ANNUAL REPORT 2021

(1st January-31st December 2021)

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			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 Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	**Mobile**	**Email**
Dr. Reeta Singh	KVK, Katihar	9931312288	katiharkvk@gmail.com

1.4. Year of sanction of KVK: F.No. 4-4/95/AE-1 Dated27th Feb 2004.

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Reeta Singh	Sr. Scientist & head	Extension Education	Level -13 A / 139400	09.07.2021	Permanent	OBC
2	Subject Matter Specialist	Smt. Nandita Kumari	Subject Matter Specialist	Home Science	Level- 10	23.07.2001	Permanent	EBC
3	Subject Matter Specialist	Dr. Kamleshwari Prasad Singh	Subject Matter Specialist	Horticulture	Level- 10 / 70900	10.06.2009	Permanent	OBC
4	Subject Matter Specialist	Dr. Sushil Kumar Singh	Subject Matter Specialist	Agronomy	Level- 10 / 79800	15.06.2009	Permanent	OBC
5	Subject Matter Specialist	Sri Pankaj Kumar	Subject Matter Specialist	Extension Education	Level- 10/ 79800	16.11.2009	Permanent	EBC
6	Subject Matter Specialist							
7	Subject Matter Specialist							
8	Programme Assistant	Smt Swarn Prabha Reddy	Programme Assistant (Lab. Tech)	B. Sc. (Ag)	Level -6/ 46200	30.10.2012	Permanent	OBC
9	Computer Programmer	Sri Amarendra Kumar Vikas	Programme Assistant (Computer)	M.Sc. (IT)	Level -6/ 44900	13.05.2013	Permanent	Gen
10	Farm Manager	Sri Om Prakash Bharti	Farm Manager	B.Sc. (Ag)	Level -6/ 46200	05.11.2012	Permanent	EBC
11	Accountant / Superintendent	Sri Mukesh Kumar	Assistant	M.B.A. (Finance)	Level -6/ 44900	09.04.2013	Permanent	EBC
12	Stenographer	Sri Biswajit Datta	Stenographer	B.Sc. (Chemistry)	Level -4/ 32300	21.06.2013	Permanent	Gen
13.	Driver	Sri Ram Jee	Driver	Matric	Level -2/ 26800	09.05.2015	Permanent	OBC
14.	Driver	Sri Manoj Kumar Prajapati	Driver	Matric	Level -2/ 26800	12.05.2015	Permanent	Gen
15.	Supporting staff							
16.	Supporting staff							

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	4.50
4.	Orchard/Agro-forestry	1.2
5.	Others with details	12.3
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 use	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								
11.	Goatry unit					✓	24	Under use	ICAR
12.	Mushroom Lab					✓	150	Under use	ICAR
13.	Mushroom production unit					✓	25	Under use	ICAR
14.	Shade house					✓	84	Under use	ICAR
15.	Soil test Lab					✓	147	Under use	ICAR
16	Others,Please Specify								
	Vermi Compost Unit					✓	28	Under use	RKVY
	Azolla unit					✓	02	Under use	RKVY

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs. In lakh)	Total km. Run	Present status
Bolero (BR 39AP2391)	2019	8.00	13467	Good Condition
Tractor (BR 39A 8220)	2005	5.00	206 Hours	Not in good condition
Tractor(BR 39GA 9228)	2020	9.90	140 hours	Good Condition
Motor cycle (BR39R 4065)	2015	0.60	0274	Good Condition
Motor Cycle (BR39R 4066)	2015	0.60	1842	Good Condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
A. Lab equipment				
SPM 509 stabilizer 5KVA	2017	12495/-	Good	RKVY
Bio Metric Machine	2017	5000/-	Good	BSDM
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/-	Good	ICAR
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
Desiccated with Apx-1D200 mm	2014	12730/-	Good	ICAR
Desiccatedevaporators flat Bottle ML	2014	1920/-	Good	ICAR
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
Crrasibal 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.
Khurpi	2017	280/-	Good	BSDM Prog.
Watering can, 10 litres	2017	967/-	Good	BSDM Prog.
Grass cutter	2017	7616/-	Good	BSDM Prog.
Lown Mover	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 prunner(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 Winnower	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
LED TV Panasonic Model-TH-32C 200DX	2018	27200	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

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

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	29.07.2021	48	As given below	As given below	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

आज दिनांक **29.07.2021** को कृषि विज्ञान केन्द्र, कटिहार के प्रशिक्षण कक्ष में डॉ आर.एन. सिंह, सह निदेशक प्रसार शिक्षा, बिहार कृषि विश्वविद्यालय, सबौर की अध्यक्षता में वैज्ञानिक सलाहकार समिति की **12वीं** बैठक सम्पन्न हुआ। उक्त बैठक में निम्न पदाधिकारीगण, नामित कृषक तथा अन्य उपस्थित थे।

डॉ. आर. एन. सिंह, सह निदेषक प्रसार षिक्षा, बिहार कृषि विष्वविद्यालय, सबौर
डॉ. पारसनाथ, सह अधिष्ठाता–सह–प्राचार्य, भो.पा.शा.कृषि महाविद्यालय, पूर्णियाँ
डॉ. रीता सिंह, वरीय वैज्ञानिक एवं प्रधान, कृषि विज्ञान केन्द्र, कटिहार
डॉ. वी. के. मिश्रा, प्रभारी पदाधिकारी, जूट अनुसंधान केन्द्र, कटिहार
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श्री जितेन्द्र कुमार, परियोजना निदेषक, आत्मा, कटिहार
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डॉ. विनय कुमार, कनीय वैज्ञानिक, पाट अनुसंधान केन्द्र, कटिहार
जी.एम.डी.के., कटिहार
श्रीमति श्वेता राय, प्रतिनिधि, किसान संसार एग्रो प्रोडक्सन कम्पनी
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श्री ओमप्रकाष भारती, प्रक्षेत्र प्रबंधक, कृ.वि.केन्द्र, कटिहार
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श्री विष्वजीत दत्ता, स्टेनो, कृ.वि.केन्द्र, कटिहार

श्री अतुल सिंह, प्रगतिषील किसान
श्री किषुन ऋषि, प्रगतिषील किसान
श्रीमति शांति देवी, प्रगतिषील किसान
श्री मंगल सिंह, प्रगतिषील किसान
श्री संजय कुमार सिंह, प्रगतिषील किसान
श्री अभिषेक कुमार, प्रगतिषील किसान
श्री नरेष महतो, प्रगतिषील किसान
श्री राजेष लाल कर्ण, बी.ए.ओ., कटिहार
श्री विवेक सिंह, प्रगतिषील किसान
श्री कुमार प्रिंस पटेल, प्रगतिषील किसान
श्री नीरज कुमार मंडल, औद्योगिक प्रसार पदाधिकारी, कटिहार
श्री मनोज यादव, बिसा, कटिहार
श्री रोहित जयसवाल, टी.ए. बिसा, कटिहार
श्री धनंजय कुमार, एस.एफ.ए., ईफको
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श्रीमती शांति जयसवाल, प्रगतिषील किसान
श्री अजय कुमार चौहान, प्रगतिषील किसान
श्री कुमार सत्येन्द्र सिंह, प्रगतिषील किसान
श्री बालेष्वर प्रसाद सिंह, प्रगतिषील किसान
श्री राजु कुमार, यंग प्रोफेषनल–।।
सुश्री प्रियंका कुमारी, यंग प्रोफेषनल–।।
सुश्री ममता कुमारी, ऑब्जरवर (जी.केएम.एस.)

(उपस्थिति पंजी में संधारित)

1. वैज्ञानिक सलाहकार समिति की बैठक के कार्यवाही की संपुष्टि करने का निर्देष डॉ आर.एन. सिंह, सह निदेशक प्रसार शिक्षा, बिहार कृषि विश्वविद्यालय, सबौर के द्वारा दिया गया।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान)

2. वैज्ञानिक सलाहकार समिति बैठक की कार्यवाही की प्रति निदेषक प्रसार षिक्षा, बिहार कृषि विष्वविद्यालय, सबौर, भागलपुर को उपलब्ध कराया जाय, साथ हीं इसकी एक प्रति अटारी, पटना को प्रेषित की जाय।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान)

3. डॉ. कमलेष्वरी प्र0 सिंह, विषय वस्तु विषेषज्ञ (उद्यान) को अनुपस्थित रहने के लिए कारण बताओं नोटिस दिया जाय।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान)

4. अग्रिम पंक्ति प्रत्यक्षण (FLD), किसानों प्रक्षेत्र पर परीक्षण (OFT), कलस्टर अग्रिम पंक्ति प्रत्यक्षण (CFLD) तथा संचालित परियोजनाओं (बायोटेक किसान हब, जलवायु अनुकूल कृषि कार्यक्रम, मखाना विकास परियोजना, ग्रामीण कृषि मौसम सेवा) की डाटाबेस किसानों को ध्यान में रखकर प्रस्तुतिकरण रिपोर्ट बनाया जाय।

(अनुपालन–सभी वैज्ञानिकगण)

5. मषरूम कृषकों के लिए मिल्की व्हाईट एवं बटन मषरूम को भी प्रोत्साहित किया जाय।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान एवं वैज्ञानिकगण)

6. मौसम अनुकूल खेती कार्यक्रम के फसल चक्र में जूट एवं मखाना को शामिल किया जाय।

(अनुपालन–वि.व.वि. (मृदा) एवं वि.व.वि. (शस्य))

7. पत्र का संदर्भ कार्यवाही प्रतिवेदन में उल्लेखित किया जाय।

(अनुपालन–सभी वैज्ञानिकगण)

8. कृषि विज्ञान केन्द्र के प्रक्षेत्र, कृषकों के प्रक्षेत्र पर परीक्षण तथा अग्रिम पंक्ति प्रत्यक्षण में विष्वविद्यालय के प्रभेदों को वरीयता दी जाय।

(अनुपालन–सभी वैज्ञानिकगण)

9. कृषि विज्ञान केन्द्र के द्वारा संचालित की जा रही विभिन्न परियोजनाओं के अन्तर्गत फसलों से संबंधित उपज परिणाम, जिला के संबंधित विभागों को उपलब्ध कराया जाय।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान एवं वैज्ञानिकगण)

10. वर्चुअल मोड में संचालित होने वाले ई–चौपाल में कटिहार के किसानों की सहभागिता पर डाटाबेस बनाया जाय।

(अनुपालन–सभी वैज्ञानिकगण)

11. सबौर मखाना–1 किस्म के Adoptionपर काम किया जाय।

(अनुपालन– वि.व.वि. (प्रसार शिक्षा))

12. मौसम अनुकूल खेती कार्यक्रम में यांत्रिकरण को प्रोत्साहित किया जाय।

(अनुपालन–वि.व.वि. (मृदा) एवंवि.व.वि. (शस्य))

