticulture	RY	Pruning and training of fruited plants	1	ON	19	0	19	2	0	2
Horticulture	PF	Scientific cultivation of kharif onion	1	OFF	25	0	25	2	0	2
Horticulture	PF	Scientific cultivation of summer Brinjal	1	Off	24	2	26	3	0	3
Horticulture	PF	Scientific cultivation of vegetable	1	OFF	27	0	27	1	0	1
AGRONOMY	PF	Management of rice- wheat / maize cropping system	1	OFF	28	2	30	5	1	6
AGRONOMY	PF	Diversification of rice wheat cropping system	1	OFF	19	8	27	3	5	8
AGRONOMY	PF	Nursery management of paddy	1	OFF	18	12	30	4	5	9
AGRONOMY	EF	Diversification of rice wheat cropping system	1	OFF	38	0	38	7	0	7
Ext edu	PF	Establishment and strengthening of farmers cubs	1	OFF	31	0	31	5	0	5
Ext edu	PF	Formation and management of SHGs/ jigs	1	OFF	32	0	32	21	0	21
Ext edu	PF	Leadership development for technology dissemination	1	OFF	29	7	36	4	7	11
Ext edu	PF	Marketing management for paddy	1	OFF	31	3	34	7	3	10
Ext edu	EF	Productivity enhancement of kharif crop	1	OFF	50	0	50	12	0	12
Ext edu	RY	Methods of soil sampling and analysis	1	ON	26	0	26	15	0	15
Ext edu	PF	Income generation activities of SHGs members	1	OFF	34	0	34	21	0	21

Ext edu	RY	Entrepreneurship development through poultry	1	ON	0	25	25	0	9	9
AGRONOMY	PF	Rice- wheat cropping system	1	OFF	17	4	21	3	4	7
AGRONOMY	PF	Integrated farming system for sustainable agriculture	1	On	25	0	25	6	0	6
AGRONOMY	RY	Seed production of paddy	1	ON	20	8	28	6	7	13
Home Science	PF	Source of food disease from its deficiency and precaution	1	OFF	3	22	25	0	5	5
Home Science	PF	Entrepreneurship development and women empowerment	1	OFF	19	7	26	3	4	7
Home Science	Pf	Preparation of vermi compost	1	OFF	31	1	32	2	1	3
Home Science	PF	Safety storage of food grains in store and godens	1	oFF	26	0	26	2	0	2
Home Science	Pf	Introduction and uses of farms implements and its importance	1	OFF	21	9	30	5	5	10
Home Science	PF	Formation of nutritional gardens its importance	1	OFF	40	5	45	5	2	7
Home Science	PF	Preparation of jam and jelly pickle from mango	1	OFF	0	25	25	0	3	3
Home Science	PF	Introduction and uses of women friendly drudgery equipments	1	OFF	0	26	26	0	9	9
Home Science	RY	Preparation of potato chips abadi and papad	1	ON	0	22	22	0	3	3
Soil Science	PF	Fertilizer management in (kharif crops) paddy	1	OFF	42	0	42	26	0	26
Soil Science	PF	Nutrient management in jute	1	OFF	19	9	28	19	9	28
Soil Science	RY	Organic manure production technique	1	On	25	5	30	0	4	4
Soil Science	RY	Vermi compost production and marketing	1	ON	25	0	25	15	0	15
Horticulture	PF	Scientific cultivation of guaturebiteace family	1	OFF	25	0	25	2	0	2
Horticulture	PF	Scientific cultivation of medicinal & aromatic plants	1	OFF	26	0	26	3	0	3
Horticulture	PF	Organic cultivation of vegetable	1	OFF	19	7	26	7	0	7
Home Science	PF	Preparation of sweet sour mango pickle	1	OFF	0	25	25	0	4	4
Home Science	PF	Food security by the formation of nutritional security	1	OFF	0	25	25	0	3	3
Home Science	PF	Child care preparation of nutritional recipe	1	OFF	0	25	25	0	6	6
Home Science	PF	Preparation of energy efficient diet	1	OFF	0	20	20	0	4	4
Home Science	RY	Location specific drudgery reduction technology	1	ON	1	19	20	1	3	4
Horticulture	PF	Production technique of vermi compost & uses	1	OFF	38	0	38	0	0	0
Horticulture	PF	Scientific cultivation of sponge gourd	1	OFF	24	0	24	3	0	3
Horticulture	RY	Technique of cutting and grafting	1	On	18	4	22	2	0	2

Ext edu	PF	Entrepreneurship development through fisheries	1	ON	23	2	25	4	0	4
Ext edu	RY	sms and digital transaction for farmers	1	OFF	42	0	42	0	0	0
AGRONOMY	PF	Cultivation of direct seeded rice	1	OFF	15	9	24	15	9	24
AGRONOMY	PF	Weed management in paddy	1	OFF	31	0	31	5	0	5
Soil Science	PF	Fertilizer management in (kharif crops) paddy	1	OFF	21	4	25	16	2	18
Soil Science	PF	Micro nutrient deficiency symptoms and its management in crops	1	OFF	25	0	25	22	0	22
Home Science	PF	Preparation of energy efficient diet	1	OFF	0	26	26	0	16	16
Home Science	PF	Preparation of guava jelly	1	OFF	0	27	27	0	4	4
Home Science	PF	House hold security of by kitchen gardening	1	OFF	0	30	30	0	11	11
Home Science	PF	Introducing of farm implementation and modern smokes less chulha	1	OFF	0	25	25	0	7	7
Home Science	RY	Mushroom production technique	1	ON	11	9	20	3	2	5
Soil Science	PF	Micro nutrient deficiency symptoms and its management in crops	1	OFF	25	0	25	7	0	7
Soil Science	PF	Fertilizer management in paddy	1	ON	25	0	25	20	0	20
Ext edu	PF	Entrepreneurship development through Goatry	1	OFF	8	19	27	4	4	8
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	0	25	25	0	0	0
Horticulture	PF	Production and management of medicinal plants	1	OFF	26	0	26	2	0	2
Horticulture	PF	Production and management of medicinal plants	1	OFF	10	9	19	9	0	9
Home Science	PF	Preparation of guava jelly	1	OFF	0	25	25	0	11	11
Home Science	PF	Care of children	1	OFF	0	26	26	0	7	7
Home Science	PF	Production of decorative items form locally available materials	1	OFF	0	25	25	0	4	4
Home Science	PF	Mushroom production technique	1	OFF	0	27	27	0	4	4
Home Science	RY	Food security and nutritional garden	1	ON	0	22	22	0	8	8
Horticulture	PF	Scientist cultivation of beans	1	OFF	29	0	29	2	0	2
Horticulture	PF	Scientist cultivation of potato	1	OFF	22	0	22	0	0	0
AGRONOMY	RY	Agronomic management practices of maize	1	OFF	11	15	26	3	10	13
AGRONOMY	RY	Agronomic management practices of jute	1	ON	23	3	26	3	1	4
AGRONOMY	PF	Water management in paddy	1	OFF	23	5	28	13	5	18

AGRONOMY	PF	Cultivation of fodder crops	1	OFF	27	0	27	14	0	14
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	30	0	30	8	0	8
Ext edu	PF	Management of crops after flood	1	OFF	29	0	29	6	0	6
Ext edu	PF	Income generation activities in a group	1	OFF	30	0	30	2	0	2
Ext edu	PF	Entrepreneurship development through poultry	1	ON	0	30	30	0	27	27
Soil Science	PF	Increase nutrient use efficiency through soil management	1	OFF	20	4	24	4	2	6
Soil Science	PF	Integrated nutrient management in paddy	1	OFF	28	9	37	8	7	15
Ext edu	PF	Awareness and use of market intelligence	1	OFF	24	2	26	24	0	24
Ext edu	PF	Leadership development for technology dissemination	1	OFF	22	13	35	0	4	4
Ext edu	PF	Production enhancement of field crops	1	OFF	25	6	31	6	1	7
Ext edu	PF	Formation and management of shgs/ jigs	1	OFF	22	6	28	0	6	6
Ext edu	PF	Entrepreneurship development thorough poultry	1	OFF	24	6	30	5	0	5
Ext edu	EF	Scientific cultivation of rabi pulses	1	OFF	31	20	51	9	8	17
Home Science	PF	Preparation of weaning food for better child growth	1	OFF	0	25	25	0	4	4
Home Science	PF	Importance of nutritional kitchen garden and management	1	OFF	15	5	20	2	1	3
Home Science	PF	Scientific cultivation of rabi maize and wheat	1	OFF	44	0	44	8	0	8
Home Science	PF	Scientific cultivation of rabi crops	1	OFF	17	13	30	6	3	9
Horticulture	PF	Cultivation of cauliflower	1	OFF	7	19	26	7	19	26
Soil Science	PF	INM in maize	1	OFF	18	4	22	3	2	5
Soil Science	PF	Soil health management	1	OFF	17	8	25	15	6	21
Soil Science	PF	Nutrient management in rabi crop	1	OFF	24	10	34	10	6	16
Soil Science	PF	Nutrient management in rabi maize	1	OFF	23	15	38	8	10	18
Soil Science	PF	Nutrient Management in rabi maize	1	OFF	24	8	32	6	6	12
Soil Science	EF	Nutrient management in rabi crop	1	OFF	30	0	30	9	0	9
AGRONOMY	PF	Seed production of wheat	1	OFF	26	0	26	14	0	14
AGRONOMY	PF	Weed management in rabi crops	1	OFF	24	0	24	5	0	5
AGRONOMY	PF	Scientific cultivation of rabi pulses	1	OFF	39	0	39	15	0	15
AGRONOMY	EF	Scientific cultivation of rabi fodders	1	OFF	31	20	51	9	8	17
Ext edu	EF	Formation and management of SHGS	1	OFF	25	0	25	4	0	4
Ext edu	EF	Formation and management of SHGs	1	OFF	27	0	27	3	0	3
Ext edu	EF	Leadership development for	1	OFF	25	0	25	0	0	0

		technology dissemination								
AGRONOMY	PF	Scientific cultivation of mustard	1	OFF	40	2	42	0	0	0
AGRONOMY	PF	Scientific cultivation of lentil	1	OFF	38	6	44	1	0	1
Horticulture	PF	Cultivation of cabbage	1	OFF	24	0	24	10	0	10
Horticulture	PF	Cultivation of tomato	1	OFF	27	0	27	12	0	12
Horticulture	RY	Cultivation of cabbage	1	OFF	24	0	24	10	0	10
Horticulture	RY	Cultivation of tomato	1	OFF	27	0	27	12	0	12
Home Science	PF	Mushroom cultivation	1	OFF	9	9	18	0	0	0
Home Science	PF	Basal level orientation training programme	1	OFF	30	13	43	4	0	4
Home Science	RY	Mushroom production technique	1	ON	7	23	30	0	14	14
Soil Science	PF	INM in maize	1	OFF	0	20	20	0	5	5
Soil Science	PF	Nutrient management in rabi crop	1	OFF	28	2	30	16	0	16
Soil Science	PF	Composting through waste material after mushroom cultivation	1	OFF	0	30	30	0	6	6
Soil Science	PF	Integrated nutrient management in wheat	1	OFF	18	7	25	4	1	5
Soil Science	PF	Importance of vermi compost for rabi crop	1	OFF	22	3	25	10	1	11
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	22	8	30	6	4	10
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	14	11	25	0	5	5
Ext edu	EF	Crop management in diara area	1	OFF	57	2	59	10	0	10
Ext edu	EF	Fertilizer application per I.C.C.C.	1	OFF	58	2	60	8	0	8
AGRONOMY	PF	Scientific cultivation of mustard	1	OFF	8	39	47	8	36	44
AGRONOMY	EF	Crop management in diara area	1	OFF	57	2	59	10	0	10
AGRONOMY	EF	Fertilizer application per I.C.C.C.	1	OFF	58	2	60	8	0	8
Horticulture	PF	Scientific cultivation of colo's crops	1	OFF	28	0	28	7	0	7
Soil Science	PF	Nutrient management in rabi crop	1	OFF	28	0	28	15	0	15
Soil Science	PF	Nutrient management in rabi crop	1	OFF	26	4	30	11	2	13
Soil Science	PF	Nutrient management in rabi crop	1	OFF	26	4	30	10	3	13
Soil Science	PF	Soil and crop management	1	OFF	17	9	26	9	7	16
Soil Science	PF	To develop knowledge and understanding of organic farming	1	OFF	11	9	20	7	6	13
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	0	27	27	0	25	25
Ext edu	PF	Entrepreneurship development through poultry	1	OFF	0	25	25	0	15	15
Ext edu	PF	Entrepreneurship development through poultry	1	ON	0	30	30	0	30	30
Home Science	PF	Care of children	1	OFF	0	25	25	0	15	15
Home Science	PF	Mashroom production technique	1	OFF	13	12	25	4	2	6

Home Science	RY	Mushroom ki kheti	1	ON	12	3	15	7	0	7
AGRONOMY	PF	Scientific cultivation of fodder	1	OFF	12	14	26	8	8	16
AGRONOMY	PF	Scientific cultivation of rabi pulses	1	OFF	14	11	25	8	7	15
AGRONOMY	PF	Agronomic management practices of boro paddy	1	OFF	41	18	59	38	18	56
Horticulture	PF	Scientific cultivation of brocceli	1	OFF	27	0	27	6	0	6
Horticulture	PF	Scientific cultivation of onion	1	OFF	29	0	29	9	0	9
Horticulture	RY	Technique of training and pruning	1	OFF	19	2	21	5	2	7
AGRONOMY	RY	Seed production of wheat	1	OFF	23	7	30	6	4	10
Home Science	PF	Preparation of tomato sauce	1	OFF	0	30	30	0	9	9
Home Science	PF	Mushroom production technique	1	OFF	12	14	26	4	5	9
Home Science	PF	Nurtrient of food and its source	1	OFF	17	10	27	4	3	7
Horticulture	PF	Scientific cultivation of cabbage	1	OFF	25	0	25	3	0	3
Horticulture	PF	Secientific cultivation of readdish	1	OFF	24	0	24	6	0	6
Horticulture	RY	Layout of orchards	1	OFF	21	0	21	5	0	5
Agronomy	PF	Weed management in boro paddy	1	OFF	21	4	25	10	4	14
AGRONOMY	PF	Agronomic management practices of mustard and storage of produce	1	ON	0	41	41	0	33	33
AGRONOMY	RY	Wheat seed production	1	OFF	24	4	28	3	4	7
AGRONOMY	EF	Exposure visit cum training on integrated farming system	1	OFF	50	0	50	5	0	5
Ext edu	PF	Establishment and strengthening of farmers cubs	1	Off	11	21	32	0	6	6
Ext edu	PF	Entrepreneurship development through beekeeping	1	ON	14	7	21	0	7	7
Ext edu	EF	Productivity enhancement of rabi crop	1	OFF	24	6	30	0	0	0
Ext edu	EF	Productivity enhancement of through improved implements	1	OFF	140	8	148	0	0	0
Soil Science	PF	To develop knowledge and understanding of organic farming	1	OFF	21	3	24	9	1	10
Soil Science	PF	Soil health management in crop	1	OFF	21	3	24	5	2	7
Soil Science	PF	To develop knowledge and understanding of organic farming	1	OFF	19	6	25	5	4	9
Soil Science	PF	Bio-fertilizer production marketing	1	Off	19	6	25	9	2	11
Soil Science	PF	To develop knowledge and understanding of organic farming	1	OFF	14	4	18	10	4	14
Soil Science	RY	Organic manure production technique	1	OFF	25	0	25	7	0	7
Soil Science	EF	Bio fertilizer training cum exposure visit	1	OFF	50	0	50	0	0	0
Home Science	PF	Mushroom production technique	1	OFF	20	5	25	3	2	5
Home	PF	Preparation of potato chips and	1	OFF	0	25	25	0	8	8