13. वेस्ट डिकम्पोजर द्वारा फसल अवषेष प्रबंधन पर पुनः विचार करके कार्य किया जाय।

(अनुपालन–वि.व.वि. (मृदा)

14. समेकित कृषि प्रणाली की स्थापना हेतु अभियंता, भोला पासवान शास्त्री कृषि महाविद्यालय, पूर्णियां को पत्र भेजवाकर कार्य को अविलम्ब प्रारंभ कराने हेतु प्रयास किया जाय।

(अनुपालन– वरीय वैज्ञानिक एवं प्रधान)

15. अग्रिम पंक्ति प्रत्यक्षण में धान, गेहूं, मक्का की जगह दूसरे फसलों को वरीयता दी जाय, क्योंकि जलवायु अनुकूल खेती कार्यक्रम में उपरोक्त फसल शामिल है।

(अनुपालन– सभी वैज्ञानिकगण)

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

<table>
<tr><th>S.N.</th><th>Item</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>1. Paddy- wheat
2. Paddy-Wheat-green gram
3. Jute- Mustard
4. Paddy-Maize
5. Mustard- Makhana
6. Paddy- Mustard- Boro paddy
7. Fish Culture
8. Bamboo Production & Processing
9. Mushroom Production& its Value added products
10. Makhana Cultivation and primary processing
11. Poultry production
12. Vermi Compost production
13. Tissue Culture Banana</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>Zone-II (North – East Alluvial Plain) High Temperature, High Humidity, Sandy to clay soil, Flood Prone area</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>Up land sandy soil: Suitable for maize, wheat, Banana, vegetables & fruits
Medium Sandy loam soil: Wheat, Maize, Jute, Rice, Oil seeds, pulses, vegetable & fruits cultivation
Low lying clay soil: Flood & water lodging condition Suitable for Boro paddy, Makhana & para cropping Diara land of Kosi, Ganga and Mahananda with sandy soil.
Loamy soil : Suitable for Rabi Maize, wheat, oil seeds pulses & cucurbitaceous vegetable flooded during Kharif Season</td></tr>
<tr><td>4</td><td>Soil type</td><td>Up land sandy soil-
Suitable for vegetables wheat, maize, Banana
Medium Loamy Soil–
Well drained rich in organic carbon suited for wheat, Maize, oil seeds, pulses & vegetables
Low lying clay soils–
Suitable for Makhana, Boro paddy & fishery
New alluvial diara land soil–
Deposition of clay soil year after year good for Rabi crops.</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>
<table>
<tr><th>Name of Crops</th><th>Productivity(q/ha)</th></tr>
<tr><td>Rice</td><td>41.00</td></tr>
<tr><td>Maize</td><td>72.00</td></tr>
<tr><td>Wheat</td><td>33.00</td></tr>
<tr><td>Mustard</td><td>12.00</td></tr>
<tr><td>Makhana</td><td>20.00</td></tr>
<tr><td>Pulses (others) (lentil)</td><td>10.80</td></tr>
<tr><td>Potato</td><td>535.36</td></tr>
<tr><td>Okra</td><td>200.79</td></tr>
<tr><td>Jute (Fibre)</td><td>22.0</td></tr>
<tr><td>Cauliflower</td><td>250.69</td></tr>
<tr><td>Brinjal</td><td>600.80</td></tr>
<tr><td>Banana</td><td>352.00</td></tr>
</table>
</td></tr>
</table>

Tomato	315.79
Cabbage	289.90
Chili	21.60
Mango	103.90
Guava	114.00
Lichi	150.58
Onion	400.86

6 Mean yearly temperature, rainfall, humidity of the district

Month	Temperature (^{0}C)		Rainfall (mm)	Relative Humidity (%)	
	Max	Min		Max	Min
Jan, 2021	20	10	0	68	40
Feb, 2021	26	12	0	61	30
March, 2021	31	16	0	52	25
April, 2021	35	20	0	49	19
May,2021	36	23	352.1	71	35
June, 2021	33	26	307.25	78	45
July, 2021	31	27	227.36	85	61
August, 2021	33	26	297.84	81	56
Sept, 2021	32	25	47.60	83	58
Oct, 2021	32	24	195.41	78	50
Nov, 2021	29	17	0.0	55	30
Dec, 2021	24	13	4.8	57	30

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

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 (2021)

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	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.		Korha	Rautara	Maize, Paddy, Wheat, Makhana	Lack of high yielding variety, pest & diseases control, INM	Varietal Improvement, Promotion of IPM Practices Promotion of INM Practices
4.		Korha	Baharkhal	Paddy,Potato Oil Seeds,Pulse Maize,Wheat	Lack of high yielding variety,pest & diseases control, INM	Varietal Improvement, Promotion of IPM Practices Promotion of INM Practices,CRA

2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Baharkhal	Korha	CRA activities Organise Krishak Gosthi Organise Soil Health Camp Organise Training Programmes
Sirsa	Katihar	Organise Krishak Gosthi Organise Training Programmes FLD
Rautara	Korha	Organise Training Programmes FLD OFT
Musapur	Korha	CRA activities Organise Krishak Gosthi Organise Training Programmes FLD

2.1 Priority thrust areas

S. No	Thrust area
1	Promotion of Banana, Makhana based farming system and jute cultivation.
2	Development of Suitable cropping system for diara, tal land of the district
3	Women empowerment through mushroom production and value adition of agricultural products
4	Drudgery reduction of farm women
5	Promotion of Entrepreneurship development
6	Promotion of FPOs
7	Promotion of Organic Farming
8	Promotion of Climate Resillent Agriculture (CRA)
9	Popularization of Agro advisory services regarding different crops
10	Nutrition management in crops
11	Promotion and adoption of Integrated farming system
12	Popularization of good quality vegetable seeds
13	Technology dissemination through production and supply of plant and seed materials
14	Market linkage of crops

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	300	12	05	22	09	271	018	305	032	337	10	10	115	09	04	18	05	76	06	103	015	118

Training											Extension Activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
150	**188**	**3750**	346	331	222	229	2904	1291	3472	1921	5393	2000	2445	13000	410	260	195	333	13724	2913	14329	3506	17835

Impact of capacity building										Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
300	307	9	3	12	2	103	7	124	12	136	13000	17835	62	22	26	13	1237	275	1325	310	1635

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
125	143	0.50	0.663
Livestock strains and fish fingerlings produced (in lakh)*		**Soil, water, plant, manures samples tested (in lakh)**	
Target	Achievement	Target	Achievement
00	00	600	756

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	00	00	00	00	00	00	00
Seminar/conference/ symposia papers	00	00	00	00	00	00	00
Books	00	00	00	00	00	00	00
Bulletins	01	500	00	00	00	00	00
News letter	04	4000	00	00	00	00	00
Popular Articles	11	470	00	00	00	00	00
Book Chapter	00	00	00	00	00	00	00
Extension Pamphlets/ literature	01	1000	00	00	00	00	00
Technical reports	00	00	00	00	00	00	00
Electronic Publication (CD/DVD etc)	00	00	00	00	00	00	00
TOTAL	17	5970	00	00	00	00	00

3.1 Achievements of On Farm Trial

OFT- (Agronomy)

1.	**Title of On farm Trial**	Management of Fall Army worm (*Spodoptera frugiperda*) in maize
2.	**Problem diagnosed**	Fall army worm is the most dreaded invasive insect pest associated with maize. It causes heavy loses upto 80 percent. Sometimes their infestation is so high that farmers don't get return even whatever they spend on seeds .Therefore it is needed for management of Fall army worm
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	TO_1 **:** Farmers Practice (Application of cabofuron) TO_2 **:** (i) Application of sand (After whorl formation and at 5 % damage symptoms) (ii) Spraying Emamectine benzoate5 SG @0.4 g/l of water at 5 days after application of sand (iii) Spraying Thiamethaoxam 12.6 % + Lambdacyhalothrine 9.5% @ 0.5 ml/l at 15 days after 1st spray TO_3: (i) Application of soil (After whorl formation and at 5 % damage symptoms) (ii) Spraying Fipronil 5 SC @ 1.0 ml/l of water at 5 days after application of soil (iii) Spraying spinosad @ 0.2 ml/l at 15 days after 1st spray
4.	**Design**	RBD
5.	**No. of replication**	10
6.	**Source of Technology**	BAU, Sabour
7.	**Production system and thematic area**	Paddy-Maize-Greengram and ICM
8	**Performance of the Technology with performance indicators**	Insect incidence (%), grain yield (q/ha), gross income (Rs./ha)net income (Rs./ha), B:C ratio
9	**Final recommendation for micro level situation**	TO_2 : (i) Application of sand (After whorl formation and at 5 % damage symptoms) (ii) Spraying Emamectine benzoate5 SG @0.4 g/l of water at 5 days after application of sand (iii) Spraying Thiamethaoxam 12.6 % + Lambdacyhalothrine 9.5% @ 0.5 ml/l at 15 days after 1st spray

Results:

Table-1: Effect of different treatments on disease incidence, grain yield

Treatment	Larval Population(Percentage/ Sq mt)			Grain yield (q/ha)
	1DBT	5DAT	9DAT	
TO_1	42.5	16.0	14.0	68.84
TO_2	41.6	7.55	2.8	84.28
TO_3	40.0	11.3	7.9	81.76
CD (p=0.05)	0.24	1.17	1.15	5.72

Table-2: Effect of different treatments on grain yield and Economics of maize

Treatment	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
TO_1	75724	40274	2.13
TO_2	92798	55808	2.51
TO_3	89936	52836	2.42

Conclusion:

From above result it is found that application of sand in initial stage (after whorl formation and at 5% damage symptoms) and spraying of Emamectine benzoate 5 SG @0.4 g/l of water at 5 days after it and after 15 days spraying of Thiamethaoxam 12.6 % + Lambdacyhalothrine resulted in higher grain yield (84.28 q/ha), net return (Rs.55808/ha) and B:C ratio (2.51) as compared to other treatment.