Science		badi								
Home Science	PF	Care of children	1	OFF	0	25	25	0	13	13
Home Science	EF	Preparation of weaning food fry better child and mother growth	1	OFF	0	30	30	0	8	8
Home Science	RY	Makhana producer jarukta programme	1	ON	13	34	47	3	8	11
Ext edu	PF	Formation and management of SHGs/ jigs	1	OFF	20	8	28	0	8	8
Ext edu	RY	Entrepreneurship development through poultry	1	OFF	7	14	21	0	14	14
Ext edu	ef	Leadership development for technology dissemination	1	Off	30	0	30	0	0	0
Soil Science	PF	INM	1	Off	25	0	25	0	0	0
Soil Science	PF	INM	1	Off	25	0	25	0	0	0
Soil Science	PF	INM	1	Off	25	0	25	0	0	0
Agronomy	PF	Weed management in boro paddy	1	OFF	34	0	34	9	0	9
Agronomy	PF	Development of ifs	1	Off	26	0	26	6	0	6
Agronomy	RY	ifs	1	OFF	30	0	30	7	0	7
Horticulture	PF	Management and care of mango orchids	1	OFF	28	0	28	6	0	6
Horticulture	PF	Farmers were deleted for oft	1	OFF	28	0	28	3	0	3
Horticulture	PF	Scientist techniques about layout of orchards	1	OFF	8	10	18	2	1	3
Soil Science	RY	Organic Mannure Production Technique	01	ON	22	00	30	8	0	8

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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Agronomy	CROP DIVERSIFICATION	CROP DIVERSIFICATION IN RICE-WHEAT CROPPING SYSTEM	4	26	0	26	-	-	-	-
Ext edu	ENTERPRENEURSHIP DEVELOPMENT	ENTERPRENEURSHIP DEVELOPMENT THROUGH POULTRY	4	28	0	28	-	-	-	-
Soil science	Soil and water testing	Methods of Soil Sampling and analysis	3	26	0	26	-	-	-	-
Horticulture	Care and Maintenance of Fruited Plants	Pruning and Training of fruited Plants	4	19	0	19	-	-	-	-
Ext edu	Soil and water testing	Methods of Soil Sampling and analysis	3	26	0	26	-	-	-	-
Ext edu	ENTERPRENEURSHIP DEVELOPMENT	ENTERPRENEURSHIP DEVELOPMENT THROUGH POULTRY	4	0	25	25	-	-	-	-
Home science	Value addition	Preparation of Potato chips abadi and Papad	4	0	22	22	-	-	-	-
Soil science	Organic Farmi	Organic Manure Production	3	25	5	30	-	-	-	-

	ng	Technique								
Soil science	Vermi compost Production	Vermi compost Production and marketing	4	25	0	25	-	-	-	-
Home science	Drudgery reduction	Location Specific drudgery Reduction Technology	3	1	19	20	-	-	-	-
Horticulture	Cutting and Grafting	Technique of cutting and Grafting	1	18	4	22	-	-	-	-
Ext edu	ICT in Agriculture	m-Sms and Digital Transaction for farmers	1	42	0	42	-	-	-	-
Home science	Entrepreneurship Development	Mushroom Production Technique	3	11	9	20	-	-	-	-
Home science	Entrepreneurship Development	food security and Nutritional Garden	2	0	22	22	-	-	-	-
Agronomy	ICM	Agronomic management practices of Maize	4	11	15	26	-	-	-	-
Agronomy	ICM	Agronomic management practices of Jute	3	23	3	26	-	-	-	-
Horticulture	Production Technology of Crops	Cultivation of Cabbage	1	24	0	24	-	-	-	-
Horticulture	Production Technology of Crops	Cultivation of Tomato	1	27	0	27	-	-	-	-

Home science	Entrepreneurship Development	Mushroom Production Technique	2	7	23	30	-	-	-	-
Home science	Entrepreneurship Development	Mushroom Ki Kheti	1	12	3	15	-	-	-	-
Horticulture	Management of orchard	Technique of training and Pruning	1	19	2	21	-	-	-	-
Agronomy	Seed Production	Seed Production of Wheat	4	23	7	30	-	-	-	-
Horticulture	Management of orchard	Layout of Orchards	1	21	0	21	-	-	-	-
Agronomy	Seed Production	Wheat Seed Production	4	24	4	28	-	-	-	-
Soil science	Organic Farming	Organic Manure Production Technique	3	25	0	25	-	-	-	-
Home science	Entrepreneurship Development	Makhana producer Jarukta programme	2	13	34	47	-	-	-	-
Ext edu	Entrepreneurship Development	Entrepreneurship Development through poultry	2	7	14	21	-	-	-	-
Agronomy	IFS	IFS	4	30	0	30	-	-	-	-
Agronomy	Seed Production	Seed Production of Paddy	6	20	8	28	-	-	-	-

*training title should specify the major technology /skill transferred

D) Sponsored Training Programmes

S l. No	Title	Thema tic area	Mon th	Dura tion (days)	Clie nt PF /R Y/ EF	No. of cours es	No. of Participants										Spon sorin g Agen cy
							Male			Female			Total				
							Other s	SC	S T	Othe rs	S C	S T	Other s	S C	S T	Tot al	
1.	`Scientific Cultivation of Rabi season vegetable	Vegeta ble Produc tion	Oct 2017	01	PF	01	300	-	-	-	-	-	300	-	-	300	AT MA, Kati har
2.	`Scientific Cultivation of Rabi season vegetable	Vegeta ble Produc tion	Oct 2017	01	PF	01	200	-	-	-	-	-	200	-	-	200	AT MA, Kati har
3.	`Scientific Cultivation of Rabi season vegetable	Vegeta ble Produc tion	Oct 2017	01	PF	01	200	-	-	-	-	-	200	-	-	200	AT MA, Kati har
4	`Scientific Cultivation of Rabi season vegetable	Vegeta ble Produc tion	Oct 2017	01	PF	01	150	-	-	-	-	-	150	-	-	150	AT MA, Kati har
5	Entrepreneurship Development through Dairy	Entrep reneurs hip Develo pment	Sept 2017	01	PF	01	12	9	3	-	6	7	12	15	10	37	NAB ARD , Kati har
6	Women Empowerment about horticultural crops		Mar ch 2017	01	PF	01	100	50	03	200	05	0	300	55	3	358	DAO , Kati har
7	Farmer-Scientist Meet Programme		Mar ch 2018	01	PF	01	6	-	-	16	03	-	22	03	00	25	NAB ARD , Kati har
8	Jute Production Technique		Mar ch 2018	01	EF	01	30	-	-	-	-	-	30	-	-	30	Jute Offic e of Kati har distri ct
9	Problem and Solution of coconut in Bihar		Mar ch 2018	01	PF	01	31	-	-	-	-	-	31	-	-	31	Horti cultu re Dept t. of BAU
10	Organic farming training Programme		Feb 2018	01	PF	01	16	06	05	-	-	-	16	06	05	27	AT MA, Kati har

11	Scientific Cultivation of Cole's Crops		Dec 2017	01	PF	01	250	-	-	-	-	-	250	-	-	250	AT MA, Kati har
12	Scientific Cultivation of Cole's Crops		Dec 2017	01	PF	01	270	-	-	-	-	-	270	-	-	270	AT MA, Kati har
13	Scientific Cultivation of Cole's Crops		Dec 2017	01	PF	01	247	-	-	-	-	-	247	-	-	247	AT MA, Kati har
14	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	49	-	-	-	-	-	49	-	-	49	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	64	-	-	-	-	-	64	-	-	64	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	95	-	-	-	-	-	95	-	-	95	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	45	-	-	-	-	-	45	-	-	45	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	150	-	-	-	-	-	150	-	-	150	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	135	-	-	-	-	-	135	-	-	135	AT MA, Kati har
	Scientific Cultivation of Rabi season vegetable	Vegetable Production	May 2017	01	PF	01	102	-	-	-	-	-	102	-	-	102	AT MA, Kati har

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	11	306	72	378	24.22	10	1	11	316	73	389
KisanMela	5	823	330	1153	38.32	35	5	40	858	335	1193
KisanChaupal	32	672	249	921	36.05	12	0	12	316	73	389
Exhibition	2	600	300	900	37.5	17	3	20	617	303	920
Film Show	5	185	56	241	10.00	8	0	8	193	56	249
Method Demonstrations		0	0		0	0		0	0	0	0
Farmers Seminar	1	54	4	58	8.62	2	0	2	56	4	60
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	8	150	110	260	17.04	0	0	0	150	110	260
Lectures delivered as resource persons	80	80	0	80	0	36	8	44	116	8	124
Advisory Services		0	0		0	0	0	0	0	0	0
Scientific visit to farmers field	347	124	787	911	8.34	0	0	0	124	787	911
Farmers visit to KVK	2617	369	8	2617	8.29	0	0	0	369	8	2617
Diagnostic visits		0	0		0	0	0	0	0	0	0
Exposure visits	4	75	125	200	11	0	0	0	75	125	200
Ex-trainees Sammelan	4	70	16	86	30.27	2	0	2	72	16	88
Soil health Camp	2	55	12	57	27.91	2	0	2	57	12	69
Animal Health Camp	1	30	0	30	0	1	0	1	31	0	31
Agri mobile clinic		0	0		0	0	0	0	0	0	0
Soil test campaigns	2	100	69	169	19.76	6	0	6	106	69	175
Farm Science Club Conveners meet		0	0		0	0	0	0	0	0	0
Self Help Group Conveners meetings	5	110	50	160	13.13	10	0	10	120	50	170
Mahila Mandals Conveners meetings	0		0	0	0	0	0	0	0	0	0
Celebration of important days (specify)			0		0	0	0	0	0	0	0
Sankalp Se Siddhi		0	0		0	0	0	0	0	0	0
Swatchta Hi Sewa	3	62	31	93	12.9	3	0	3	65	31	96
Mahila Kisan Divas	1	0	31	31	0	0	0	0	0	31	31
Block Level Rabi Programme	9	20	80	100	15.00	0	1	1	20	81	101
World Environment Day	1	5	37	42	11.9	1	5	6	6	42	48
World Yoga Day	1	30	0	30	0	0	0	0	30	0	30
BLOT Programme	2	65	0	65	30.77	8	2	10	73	2	75
World Earth Day	1	15	21	36	100.00	0	0	0	15	21	36
Rabi Mahotsav	16	1100	545	1645	18.52	48	12	60	1148	557	1702
Women Empowerment Programme	1	200	300	500	16.00	0	1	1	200	301	501
Doubling of farmer income	1	115	147	262	5.00	10	0	10	125	147	272
World Soil Day	1	50	150	200	0	0	0	0	50	150	200
SAC meeting	1	28	4	32	6.25	0	0	0	28	4	32
Celebration of 15 August	1	10	40	50	0	0	0	0	10	40	50

Participating in ZREC Meeting	1	5	0	5	0	10	0	10	15	0	15
Teaching the Field visitor RAWE Student	1	17	0	17	0	0	0	0	17	0	17
Any Other (Specify)			0		0			0	0	0	0
Total	3167	5525	581	1132	21.11	22	38	259	537	567	1105
			4	9		1			8	6	1

Kisan Choupal Details year 2017-18:

S.No.	Date	Name of Village/block	No. of Question	No of Participants						Total
				SC		ST		Others		
				M	F	M	F	M	F	
1.	15.04.2017	Rautara, Kohra	08	02	00	03	00	13	0	18
2.	22.04.2017	Nima, Manihari	07	00	00	16	14	00	00	30
3.	06.05.2017	Basantpur, amadabad	12	01	00	00	00	33	00	34
4.	13.05.2017	Bhermara, Mansahi	18	00	00	08	08	10	05	31
5.	20.05.2017	Guvagachi, amadabad	12	00	00	01	25	00	00	26
6.	27.05.2017	Rautey, Kadwa	15	00	00	03	00	27	01	31
7.	03.06.2017	Baluya ghati, Amadabad	17	00	00	00	00	30	04	34
8.	10.06.2017	Chilmar, Katihar	12	00	00	00	00	25	00	25
9.	17.06.2017	Vibha, Amadabad	20	00	00	17	09	00	00	26
10.	24.06.2017	Musapur Mansahi	12	00	00	00	00	18	00	18
11.	01.07.2017	Udama Rekha, Katihar	15	02	00	00	00	28	00	30
12.	08.07.2017	Sikkat, Barari	14	00	00	00	00	28	00	28
13.	15.07.2017	Medaul, kadwa	12	04	00	00	00	19	00	23
14.	29.07.2017	Bhermara, Mansahi	11	02	00	10	00	09	00	21
15.	12.08.2017	Kumhari, Kadwa	18	00	00	08	00	22	00	30
16.	19.08.2017	Kheriya, kohra	15	02	02	01	02	13	10	30
17.	26.08.2017	Lahsa, Mansahi	18	03	02	02	00	09	14	30
18.	16.09.2017	Tingachhiya, Katihar	16	00	14	00	00	02	11	27
19.	23.09.2017	Sirsa, Katihar	12	00	18	00	00	01	15	34
20.	07.10.2017	Mohanpur, Manihari	10	01	00	02	00	31	00	34
21.	14.10.2017	BheriyaRahika, katihar	17	00	00	02	00	15	18	35
22.	04.11.2017	Dhuriyahi, Ambadab	28	00	00	00	00	34	00	34
23.	11.11.2017	Mahuyar, Manihari	08	03	00	00	00	21	00	24
24.	09.12.2017	Vishunpur, Manihari	20	00	00	34	00	00	00	34
25.	16.12.2017	Bhujantal, Manihari	18	00	00	11	00	13	00	24
26.	13.01.2018	Maniya, Katihar	10	00	00	06	16	08	00	30
27.	20.01.2018	Gandhi gram Barari	12	01	00	00	00	29	00	30
28.	03.02.2018	Pipra Sathali Tola, Pranpur	08	00	00	20	04	00	00	24
29.	10.02.2018	Kohra, Kohra	20	00	00	00	00	35	00	35
30.	17.02.2018	Nimaul, Ajamnagar	13	00	00	00	00	16	14	30
31.	10.03.2018	Lahsa, Mansahi	09	01	00	09	10	08	00	28
32.	31.03.2018	Nima, Manihari	17	00	00	00	33	00	00	33

TOTAL	454	22	36	153	121	497	92	921
--------------	------------	-----------	-----------	------------	------------	------------	-----------	------------

Outcome of Kisan Choupal of KVK, Katihar: The Kisan Chaupal Programme was grand success with the participation of 921 farmers and 36 Extension Functionaries across the 32 villages of Katihar district. "Technical bulletins & Krishak Samachar were distributed during the programme. The collected soil samples were analyzed at KVK laboratory and the soil health cards were provided to the concerned farmers.

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	79
Radio talks	6
TV talks	12
Popular articles	26
Extension Literature	10
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
Total					

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided
Wheat	DBW-14	23	64400.00	
Wheat	HD-2967	54	151200.00	
Paddy	Rajendra Mansuri-1	70	224000.00	
Paddy	Swarna Sub-1	23	73600.00	
Arhar	Bahar	4.3	37840.00	
Grand Total		174.3	551040.00	

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided
Vegetable seedlings				
Cauliflower				
Cabbage				
Tomato				
Brinjal				

Chilli				
Onion				
Others				
Fruits				
Mango				
Guava				
Lime				
Papaya				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted
	Kg		
Bio-fertilizers	2000	12000	29
Bio-pesticide			
Bio-fungicide			
Bio-agents			
Others, please specify.(Azolla)			130
Total			

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Small ruminants				
Sheep				
Goat				
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				

Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	
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 2017						
Rabi 2017-18						
Summer/Spring 2018						

iii) Financial Progress

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

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	Effect of Integrated Nutrient Management on Yield and Economics of Mustard (<i>Brassica juncea</i> L.). <i>Int. J. Curr. Microbiol. App. Sci.</i> , Special Issue-7:5261-5269.	Singh Rama Kant , Kumar Pankaj, Singh S.K., Singh S. B. and Singh R.N. (2018).		
	Impact of KVK Training Programme on Adoption of Organic Farming Practices. <i>Int. J. Curr. Microbiol. App. Sci.</i> , Special Issue-7:3491-3496	Kumar Pankaj, Singh Rama Kant , Singh S.K., Singh S. B. and Singh R.N. (2018)..		
	Effect of Integrated Nutrient Management Practices on Yield and Economics of Jute (<i>Corchorous olitorius</i>) and Residual Soil Status. <i>Research Journal of Agricultural Sciences</i> . 9(1): 40-45	Singh Rama Kant , Kumar Pankaj, Singh S.K., Singh S. B. and Singh R.N. (2018)		
	A Study of Knowledge and adoption of selected Health and Nutritional Practices of rural women in pranpur block of Katihar district of Bihar	Smt. Nadita Kumari, SMS,(H. Science)		
Seminar/conference/symposia papers	Effect of Integrated Nutrient Management on Yield and Economics of Mustard (<i>Brassica juncea</i> L.). National Conference on Livelihood and Food Security (LFS-2018) held at Bihar Veterinary College, Patna (Bihar) on January 27-28, 2018.	Singh Rama Kant , Kumar Pankaj, Singh S.K., Singh S. B. and Singh R.N. (2018).		
	Maize Yield and Soil Properties as Influenced by Crops Residues and Nitrogen Rates. International Conference on Agricultural, Allied Sciences & Biotechnology for Sustainability of Agriculture, Nutrition & Food Security (ICAASBSANFS) held at BHU, Varanasi on November 25-26, 2017	Singh Rama Kant, Kumar Pankaj, Shahi V.B., Singh S.K. and Singh Ajit (2017).		
	Effects of Crop Residues on Grain Production and Soil Properties. National	Singh Rama Kant, Singh Ajit, Kumar Pankaj, Singh S.K. and Singh S. B.		

Seminar held at Jan Nayak Chandra Shekhar University, Ballia on December 9-10	(2017).		
Impact of Front Line Demonstrations on Productivity in Katihar District of Bihar. National Seminar held at Jan Nayak Chandra Shekhar University, Ballia on December 9-10.	Singh Rama Kant, Singh Ajit, Kumar Pankaj, Singh S.K. and Singh S. B. (2017)		
Biochar: A Waste Management Technique for Farmer in Current Scenario. National Seminar held at Jan Nayak Chandra Shekhar University, Ballia on December 9-10.	Singh Rama Kant, Singh Ajit, Kumar Pankaj, Singh S.K. and Singh S. B. (2017).		
Effect of Real Time Nitrogen Management on performance of Rice (<i>Oryza sativa</i> L) . National Conference on Climate Change and Agricultural Production (Adapting Crops to Climate Variability and Uncertainty) held at Bihar Agricultural University, Sabour, Bhagalpur (Bihar) India on April 6-8, 2017.	Singh Rama Kant, Kumar Pankaj, Singh S.K., Singh S. B. and Sinha S.K. (2017)		
Effect of Integrated Nutrient Management on Soil Properties and Performance of Mustard (<i>Brassica juncea</i> L.). National Seminar on Doubling Farmers Income and Farm Production through Skill Development and Technology Development held at Bihar Agricultural University Sabour, Bhagalpur on November 28-30, 2017.	Singh Rama Kant , Kumar Pankaj, Singh S.K., Singh S. B. and Singh R.N. (2017).		
Impact of Seed Treatment and Improved Variety on Yield and Economics of Field Pea (<i>Pisum sativum</i>). National Seminar on Doubling Farmers Income and Farm Production through Skill Development and Technology Development held at Bihar Agricultural University Sabour, Bhagalpur on November 28-30, 2017.	Singh Sushil Kumar, Singh Rama Kant , Kumar Pankaj, and Singh R.N. (2017).		
Impact of KVK Training Programme on Knowledge and Adoption of INM in Maize. National Seminar on Doubling Farmers Income and Farm Production through Skill Development and Technology Development held at Bihar Agricultural University Sabour, Bhagalpur on November 28-30, 2017.	Kumar Pankaj, Singh Rama Kant , Singh Sushil Kumar and Singh R.N. (2017).		

	Effect of Azolla to Reduce Chemical NPK Consumption during Rice Cultivation. International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017) held at MPUAT, Udaipur, Rajasthan on December 02-04 2017	Singh Rama Kant, Kumar Pankaj, Singh S.K., Singh S. B. and Singh R.N. (2018)		
	Impact of different sowing dates on performance of Maize under changing climate scenario. National Conference on Climate Change and Agricultural Production at Bihar Agricultural University Sabour, Bhagalpur (Bihar) on April 06-08.	Singh S.K., Singh Rama Kant, Kumar Pankaj, Kushwaha S., Singh S.B. and Sinha S.K. (2017).		
	Mitigation of Climate Change Impact on Maize Production through Training Programme. National Conference on Climate Change and Agricultural Production at Bihar Agricultural University Sabour, Bhagalpur (Bihar) on April 06-08.	Kumar Pankaj, Singh Rama Kant, Singh S.K., Singh S.B. and Sinha S.K. (2017).		
	Effect of Real Time Nitrogen Manegment on Performance of Rice (<i>Oryza sativa</i> L.). National Conference on Climate Change and Agricultural Production at Bihar Agricultural University Sabour, Bhagalpur (Bihar) on April 06-08.	Singh Rama Kant, Kumar Pankaj, Singh S.K., Singh S.B. and Sinha S.K. (2017).		
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Krishak Samachar Vol-1	Krishi Vigyan Kendra, Katihar	2000	2000
	Krishak Samachar Vol-2	Krishi Vigyan Kendra, Katihar	1500	1500
	Krishak Samachar Vol-3	Krishi Vigyan Kendra, Katihar	1500	1500
	Krishak Samachar Vol-4	Krishi Vigyan Kendra, Katihar	1500	1500
	Mitti janch aadharit samniwat poshak tatw prawandhan	Dr. R.N. Singh, Pankaj Kumar, Dr. ,Rama Kant Singh, Dr. Sushil Kumar Singh	3000	3000
	Makhana ki Unnat kheti	Smt. Nadita Kumari, SMS,(H. Science)	1000	

	Mashroom ki kheti: aay ka strot	Smt. Nadita Kumari, SMS,(H. Science)	1000	
	maa ka dudh shishu ke liye sarwottam aahar	Smt. Nadita Kumari, SMS,(H. Science)	1000	
	Achari ke anokhe swad	Smt. Nadita Kumari, SMS,(H. Science)	1000	
	kwaliti makka ke utjpadan manab ke liye	Smt. Nadita Kumari, SMS,(H. Science)	1000	
Technical reports	Contingency crop Planning	Dr. R.N. Singh, Pankaj Kumar, Dr. Rama Kant Singh, Dr. Sushil Kumar Singh		
Electronic Publication (CD/DVD etc)				
TOTAL			14500	9500

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.	Effect of Real time Nitrogen Management of rice	National Conference on Climatic Change & Agricultural Production	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. S.B. Singh, PC, KVK, Jalalgarh, Dr. S.K. Sinha, PC, KVK, Katihar	06-08.04.2017/03	BAU, Sabour
2.	Adaption crops to climatic variability & Uncertainty	National Conference on Climatic Change & Agricultural Production	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. S.B. Singh, PC, KVK, Jalalgarh, Dr. S.K. Sinha, PC, KVK, Katihar	06-08.04.2017/03	BAU, Sabour
3.	Impact of Different Sowing date on performance of Maize Under changing climatic scenario	National Conference on Climatic Change & Agricultural Production	Dr. Sushil Kumar Singh, SMS(Agro),	06-08.04.2017/03	BAU, Sabour
4.	Soil Testing & Handling of equipment in the	Soil Testing & Handling of equipment in the	Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	06-10.04.2017/05	DEE, BAU, Sabour

	Laboratory	Laboratory			
5.	Annual Zonal Workshop	Annual Zonal Workshop	Sri Pankaj Kumar, SMS(Ext.Edu),	14-16.04.2017/03	ATARI, Kolkata
6.	Doman Skill GTP, SDC application	Bihar Skill development Mission	Sri Pankaj Kumar, SMS(Ext.Edu),	11.04.2017/01	BSDM, Patna
7.	Packaging of Mango & Litchi		Sri K.P. Singh, SMS, (Hort.)	12.04.2017/01	BAU, Sabour
5	Compilation & Preparation of Annual Report F.Y. -2016-17		Sri Amarendra Kumar Vikas, Programme Assistant, (Computer)	03-07.05.2017/05	BAU, Sabour
6	BSDM Portal of registration with TOT Programme		Sri K.P. Singh, SMS, (Hort.)	21.05.2017/01	BSDM, Patna
7	Nutrient & Pollutants in soil plant-animal-human continuum for sustaining Soil -food & Nutritional Security		Dr. Rama Kant Singh, SMS, (Soil Science),	09-10.06.2017/02	BCKV Kalyani
8	Problem in BSDM registration		Sri K.P. Singh, SMS, (Hort.)	08.06.2017/01	BSDM, Patna
9	BSDM Portal of registration with TOT Programme		Sri K.P. Singh, SMS, (Hort.)	01.07.2017/01	BSDM, Patna
10	BSDM Portal of registration with TOT Programme		Sri K.P. Singh, SMS, (Hort.)	01.08.2017/01	BSDM, Patna
11	Women Empowerment : Challenges & strategies		Smt Nandita Kumari, SMS (Home Science)	05-06.08.2017/02	
12	Soil Testing Kit and regents Kit		Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	21-23.11.2017/03	DEE, BAU, Sabour
13	GRISAAS-17		Dr. Rama Kant Singh, SMS, (Soil Science)	02-04.12.2017/02	MPUAL T, Udipur
14	ToT training	Mushroom Grower	Smt Nandita Kumari, SMS (Home Science), Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	22-31.12.2017/10	ASCI, New Delhi
15	ToT training	Vermi compost Producer	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu)	22-31.12.2017/10	ASCI, New Delhi
16	National Institute		Smt Nandita Kumari, SMS	10-	

	of Public Cooperation and Child development		(Home Science)	12.01.2017/03	
17	Impact of KVK Training Programme on adoption of organic farming practice	National conference an livehood and food Security	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. R.N. Singh PC, KVK, Katihar	24-26.02.2018/03	Bihar Ani9mal Science Universit y, Patna
18	Agricultural Technologies & extension Management		Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	23-27.02.2018/05	BAU, Sabour
19	Biennial National conference of KVKL, New Delhi		Sri Pankaj Kumar, SMS(Ext.Edu),	16-17.03.2018/02	ICAR-IARI, New Delhi

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

किसान का नाम	श्री ऋषि कांत सिंह
ग्राम	मुजबर टाल
प्रखंड	मनिहारी
जिला	कटिहार
शैक्षणिक योग्यता	इंटर
टेलीफोन नं.	९५७२४६७८०९
प्रक्षेत्र का क्षेत्रफल	१.० एकड
पोखड़ का क्षेत्रफल	०१
कृषि विज्ञान केन्द्र/ विश्वविद्यालय जिससे आप लाभान्वित हारे हैं	इन्होंने कृषि विज्ञान केन्द्र के वैज्ञानिकों से संपर्क कर खेती की नई विद्याओं को सीखा एवं वैज्ञानिक विधि से खेती प्रारम्भ किया। किसान क्लव की स्थापना कर अपने गांव के किसानों के बीच जागरूकता पैदा कर रहे है।
उद्यम	वैज्ञानिक विधि से खेती
उद्यम से लाभान्वित किसानों की संख्या	१००
पिछले २-३ वर्षों में औसतम बढ़त्तरी	७-९ प्रतिशत
वार्षिक आय विगत पाँच वर्षों में	१,००,०००
प्रशिक्षण प्राप्त	कृषि विज्ञान केन्द्र, कटिहार के द्वारा
सदस्य स्वयं सदस्यता समूह / संघ / संगठन /समिति(कम से कम एक साल के रूपमें सदस्यता)	हाँ