OFT- (Agronomy)

1.	**Title of On farm Trial**	**To assess the mitigation of cold injury of Boro Paddy in nursery**
2.	**Problem diagnosed**	Cold injury of Boro Paddy in nursery limiting the yield potential due to low germination, slow growth, leaf yellowing and stunted growth
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	**TO_1**: Farmers Practice (No efforts for preventing cold injury in nursery) **TO_2**: Recommended dose of N & K (1.0 kg N & 1.0 kgK_2O/ 100m^2area) + double dose of P_2O_5 (2.0 kg P_2O_5/100 m^2 area) **TO_3** : TO_2 + irrigating nursery in morning and let out water in evening
4.	**Design**	RBD
5.	**No. of replication**	10
6.	**Source of Technology**	A.N.G.R.A.U, Hyderabad
7.	**Production system and thematic area**	Jute- Mustard -paddy and Nursery management
8.	**Performance of the Technology with performance indicators**	Root length(cm), shoot length (cm), seedling height (cm) at 15 and 30 days after sowing
9.	**Final recommendation for micro level situation**	TO_2- Recommended dose of N & K (1.0 kg N & 1.0 kg K_2O/100m^2 area) + double dose of P_2O_5 (2.0 kg P_2O_5/100 m^2 area + irrigating nursery in morning and let out water in evening)

Results:

Table-1: Effect of different treatments on root length, shoot length, and seedling height at 15 DAS

Treatment	Root length (cm)	Shoot length (cm)	Seedling height (cm)
TO_1	1.33	3.72	5.11
TO_2	3.26	6.28	5.82
TO_3	4.54	8.13	10.03
CD (p=0.05)	0.46	1.03	1.27

Table-2 : Effect of different treatments on root length, shoot length, and seedling height at 30 DAS

Treatment	Root length (cm)	Shoot length (cm)	Seedling height (cm)
TO_1	2.43	5.56	7.96
TO_2	4.75	10.74	14.12
TO_3	5.86	12.69	16.54
CD (p=0.05)	0.97	3.18	1.56

Conclusion : Recommended dose of N & K (1.0 kg N & 1.0 kg K_2O/100m^2 area) + double dose of P_2O_5 (2.0 kg P_2O_5/100 m^2 area) and irrigating nursery in morning and let out water in evening resulted in highest root length, Shoot length and seedling height at 15 and 30 days after sowing.

OFT- (Agronomy)

1.	**Title of On farm Trial**	**Weed Management in Jute**
2.	**Problem diagnosed**	Weed causes huge reduction in fibre yield (upto 70%) of jute. It reduces input efficiency, interfere with agricultural operations and acts as alternate host for several insects and pests
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	TO_1: Farmers Practice (one hand weeding at 25-30 DAS) TO_2: Application of Pendimehaline 30% EC @ 525 gm a.i. /ha (within 48 hours after sowing) + one hand weeding at 15 DAS TO_3:Application of Quizalofop ethyl 5 % EC @ 60 gm a.i./ha + Ethoxy sulfuron 15 % WDG @ 100 gn a.i./ha at 30 DAS + one hand weeding at 15 DAS
4.	**Design**	RBD
5.	**No. of replication**	10
6.	**Source of Technology**	JRS, Katihar
7.	**Production system and thematic area**	Jute- Mustard-paddy and Weed management
8.	**Performance of the Technology with performance indicators**	Weed biomass (gm), Fibre yield (q/ha), Gross return (Rs./ha), net return (Rs./ha),B:C ratio

Result:

Table-1: Effect of different treatments on Weed Biomass

Treatment	**Weed Biomass (q/ha)**		
	15DAS	**30DAS**	**45DAS**
TO_1	2.18	6.80	3.08
TO_2	1.67	1.04	2.16
TO_3	1.26	1.21	2.30
CD (p=0.05)	0.56	0.74	0.71

Table-2: Effect of different treatments on plant height,basal diameter and fiber yield

Treatment	**Plant height (cm)**	**Basal diameter(cm)**	**Fiber yield**
TO_1	265.2	1.28	20.54
TO_2	276.5	1.42	27.82
TO_3	268.4	1.41	26.75
CD (p=0.05)			

Table-3: Effect of different treatments Economics of maize

Treatment	**Gross return (Rs./ha)**	**Net return (Rs./ha)**	**B:C ratio**
TO_1	61620	30920	2.01
TO_2	83460	50620	2.51
TO_3	80250	51100	2.75

Conclusion: Application of Pendimehaline 30% EC @ 525 gm a.i. /ha (within 48 hours after sowing) + one hand weeding at 15 DAS resulted in highest fibre yield (27.82 q/ha) whereas application of Quizalofop ethyl 5 % EC @ 60 gm a.i./ha + Ethoxy sulfuron 15 % WDG @ 100 gn a.i./ha at 30 DAS + one hand weeding at 15 DAS given highest net return (Rs.51100 /ha) and B:C ratio 2.75.

OFT (Horticulture)

1.	Intervention	Horticulture
2.	Title	Performance Pactobutrazol on irregular or biennial cultivars for regular bearing of Mango in Bihar
3.	Farming situation	Micro farming situation
4.	Production system	Mango-Mango
5	Thematic area	Orchards
6.	Problem	Many Cultivars have irregular, biennial behavior in fruiting like Langra, Zardulu, Himsagar, Fzli, Chausa etc. resulting yield is very poor.
7.	Potential solution	To improve the irregular, Biennial, old, senile and unproductive mango orchard into production, ultimately yield will be enhanced
8.	Source of technology	BAU, Sabour
9.	Technology option	TO_1 – Farmer Practice (No use of Pactobutrazol by the farmers) TO_2–Application of full dose of recommended dose of fertilizers (1000:500:500g NPK with 25 to 30 kg FYM) $T0_3$ - TO_2+ Application of Pactobutrazol @ 1ml/m^2 with sufficient water so that it should be drenched in the soil. $T0_4$- TO_2+ Application of Pactobutrazol @ 2ml/m^2 with sufficient water so that it should be drenched in the soil. $T0_5$- TO_2+ Application of Pactobutrazol @ 3ml/m^2 with sufficient water so that it should be drenched in the soil.
10	No of Plants/ Unit	5
11	Replication	07
12	Variety	Langra
13.	Critical input	Application of FYM, Vermi compost and Chemical fertilizers were applied before application Pactobutrazol.
14	Irrigation Method	Heavy irrigation should be given just after application of treatment in modified basin methods
15	Cultural Practices	Thining should done of unwanted and overcrowded branches
16	Additional Information	Pactobutrazol should be used in off- season and avoid in on season
17.	Performance indicators	**Technical observations** plant height(m), Plant girth (cm), Plant spread(East- West & North – South) (m), Canopy Volume (m^3) no. of fruit/Plant, Average fruit weight(gm), Fruit Yield (kg/Plant) , Fruit Size (mm)(length speath,
		Economic Indicator Net return, BC ratio
		Farmers' reaction/ feedback

Table-1: Effect of paclobutrazol on irregular / biennial cultivars for regular bearing of mango cv. Langra.

Treatments	Plant height (m)	Plant spread E-W(m)	Plant spread N-S(m)	Fruit length (cm)	Fruit breadth (cm)	Fruit weight (g)	Yield (kg/tree)	B:C ratio
T_1-Farmers practices (no use of paclobutrazol)	5.15	4.01	3.87	9.08	6.62	342.10	70.15	3.77
T_2- Application of full dose of RDF 1000:500:500g NPK with 25 kg of FYM per tree	5.53	6.66	4.37	9.33	6.70	338.25	95.12	2.36
T_3-: T_2+ Application of paclobutrazol @ 3.2 ml/m2 with sufficient water	4.77	3.24	3.19	8.56	5.93	289.35	132.15	2.14
CD (P=0.05)	1.11	1.19	0.73	0.30	0.19	37.85	18.33	-
CV%	14.10	14.62	8.82	2.72	2.23	10.76	8.21	-

Result:

The plant height, plant spread East-West and North- South direction and yield per tree was observed maximum with the application of recommended dose of fertilizers i.e. 5.53 m, 6.66 m, 4.37m, 9.33 cm, 6.70 cm and 338.25g respectively, whereas maximum yield of 132.15kg per tree was recorded under the application of paclobutrazol. In concern to benefit /cost ratio was noted maximum of 3.77 in farmers practices.

OFT (Horticulture)		
1.	**Title**	**Measures to management of Panama Wilt of Banana.**
2.	**Farming Situation**	Irrigated
3.	**Hypothesis formulated**	Suitable plant protection technique reduces yield loss due to disease.
4.	**Experiment Design**	RBD
5.	**Detail the technology selected for assessment / refinement**	TO_1- Carbendazim 50WP @3g/ liter of water (Drenching the soil near root zone at 15 days interval for three times in standing crop) TO_2- Application of Trichodermaharzianum @ per liter of water (Drenching the soil near root zone at 15 days interval for three times in standing crop) TO_3- Mass multiplication of trichoderma with FYM (Trichodermaharzianum1 Kg + FYM 50 Kg) applied near root zone of the plants @ 250 g per plant at one month interval for four times. TO_4- Mass multiplication of trichoderma with compost (Trichodermaharzianum 1 Kg + decomposed banana pseudo stem 50 Kg) applied near root zone of the plants @ 250 g per plant at one month interval for four times.
6.	**Replication**	BAU, Sabour
7.	**Plot Size**	0.4 ha
8.	**Observation Parameter**	1. Disease (%) 2. Yield q/ha 3. B:C ratio
10.	**Critical Input**	Fungicide (Carbendazim 50WP) & Bio – agents

Table-1:

Treatments	% Wilt inicidences				Mean Wilt incidence
	No of Trials	5th months	7th month	9th month	
TO_1- Carbendazim 50WP @3g/ liter of water	10	8.50	13.25	17.50	13.80
TO_2- Application of Trichodermaharzianum @ per liter of water	10	5.15	7.40	8.90	7.15
TO_3- Mass multiplication of trichoderma with FYM	10	2.50	3.70	5.00	3.73
TO_4- Mass multiplication of trichoderma with compost	10	2.80	3.00	5.13	3.64

Table-2:

Treatment	Yield (q/ha)	Cost of Cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha.)	B:C ratio
TO_1- Carbendazim 50WP @3g/ liter of water	194.00	90500.00	194000.00	103500.00	2.14
TO_2- Application of Trichodermaharzianum @ per liter of water	226.50	93750.00	226500.00	132750.00	2.41
TO_3- Mass multiplication of	266.70	95500.00	266700.00	171200.00	2.79

trichoderma with FYM					
TO_4- Mass multiplication of trichoderma with compost	318.70	96500.00	318700.00	222200.00	3.30

Result: On the basis of observation from the trail it is observed that there is an significant yeild increament of 64.27 % with treatment No. 4 i.e. mass nultiplication of trychoderma Harzianum with compost in comparison with to farmer'spractice similarly the highest B: C ration is found with treatment No.4 is cultivation practice of banana although the cost of cultivation os increased b y 6.63 % in comparioson to farmer's practices of banana in the district. There fore the treatment No.4 i.e. mass multiplication of trichoderma whti compost may be the best option in cultivation of banana against the problem in the Katihar district.

OFT (Home Science)

Assessment of preparation methods of Carrot jam for more shelf life, enhancement of nutrition & income.

F.P.: Local people consume fresh carrot as such as vegetables or juice.

T.O.1: Preparation of Carrot Jam

Formulation - Ingredients

Carrot- 1.0kg, Sugar-1.0kg, Water-100ml, Citric acid -6.0g, Pectin powder-10g, Sodium Benzoate- 1.0g

T.O. 2: Preparation of Carrot Jam with essence.