अपनी उपलब्धियों का संक्षिप्त विवरण	श्री ऋषि कांत सिंह अपनी परिवारिक परिस्थितियों के कारण मात्र प्रवेशिका तक की शिक्षा पूर्ण करने के बाद जब अपनी आजीविका के विशय में सोचना पुरु किया तब इस युवा को कई मार्ग मिले कुछ दूसरे उपायों जैसे किसी फैक्ट्री में काम करना भी इन्होंने पुरु किया। कुछ दिनों के पश्चात् इन्होंने महसूस किया कि दूसरे जगह काम करने से अच्छा है कि अपने छोटे से भू-भाग में अपने पिता का हाथ बंटाकर अगर खेती की जाय तो कोई बुराई नहीं। इन्होंने कृषि विज्ञान केन्द्र के वैज्ञानिकों से संपर्क कर खेती की नई विद्याओं को सीखा एवं वैज्ञानिक विधि से खेती प्रारम्भ किया। इन्होंने मषरूम उत्पादन का भी प्रशिक्षण लिया एवं मषरूम उत्पादन पुरु किया। आज श्री ऋषि कांत सिंह समाज के अन्य वर्गों के लिए प्रेरणास्रोत बन गए हैं। इन्होंने कई स्वयं सहायता समूहों के सदस्यों को मषरूम उत्पादन समूहों के सदस्यों को मषरूम उत्पादन का प्रशिक्षण दिया एवं उनकी सहायता की। इनके द्वारा दिए गए प्रशिक्षणों में महिलाओं को रोजगार हेतु मषरूम उत्पादन पर प्रशिक्षित करना प्रमुख है।
नवाचार	अपने समुह में मषरूम उत्पादन करवाना

किसान का नाम	श्री टूनटून मंडल
ग्राम	डूमरिया, विषनपुर,
प्रखंड	मनसाही
जिला	कटिहार
शैक्षणिक योग्यता	मैट्रिक
टेलीफोन नं०	९७०६६२१००८
प्रक्षेत्र का क्षेत्रफल	१.५ एकड़
मवेशीयों की संख्या	मूर्गीपालन-५०
पोखड़ का क्षेत्रफल	नहीं
कृषि विज्ञान केन्द्र/ विश्वविद्यालय जिससे आप लाभान्वित हो रहे हैं।	कृषि विज्ञान केन्द्र , कटिहार से समेकित कृषि प्रणाली का प्रशिक्षण प्राप्त किया है। गरीबों के उत्थान के लिए श्भावना किसान क्लब का गठन कर किसानों को उन्नत खेती का जानकारी प्रदान करते हैं।
उद्यम	क्लब की महिलाओं को जूट का प्रशिक्षण दिलाकर स्वाबलंबी, स्वरोजगारोन्मुखी बनाने का कार्य करते हैं। उद्यमिता विकास के लिए मुर्गीपालन, कम लागत में वर्मी कम्पोस्ट, बांसबेड बना कर वर्मी कम्पोस्ट का उत्पादन करते हैं।
उद्यम से लाभान्वित किसानों की संख्या	२००
पिछले २-३ वर्षों में औसतम बढ़तूरी	८-९ प्रतिशत
वार्षिक आय विगत पाँच वर्षों में	३५००००
प्रशिक्षण प्राप्त	कृषि विज्ञान केन्द्र , कटिहार द्वारा प्रशिक्षित
सदस्य स्वयं सदस्यता समूह / संघ / संगठन / समिति (कम से कम एक साल के रूपमें सदस्यता)	१०
अपनी उपलब्धियों का संक्षिप्त विवरण	टूनटून मंडल ग्राम डूमरिया विषनपुर मनसाही कटिहार के निवासी हैं इन्होंने विभिन्न संस्थाओं से प्रशिक्षण प्राप्त किया है। जिसमें प्रमुखतः बिरसा कृषि विष्वविद्यालय रौंची में बकरी पालन प्रशिक्षण, केन्द्रीय आलू रिसर्च सेन्टर से आलू, राजेन्द्र कृषि विष्वविद्यालय, पुसा बिहार से औशधीय पौधा के उन्नत खेती, केन्द्रीय मात्सियकी शिक्षा संस्थान से मत्स्य एवं झींगा पालन, राजेन्द्र कृषि विष्वविद्यालय, पुसा बिहार से वर्मी कम्पोस्ट कृषि विज्ञान केन्द्र , कटिहार से मधुमक्खी पालन, नेशनल इन्स्चयुट ऑफ रिसर्च ओन जूट एन्ड एलाइंड फाइबर कलकता- जूट, कृषि विज्ञान केन्द्र , कटिहार बिहार से ग्राफिटिंग एवं

	लेयरिंग के द्वारा पौधा का प्रवर्धन, साईस फॉर सोसाइटी पुर्णिया से एस० एच० जी०, उत्तर बिहार ग्रामीण बैंक मनसाही से एस० एच० जी० का कार्य, कृषि विज्ञान केन्द्र, कटिहार से समेकित कृषि प्रणाली का प्रशिक्षण प्राप्त किया है। कमजोर वर्ग के किसानों हेतु श्भावना किसान क्लब का गठन कर किसानों को उन्नत खेती की जानकारी प्रदान करते हैं। क्लब की महिलाओं को जूट से प्रशिक्षण दिलाकर स्वाबलंबी, स्वरोजगारोन्मुखी बनाने का कार्य करते हैं। उद्यमिता विकास के लिए मूर्गीपालन, और कम लागत में वर्मी कम्पोस्ट, बांसबेड बना कर वर्मी कम्पोस्ट का उत्पादन करते हैं। श्री टूनटून मंडल के द्वारा किसान मेला एवं बिहार दिवस २०१३ में अपने स्टॉल के माध्यम से किसानों का ज्ञानवर्धन किया गया। बिहार दिवस २०१३ के अवसर पर कृषि विज्ञान केन्द्र, कटिहार से सहयोग से बांस के उत्पादों का स्टॉल लगाया गया था जिसे काफी सराहा गया।
नवाचार	उद्यमिता विकास
पुरस्कार	नाबार्ड द्वारा प्रशस्त पत्र
कृषि के अतिरिक्त अन्य क्रियाकलाप हो	मूर्गीपालन

किसान का नाम	श्री सत्य नारायण मंडल
ग्राम	भेडमारा
प्रखंड	मनसाही
जिला	कटिहार
शैक्षणिक योग्यता	इंटर
टेलीफोन नं०	९६३११००३७६
प्रक्षेत्र का क्षेत्रफल	२ एकड़
मवेशियों की संख्या	२ गाय
पोखड़ का क्षेत्रफल	नहीं
कृषि विज्ञान केन्द्र/ विश्वविद्यालय जिससे आप लाभान्वित हो रहे हैं।	इन्होंने कृषि विज्ञान केन्द्र के वैज्ञानिकों से संपर्क कर खेती की नई विद्याओं को सीखा एवं वैज्ञानिक विधि से खेती प्रारम्भ किया। इन्होंने मक्का उत्पादन का भी प्रशिक्षण लिया।
उद्यम	मक्का उत्पादन
उद्यम से लाभान्वित किसानों की संख्या	३५
पिछले २-३ वर्षों में औसतम बढ़त्तरी	६-८ प्रतिशत
वार्षिक आय विगत पाँच वर्षों में	५०,०००.००
प्रशिक्षण प्राप्त	कृषि विज्ञान केन्द्र, कटिहार के द्वारा
सदस्य स्वयं सदस्यता समूह / संघ / संगठन /समिति(कम से कम एक साल के रूपमें सदस्यता)	०२
अपनी उपलब्धियों का संक्षिप्त विवरण	वर्ष २०१५ में मैं कृषि विज्ञान केन्द्र कटिहार आकर नई-नई तकनीक के बारे में जानकारी प्राप्त की, जिसमें कम लागत एवं कम जमीन में अधिक मुनाफा वाले फसल मक्का जानकारी प्राप्त की। और इस तरह मक्का की खेती से हम अपने परिवार का आज भरण पोषण सही ढंग से कर रहे है। किसान क्लव की स्थापना कर अपने गांव के किसानों के बीच जागरूकता पैदा कर रहे है।

किसान का नाम	श्रीमती सीता देवी
ग्राम	बड़ी बथना

प्रखंड	मनसाही
जिला	कटिहार
शैक्षणिक योग्यता	मीडिल पास
टेलीफोन नं६	६७०६८६७११६
प्रक्षेत्र का क्षेत्रफल	०३ एकड
कृषि विज्ञान केन्द्र/ विश्वविद्यालय जिससे आप लाभान्वित हारे हैं हैं।	वर्ष २०१२ में मैं कृषि विज्ञान केन्द्र कटिहार आकर नई-नई तकनीक के बारे में जानकारी प्राप्त की, जिसमें कम लागत एवं कम जमीन में अधिक मुनाफा पर पॉलीहाउस पर जानकारी प्राप्त की। नवम्बर २०१२ में मैंने पॉलीहाउस का निर्माण करा लिया, जिसमें प्रशिक्षण के लिए कृषि विश्वविद्यालय सबौर में जाकर पॉलीहाउस में खेती की जानकारी प्राप्त की। पॉलीहाउस में पहले शिमला मिर्च की खेती की जिसमें लगभग ३०,००० रुपये लागत लगा। जिसमें मैंने उस १००० ^० उमजमत में लगभग २६ किलोग्राम शिमला मिर्च प्राप्त किया, जिसे कटिहार बाजार में ४० रुपये प्रति किलो से ६० रुपये प्रतिकिलोग्राम की दर से बिक्री किया। इसमें लगभग १,२०,००० कुल बिक्री हुई उत्पादन खर्च ३०००० रुपये घटाकर कुल शुद्ध आय लगभग ६०,००० रुपये प्राप्त हुआ। आज मैं अपने पति के सहयोग से अपने पैरों पर खड़ी हूँ जिससे कि मैं अपने बच्चों को अच्छी शिक्षा दे पा रही हूँ तथा परिवार का भरण-पोषण अच्छी तरह से कर रही हूँ। मैं सदा कृषि विज्ञान केन्द्र कटिहार का सदा आभारी बनी रहूँगी।
उद्यम	पॉलीहाउस में खेती कर आत्म निर्भर
उद्यम से लाभान्वित किसानों की संख्या	८०
पिछले २-३ वर्षों में औसतम बढ़तूरी	५-७ प्रतिशत
वार्षिक आय विगत पाँच वर्षों में	१,००,०००
प्रशिक्षण प्राप्त	कृषि विज्ञान केन्द्र कटिहार के द्वारा
सदस्य स्वयं सदस्यता समूह / संघ / संगठन / समिति(कम से कम एक साल के रूपमें सदस्यता)	हैं
अपनी उपलब्धियों का संक्षिप्त विवरण	मेरे पति श्री शिवनाथ कुमार हैं जो एक छोटा किसान हैं। आज के दौर में बहुत ही परिश्रम कर अपने परिवार का भरण-पोषण किसी तरह कर पाती थी। मेरे क्षेत्र में अधिक से अधिक हरी सब्जी की खेती होती है, जिसमें मेरा परिवार भी आलू, बैंगन इत्यादि की खेती में लगा रहता था। कभी वर्षा की मार तो कभी आँधी एवं प्राकृतिक आपदा के कारण खेती में जो लागत पूँजी लगती थी वो भी नहीं आता था। दिन-प्रतिदिन खेती कर्ज के तले दबता चला गया। किसी काम से मैं एक दिन बाजार गयी तो देखी की कई तरह की

	बेमौसमी सब्जियों जैसे- शिमला मिर्चा, टमाटर, खीरा, धनियाँ इत्यादि बिक रही थी। जिसकी कीमत अन्य दिनों से बहुत ज्यादा थी, तभी मन में ख्याल आया कि हम भी इसकी खेती क्यों नहीं करें जिससे अच्छी आमदनी हो तो मैंने इस संबंध में कृषि विज्ञान केन्द्र कटिहार से संपर्क किया।
नवाचार	व्यावसायिक स्तर पर पॉलीहाउस में शिमला मिर्च टमाटर एवं अन्य बेमौसमी सब्जियों की खेती करना।

किसान का नाम	श्री सुरेश प्रसाद सिंह
ग्राम	ताजगंज-चिलमारा
प्रखंड	कटिहार
जिला	कटिहार
शैक्षणिक योग्यता	इंटर
टेलीफोन नं०	८२५२०५१५३६
प्रक्षेत्र का क्षेत्रफल	०.८ हेक्टेयर
मवेशियों की संख्या	दो गाय
पोखड़ का क्षेत्रफल	नहीं
कृषि विज्ञान केन्द्र/ विश्वविद्यालय जिससे आप लाभान्वित हैं हैं।	कृषि विज्ञान केन्द्र कटिहार के संपर्क में आये तथा विभिन्न प्रशिक्षणों को प्राप्त किया। इसके बाद इन्होंने अपने गाँव के निकट कटिहार मुख्यालय होने के कारण सब्जियों की खेती को चुना। इन्होंने अपने खेती में विभिन्न जैविक उपायों को भी अपनाया जिसके कारण आज श्री सिंह एक सफल किसान की श्रेणी में हैं और समाज में इनका विशेष प्रभाव भी है।
उद्यम	सब्जियों की खेती में ट्राइकोड्रमा का प्रयोग किया साथ ही साथ एजेटोवैक्टर एवं फॉस्फोवैट्रीरिया का प्रयोग किया सब्जियों में वर्मी कंपोस्ट का प्रयोग कर बढ़ते रसायनिक खाद की प्रवृत्ति को कम किया साथ ही साथ वर्मीवास का प्रयोग कर बढ़ते कीटनाशक का प्रयोग कम किया। हरी खाद के रूप में ढेंचा एवं मूँग का प्रयोग किया मिट्टी जॉच कराकर सही अनुपात में रसायनिक खाद का प्रयोग करता हूँ। जल विलेय उर्वरकों का प्रयोग (१७:४४) एवं १६:१६:१६:१ फास्फो-सल्फो-नाइट्रो कम्पोस्ट का प्रयोग स्वयं बनाकर करता हूँ।
उद्यम से लाभान्वित किसानों की संख्या	४०
पिछले २-३ वर्षों में औसतम बढ़त्तरी	६-६ प्रतिशत
वार्षिक आय विगत पाँच वर्षों में	३.००.०००
प्रशिक्षण प्राप्त	कृषि विज्ञान केन्द्र कटिहार के द्वारा
सदस्य स्वयं सदस्यता समूह / संघ / संगठन /समिति (कम से कम एक साल के रूपमें सदस्यता)	०५
अपनी उपलब्धियों का संक्षिप्त विवरण	पुरुशार्थी कृषक श्री सुरेश प्रसाद सिंह कहते है परिस्थितियों, लाचारी और मजबुरी व्यक्ति से सब कुछ करवा लेती है। ऐसा व्यक्ति अच्छे कार्य भी कर सकता है और बुरे भी चाहे तो वह खुद बुलंद हैसला रखते हुए कड़ी मेहनत और लगन से कार्य करता हुआ सम्मानजनक जीवन जी