Formulation - Ingredients

Carrot- 1.0kg, Sugar-1.0kg, Water-200ml, Citric acid -6.0g, Pectin powder-10g, Lemon essence-5ml, Sodium Benzoate 1.0g

1. TSS (%)
2. Acidity (%)
3. Sensory Analysis:
   - i. Taste
   - ii.Colour
   - iii.Flavour
   - iv. Texture
   - v. Overall
   - vi.Acceptability

3. Packaging Material:Glass jar 500g)
4. Shelf life (0, 15, 30, 45, 60 and 75 days at Ambient/Refrigerated condition.

Result: Awaited

OFT (Home Science)

Assessment of preparation method of litchi squash

F.P: Sell fruits to processors at very low or throw away price

T.O.-1: Process for preparation of litchi squash

Formulation (Product specifications) Litchi pulp: 25%, TSS: 40°B, Acidity : 0.8%, 350 ppm SO_2

T.O.-2: Process for preparation of litchi squash

Formulation (Product specifications) Litchi pulp: 25%, TSS: 45°B, Acidity: 1.2%, 350 ppm SO_2

TSS (Refractometer)

Acidity (Titration with 0.1N NaOH)

Sensory score (9-point Hedonic scale)

Result: Awaited

OFT-1 Extension Education

S.N.	Title	Study on awareness and perception of farmers about Soil Health Card among Jute growing farmers.
1	Problem Diagnose	Farmers are not aware about benefit of soil health card.
2	Source of technology	BAU, Sabour
3	Technology option:	TO_1 – Farmers not having Soil Health card TO_2 – Farmers having soil health card
4.	No. of Respondents	120
4	Performance parameter	➢ Perception of farmers about soil health card. ➢ Awareness extent about soil health card among farmers.

Result: Awaited

OFT-2 Extension Education

S.N.	Title	**Assessment of the effectiveness of different sources of Agro-advisory services provided to the farmer of the Katihar district.**
1	Problem Diagnose	Different sources of agro advisory service are not giving better impact for solving the problems.
2	Thematic area	HRD
	Source of Technology	Gujarat Anand Agricultural University, Anand, Gujarat
3	Technology option:	TO1(FP)= Farmers generally get advice through neighboring farmers. TO2= Farmers receiving Agro-advisory services through GKMS TO3= Farmers receiving Agro-advisory services through other sources (KRIBHCO, IFFCO, Kisan call centre etc.)
4.	No. of Respondents	120
5	Performance parameter	1. Knowledge before and after 2. Extend of problem solving 3. Constraints faced by farmers during agro advisory services.

Result: Awaited

OFT- (Soil Science)

Title	**Evaluation of ST-TY (Soil Test Targeted Yield) based on nutrient management in Jute**
Thematic Area	Integrated Nutrient Management
Problem diagnosed	Low yield due to imbalance application of nutrients
Important Cause	Injudicious Uses of Fertilizer
Production system	Jute-Mustard based production system.
Micro farming system	Jute-mustard- rice
Technology for Testing	STTY
Existing Practice	Farmers practice
Hypothesis	Targeted yield (35 $qtha^{-1}$)
Objective	Improve the area of jute
Treatments	TO_1 – Farmer Practices (23:20:15 :: N:P:K) TO_2 – ST-TY (35 q/ha) = 123:49:27:: N:P:K TO_3 - ST-TY (35 q/ha) = 83:35:19:: N:P:K + FYM @ 5 t/ ha
Critical Inputs	Seed, Nutrients, chemicals
Unit Size	0.10 ha
No of Replications	10
Unit Cost	
Total Cost	
Monitoring Indicator	**Technical Observation:** Initial and Final Soil Nutrient Status, Plants growth and fiber yield attributes (Height (cm), Diameter of tillers), , fiber Yield (q/ha) **Economic Indicators:** Net return, B:C ratio
Source of Technology	BAU, Sabour

Table 1: Physico-chemical Properties of experimental Soil

Treatments	**pH (1:2.5)**	**ECe (dSm^{-1})**	**O.C. (%)**	**Available Nutrients ($kg\ ha^{-1}$)**		
				N	P	K
Initial	5.89	0.17	0.58	324	31	245
Final	5.87	0.18	0.60	305	28	235
CD (p=0.05)	NS	NS	NS	2.45	0.47	2.7

Table 2: Yield attributing characters of Jute (*Corchorous olitorius*) as influences by different treatments

Treatments	Plant height (cm)	Basal diameter (cm)	Green weight of Plant (q ha^{-1})	Fiber Yield (q ha^{-1})	Targeted yield deviation (%)
TO_1	292	1.38	246.37	19.38	44.63
TO_2	372	1.88	381.27	30.26	13.54
TO_3	385	1.96	412.71	32.52	7.09
CD (p=0.05)	7.01	0.23	2.36	1.02	1.86

Table 3: Economics of Jute (*Corchorous olitorius*) as influences by different treatments

Treatments	Cost of cultivation (Rs ha^{-1})	Gross income (Rs ha^{-1})	Net Income (Rs ha^{-1})	B:C ratio
TO_1	36500	81396	44896	2.23
TO_2	37400	127092	89692	3.40
TO_3	39700	136584	96884	3.44
CD (p=0.05)	26.07	85.36	41.07	0.06

Result: Application of fertilizers as per soil test targeted yield without and with FYM approximately achieved the target of 30.26 q ha^{-1} and 32.52 q ha^{-1} fibre production of jute with (-) 13.54 % and (-) 7.09 % yield deviation, respectively. Jute yield within (-) 13.54% deviation was attained due to heavy rain, which indicated that soil test based fertilizer dose with FYM was superior. The farmer's practice of fertilizer application were less efficient in producing fibre yield (- 44.63 %) of jute.

The net return was increased by about Rs.89692 (T_2) to Rs. 96884 (T_3) ha^{-1} in comparison to farmer practices Rs.44896. Therefore, the FYM and fertilizers dose based on ST-TY treatment recorded highest B:C ratio (3.44) over all treatments including T2 (3.40) and farmers practice (2.23). This approach could be adopted for regions with similar soil and agro-climatic conditions to increase jute yield.

OFT: (Soil Science)

Title	**Evaluation of Azolla and BGA on rice yield and soil health.**
Thematic Area	Integrated Nutrient Management
Problem diagnosed	Poor soil fertility status in soil.
Important Cause	Low rice yield due poor soil fertility status. N (180-230 kg/ha) P (7.6-10.2 kg/ha) K (110-118 kg/ha)
Production system	Rice based production system.
Micro farming system	Rice-Wheat-Green gram
Technology for Testing	Application of Azolla and BGA in low land rice field.
Existing Practice	No application of BGA and Azolla in rice field.
Hypothesis	Application of BGA and Azolla may increase the yield of rice & improve the soil health.
Objective	To improve rice yield and soil health.
Treatments	TO_1: Farmers' Practice (96:56:16 kg/ha $N:P_2O_5:K_2O$) TO_2: FP+BGA @ 10 kg/ha TO_3: RDF 75% N (90:60:40 kg/ha $N:P_2O_5:K_2O$)+BGA@ 10Kg/ha TO_4: RDF 75%N (90:60:40 kg/ha $N:P_2O_5:K_2O$)+ Azolla@10ton/ha
Critical Inputs	Seed, Azolla, BGA and Fertilizer
Unit Size	0.10 ha
No of Replications	10
Unit Cost	
Total Cost	
Monitoring Indicator	**Technical Observation:** Initial and Final Soil Nutrient Status, plant growth and yield attributes (Height (cm), Number of tillers/hill, Number of Panicles/m^2, 1000 Grain Weight), Yield (q/ha) **Economic Indicators:** Net return, B:C ratio
Source of Technology	BAU, Sabour

Table 1: Physico-chemical Properties of experimental Soil

Treatments	**pH (1:2.5)**	**ECe (d Sm^{-1})**	**O.C. (%)**	**Available Nutrients (kg ha^{-1})**		
				N	P	K
Initial	6.60	0.22	0.61	286	28	280
Final	6.45	0.25	0.64	310	30	285
CD (p=0.05)	NS	NS	0.03	1.42	1.01	0.81

Table 2: Effect of azolla and BGA on growth and yield attributes of rice

Treatments	**Plant height (cm)**	**No of Tiller Per Plant**	**Ear bearing Tillers per plant**	**Panicle length (cm)**	**Kernels /panicle**	**Filled Kernels /panicle**	**Effective tillers (m^{-2})**	**Test weight (g)**

TO_1	122.4	10.05	8.63	22.04	151.37	118.75	174.25	14.05
TO_2	123.8	10.51	9.98	22.84	154.21	124.36	204.94	14.29
TO_3	124.2	10.62	10.61	24.25	162.35	128.25	217.25	14.65
TO_4	124.8	11.05	10.55	25.38	164.25	132.25	213.25	14.45
CD (p=0.05)	0.03	0.07	0.22	0.15	0.06	0.28	0.18	0.05

Table 3: Effect of azolla and BGA on yield and economics of rice

Treatments	**Grain yield (qt ha^{-1})**	**Straw yield (qt ha^{-1})**	**Harvest Index (%)**	**Cost of cultivation (Rs ha^{-1})**	**Gross Return (Rs ha^{-1})**	**Net Return (Rs ha^{-1})**	**BC ratio**
TO_1	29.07	42.56	40.59	29400.00	70388.65	40988.65	2.39
TO_2	36.42	48.36	42.96	29800.00	84212.97	54412.97	2.83
TO_3	40.82	52.14	43.91	29870.00	92734.86	62864.86	3.10
TO_4	40.75	53.17	43.39	30800.00	93476.43	62676.43	3.03
CD (p=0.05)	2.02	1.8	NS	3.05	21.02	27.41	ND

Result: The performance of treatment TO_3 (RDF 75% N (90:60:40 kg/ha N: P_2 O_5: K_2O) + BGA@ 10Kg/ha) is found superior over other treatments and farmers practices in respect to yield and benefit cost ratio but TO_4 (RDF 75%N (90:60:40 kg/ha N:P_2O_5:K_2O)+ Azolla@10ton/ha) is at par in comparison with TO_3.

OFT: 03 (Soil Science)

Title	**Assessment the liquid and carrier based bio-fertilizers on performance of transplanted rice and soil properties**
Thematic Area	**INM**
Problem diagnosed	Less uses of bio-fertilizers and deficient of soil properties
Important Cause	Higher doses of urea for taken maximum yield
Production system	Paddy-wheat/ Maize
Micro farming system	micro farming
Technology for Testing	Assessment of Liquid bio-fertilizers in Paddy
Existing Practice	Farmers practice (Minimum uses of bio-fertilizers)
Hypothesis	Improve Farmer income
Objective	To management the nitrogen & Phosphorous deficiency
Treatments	TO_1: Farmers Practice (150:20:10 :: N:P:K with minimum uses of bio-fertilizers) TO_2: RDF [120:60:40] (80% of N +80 % of P + 100% of K) + Soil application of liquid bio-fertilizer (750 ml/ha Liquid azotobactor + 750 ml/ha Liquid PSB) TO_3: RDF [120:60:40] (80% of N +80 % of P + 100% of K) + Soil application of bio-fertilizer (5kg/ha azotobactor + 5kg/ha PSB)
Critical Inputs	Seed, liquid and carrier based biofertilizers and granular fertilizers
Unit Size	0.10 ha
No of Replications	10
Unit Cost	
Total Cost	
Monitoring Indicator	initial and final soil analysis, Plants growth and yield attributes, Yield, Net return, B:C ratio
Source of Technology	BAU Sabour

Table 1: Physico-chemical Properties of experimental Soil

Treatments	**pH (1:2.5)**	**ECe (d Sm^{-1})**	**O.C. (%)**	**Available Nutrients (kg ha^{-1})**		
				N	P	K
Initial	6.08	0.22	0.54	270	33	268
Final	6.14	0.25	0.59	250	35	252
CD (p=0.05)	0.04	0.02	0.01	5.07	0.72	1.08

Table 2: Effect of liquid and carrier based bio-fertilizers on growth attributes of rice

Treatments	**Plant height (cm)**	**No of tiller per plant**	**Ear bearing tillers per plant**	**Panicle length (cm)**	**Kernels per panicle**	**Filled Kernels per panicle**	**Effective tillers (m^{-2})**	**Test weight (g)**
TO_1	115.21	10.27	8.31	21.87	155.21	122.05	172.25	14.18

TO_2	119.02	12.74	10.24	25.69	172.36	129.54	226.41	15.34
TO_3	120.65	12.19	10.11	25.21	168.02	125.12	222.19	15.24
CD (p=0.05)	0.70	0.21	0.04	0.71	1.44	0.58	2.54	0.05

Table 3: Effect of liquid and carrier based bio-fertilizers on yield and economics of rice

Treatments	**Grain yield (qt ha^{-1})**	**Straw yield (qt ha^{-1})**	**Harvest Index (%)**	**Cost of cultivation (Rs ha^{-1})**	**Gross Return (Rs ha^{-1})**	**Net Return (Rs ha^{-1})**	**BC ratio**
TO_1	29.81	42.56	41.19	30800.00	71311.47	40511.47	2.32
TO_2	44.99	52.14	46.32	32100.00	97950.65	65850.65	3.05
TO_3	42.37	53.17	44.35	32900.00	95495.79	62595.79	2.90
CD (p=0.05)	3.04	0.28	NS	42.36	25.04	28.06	NS

Result:

Performance of treatment TO_2: RDF [120:60:40] (80% of N +80 % of P + 100% of K) + Soil application of liquid bio-fertilizer (750 ml/ha Liquid azotobactor + 750 ml/ha Liquid PSB) is found superior over other treatments and farmers practices in respect to production and economic parameters but TO_3: RDF [120:60:40] (80% of N +80 % of P + 100% of K) + Soil application of bio-fertilizer (5kg/ha azotobactor + 5kg/ha PSB) is at par in comparison with TO_2.

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Achievement of Front Line Demonstrations:

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)			
					Demonstration	Check		Gross Cost	GrossReturn	Net Return	BCR	GrossCost	Gross Return	Net Return	BCR
Cauliflower	Vegetable Production	Seed (Sabour Agrim)	10	05	165.62	130.25	21.36	100125	413800	313675	3.14	99450	325625	225500	2.25
Brinjal	ICM	Seed (PH 6)	10	05	310.61	245.52	20.96	89635	465915	376280	4.20	88990	36828	278645	3.10
Bottle guard	ICM	Seed (Narendra Rasmi)	10	05	381.42	300.45	31.23	85215	381420	296205	3.47	84564	300450	215235	2.52
Sorghum	FP	Seed (CSV33 MF)	13	5	694.2	554.98	25.08	23700	76362	52662	3.22	22600	61047	38447	2.70
Paddy	ICM	Seed (Sabour Shree)	10	4	41.4	34.3	20.6	26300	62100	35800	2.36	25200	51450	26250	2.04
Paddy	INM	S. Ardhjal	10	4	40.25	31.02	**29.75**	29500	70438	40938	**2.39**	29800	54285	24485	**1.82**
Wheat	ICM	Seed (Sabour Shrestha)	10	4	38.5	31.5	22.22	23200	65450	42250	2.82	22500	53550	31050	2.38
Wheat	INM	Bio-fertilizers Azotobactor+ PSB)	10	4	41.00	31.00	32.25	23525	69700	46175	2.96	22500	52700	30200	2.34
Jute	ICM	Seed (JRO-8432)	25	10	21.3	16.7	27.5	28800	66030	37230	2.29	28400	51770	23370	1.82

Wheat	ICM	Seed (Sabour Smariddhi)	10	04	Crop standing in field

Cereals

Sl No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Paddy	ICM	Seed (Sabour Shree)	04	04	1		3	0	6		10	0	10	
2.	Paddy	INM	Seed (Sabour Ardhjal & Azotobactor + PSB)	04	04	2	1	3	0	3	1	8	2	10	
3.	Wheat	ICM	Seed (Sabour Shrestha)	4	4	3	0	2	1	3	1	8	2	10	
4.	Wheat	INM	Bio-fertilizers Azotobactor+ PSB)	4	4	3	0	2	0	5	0	10	0	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Wheat	Rabi	Irrigated	scl	554	42	147.84	Paddy	01.12.2020	11.04.2021	4.2	-
Lentil	Rabi	Irrigated	scl	436.8	16	120.96	Paddy	06.12.2020	08.04.2021	4.2	-
Mustard	Rabi	Irrigated	scl	476	18	120.96	Paddy	09.12.2021	27.03.2021	4.2	-
Paddy	Kharif	Irrigated	scl	364	80	109.42	Wheat	06.07.2021	06.11.2021	768.21	-
Paddy	Kharif	Irrigated	scl	286	27	119.00	Moong	10.07.2021	08.11.2021	768.21	-
Wheat	Rabi	Irrigated	scl	330.4	45	118.00	Paddy	04.12.2021	Crop standing		

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauliflower	Vegetable Production	Seed (Sabour Agrim)	10	05	165.62	130.25	21.36			100125	413800	313675	3.14	99450	325625	225500	2.25

Brinjal	ICM	Seed (PH 6)	10	05	310.61	245.52	20.96			89635	465915	376280	4.20	88990	36828	278645	3.10
Bottle gaurd	ICM	Seed (Narendra Rasmi)	10	05	381.42	300.45	31.23			85215	381420	296205	3.47	84564	300450	215235	2.52
Jute	ICM	Seed (JRO-8432)	25	10	21.3	16.7	27.5			28800	66030	37230	2.29	28400	51770	23370	1.82
Sorghum	FP	Seed (CSV33 MF)	13	5	694.2	554.98	25.08			23700	76362	52662	3.22	22600	61047	38447	2.70

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Cow	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Buffalo	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Poultry	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Rabbitry	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Pigerry	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Sheep and goat	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Duckery	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others (pl.specify)	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

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

Fisheries

Category	Thematic area	Name of the technol	No. of Far	No.of un	Major parameters	% change in	Other parameter	*Economics of demonstration (Rs.)	*Economics of check (Rs.)

		ogy demonstrated	mer	its	Demonstration	Check	major parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Mussels	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Ornamental fishes	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Others (pl.specify)	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	Total																

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development	40	40 X 30 bags	1080 Kg	-	-	-	-	31200	129600	98400	4.15	-	-	-	-
Button mushroom	Enterprise development	30	30 X 25bags	225 Kg	-	-	-	-	22500	54000	31500	2.4	-	-	-	-
Vermicompost	Enterprise development	20	20	580 q	-	-	-	-	74042	348000	273958	4.7	-	-	-	-
Sericulture	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Apiculture	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Total																

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	Nutritional garden	25	20q	16q	
Pregnant women	00	00	00	00	
Adolescent Girl	00	00	00	00	
Other women	00	00	00	00	
Children	00	00	00	00	
Neonatal	00	00	00	00	
Infants	00	00	00	00	

Farm implements and machinery

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

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				**Demo**	**Local check**	**% change**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**
Bajra	00	00	00	00	00	00	00	00	00	00
Maize	00	00	00	00	00	00	00	00	00	00
Paddy	00	00	00	00	00	00	00	00	00	00
Sorghum	00	00	00	00	00	00	00	00	00	00
Wheat	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00
Oilseeds	00	00	00	00	00	00	00	00	00	00
Castor	00	00	00	00	00	00	00	00	00	00
Mustard	00	00	00	00	00	00	00	00	00	00
Safflower	00	00	00	00	00	00	00	00	00	00
Sesame	00	00	00	00	00	00	00	00	00	00
Sunflower	00	00	00	00	00	00	00	00	00	00

Groundnut	00	00	00	00	00	00	00	00	00	00
Soybean	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00
Pulses	00	00	00	00	00	00	00	00	00	00
Greengram	00	00	00	00	00	00	00	00	00	00
Blackgram	00	00	00	00	00	00	00	00	00	00
Bengalgram	00	00	00	00	00	00	00	00	00	00
Redgram	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00
Vegetable crops	00	00	00	00	00	00	00	00	00	00
Bottle gourd	00	00	00	00	00	00	00	00	00	00
Capsicum	00	00	00	00	00	00	00	00	00	00
Cucumber	00	00	00	00	00	00	00	00	00	00
Tomato	00	00	00	00	00	00	00	00	00	00
Brinjal	00	00	00	00	00	00	00	00	00	00
Okra	00	00	00	00	00	00	00	00	00	00
Onion	00	00	00	00	00	00	00	00	00	00
Potato	00	00	00	00	00	00	00	00	00	00
Field bean	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00
Commercial crops	00	00	00	00	00	00	00	00	00	00
Cotton	00	00	00	00	00	00	00	00	00	00
Coconut	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Fodder crops	00	00	00	00	00	00	00	00	00	00
Napier (Fodder)	00	00	00	00	00	00	00	00	00	00
Maize (Fodder)	00	00	00	00	00	00	00	00	00	00
Sorghum (Fodder)	00	00	00	00	00	00	00	00	00	00
Others (Pl.specify)	00	00	00	00	00	00	00	00	00	00
Total	00	00	00	00	00	00	00	00	00	00

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Jute	Improved variety increased fibre quality, production and enhance income of farmers
2.	Mushroom	Income generation and Nutritional security.
3.	Paddy	Improved Seed variety increased production against traditional paddy varieties
4.	Lentil	Improved Seed variety and Nutrient Management increased production
5.	Green gram	Increase farm income and Productivity of Farm
6.	Black Gram	Improved Seed variety, Practices of Preemergence weedicide increased production
7	Sorghum	Increase Milk Production
8	Mustard	Improved Cultivation enhance Oil seed production and better price
9	Nutritional Garden	Improve nutritional security and also availibity of vegetables through out year