	<p>सकता है और चाहे तो कुमार्ग पर चलकर अपनी तथा अपने परिवार की छवि को धुमिल भी कर सकता है।</p> <p>कटिहार जिले के चिलमाडा ग्राम के श्री सुरेश प्रसाद सिंह के जीवन की कहानी अत्यंत संघर्षपूर्ण है। चिलमारा कृषि प्रधान गाँव इसी गाँव के साधारण कृषक परिवार में श्री सुरेश प्रसाद सिंह का जन्म हुआ। स्नातक तक की शिक्षापूर्ण करने के बाद जब इन्हें नौकरी नहीं मिली तो समाज ने नकारा कह कर बुलाना पुरु किया उसी वक्त इन्होंने अपना स्वयं का रोजगार यानि कि खेती अपनाने की बात ठानी। इनके फैसले से परिवार में कोई खुषी नहीं हुई, इन्होंने खेती पुरु किया जिससे इनका सामान्य जीवन चल निकला। कुछ समय के पश्चात् वे कृषि विज्ञान केन्द्र कटिहार के संपर्क में आये तथा विभिन्न प्रशिक्षणों को प्राप्त किया। इसके बाद इन्होंने अपने गाँव के निकट कटिहार मुख्यालय होने के कारण सब्जियों की खेती को चुना। इन्होंने अपने खेती में विभिन्न जैविक उपायों को भी अपनाया जिसके कारण आज श्री सिंह एक सफल किसान की श्रेणी में हैं और समाज में इनका विशेष प्रभाव भी है। इन प्रयासों के परिणाम के कारण आज दूसरे किसानों ने भी सब्जियों की खेती की ओर अपना रुख किया है।</p>
नवाचार	<ol style="list-style-type: none"> १. मिट्टी जॉच २. हरी खाद का प्रयोग। ३. एजोबेक्टर, फास्फोबैक्टीरिया का प्रयोग। ४. ट्राइकोड्रमा का प्रयोग ५. जीरो टिलेज का प्रयोग ६. धान की श्रीविधि का प्रयोग
कृषि के अतिरिक्त अन्य क्रियाकलाप हो	पशुपालन

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

- Questionnaire
- Personal Interview
- Observation

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

Sl. No	Name of the Equipment	Qty.

1.	Bunsen Burner for LPG Gas	1
2.	Muffle Furnace 4”X4”X9” Chamber Size Make TANCO	1
3.	Viscometer Ostwald glass	1
4.	Max-Min Thermometer	1
5.	Hygrometer Make- Imported Digital	1
6.	Automatic Vortexing Machine Cyclo Mixer TANCO make	1
7.	Grinder	1
8.	Mechanical Shaker	1
9.	Electronic Balance	1
10.	Weighing Machine	1
11.	PH meter	1
12.	Flame Photometer	1
13.	Hot Air Oven	1
14.	Hot Plate	1
15.	Digital Conductivity meter	1
16.	Double Distillation Unit	1
17.	Mrida Parikshak Kit	1
18.	Mini Soil Kit	2
19.	Spectrophotometer	1
20.	kzeltron Automatic Nitrogen estimate system(Digestive System)	1
21.	kzeltron Automatic Nitrogen estimate system (Distillation System)	1

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
553	1545	2098	2098	102	770600.00

3.11.c. Details on World Soil Day

Sl. No	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	To Create awareness among the farmers of different plan of government, formation of Bio fertilizer, farmer-Scientist meeting, film Show, rain water harvesting, literate of economy.	475	10	Sri Vinod Kumar Singh, Hon’ble Minister, mines and geology Department, Govt. of Bihar, Sri Mithilesh Mishra, District Migstrate, Katihar, . Dr. B.C. Saha Director Research, BAU, Sabour Dr. Vinod Kumar Singh, Programme Coordinator, KVK, Katihar, .. Sri Chandradeo Prasad DAO, Katihar, Sri Aswani Kumar Chaudhari, Jute Development Officer, Sri Kedar Nath Singh District Dairy Development officer, Sri	265	475

				Pankaj Kumar JPPO, Katihar & Sri S.K.Jha		
--	--	--	--	---	--	--

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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration-N/A

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

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

No of student trained	No of days stayed
17 Student Starting date- 09.08.2017 to 17.12.2017	128

List of Student attached

Sl.No.	Name	Father's Name	Address	Mobile No.	Roll No.
1	Md. Sartaj	Md.Ayub	At+P.O.-Gazipur ps-Tarapur Munger	9504074082	BPSAC/36/2014-15
2	Amar Kumar	Sri Naresh Prasad Yadav	At- Mirjapur PO+P.S.- Sabour Bhagalpur	8051779063	BPSAC/37/2014-15
3	Raj Brother	Sri Jagdish Choudhary	At- Bihata, (Near Airport), Patna,	7301567742	BPSAC/38/2014-15
4	Chandan Kumar	Sri Brijnandan Prasad	Vill- Singhaul Dist- Nawada	9060480472	BPSAC/39/2014-15
5	Rahul Kumar	Sri Mrityunjay Kumar Singh	Vill- Pansalwa Dist- Khagariya	7549783349	BPSAC/41/2014-15
6	Rishav Nandan	Sri Jaynandan Mandal	Vil- Nawtoliya Bindwara Dist- Munger	7739194140	BPSAC/42/2014-15
7	Radheshyam	Bharat mahto	Vill Dhaka Distt motihari	8986228069	BPSAC/43/2014-15
8	Vicky kumar	Ramanand pandit	Vill-Kharka po- jagpura ps- Makhdumpur DIST-Jehanabad	7763945048	BPSAC/44/2014-15
9	Kamlendra kumar	Manoj thakur	Vill- Hansour Ps- belsand Distt- Sitamarhi	8294825595	BPSAC/45/2014-15
10	Rahul kumar	Shatrughan Das	At-Bata Eastern colony ,Hathidah ,Distt- patna	9608737104	BPSAC/46/2014-15
11	Priyanshu priyadarshi	Shambhu sharan suman	At-Gandhinagar,Ishakchak	8092306541	BPSAC/47/2014-15
12	Govinda Kumar	Bhagawan pandit	At-Ahmadpur,harna po- Lari ps-kurtha distt-arwal	7277518280	BPSAC/48/2014-15
13	Sunil Kumar	Sri Ramswaroop Mandal	Vill- Jagannatpur Dist- Bhagalpur	9576229066	BPSAC/50/2014-15
14	Vikash Kumar	Sri Ravindra Prasad	Vill- TetariyaDist- East Champaran	8804941196	BPSAC/51/2014-15
15	Mani shankar	Sri Brijnandan	Vill- Manjaur Dist- Nawada	9097565494	BPSAC/52/2014-

		Prasad			15
16	Keshav Kumar	Sri- Baidyanath Prasad	Vill- Basuki bihari Dist- Madhubani	9546675557	BPSAC/53/2014-15
17	Braj Bihari	Sri Krishnadeo Sahu	Vill- Basuki bihari Dist- Madhubani	7739039352	BPSAC/54/2014-15

ARS trainees trained	No of days stayed
00	00

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

Date	Name of the person	Purpose of visit
25.07.2017	Dr. Man Singh, Joint Director, Directorate of Rice Development	To participate in the awareness program on entrepreneurship development thorough fisheries
25.07.2017	Sri Rajiv Kamal, ATMA	To participate in the awareness program on entrepreneurship development thorough fisheries
05.12.2017	Hon'ble minister Mines and Geology Govt of Bihar, Sri Vinod Kumar Singh,	To participate in the World Soil Day
05.12.2017	Sri Mithilesh Mishra, DM, Katihar	To participate in the World Soil Day
05.12.2017	Sri Shashi Kant Jha, Project Director, ATMA, Katihar	To participate in the World Soil Day
05.12.2017	Sri Ashiwani Kumar Choudhary, Assistant Jute Office, Katihar	To take participate in the World Soil Day
16.03.2017	Dr. Anil Kumar, Assistant Professore, BPSAC, Purnea	To take participate in the Makhana Production Awareness Programme
17.03.2018	Hon'ble MLA, Kaithar Sri Tarkishore Prasad	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri Mithilesh Mishra, DM, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri Chandra Deo Prasad DAO, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri Shashi Kant Jha, Project Director, ATMA, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri Amit Kumar, DDM, Nabard, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri B.P. Kushwah, LDM, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri Ashwani Kumar choudhary, Assist jute development officer, Katihar	To take participate in the Doubling of farmers income Programme
17.03.2018	Sri S. K. Jha, Director, vittiya rin paramarsh Kendra, Katihar	To take participate in the Doubling of farmers income Programme
05.12.2017	Dr. Rajesh Kumar, Principal BPSAC, Purnea	To take participate in the World Soil Day
05.12.2017	Dr. Paras Nath, Senior Scientistl BPSAC, Purnea	To take participate in the World Soil Day
22.06.2017	Sri Ratneshwari Prasad Singh, Member, ICAR, Society	To take participate in the Ex- Trainee Meeting
22.06.2017	Dr. Anil Kumar, Scientist, BPSAC, Purnea	To take participate in the Ex- Trainee Meeting
15.10.2017	Sri R.K. Nikhil, district Project Office,	To take participate in the national women

	Katihar	farmer day 2017.
15.10.2017	Dr Sunil Kumar Suman, (Animal Husbandry)Jivika	To take participate in the national women farmer day 2017.
15.10.2017	Dr. Anil Kumar , Scientist, JRS	To take participate in the national women farmer day 2017.
15.10.2017	Om Prakash, Manager, Jivika, Katihar	To take participate in the national women farmer day 2017.

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)
Poultry	200	40%	40000	65000
Improved Cultivars	480	12%	22000	28000
Vermicompost	360	16%	31000	38000

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
Improved cultivars	5638
Seed treatment	2175
Vermicompost	1868
Seed production	310
Balanced fertilizer application	3368

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

Title	Impact of KVK, Training Programme on Adoption of Organic Farming Practices
-------	--

Table 1: Extent of perception of training programme among the trained farmers about organic farming practices

S. No.	Organic farming practices	Extent of perception (n=150)					
		Low	(%)	Medium	(%)	High	(%)
1	Application of FYM	9	6.00	59	39.33	82	54.67
2	Green Mannuring	42	28.00	46	30.67	62	41.33
3	Vermi composting	38	25.33	69	46.00	43	28.67
4	Azolla	40	26.67	68	45.33	42	28.00
5	Blue Green algae	29	19.33	77	51.33	44	29.33
6	Use of Neem oil	40	26.67	78	52.00	32	21.33
7	Use of cow urine	28	18.67	74	49.33	48	32.00
8	Use of Azotobactor & PSB	39	26.00	76	50.67	35	23.33

Table 2: Distribution of respondents according to their perception in relation to organic farming practices before and after participating in training programme

S. No.	Categories	Respondents (n=150)
--------	------------	---------------------

		Before		After	
		No.	%	No.	%
1	Low	84	56.00	47	31.33
2	Medium	59	39.33	61	40.67
3	High	7	4.67	42	28.00
4	Total	150	100.00	150	100.00

CONCLUSION

This study concluded that only 4.67 per cent of the respondents had high perception in organic farming before participation of training and after the participation of training programme this figure is increased up to 28.00 per cent. In this study difficult method of preparation of organic inputs & high cost of inputs were major problem experienced by the farmers during adoption of organic farming practices.

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

A. Goat farming

Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	Radha Hembram Vill. – Nima Block – Manihari Distt. – Katihar (Bihar) Mob. - 9572102200
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	One year
Technical Components of the Enterprise	Training, Treatment, Breed selection
Status of entrepreneur before and after the enterprise	Primarily she was rearing 2 goats and presently he is rearing 13 goats
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise)	Black bengal – 13 (kids and adults are sold at local market)
Horizontal spread of enterprise	12

B. IFS

Name of the enterprise	Resource conservation
Name & complete address of the entrepreneur	Sri Amresh Kumar Choudhary Age:- 39 years Vill:- Bhawara Post:- Katihar Distt:- Katihar(Bihar)
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	Two years
Technical Components of the Enterprise	Sri Amresh Kumar Choudhary adopted the methods of IFS. In most of his land he planted some useful fruit plants and Bamboo that gave him useful fruits and timbers. He started small dairy that gave him ample milk for sale. He started vermi compost. Fisheries gives solid source of income. He taught the importance of environment and ecology to another farmer of neighboring areas and earn additional income of Rs. 350000/- per year
Status of entrepreneur before and after the enterprise	After adopting IFS, he earn and additional income of Rs. 350000/-
Present working condition of enterprise in terms of raw materials availability, labouravailability, consumer preference, marketing the product etc. (Economic viability of the enterprise)	IFS in two acre land
Horizontal spread of enterprise	6

C. Beekeeping

Entrepreneurship development	
Name of the enterprise	Bee keeping
Name & complete address of the entrepreneur	Sri Sadanand Kumar Village - Bhilahi Block – Dandkhora Dist- Katihar Mob No. - 7549707681
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	Two years
Technical Components of the Enterprise	Start Beekeeping in a group of farmers and in first years starts with 20 boxes and get 800 Kg honey with an investment of Rs 20000. presently he have 100 Boxes and earning 275000/- in a season.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise)	Enterprise is in good condition and the group found satisfactory results in terms of monitory benefits.
Horizontal spread of enterprise	Enterprise is spread among other 12 rural youths.

D. Vermicomposting

Entrepreneurship development	
Name of the enterprise	Vermicompost
Name & complete address of the entrepreneur	Sri Sanjay Kumar Singh Vill:- Mujbar Tal Block- Manihari Dist- Katihar Mob No.- 9931360084
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	2 years
Technical Components of the Enterprise	After prepration of vermicompost, he is saling @rs . 5 per kg, After starting the enterprise sri singh gets additional income of Rs. 3800.00
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Present working condition is in a good condition . The avaibility of raw material is not a problem and the sailing of vermicompost is not a problem.
Horizontal spread of enterprise	10

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA, Katihar	Regarding assistance in training, Kharif Mahotsav, Rabi Mahotsav and other programmes
District Agriculture office ,Katihar	Regarding Mechanisation, Training, Demonstration, Field day and other programmes
Jeevika, Katihar	Regarding assistance in training
RSETI, Katihar	Regarding assistance in training
Deptt. of Fishries, Katihar	Regarding assistance in training
Deptt. of Animal Husbandry, Katihar	Regarding assistance in training
NABARD	Regarding assistance in training,Formation of Kisan Club , FPO and financial assistance
IFFCO,Katihar	Regarding assistance in training
NIAM, Jaipur	Regarding assistance in training
District Industries Centre	Regarding assistance in training
District Co-operative Office	Regarding assistance in training
Path Angikanchal,NGO	Regarding assistance in training
AIR, Purnea	Technical Support

5.2. List of special programmes undertaken during 2017-18 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

(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.)
Gardener	Training	01-12-2017	BSDM	
Makhana	Training	17.03.2017	NIAM	60000

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.	Poultry unit		25						
2.	Vermi Compost Unit		28						
3.	Azolla unit		02						
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	21.06.2017	10.11.2017	2.2	R.M-1	C/S	70	81790.00	224000.00	
Paddy	20.06.2017	05.11.2017	1.0	Swarna Sub-1	C/S	23	37177.00	73600.00	
Arhar	27.06.2017	8.4.2018	1.2	Bahar	C/S	4.3	15871.00	37840.00	
Wheat	12.12.2017	13.04.2018	0.96	DBW-14	C/S	23	38651.00	64400.00	
Wheat	25.11.2017	14.04.2018	1.9	HD-2967	C/S	54	76498.00	151200.00	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	2000	4800	12000.00	
2.	Worms	30	3600	15000.00	

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.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds):- 30

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
09.08.2017 to 17.12.2017	17	128	
01.12.2017 to 29.01.2018	30	60	
Total :	47	188	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: **Yes**No. of staff quarters: **06**

(1 pc quarter, 1 FM quarter, 2 TA quarter , 2 supporting staff quarter completed and allotted)

Date of completion: **DEC 2013**

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
December 2013	✓					
December 2013		✓				
December 2013			✓			
December 2013				✓		
September 2015					✓	
September 2015						✓

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
R/F	State Bank of India	Shiv Mandir chowk, Katihar	10501342703
C/A	State Bank of India	Shiv Mandir chowk, Katihar	10501337736
NHM	State Bank of India	Shiv Mandir chowk, Katihar	31114820470
GIS	State Bank of India	Shiv Mandir chowk, Katihar	30743525362

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Mustard	-	-		2,39,681.00	-

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

Item	Released by ICAR		Expenditure		Unspent balance as on
	Kharif	Rabi	Kharif	Rabi	
Lentil	-	-	-	1,42,963.00	-

7.4. Utilization of KVK funds during the year 2017-18(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	7616000.00	7616000.00	7301224.00
2	Traveling allowances	65000.00	65000.00	63316.00
3	Contingencies			
A	Stationary, Tele, Postage and other official charge, POL, repair of vehicle	708000.00	708000.00	707919
B	Training of Farmers	130000.00	130000.00	129950.00
C	Training materials (Poster, charts)	53000.00	53000.00	53000.00
D	Training of Extension Functionaries	36000.00	36000.00	36000.00
E	Training of Rural Youth	5000.00	5000.00	5000.00
F	Front line demonstration other than Oilseeds and pulses	120500.00	120500.00	118589.00
G	On-farm Testing	98000.00	98000.00	94652.00
H	Soil & Water testing Lab	-	-	
I	Maintenance of Building	70000.00	70000.00	69890.00
J	Extention activity exhibition, Kisan Mela etc.	40000.00	40000.00	40000.00
K	TSP Cont.	-	-	
TOTAL (A)		1382000.00	1382000.00	1364023.00
B. Non-Recurring Contingencies				
1	Works	3400000.00	3400000.00	3400000.00
2	Vehicle	-	-	-
3	Equipment & Furniture	-	-	-
4	Lib.	-	-	-
5	IT	-	-	-
6	Furniture	-	-	-
TOTAL (B)		3400000.00	3400000.00	3400000.00
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		12398000.00	12398000.00	12065247.00

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2015-16	1424726.49	524548.00	484118.50	1465155.99
2016-17	1465155.99	442162.00	584642.00	1333073.99
2017-18	1333073.00	481735.00	592236.9	1222562.09

- 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 - 20
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	Both
Diagnostic Field Visit	32	Kharif & Rabi 2017-18	✓	✓	✓
Krishi Yantrikaran Mela	6	Kharif & Rabi 2017-18	✓	✓	✓
Krishak Gosthi	19	Kharif & Rabi 2017-18	✓	✓	✓
Field Day	35	Kharif & Rabi 2017-18	✓		
Krishak Vigyanik Milan	02	Kharif & Rabi 2017-18	✓	✓	✓
Rabi Mahotsav	16	Rabi 2017	✓	✓	✓
Crop Cutting Experiments	8	Kharif & Rabi 2017-18	✓		
District Level Kharif Mahabhiyan Programme	1	Kharif,2017	✓	✓	✓
District Level Rabi Mahabhiyan Programme	1	Rabi 2017	✓	✓	✓
Kharif Mahotsav	1	Kharif 2017	✓	✓	✓
Kisan Club Meeting	6	Kharif & Rabi 2017-18	✓		
Financial Literacy Programme	5	Kharif & Rabi 2017-18	✓		
SAC meeting	01	Rabi 2017	✓	✓	✓
Training Programme	7	Kharif & Rabi 2017-18	✓	✓	✓

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)
Bacterial Leaf Bright	Paddy	10.08.2017	80	5%	65
Sheath Rot	Paddy	05.08.2017	230	5%	210
Comman Rust	Maize	09.11.2017	300	8%	280

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme- N/A

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	86	289451
Livestock	05	16828
Fishery	00	00000
Weather	13	43788
Marketing	06	20164
Awareness	18	60582
Training information	07	23560
Other	139	467834
Total	274	922207

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	15987
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 Swacha Bharat Programme

Date of Observation	Activities undertaken
01-09-2017 to 15-09-2017	KVK, Katihar organise Swachta Saptah from 01st sept to 15 sept 2017 necessary actions for cleanliness of residential colony situated at KVK, Katihar. Scientist of KVK, Katihar focused upon sanitation in Field day and other programmes during the Swachta Saptah . In village level programmes Team KVK focused upon the Importance of sanitation in detail. Techniques of sanitation at village level like vermi compost technique, Mushroom cultivation technique to recycle agro waste in a suitable manner with earning additional income also introduced. Farmers were advised to minimize the Chemical Fertilisers, Insecticides, and Pesticides through Soil Testing, Bio Fertilisers and use of bio - Pesticides.

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	12	24000
3. Sanitation and SBM	10	8000
4. Cleaning and beautification of surrounding areas	13	9400
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	3	13500
6. Used water for agriculture/ horticulture application	8	7600
7. Swachhta Awareness at local level	9	3900
8. Swachhta Workshops	3	9100
9. Swachhta Pledge	6	1630
10. Display and Banner	66	2310
11. Foster healthy competition		
12. Involvement of print and electronic media	16	8000
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	9	-
14. No of Staff members involved in the activities	23	-
15. No of VIP/VVIPs involved in the activities	02	-
16. Any other specific activity (in details)	-	-
Total	180	87440

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSuraksha Bal (BSF)-N/A

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
High School, Mansahi, Katihar	03.08.2017	Agricultural Education	Audio Visual Aids and Live samples
Middle School, Azamgar	10.10.2017	Agricultural Education	Audio Visual Aids and Live samples
Middle School, Lasha, Katihar	25.01.2018	Agricultural Education	Audio Visual Aids and Live samples
High School, Korha, Katihar	20.03.2018	Agricultural Education	Audio Visual Aids and Live samples

Give good quality 1-2 photograph(s)

9.9. Details of 'Sankalp Se Siddhi' Programme- N/A

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 Door Darsan (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 Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	General awareness about cleanliness and cleanliness activities	KVK, Katihar	25		
2	Debate on cleanliness	KVK, Katihar	25		
3	cleanliness activities	KVK, Katihar	30		

4	cleanliness activities	KVK,Katihar	25		
5	cleanliness activities	KVK,Katihar	25		
6	General awareness about cleanliness	Katihar & Korha	165	1	Hon'ble MLA, Katihar,SriTarkisore Prasad Ji in Katihar
7	General awareness about cleanliness	Barari & Sameli	186		
8	General awareness about cleanliness	Manihari & Mansahi	228	1	Hon'ble MLA, Manihari ,SriManohar Prasad in Manihari
9	General awareness about cleanliness	Amdabad & Dandkhora	257		
10	General awareness about cleanliness	Hasanganj & Pranpur	289	1	Hon'ble MLA, Katihar,SriTarkisore Prasad Ji in Hasanganj
11	Use of waste for compost Vermicompost making	Balrampur & Kadwa	352		
12	Training to the farmers about the compost making	Azamnagar & Barsoi	285		
13	Cleanliness activities	Sirsa & Lahsa (Adopted Village)	55		
14	Cleanliness activities	Bhermara, Musapur and Phulhara (Adopted village)	52		
15	Cleanliness activities	Musapur (Adopted village)	30		

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	1. Training Programme on Contribution of farm women and agricultural based self employment 2. Role of women in agriculture and knowledge about the different part of Agricultural 3. Women Empowerment and entrepreneurship development	02	30	05	1. Sri R.K. Nikhil, District Project Manager , Jivika Katihar 2. Dr Sunil Kumar Suman, (Animal Husbandry)Jivika 3. Dr. Anil Kumar , Scientist, JRS 4. Om Prakash, Manager, Jivika, Katihar

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	Sarita Murmu	Vill-Nima Block Manihari,Katihar 9955024783	Backyard Poultry
2	Elijabeth Hembram	Vill-Nima Block Manihari,Katihar 7361931227	Backyard Poultry
3	Bakku Soren	Vill-Nima Block Manihari,Katihar 754309338	Backyard Poultry
4	Usha Hembram	Vill-Nima Block Manihari,Katihar 9934019829	Backyard Poultry
5	Surendra Marandi	Vill-Nima Block Manihari,Katihar 8084190662	Backyard Poultry
6	Lili Marandi	Vill-Nima Block Manihari,Katihar 7763022163	Backyard Poultry
7	Aale Rasul	Vill-Nimaul Block- Azamnagar ,Katihar 8082372840	Pulse Production
8	Abdul Hatran	Vill-Nimaul Block- Azamnagar ,Katihar 8002372840	Pulse Production
9	Md. Manjar Alam	Vill-Nimaul Block- Azamnagar ,Katihar 9199021132	Pulse Production
10	Chhiti	Vill-Nimaul Block- Azamnagar ,Katihar 8002372840	Pulse Production
11	Pratoon Khatoon	Vill-Nimaul Block- Azamnagar ,Katihar 9006925754	Pulse Production
12	Tajun Khatoon	Vill-Nimaul Block- Azamnagar ,Katihar 7545008418	Pulse Production
13	Md. Wajj	Vill-Nimaul Block- Azamnagar ,Katihar 7488495214	Pulse Production
14	Vishnu dev urion	Vill-Nimaul Block- Azamnagar ,Katihar 9939211750	Fish Production
15	Rishi Kant Singh	Vill-Nimaul Block- Azamnagar ,Katihar 8294471450	Fish Production
16	Hari Prasad Mandal	Vill-Nimaul Block- Azamnagar ,Katihar 7808607840	Fish Production
17	Vikram Kumar	Vill-Nimaul Block- Azamnagar ,Katihar 7970657428	Fish Production
18	Asagar Ali	Vill-Nimaul Block- Azamnagar ,Katihar 7061180128	Fish Production
19	Md. Sakbir Hussain	Vill-Nimaul Block- Azamnagar ,Katihar 8709560720	Fish Production
20	Md. Hajrat Ali	Vill-Nimaul Block- Azamnagar ,Katihar 9570991601	Fish Production
21	Md. Sagir	Vill-Nimaul Block- Azamnagar ,Katihar 7544925946	Fish Production
22	damodar Prasad Sharma	Vill-Nimaul Block- Azamnagar ,Katihar 9955521961	Fish Production
23	Sanjay Jha	Vill-Nimaul Block- Azamnagar ,Katihar 9472896735	Fish Production
24	Rajiv Kumar Rajak	Vill-Nimaul Block- Azamnagar ,Katihar 8809729929	Bee Keeping

25	Sukhdev Rishi	Vill-Nimaul Block- Azamnagar ,Katihar 7654548729	Bee Keeping
26	Lakhan Lal Paswan	Vill-Nimaul Block- Azamnagar ,Katihar 9525178646	Bee Keeping
27	Uma Shankar Singh	Vill-Nimaul Block- Azamnagar ,Katihar 7654541913	Bee Keeping
28	sheikh noor Mohmmad	Vill-Nimaul Block- Azamnagar ,Katihar 7782006642	Bee Keeping
29	Dilip Kumar Singh	Vill-Nimaul Block- Azamnagar ,Katihar 8873325621	Bee Keeping
30	Awadesh Kumar Singh	Vill-Nimaul Block- Azamnagar ,Katihar 9709380901	Bee Keeping
31	Ratan Kumar	Vill-Nimaul Block- Azamnagar ,Katihar 9708837797	Bee Keeping
32	Rahul Kumar rajak	Vill-Nimaul Block- Azamnagar ,Katihar 8809729929	Bee Keeping
33	Ganesh Kumar	Vill-Nimaul Block- Azamnagar ,Katihar 8406962138	Bee Keeping
34	Raj Kumar	Vill-Nimaul Block- Azamnagar ,Katihar 7282985610	Bee Keeping