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	09.02.2021	01	39	
		13.02.2021	01	37	
		02.03.2021	01	39	
		06.03.2021	01	38	
		18.10.2021	01	67	
		29.10.2021	01	25	
		25.10.2021	01	29	
		30.10.2021	01	39	
		04.08.2021	01	56	
		13.08.2021	01	29	
		18.11.2021	01	45	
		25.11.2021	01	35	
2.	Farmers Training	15.11.2021	01	26	
		17.11.2021	01	32	
		07.01.2021	01	36	
		11.01.2021	01	30	
		09.03.2021	01	45	
		13.08.2021	01	61	
		18.08.2021	01	39	
		07.09.2021	01	29	
		07.10.2021	01	31	
		28.10.2021	01	35	
		15.11.2021	01	45	
		24.11.2021	01	41	
		30.11.2021	01	35	
		08.12.2021	01	32	
3.	Media coverage	-	-	Many	
4.	Training for extension functionaries	17.12.2021	01	40	
		09.02.2021	01	39	

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

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area	Yield (q/ha)		% increase	Economics of Demonstration (Rs/ha)			Economics of Check (Rs/ha)		
					Demo	Check		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
Lentil	**Pulse Production**	HUL-57 Seed, INM, IWM & Bio fertilizer	**25**	**10**	**13.50**	**10.12**	**33.39**	**52650**	**32400**	**2.6**	**39468**	**20968**	**2.13**
Mustard	**Oilseed Production**	Uttara Seed, INM, IWM & Bio fertilizer	**50**	**20**	**8.14**	**5.92**	**37.5**	**30932**	**18132**	**2.42**	**22496**	**10996**	**1.96**
Green Gram	**Pulse Production**	IPM-02-14, Seed, Seed Treatment, INM, IWM	**25**	**10**	**8.22**	**6.10**	**34.75**	**49320**	**32720**	**2.96**	**36600**	**22100**	**2.52**
Black Gram	**Pulse Production**	IPU-02-43, Seed, Seed Treatment, INM, IWM	**25**	**10**	**7.88**	**6.42**	**22.74**	**47280**	**31180**	**2.93**	**38520**	**24220**	**2.69**
Musatrd	**Oil Seed production**	RH-406 & RH-749, Seed, Seed Treatment, INM, IWM	**75**	**30**	Crop Standing in field								

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	9.96	1080	1035	2000	HUL-57 Seed, INM, IWM & Bio fertilizer	25	10	14.7	12.3	13.50	25	23.33	-48.14
2	Mustard	Maghi	5.95	550	600	1000	Uttara Seed,INM, IWM & Biofertiliser	50	20	9.23	7.05	8.14	32.43	26.28	-22.85
3	Green Gram	Local Variety	6.29	634	628	1200 - 1500	IPM-02-14, Seed, Seed Treatment, INM, IWM	25	10	9.30	7.14	8.22	88.87	23.6	-64.23
4	Black gram	Local Variety	6.41	656	612	1000 - 1200	IPU-02-43, Seed, Seed Treatment, INM, IWM	25	10	8.42	7.34	7.88	16.75	22.33	-39.59
5	Mustard	Crop Standing in 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 & Bio fertilizer	18500	39468	20968	2.13	20250	52650	32400	2.6
2.	Mustard Uttara Seed,INM, IWM & Biofertiliser	11500	22496	10996	1.96	12800	30932	18132	2.42
3.	Green Gram, IPM-02-14, Seed, Seed Treatment, INM, IWM	14500	36600	22100	2.52	16600	49320	32720	2.96
4.	Blackgram, IPU-02-43, Seed, Seed Treatment, INM, IWM	14300	38520	24220	2.69	16100	47280	31180	2.93
5.	Mustard, Uttara Seed, INM, IWM & Bio fertilizer	Crop Standing in 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.	Lentil, HUL-57	540	472	39	40	28	Farming and Livelihood	16
2.	Mustard, Uttara	325	247	38	6	72	Farming and Livelihood	22
3.	Green Gram, IPM-02-14	328	235	60	30	63	Farming and Livelihood	19
4.	Black Gram, IPU-02-43	315	214	60	45	56	Farming and Livelihood	18
5.	Mustard, RH-406 &RH-749	Crop Standing in 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)	Afford ability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Mustard, RH-406 &RH-749 – Seed, INM,IWM biofertiliser	Crop Standing in field					

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
INM and IWM	Good	Good	Positive
Lentil HUL-57	Wilt toterant	No incidence of Wilt in demonstrated crop while local check effected by Wilt	Good variety
Mustard, Uttara	High Yield	Better germination in demonstrated crop as compared to local check	Good variety
Green gram var.IPM 02-14	Bold seeded, tolerant to YMV	No incidence of YMV in demonstrated crop while local check infested with YMV	Good variety
Black gram var. IPU-02-43	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 CFLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
Lentil	Training on demonstration	30.10.2020, Boropar Sikkat	34
	Diagnostic field visit	05.11.2020, Boropar Sikkat	12
	Diagnostic field visit	09.11.2020, Sikkat	12
	Training for Agronomical operations	11.11.2020, Sikkat	19
	Diagnostic field visit	02.12.2020, Boropar Sikkat	31
	Diagnostic field visit	21.12.2020, Boropar Sikkat	11
	Field day	19.03.2021, Boropar Sikkat	53
	Field day	25.03.2021, Sikkat	27
Mustard	Training on demonstration	26.11.2020, Jalla harirampur	25
	Diagnostic field visit	22.12.2020 Jalla harirampur	32
	Training for Agronomical operations	28.12.2020 Jallaharirampur	35
	Diagnostic field visit	07.01.2021 Jalla harirampur	29
	Field day	28.01.2021 Jalla harirampur	79
Green gram	Training on demonstrated technologies	03.03.2021, Bangali Tola	32
	Diagnostic field visit	10.03.2021, Nathnagar	19
	Field day	30.04.2021, Nathnagar	19
Black Gram	Training on demonstrated technologies	05.03.2021Khuhalpur	24
	Diagnostic field visit	15.04.2021Pranpur	17
	Field day	29.04.2021Pranpur	43

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

Attach on last page

G. Farmers' training photographs

Attach on last page

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

Attach on last page

I. Details of budget utilization

Statement of head wise Expenditure as of Cluster FLD (Oil Seed)

Sl. No.	Crop	Heads of Expenditure	Sanctioned Grant	Amount released		Total amount released	Expenditure up to 31 Dec. 2021	Closing Balance (Rs.)
				OB as on 01.04.2021	Actual amount released			
1	2	3	4	5	6	7	8	9
1	Crop	Critical input	162000.00	-90470.00	0.00	-90470.00	135190.00	-225660.00
	Mustard	Monitoring activities (10% of the fund)	18000.00	-7403.00	0.00	-7403.00	6531.00	-13934.00
	TOTAL		**180000.00**	**-97873.00**	**0.00**	**-97873.00**	**141721.00**	**-239594.00**

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	02	32	00	32	07	00	07	16	00	16	55	00	55
Resource Conservation Technologies	00	00	00	00	00	00	00	00	00	00	00	00	00
Cropping Systems	00	00	00	00	00	00	00	00	00	000	00	00	00
Crop Diversification	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Water management	01	13	00	13	7	00	07	04	00	04	24	00	24
Seed production	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Crop Management	08	119	35	154	11	24	35	11	12	23	141	71	212
Fodder production	01	21	02	23	03	03	06	02	01	03	26	06	32
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	00	00	00	00	00	00	00	00	00	00	00	00	00
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)	02	55	0	55	0	0	0	0	0	0	55	0	55
b) Fruits													
Layout and Management of Orchards	00	00	00	00	00	00	00	00	00	00	00	00	00
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	00	00	00	00	00	00	00	00	00	00	00	00	00
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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Propagation techniques of Ornamental Plants	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													
Production and Management technology	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
Others, if any	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
Processing and value addition	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
f) Spices													
Production and Management technology	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
Others, if any	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
Production and management technology	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
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
III. Soil Health and Fertility Management													
Soil fertility management	01	26	00	26	00	00	00	00	00	00	26	00	26
Soil and Water Conservation	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient Management	08	143	08	151	21	05	26	05	02	07	169	15	182
Production and use of organic inputs	01	26	00	26	00	00	00	00	00	00	26	00	26
Management of Problematic soils	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
Nutrient Use Efficiency	00	00	00	00	00	00	00	00	00	00	00	00	00
Soil and Water Testing	01	18	02	20	04	00	04	01	00	01	23	02	25
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
IV. Livestock Production and Management													
Dairy Management	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
Piggery Management	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
Disease Management	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
Production of quality animal products	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
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	05	00	99	99	00	23	23	00	28	28	00	150	150
Design and development of	00	00	00	00	00	00	00	00	00	00	00	00	00

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
low/minimum cost diet													
Designing and development for high nutrient efficiency diet	00	00	00	00	00	00	00	00	00	00	00	00	00
Minimization of nutrient loss in processing	02	00	23	23	00	09	09	00	16	16	00	48	48
Gender mainstreaming through SHGs	00	00	00	00	00	00	00	00	00	00	00	00	00
Storage loss minimization techniques	00	00	00	00	00	00	00	00	00	00	00	00	00
Enterprise development	03	00	33	33	00	17	17	00	19	19	00	69	69
Value addition	02	00	24	24	00	16	16	00	11	11	00	51	51
Income generation activities for empowerment of rural Women	01	00	17	17	00	06	06	00	05	05	00	28	28
Location specific drudgery reduction technologies	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
Capacity building	00	00	00	00	00	00	00	00	00	00	00	00	00
Women and child care	01	00	19	19	00	04	04	00	03	03	00	27	27
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	00	00	00	00	00	00	00	00	00	00	00	00	00
Use of Plastics in farming practices	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of small tools and implements	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
Small scale processing and value addition	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
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
VII. Plant Protection													
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Disease Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-control of pests and diseases	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of bio control agents and bio pesticides	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
VIII. Fisheries													
Integrated fish farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp breeding and hatchery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp fry and fingerling rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Composite fish culture & fish disease	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	00	00	00	00	00	00	00	00	00	00	00	00	00
Hatchery management and culture of freshwater prawn	00	00	00	00	00	00	00	00	00	00	00	00	00
Breeding and culture of ornamental fishes	00	00	00	00	00	00	00	00	00	00	00	00	00
Portable plastic carp hatchery	00	00	00	00	00	00	00	00	00	00	00	00	00
Pen culture of fish and prawn	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

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
Edible oyster 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
Fish processing and value addition	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
IX. Production of Inputs at site													
Seed Production	00	00	00	00	00	00	00	00	00	00	00	00	00
Planting material production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-agents production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-pesticides production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-fertilizer production	00	00	00	00	00	00	00	00	00	00	00	00	00
Vermi-compost production	00	00	00	00	00	00	00	00	00	00	00	00	00
Organic manures production	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of fry and fingerlings	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Bee-colonies and wax sheets	00	00	00	00	00	00	00	00	00	00	00	00	00
Small tools and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of livestock feed and fodder	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Fish feed	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
X. Capacity Building and Group Dynamics													
Leadership development	03	49	4	53	8	3	11	14	00	14	71	7	78
Group dynamics	00	00	00	00	00	00	00	00	00	00	00	00	00
Formation and Management of SHGs	03	36	28	64	00	00	00	06	00	06	42	28	70
Mobilization of social capital	02	41	04	45	05	04	09	00	00	00	46	08	54
Entrepreneurial development of farmers/youths	04	56	32	88	7	0	07	9	6	15	72	38	110
WTO and IPR issues	01	20	00	20	06	00	06	00	00	00	26	00	26
Others, if any	04	86	18	104	02	08	10	10	00	10	98	26	124
XI Agro-forestry													
Production technologies	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Farming Systems	00	00	00	00	00	00	00	00	00	00	00	00	00
XII. Others (Pl. Specify)	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	**42**	**741**	**133**	**874**	**81**	**47**	**128**	**78**	**21**	**99**	**900**	**201**	**1099**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	08	52	104	156	08	24	32	12	36	48	72	164	236
Bee-keeping	02	41	09	50	01	02	03	01	00	01	43	11	54
Integrated farming	01	27	00	27	02	00	02	01	00	01	30	00	30
Seed production	01	02	15	17	01	09	10	01	02	03	04	26	30
Production of organic inputs	01	16	4	20	5	3	8	4	2	6	25	9	34
Integrated Crop Management	02	32	9	41	5	2	7	1	0	1	38	11	49
Planting material production	00	00	00	00	00	00	00	00	00	00	00	00	00
Vermi-culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Sericulture	00	00	00	00	00	00	00	00	00	00	00	00	00

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protected cultivation of vegetable crops	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	00	00	00	00	00	00	00	00	00	00	00	00	00
Value addition	02	00	13	13	00	06	06	00	22	22	00	41	41
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
Enterprise development	01	19	6	25	3	2	05	00	00	00	22	8	30
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	01	13	03	16	02	00	02	04	02	06	19	07	26
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
Other (if any)	01	30	00	30	00	00	00	00	00	00	30	00	30
TOTAL	9	167	43	210	17	18	35	8	4	12	192	65	257

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	00	00	00	00	00	00	00	00	00	00	00	00	00
Value addition	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient management	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
Protected cultivation technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Formation and Management of SHGs	01	22	00	22	00	00	00	00	00	00	22	00	22
Group Dynamics and farmers organization	01	24	0	24	3	0	3	00	0	0	27	00	27
Information networking among farmers	00	00	00	00	00	00	00	00	00	00	00	00	00
Capacity building for ICT application	01	21	00	21	00	00	00	00	00	00	21	00	21
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	01	00	24	24	00	00	00	00	00	00	00	24	24
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	01	00	22	22	00	4	4	00	00	00	00	26	26
Others(If Any)*	04	58	5	63	12	2	14	9	2	11	79	9	88
TOTAL	**8**	**125**	**5**	**125**	**15**	**2**	**17**	**9**	**2**	**11**	**149**	**9**	**158**

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
Water management	01	18		18	4		4	3		3	25	0	25
Water management	01	19		19	5		5	2		2	26	0	26
Cropping system	01	20	5	25	5	2	7	4	2	6	29	9	38
Weed management	01	19		19	2		2	3		3	24	0	24

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	04	70	07	77	20	06	26	06	04	10	96	17	113
Resource Conservation Technologies	02	34	00	34	05	01	06	01	00	01	40	02	42
Cropping Systems	03	54	00	54	10	03	13	01	00	01	65	03	68
Crop Diversification	00												
Integrated Farming	01	22	00	22	04	00	04	00	00	00	26	00	26
Water management	01	29	00	29	08	00	08	03	00	03	40	00	40
Seed production	01	31	00	31	06	04	10	00	00	00	37	04	41
Nursery management	01	19	00	19	04	00	04	01	00	01	24	00	24
Integrated Crop Management	09	225	04	229	38	13	51	05	03	08	268	20	288
Fodder production	02	34	04	38	04	02	06	04	04	08	42	10	52
Production of organic inputs	00	00	00	00	00	00	00	00	00	00	00	00	00
Other	00	00	00	00	00	00	00	00	00	00	00	00	00
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	00	00	00	00	00	00	00	00	00	00	00	00	00
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	05	352	00	352	05	00	05	06	00	06	363	00	363
b) Fruits													
Layout and Management of Orchards	01	22	00	22	00	00	00	00	00	00	22	00	22
Cultivation of Fruit	00	00	00	00	00	00	00	00	00	00	00	00	00
Management of young plants/orchards	01	21	00	21	00	00	00	00	00	00	21	00	21
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	04	160	64	224	10	06	16	00	00	00	170	70	240
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

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
d) Plantation crops													
Production and Management technology	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
Others, if any	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
Processing and value addition	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
f) Spices													
Production and Management technology	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
Others, if any	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
Production and management technology	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
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
III. Soil Health and Fertility Management													
Soil fertility management	00	00	00	00	00	00	00	00	00	00	00	00	00
Soil and Water Conservation	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient Management	05	90	13	103	17	10	27	12	08	20	119	31	150
Production and use of organic inputs	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
Micro nutrient deficiency in crops	00	00	00	00	00	00	00	00	00	00	00	00	00
Nutrient Use Efficiency	00	00	00	00	00	00	00	00	00	00	00	00	00
Soil and Water Testing	01	12	04	16	04	02	06	06	02	08	22	08	30
Others, if any	01	16	02	18	02	01	03	03	02	05	21	05	26
IV. Livestock Production and Management													
Dairy Management	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
Piggery Management	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
Disease Management	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
Production of quality animal products	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
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	02	00	23	23	00	08	08	00	12	12	00	43	43
Design and development of low/minimum cost diet	01	00	22	22	00	3	3	00	00	00	00	25	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Designing and development for high nutrient efficiency diet	00	00	00	00	00	00	00	00	00	00	00	00	00
Minimization of nutrient loss in processing	00	00	00	00	00	00	00	00	00	00	00	00	00
Gender mainstreaming through SHGs	01	00	21	21	00	6	6	00	3	3	00	30	30
Storage loss minimization techniques	00	00	00	00	00	00	00	00	00	00	00	00	00
Enterprise development	02	16	31	47	00	00	00	00	00	00	16	31	47
Value addition	01	11	19	30	00	00	00	00	00	00	11	19	30
Income generation activities for empowerment of rural Women	02	00	42	42	00	3	3	00	9	9	00	54	54
Location specific drudgery reduction technologies	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
Capacity building	00	00	00	00	00	00	00	00	00	00	00	00	00
Women and child care	01	00	22	22	00	3	0	00	4	4	00	29	29
Others, if any	05	00	80	80	00	00	00	00	00	00	00	80	80
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	00	00	00	00	00	00	00	00	00	00	00	00	00
Use of Plastics in farming practices	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of small tools and implements	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
Small scale processing and value addition	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
Others, if any	00	00	00	00	00	00	00	00	00	00	00	00	00
VII. Plant Protection													
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Disease Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-control of pests and diseases	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of bio control agents and bio pesticides	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
VIII. Fisheries													
Integrated fish farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp breeding and hatchery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Carp fry and fingerling rearing	00	00	00	00	00	00	00	00	00	00	00	00	00
Composite fish culture & fish disease	00	00	00	00	00	00	00	00	00	00	00	00	00
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	00	00	00	00	00	00	00	00	00	00	00	00	00
Hatchery management and culture of freshwater prawn	00	00	00	00	00	00	00	00	00	00	00	00	00

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
Breeding and culture of ornamental fishes	00	00	00	00	00	00	00	00	00	00	00	00	00
Portable plastic carp hatchery	00	00	00	00	00	00	00	00	00	00	00	00	00
Pen culture of fish and prawn	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
Edible oyster 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
Fish processing and value addition	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
IX. Production of Inputs at site													
Seed Production	00	00	00	00	00	00	00	00	00	00	00	00	00
Planting material production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-agents production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-pesticides production	00	00	00	00	00	00	00	00	00	00	00	00	00
Bio-fertilizer production	00	00	00	00	00	00	00	00	00	00	00	00	00
Vermi-compost production	00	00	00	00	00	00	00	00	00	00	00	00	00
Organic manures production	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of fry and fingerlings	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Bee-colonies and wax sheets	00	00	00	00	00	00	00	00	00	00	00	00	00
Small tools and implements	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of livestock feed and fodder	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of Fish feed	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
X. Capacity Building and Group Dynamics													
Leadership development	01	27	06	33	00	00	00	00	00	00	27	06	33
Group dynamics	01	17	02	19	03	00	03	04	00	04	24	02	26
Formation and Management of SHGs	05	64	51	115	05	04	09	00	00	00	69	55	124
Mobilization of social capital	01	00	30	30	00	12	12	00	00	00	00	42	42
Entrepreneurial development of farmers/youths	03	27	23	50	09	16	25	17	12	29	53	51	104
WTO and IPR issues	01	17	00	17	00	01	01	04	00	04	21	01	22
Others, if any	03	23	38	61	05	02	07	00	00	00	28	40	68
XI Agro-forestry													
Production technologies	00	00	00	00	00	00	00	00	00	00	00	00	00
Nursery management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Farming Systems	00	00	00	00	00	00	00	00	00	00	00	00	00
XII. Others (Pl. Specify)	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	**62**	**1366**	**328**	**1694**	**159**	**83**	**242**	**73**	**35**	**108**	**1598**	**447**	**2045**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	08	42	116	158	18	24	42	16	38	54	76	142	218
Bee-keeping	02	33	10	43	5	2	7	4	1	5	42	13	55
Integrated farming	00	00	00	00	00	00	00	00	00	00	00	00	00
Seed production	00	00	00	00	00	00	00	00	00	00	00	00	00
Production of organic inputs	01	18	03	21	05	01	06	02	01	03	25	05	30
Integrated nutrient management	01	35	05	40	05	02	07	02	01	03	42	08	50
Planting material production	00	00	00	00	00	00	00	00	00	00	00	00	00
Vermi-culture	00	00	00	00	00	00	00	00	00	00	00	00	00
Sericulture	00	00	00	00	00	00	00	00	00	00	00	00	00
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	00	00	00	00	00	00	00	00	00	00	00	00	00
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	02	00	29	29	00	12	12	00	11	11	00	52	52
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	02	19	21	40	2	0	02	00	00	00	21	21	42
TOTAL	**4**	**72**	**29**	**101**	**12**	**3**	**15**	**4**	**2**	**6**	**88**	**34**	**122**