9.13.HRD programmes attended by KVK person

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
National Seminar	03	Dr. Rama Kant Singh, Sri Pankaj Kumar, Dr. Sushil Kumar Singh, Dr. S.B. Singh, Dr. S.K. Sinha	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. S.B. Singh, PC, KVK, Jalalgarh, Dr. S.K. Sinha, PC, KVK, Katihar	BAU,Sabo ur
National Seminar	03	Dr. Rama Kant Singh, Sri Pankaj Kumar, Dr. Sushil Kumar Singh, Dr. S.B. Singh, Dr. S.K. Sinha	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. S.B. Singh, PC, KVK, Jalalgarh, Dr. S.K. Sinha, PC, KVK, Katihar	BAU,Sabo ur
National Seminar	03	Dr. Sushil Kumar Singh,	Dr. Sushil Kumar Singh, SMS(Agro),	BAU,Sabo ur
Training Programme	05	Smt Swarn Prabha Reddy,	Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	DEE, BAU, Sabour
Workshop	3	Sri Pankaj	Sri Pankaj Kumar,	ATARI,

		Kumar	SMS(Ext.Edu),	Kolkata
Workshop	01	Sri Pankaj Kumar	Sri Pankaj Kumar, SMS(Ext.Edu),	BSDM, Patna
Workshop	01	Sri K.P. Singh	Sri K.P. Singh, SMS, (Hort.)	BAU, Sabour
Training Programme	05	Sri Amarendra Kumar Vikas	Sri Amarendra Kumar Vikas, Programme Assistant, (Computer)	BAU, Sabour
Workshop	01	Sri K.P. Singh	Sri K.P. Singh, SMS, (Hort.)	BSDM, Patna
National Seminar	02	Dr. Rama Kant Singh	Dr. Rama Kant Singh, SMS, (Soil Science),	BCKV Kalyani
Training Programme	01	Sri K.P. Singh	Sri K.P. Singh, SMS, (Hort.)	BSDM, Patna
Workshop	01	Sri K.P. Singh	Sri K.P. Singh, SMS, (Hort.)	BSDM, Patna
Workshop	01	Sri K.P. Singh	Sri K.P. Singh, SMS, (Hort.)	BSDM, Patna
National Conference	02	Smt Nandita Kumari, SMS (Home Science)	Smt Nandita Kumari, SMS (Home Science)	DEE, BAU, Sabour
Training Programme	03	Smt Swarn Prabha Reddy	Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	DEE, BAU, Sabour
Workshop	02	Dr. Rama Kant Singh	Dr. Rama Kant Singh, SMS, (Soil Science)	MPUALT, Udiipur, Rajasthan
Training Programme	10	Smt Nandita Kumari, SMS (Home Science), Smt Swarn Prabha Reddy	Smt Nandita Kumari, SMS (Home Science), Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	ASCI, New Delhi
Training Programme	10	Dr. Rama Kant Singh, Sri Pankaj Kumar	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu)	ASCI, New Delhi
Training Programme	03	Smt Nandita Kumari, SMS (Home Science)	Smt Nandita Kumari, SMS (Home Science)	BAU, Sabour
CAFT Training Programme	21	Smt Nandita Kumari, SMS (Home Science)	Smt Nandita Kumari, SMS (Home Science)	BAU, Sabour
Summer School	21	Sri Pankaj Kumar	Sri Pankaj Kumar, SMS(Ext.Edu),	BAU, Sabour
National Seminar	03	Dr. Rama Kant Singh, Sri Pankaj Kumar, Dr. Sushil Kumar Singh, Dr. R.N. Singh	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu), Dr. Sushil Kumar Singh, SMS(Agro), Dr. R.N. Singh PC, KVK, Katihar	Bihar Animal Science University, Patna

Training Programme	05	Smt Swarn Prabha Reddy	Smt Swarn Prabha Reddy, Programme Assistant (Lab tech.)	BAU, Sabour
National Work Shop of KVK	02	Sri Pankaj Kumar	Sri Pankaj Kumar, SMS(Ext.Edu),	ICAR-IARI, New Delhi
National Conference	02	Dr. Rama Kant Singh, Sri Pankaj Kumar	Dr. Rama Kant Singh, SMS, (Soil Science), Sri Pankaj Kumar, SMS(Ext.Edu)	Vinoba Bhave University Hazaribag, Jharkhand

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Soil tesing Lab,	481715.00	
2.	Seed Sale		
3.	Horticultural Plant sale		
4	Kisan Hostel Charges		

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	NIAM	Training of Makhana Production	ICAR	.6	-
2	WORLD SOIL HEALTH DAY	Awareness Programme on Soil Health	ICAR	.8	-

9.16. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2011-12	IMD	Not in Working condition

9.17. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Katihar	ICM	22	704	After flood late mustard variety Uttara introduced as contingent crop

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

- a) Year:
b) Introduction / General Information:

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

11. Details of TSP

- a. Achievements of physical output under TSP during 2017-18

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	4
Farmers training (in lakh)	0.0072
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	0.00208
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	0.005

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

4,11,000.00 (Four Lakh Eleven thousand) only

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

Sl. No.	Description	Unit No. per household	Achievements
1	Backyard Poultry	55 Farmers	63 Farmers
2	Soil Health Card	30 Farmers	30 Farmers
3	Kitchen Garden	50 Farmers	50 Farmers
4	FLD on Green Gram	55 Farmers	55 Farmers
5	Training	650 Farmers	720 Farmers
6	Demonstration on Lentil	30 Farmers	37 Farmers
7	Exposure Visit	100 Farmers	100 Farmers
8	Field Day	65 Farmers	78 Farmers
9	Paddy Demonstration	25 Farmers	25 Farmers

d. Location and Beneficiary Details during 2017-18

<i>District</i>	<i>Sub-district</i>	<i>No. of Village covered</i>	<i>Name of village(s) covered</i>	<i>ST population benefitted (No.)</i>		
				M	F	T
Katihar	Manihari	01	NIMA	275	883	1158

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks




Institutional interventions




Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks


Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3-5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Bee Keeping with improved technologies	<ul style="list-style-type: none"> • Italian Bee Keeping • Processing of honey at farmers group level • Marketing through group approach / FPO • Branding at farmer's end 	80,000-1,00,000	200-300	
2	Seed production through group approach	<ul style="list-style-type: none"> • Seed production technology transferred to farmers through training programme. • Seed provided to farmers during various FLD and CFLD and encourage them to keep and sell the produced seed to other farmers in the next season • Farmers are getting improved seed 	20,000-50,000	350-600	
3	Organic Farming Practices	<ul style="list-style-type: none"> • Uses of green manuring, FYM, Bio fertilizers, azolla for soil and crop health management. • Uses of low Cost organic Pesticides with the use of Cow Urine, dung & neem etc. 	60,000-70,000	700-800	

		<ul style="list-style-type: none"> • Uses of low cost nutrient management i.e. Jivamrit etc. 			
4	Microbial Consortium for improved retting of Jute	<ul style="list-style-type: none"> • This is consortium with microbial formulation used retting process of jute in stagnant water. • It can reduce the retting period by 5-7 days from conventional retting process • increase the yield by 15-20% • Improves quality of fibre by 1-2 grade point and ultimately increase farmer's income 	8,000-10,000	300-400	
5	Micro Irrigation in Banana	<ul style="list-style-type: none"> • It Shave water and energy • Less Labour require in a unit of land resulting minimising cost of cultivating • Less infesting of weeds Shane weeding cost • Minimise wilting disease of banana • Fruit quality improve as fruit weight long fruit size resulting income increase 	70,000-80,000	300-400	
6	Integrated Farming System	<ul style="list-style-type: none"> • Uses different synergic blending of Crop, Horticultural, Dairy, Fisheries, Poultry etc • Employment to other local 	2,00,000	200-300	

		farmers <ul style="list-style-type: none"> • Decrease cost of cultivation • Multiple uses of resource and providing much needed resilience for predicated climate change, scenario 			
7	Backyard poultry	<ul style="list-style-type: none"> • Rearing high yielding dual purpose breed like Vanraja (30 - 40 bird per unit) • Feeds uses for the purpose low cost locally available feed • Scientific management of poultry (proper vaccination and medication) 	20,000-30,000	200-300	

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

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

STCR Project

1.	Name and address of the Unit:	Department of Soil Science & Agricultural Chemistry, Bihar Agricultural College, Sabour, Bhagalpur
2.	Research Group:	Natural Resource Management
3.	Title of the Project:	Developing and validating modified STCR equations for prominent crops in Agroclimatic Zone II, IIIA and IIIB of Bihar
4.	Project Code : (Office use only)	
5.	Name and Designation of Project Leader:	Dr. Anshuman Kohli, Assoc. Prof.-cum- Sr. Scientist
6.	Name and designation of project leader and associates together with time proposed	

S.N.	Name	Designation	Time to spent	Key outputs
i.	Dr.AnshumanKohli	Assoc. Prof.-cum- Sr. Scientist	20 %	<ul style="list-style-type: none"> ➤ Site selection and coordination for field experimentation. ➤ Technical analysis of all experimental data. ➤ Compilation of results, verification and modification of equations.
ii.	Dr Sunil Kumar	Asstt. Prof.-cum-Jr. Scientist	30 %	<ul style="list-style-type: none"> ➤ Soil and plant analysis
iii	Dr Rama Kant Singh KVK Katihar (BAU Sabour, Bhagalpur)		Variable	<ul style="list-style-type: none"> ➤ Conducting field experiments as assigned by the University ➤ Soil and plant sampling. ➤ Data recording and compilation
7.	Location of research Program:	The Agro-climatic Zone II (Zone IV) of Katihar. Bihar.		
8.	Deliverables:	<ul style="list-style-type: none"> ➤ Development of validated STCR relationships for the prominent crops for agro-climatic zone II, IIIA and IIIB of Bihar for use in the soil testing programme. 		
	(a) Objectives:	<p>For the selected crops in the identified agro-climatic zones, the experiments will be conducted with the following specific objectives:</p> <ul style="list-style-type: none"> ➤ To determine the nutrient requirement in kg / quintal or other economic part (NR). ➤ To determine the percent contribution from soil available nutrients to total uptake (CS) ➤ To determine the per cent contribution from the applied nutrient in terms of the fertilisers to the total uptake (CF) ➤ To determine the per cent contribution from the applied nutrient in terms of manure to the total uptake 		
	(b) Practical utility	<p>In the absence of any validated STCR relationships, soil testing laboratories use general fertilizer recommendations for deriving the soil test based fertiliser recommendations by increasing or decreasing the recommendation based on the content of available nutrients in the soil. If soil test values and the efficiency of uptake from applied fertilizer nutrients are available, a valid STCR relationship considers that a definite quantity of nutrients must be taken up by the plants for obtaining a given targeted yield and can this estimate the amount of nutrients that are needed to be applied through fertilizers for the desired targeted yield. With validated STCR relationships, soil testing laboratories of the region will be better equipped to recommend precise fertilizer doses for the respective crops.</p>		
	(c) Monitorable targets	Progress report shall be submitted as and when mandated.		
	(d) Expected outcome	<ul style="list-style-type: none"> ➤ Verification of STCR relationships for prominent crops in a phased manner. ➤ Need based modification of the STCR relationships. ➤ Validation of the modified relationships 		
9.	Technical programme:	Year I:		

	(Year wise)	<p>(a) Site selection for experiments after preliminary soil testing.</p> <p>(b) Field experiments involving equation verification trials at each location as per annexure I and II.</p> <p>(c) Soil and plant analysis</p> <p>(d) Validation of the results</p> <p>Year II:</p> <p>(a) Field experiments involving equation verification trials at each location as per annexure I.</p> <p>(b) Soil and plant analysis</p> <p>(c) Validation of the results and identification of non performing equations (unfit)</p> <p>Year III:</p> <p>(a) Field experiments involving verification trials for modified equations at the locations where the equation did not fit well</p> <p>(b) Soil and plant analysis</p> <p>(c) Validation of the results and identification of non performing equations (unfit)</p> <p>Work for subsequent years shall be proposed based on the results of the initial years.</p>
10.	Date of start:	<i>Kharif</i> 2017 / Rabi- 2018
11.	Likely date of completion:	NA (equation development, validation and refinement has to a continuous process)
12.	Estimated man month:	
	Scientific	
	Technical	
	Supporting	
13.	Facilities required:	
	(i) Land	KVK Katihar Farm
	(ii) Works: (Civil/Electrical)	Civil
	(iii) Labourer:	One
	(iv) Special equipment:	No
	(v.) Animal sheds:	No
	(vi) Fish pond:	No
	(vii) Foreign exchange:	No
(viii) Other items:	No	
14.	If financed by an organisation other than institute give the following information:	
	(i.) Name of the financing institute:	N.A.
	(ii.) Title of the program:	N.A.
	(iii.) If the program is a part of the larger program, explain:	N.A.

15.	Approximate Budget:	Rs 75,00,000 /- per annum @ Rs. 1,00,000/-per trial per location per season. Therefore, Rs.10000/- in Kharif 2017 and Rs.10000/- in Rabi for KVK Katihar
	(a.)Salary of the Technical Staff: (Supporting staff)	
	(b.) Contingencies:	
	(c.) Equipments:	
	(d.)PoL:	
16.	Signature of the Project Leader and associates:	
17.	Signature of the Chairman of the Department:	
18.	Signature of the Unit Head	

Annexure II: Experimental details

Experimental design: RBD

No of replications: 3

No of treatments: 9

T1: General Fertilizer Recommendation

T2: Farmers' practice

T3: STCR with IPNS for a low target yield

T4: STCR with IPNS for a medium target yield

T5: STCR with IPNS for a high target yield

T6: STCR without IPNS for a low target yield

T7: STCR without IPNS for a medium target yield

T8: STCR without IPNS for a high target yield

T9: Absolute control

Note:

- (1) The experiments involving a particular crop in any agro-climatic zone should preferably be conducted on soils of almost similar texture.
- (2) Treatments T₃ to T₈ might involve up to three different equations, making the total no of treatments to either 9, 15 or 21.

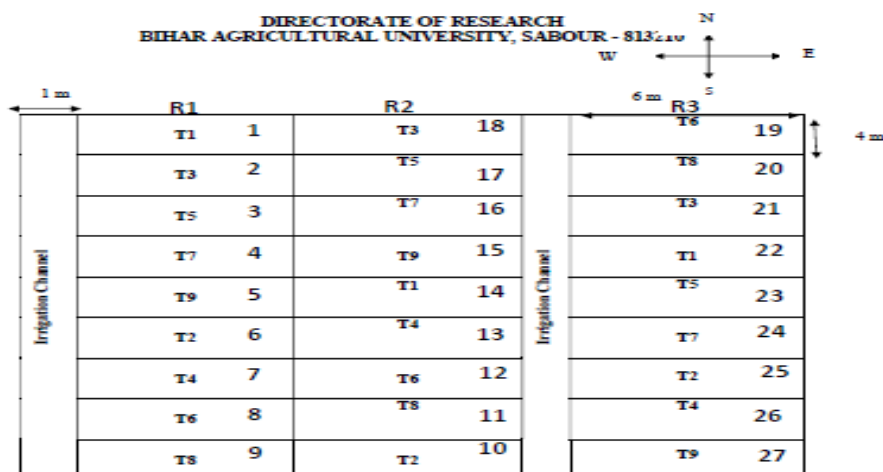


Figure: Proposed layout plan of the experiments.

Fertilizer Calculation conducted in KVK Katihar STCR Trial for rice (Variety - R. Sweta)

Fertilizer nutrients (kg/ha)	N	P2O5	K2O	S Av-N (kg/ha)	S Av-P2O5 (kg/ha)	S Av-K2O (kg/ha)	Mo P (g/plot)	SSP (g/plot)	Urea - basal (g/plot)	Urea TD @25-30 DAT (g/plot)	Urea TD @55-60 DAT (g/plot)
T1: General Fertilizer Recommendation	100	40	20	175.61	38.24	125.55	80	600	174	174	174
T2: Farmers' practice	130	30	10	175.61	38.24	125.55	40	450	226	226	226
T3: STCR with IPNS for a low target yield	54.49	-35.89	7.37	175.61	38.24	125.55	29	538	95	95	95
T4: STCR with IPNS for a medium target yield	107.99	-21.29	24.67	175.61	38.24	125.55	99	319	188	188	188
T5: STCR with IPNS for a high target yield	161.49	-6.69	41.97	175.61	38.24	125.55	168	100	281	281	281
T6: STCR without IPNS for a low target yield	92.86	-14.93	19.44	175.61	38.24	125.55	78	224	161	161	161
T7: STCR without IPNS for a medium target yield	141.96	12.47	42.24	175.61	38.24	125.55	169	187	247	247	247
T8: STCR without IPNS for a high target yield	191.06	39.87	65.04	175.61	38.24	125.55	260	598	332	332	332
T9: Absolute control	0	0	0	175.61	38.24	125.55	0	0	0	0	0

Plots where organic manures need to be applied

T3

T4

T5

Rate of om application (t/ha)

10Quantity of organic manure to be applied (kg/plot) **24**

24 kg of organic manure has to be applied on

a dry wt basis in all plots under

T3, T4 and T5

Plots where zinc sulphate is to be applied

All

Rate of zinc sulphate

application kg/ha)

Quantity of zinc sulphate to be applied (g/plot)

60 g of zinc sulphate has to be applied on

a dry wt basis in all plots

including control

Results:**Table: Growth and yield attributes of rice under STCR Project (Kharif 2017)**

	Plot No	Replication	Treatments	No of tillers/hill	Plant Height (cm)		No of tillers/hill		Plant Height (cm)	No of tillers/m ²	No of tillers/m ² at Plant stages	No of panicle/m ² (before harvest)	Length of Panicles (cm) (Randomly 10 panicles)	No of grains / panicle (at harvest stage)	Test weight (g) (at harvest stage)	Grain yield (kg /ha) (plot 3.2 m x 5.2 m)	Straw yield (kg /ha) (plot 3.2 m x 5.2 m)	Harvest Index (HI) (Calculation)
					45 DAT (26.08.2017)	90 DAT (10.10.2017)	AT Harvest (01.11.2017)											
T1: General Fertilizer Recommendation	1	R1	T1	1	69.9	9.80	11.45	10.03	111.27	10.2	24.08	199.84	24.26	18.72	14.22	53.21	58.21	0.48
T2: Farmers' practice	2		T2	1	86.6	8.60	11.87	11.01	114.72	11.2	24.4	200.00	22.23	17.71	13.60	48.20	53.27	0.47
T3: STCR with IPNS for a low target yield	3		T3	1	55.6	9.80	10.83	11.17	102.67	11.5	24.6	203.00	24.76	20.36	13.19	54.52	59.28	0.48
T4: STCR with IPNS for a medium target yield	4		T4	1	64.2	12.33	11.68	14.32	114.54	14.3	24.2	204.00	26.28	21.17	14.60	63.07	67.00	0.48
T5: STCR with IPNS for a high target yield	5		T5	1	83.2	14.60	11.92	15.84	118.29	16.2	25.8	205.26	28.21	23.14	15.12	71.82	74.84	0.49
T6: STCR without IPNS for a low target yield	6		T6	1	77.4	7.80	11.16	902.5	108.26	9.21	20.5	171.28	24.67	20.15	13.97	48.23	53.28	0.48
T7: STCR without IPNS for a medium target yield	7		T7	1	72.3	8.40	11.63	12.11	114.26	12.4	24.6	202.00	25.17	20.48	14.02	58.00	62.35	0.48
T8: STCR without IPNS for a high target yield	8		T8	1	76.3	12.40	11.83	15.14	116.25	15.3	25.4	208.00	26.57	22.62	14.36	67.50	69.27	0.49
T9: Absolute control	9		T9	1	60.0	4.00	98.36	6.02	92.36	7.23	13.3	109.40	19.21	16.32	14.63	26.12	30.28	0.46
T1: General Fertilizer Recommendation	10	R2	T1	1	68.4	8.00	10.92	9.64	102.38	10.3	24.6	202.92	20.43	19.22	14.60	56.96	61.28	0.48
T2: Farmers' practice	11		T2	1	88.4	7.00	11.43	8.32	111.34	9.00	20.3	165.40	21.62	17.82	13.48	39.75	45.55	0.47
T3: STCR with IPNS for a low target yield	12		T3	1	72.8	8.10	11.03	9.87	107.06	10.2	24.8	199.28	22.18	20.52	13.70	56.03	61.28	0.48
T4: STCR with IPNS for a medium target yield	13		T4	1	78.0	11.21	11.82	11.43	111.28	12.4	25.3	205.00	25.59	21.82	14.59	65.28	71.05	0.48
T5: STCR with IPNS for a high target yield	14		T5	1	84.6	12.36	11.85	12.95	113.04	14.2	24.8	211.00	27.29	22.82	15.02	72.32	75.18	0.49
T6: STCR without IPNS for a low target yield	15		T6	1	65.0	8.54	11.23	9.37	108.93	10.1	24.8	196.48	24.17	20.43	14.80	59.41	64.50	0.48

T7: STCR without IPNS for a medium target yield	1 6		T7	1	74 .9 2	10 .8 0	11 7.4 5	12.0 3	114.2 3	12 .6 2	25 5.7 2	205. 00	25.2 2	20 6.4 1	13. 86	58. 65	63. 05	0.48
T8: STCR without IPNS for a high target yield	1 7		T8	1	81 .2 5	11 .3 8	12 0.2 1	13.2 6	117.8 9	14 .6 1	25 2.2 5	204. 00	28.3 1	21 8.2 7	14. 73	65. 59	68. 50	0.49
T9: Absolute control	1 8		T9	1	54 .3 3	4. 67	10 1.2 4	7.05	98.34	7. 56	9.2 4	125. 08	17.2 6	17 0.4 3	13. 99	29. 82	36. 20	0.45
T1: General Fertilizer Recommendation	1 9	R3	T1	1	70 .6 0	13 .0 0	10 7.2 4	14.0 2	102.3 2	14 .2 5	23 6.7 3	204. 00	21.2 7	18 8.9 1	14. 87	57. 31	62. 40	0.48
T2: Farmers' practice	2 0		T2	1	82 .2 0	8. 40	11 2.3 5	10.3 2	110.2 3	11 .7 2	23 9.2 1	187. 00	22.6 5	18 4.2 3	13. 89	47. 85	54. 25	0.47
T3: STCR with IPNS for a low target yield	2 1		T3	1	67 .0 0	7. 80	11 1.2 4	9.56	108.2 6	10 .2 6	24 8.2 5	200. 68	24.6 7	20 2.3 2	14. 94	60. 66	65. 00	0.48
T4: STCR with IPNS for a medium target yield	2 2		T4	1	72 .4 6	9. 80	11 7.2 8	10.7 3	115.7 3	11 .2 8	25 2.2 8	209. 00	25.7 1	22 3.0 6	15. 02	70. 02	75. 51	0.48
T5: STCR with IPNS for a high target yield	2 3		T5	1	88 .2 1	11 .0 0	11 9.5 6	14.7 3	114.3 7	15 .3 7	26 1.2 5	216. 00	29.1 1	23 2.7 1	15. 14	76. 10	79. 51	0.49
T6: STCR without IPNS for a low target yield	2 4		T6	1	69 .0 0	10 .2 6	11 0.2 5	10.0 2	108.2 7	11 .4 4	24 8.5 5	202. 00	23.8 3	20 8.3 1	14. 65	61. 65	67. 25	0.48
T7: STCR without IPNS for a medium target yield	2 5		T7	1	72 .1 9	10 .8 0	11 6.0 0	11.4 5	114.0 2	12 .4 2	24 2.3 7	204. 00	25.2 8	20 9.0 7	14. 92	63. 63	68. 21	0.48
T8: STCR without IPNS for a high target yield	2 6		T8	1	82 .4 0	12 .0 0	11 8.3 1	13.3 9	116.2 9	14 .7 9	25 5.1 8	206. 00	27.8 4	22 2.0 1	15. 64	71. 53	75. 05	0.49
T9: Absolute control	2 7		T9	1	61 .6 7	7. 02	10 5.8 5	8.23	104.2 3	9. 23	16 2.2 9	128. 00	18.2 6	16 5.1 5	14. 02	29. 64	36. 20	0.45

Table: Fertilizer recommendation for Rabi Maize (2017-18) under STCR project at KVK, Katihar (Rabi 2017)

Treatments	MoP (g/plot)	SSP (g/plot)	Urea - basal (g/plot)	Urea TD @ knee high stage (30 -35 DAP)(g/plot)	Urea TD at tasseling (85-90 DAP) (g/plot)
T1: General Fertilizer Recommendation	200	1125	261	261	261
T2: Farmers' practice	200	900	348	348	348
T3: STCR with IPNS for a low target yield	15*	-392*	79	79	79
T4: STCR with IPNS for a medium target yield	47	-340*	136	136	136
T5: STCR with IPNS for a high target yield	102	-288*	210	210	210
T6: STCR without IPNS for a low target yield	27*	1260	157	157	157
T7: STCR without IPNS for a medium target yield	82	1575	219	219	219
T8: STCR without IPNS for a high target yield	134	1890	285	285	285
T9: Absolute control	0	0	0	0	0

*A minimum maintenance dose of 30 kg N, 15 kg P₂O₅ and 10 kg K₂O per ha is required if the soil test value is high. This translates into a dose of 40 g MoP, 225 g SSP and 52 g Urea as basal, at knee high stage and at tasseling stage

Results: Awaited (Maize)

Bihar Skill Development Mission

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1.	Gardener (Bihar Skill Development Mission)	01.12.2017 to 29.01.2018	Krishi Vigyan Kendra, Katihar	Skill for Gardener	30

S.No	Aadhar Number	Name	Date Of Birth	Candidate ID
1	697190920170	ABDUL MALEK	05/03/1988	12660
2	272400804911	BIKASH KUMAR	09/12/1996	12719
3	380443032925	BITTU KUMAR	18/01/1996	12860
4	233568834215	BRAMESHWAR NATH SINGH	05/04/1993	12868
5	879966627445	CORNELIUS HEMBROM	26/08/1989	12876
6	757601082944	GAUTAM KUMAR	20/12/1985	12889
7	344919323561	HARI OM KUMAR	05/03/1993	12898
8	663396618479	JADU HEMBRAM	02/06/1992	12908
9	763196009314	KAVITA KUMARI	01/01/1986	12920
10	247644342799	MD AFROZ	29/01/1990	12927
11	298641892736	MD. SAIF ALAM	11/01/1998	12967
12	711244412406	MD. SHAHNAWAZ ALAM	05/09/1996	12976
13	775634150012	MD. SHAH ALAM	03/02/1988	12984
14	980356583211	MD. MAHBUB ALAM	10/01/1994	12994
15	327629249205	MD. MUMTAZ ALAM	01/05/1993	13003
16	627890537624	MD. MOKIM	10/08/1998	13010
17	230824664066	MD. SAUDAGAR	27/10/1999	13016
18	202423561984	PAWAN KUMAR	07/06/1994	13020
19	521209227499	PRAN KUMAR CHOUDHARY	05/01/1990	13054
20	740284686163	PRITAM KUMAR	12/11/1995	13057
21	671222895848	RAJ KUMAR SAH	15/11/1994	13059
22	795844217298	RAJESH KUMAR KUSHWAHA	02/11/1991	13061
23	344106931692	RAVIKANT BHARTI	16/04/1994	13064
24	331739812210	RISHI KANT SINGH	10/06/1990	13068
25	910126243662	SAMUEL MARANDI	10/01/1990	13069
26	264035704048	SANJEEV KUMAR YADAV	02/03/1983	13071
27	982802054043	SONU KUMAR	08/03/1999	13085
28	315761297674	SUBODH KUMAR	12/02/1996	13088
29	555861106461	VIKKY KUMAR YADAV	12/02/1994	13089
30	334622812674	ZAMRUL HAQUE	10/04/1994	13092

Kisan Club

Name of Village	Name of Block	Name of Kisan Club	No. of farmer
Sirsa	Katihari	Lakshmi Kisan Club	11
Lahsa	Mansahi	Jagriti Kisan Club	11
Kheriya	Korha	Pragatishil Kisan Club	11
Bhermara	Mansahi	Abhinav Kisan Club	14
Hardar	Balrampur	Bharat Kisan Club	11
Fulhara	Mansahi	Simanchal Kisan Club	16
Mujwar	Manihari	Unnat Kisan Club	20