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	01	26	0	26	3	0	3	0	0	0	29	0	29
Integrated Pest Management	00	00	00	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient management	02	40	0	40	3	3	6	5	0	0	48	3	51
Rejuvenation of old orchards	01	25	00	25	00	00	00	00	00	00	25	00	25
Protected cultivation technology	00	00	00	00	00	00	00	00	00	00	00	00	00
Formation and Management of SHGs	01	23	00	23	00	00	00	00	00	00	23	00	23
Group Dynamics and farmers organization	01	22	00	22	00	00	00	00	00	00	00	22	22
Information networking among farmers	01	24	00	24	00	00	00	00	00	00	24	00	24
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	02	13	19	32	4	00	4	00	9	9	17	28	45
Women and Child care	01	00	23	23	00	00	00	0	4	4	00	27	27
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 (If Any)*	01	21	0	21	7	2	9	5	0	5	33	2	35
TOTAL	07	159	0	159	13	5	18	10	0	5	182	5	187

G) Consolidated table (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
I. Crop Production													
Weed Management	6	102	7	109	27	6	33	22	4	26	151	17	168
Resource Conservation Technologies	2	34	0	34	5	1	6	1	0	1	40	2	42
Cropping Systems	3	54	0	54	10	3	13	1	0	1	65	3	68
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	1	22	0	22	4	0	4	0	0	0	26	0	26
Water management	2	42	0	42	15	0	15	7	0	7	64	0	64
Seed production	1	31	0	31	6	4	10	0	0	0	37	4	41
Nursery management	1	19	0	19	4	0	4	1	0	1	24	0	24
Integrated Crop Management	17	344	39	383	49	37	86	16	15	31	409	91	500
Fodder production	3	55	6	61	7	5	12	6	5	11	68	16	84
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	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
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	7	407	0	407	5	0	5	6	0	6	418	0	418
b) Fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	22	0	22	0	0	0	0	0	0	22	0	22
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	1	21	0	21	0	0	0	0	0	0	21	0	21
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	4	160	64	224	10	6	16	0	0	0	170	70	240
c) Ornamental Plants	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
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	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
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil fertility management	1	26	0	26	0	0	0	0	0	0	26	0	26
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	13	233	21	254	38	15	53	17	10	27	288	46	332
Production and use of organic inputs	1	26	0	26	0	0	0	0	0	0	26	0	26
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	2	30	6	36	8	2	10	7	2	9	45	10	55
Others, if any	1	16	2	18	2	1	3	3	2	5	21	5	26
IV. Livestock Production and Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	7	0	122	122	0	31	31	0	40	40	0	193	193
Design and development of low/minimum cost diet	1	0	22	22	0	3	3	0	0	0	0	25	25
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	2	0	23	23	0	9	9	0	16	16	0	48	48
Gender mainstreaming through SHGs	1	0	21	21	0	6	6	0	3	3	0	30	30
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	5	16	64	80	0	17	17	0	19	19	16	100	116
Value addition	3	11	43	54	0	16	16	0	11	11	11	70	81
Income generation activities for empowerment of rural	3	0	59	59	0	9	9	0	14	14	0	82	82

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women													
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	2	0	41	41	0	7	4	0	7	7	0	56	56
Others, if any	5	0	80	80	0	0	0	0	0	0	0	80	80
VI.Agril. Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	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
VIII. Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Leadership development	4	76	10	86	8	3	11	14	0	14	98	13	111
Group dynamics	1	17	2	19	3	0	3	4	0	4	24	2	26
Formation and Management of SHGs	8	100	79	179	5	4	9	6	0	6	111	83	194
Mobilization of social capital	3	41	34	75	5	16	21	0	0	0	46	50	96
Entrepreneurial development of farmers/youths	7	83	55	138	16	16	32	26	18	44	125	89	214
WTO and IPR issues	2	37	0	37	6	1	7	4	0	4	47	1	48
Others, if any	7	109	56	165	7	10	17	10	0	10	126	66	192
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	128	2134	856	2990	240	228	465	151	166	317	2525	1252	3775

E) 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	16	94	220	314	26	48	74	28	74	102	148	306	454
Bee-keeping	4	74	19	93	6	4	10	5	1	6	85	24	109
Integrated farming	1	27	0	27	2	0	2	1	0	1	30	0	30
Seed production	1	2	15	17	1	9	10	1	2	3	4	26	30
Production of organic inputs	2	34	7	41	10	4	14	6	3	9	50	14	64
Integrated Farming	3	67	14	81	10	4	14	3	1	4	80	19	99
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	2	0	13	13	0	6	6	0	22	22	0	41	41
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	1	19	6	25	3	2	5	0	0	0	22	8	30
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	2	0	29	29	0	12	12	0	11	11	0	52	52
Post Harvest Technology	1	13	3	16	2	0	2	4	2	6	19	7	26
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	2	19	21	40	2	0	2	0	0	0	21	21	42
Others, if any	5	102	29	131	12	3	15	4	2	6	118	34	152
TOTAL	**40**	**451**	**376**	**827**	**74**	**92**	**166**	**52**	**118**	**170**	**577**	**552**	**1129**

F) Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	26	0	26	3	0	3	0	0	0	29	0	29
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	2	40	0	40	3	3	6	5	0	0	48	3	51
Rejuvenation of old orchards	1	25	0	25	0	0	0	0	0	0	25	0	25
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	23	0	23	0	0	0	0	0	0	23	0	23
Group Dynamics and farmers organization	2	44	0	44	0	0	0	0	0	0	22	22	44
Information networking among farmers	2	48	0	48	3	0	3	0	0	0	51	0	51
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	1	21	0	21	0	0	0	0	0	0	21	0	21
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	2	13	19	32	4	0	4	0	9	9	17	28	45
Women and Child care	1	0	23	23	0	0	0	0	4	4	0	27	27
Low cost and nutrient efficient diet designing	1	0	24	24	0	0	0	0	0	0	0	24	24
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	1	0	22	22	0	4	4	0	0	0	0	26	26
Other (If Any)	5	79	5	84	19	4	23	14	2	16	112	11	123
TOTAL	**20**	**319**	**93**	**412**	**32**	**11**	**43**	**19**	**15**	**29**	**348**	**141**	**489**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	PF	Irrigation Sheduling of Crops	1	Off	40	0	40	11	0	11
Agronomy	PF	Weed Management in Wheat	1	Off	31	0	31	6	0	6
Agronomy	PF	Nursery Management in Boro Paddy	1	Off	24	0	24	5	0	5
Agronomy	RY	Diversification of rice-Wheat croopping system	5	On	4	26	30	2	11	13
Extension Education	PF	Income generation activities in a group	1	Off	11	9	20	0	4	4
Extension Education	PF	Enterpreneurship development through bee	1	Off	23	28	51	10	28	38

		keeping								
Extension Education	PF	Technology dissemination through leadership development	1	Off	27	6	33	0	0	0
Extension Education	PF	Income generation through Mushroom production	1	ON	22	8	30	0	0	0
Extension Education	RY	Enterpreneurship development through bee keeping	5	On	22	8	30	3	2	5
Horticulture	Pf	Raring of Bee keeping	1	OFF	50	0	50	0	0	0
Horticulture	PF	Raring of Bee keeping	1	Off	50	0	50	0	0	0
Horticulture	Pf	Cultivation of Vegetable	1	Off	95	0	95	0	0	0
Home Science	RY	Scientific Cultivation of oyster & Button Mushroom	1	ON	35	35	70	5	3	8
Home Science	PF	Scientific Cultivation of oyster & Button Mushroom	1	ON	35	35	70	5	3	8
Home Science	RY	Scientific Cultivation of Milky White Mushroom	1	OFF	13	16	29	5	0	0
Home Science	PF	Scientific Cultivation of Milky white Mushroom	1	OFF	9	19	28	3	2	2
Home Science	PF	Household Food Security by Kitchen and Nutritional gardening	02	ON	0	23	23	0	20	20
Home Science	PF	Design and development of low/minimum cost Diet	01	ON	0	22	22	0	3	3
Home Science	PF	Gender Mainstraiming through SHGs	01	ON	0	21	21	0	9	9
Home Science	PF	Enterprise Development	02	ON	16	31	47	0	0	0
Home Science	PF	Women and Child Care	01	ON	0	22	22	0	7	7
Horticulture	PF	Importance & Use of organic fests	1	Off	90	0	90	0	0	0
Horticulture	PF	Scientific Cultivation of Vegetable	1	Off	120	0	120	0	0	0
Soil Science	PF	INM on Rabi Crop	1	Off	30	0	30	0	0	0
Soil Science	RY	Soil and water testing	5	ON	30	0	30	0	0	0
Soil Science	Pf	Integrated nutrient mangement in Rabi Crop	1	Off	22	8	30	11	6	17
Soil Science	Pf	Effect of bio fertilizerd in Rabi Crop	1	OFF	23	7	30	9	5	14
Soil Science	Pf	Integrated nutrient management in Rabi Maize	1	OFF	23	7	30	5	3	8
Soil Science	Pf	Ingegrated nutrient management in wheat	1	Off	21	9	30	4	4	8
Agronomy	pF	weed managgement in wheat	1	OFF	22	8	30	11	6	17
Agronomy	Pf	Wheat cultivation by	1	Off	30	0	30	3	0	3

		raised bed techinque								
Agronomy	Pf	Dcientific cultivation of Chickpea	1	Off	23	7	30	5	3	8
Agronomy	Pf	Integrated weed management in wheat	1	Off	21	9	30	4	4	8
Agronomy	RY	IFS	5	ON	30	0	30	3	0	3
Soil Science	RY	Nutrient management in makhana	2	Off	42	8	50	7	3	10
Soil Science	RY	Production and marketing of bio fertilizer	6	ON	25	9	34	9	5	14
Extension Education	PF	Enterpreneushiip development through mushroom Production	1	Off	4	23	27	0	0	0
Extension Education	PF	Income genetating activities in a group	1	Off	7	21	28	0	0	0
Extension Education	Pf	Enterproneurship deveklopment through organic farming	1	ON	4	28	32	0	0	0
Horticulture	PF	Scientific cultivation of summer Vegetable	1	Off	35	5	40	0	0	0
Agronomy	Pf	Weed management in Jute	1	ON	31	0	31	18	0	18
Agronomy	Pf	Scientific cultivation of maize	1	OFF	36	1	37	10	1	11
Agronomy	EF	Agronomic management practices of Jute	1	Off	29	0	29	3	0	3
Soil Science	PF	Micronutrient deficiency symptoms and its management	1	ON	22	8	30	7	6	13
Soil Science	PF	Soil and water samples collection technique	1	Off	22	8	30	10	4	14
Soil Science	Pf	Mushroom production techique	1	Off	21	5	26	5	3	8
Soil Science	RY	Production and marketing of bio fertilizer	5	Off	25	5	30	7	2	9
Extension Education	PF`	Income generating activities in a group	1	ON	21	0	21	0	0	0
Extension Education	PF	Income generatong activities in a group	1	Off	23	4	27	0	0	0
Extension Education	PF	Income generating activities in a group	1	Off	4	21	25	0	0	0
Extension Education	Pf	Technology dissemination through leadership development	1	ON	27	0	27	11	0	11
Soil Science	Pf	Integrated Nutrients management in crops	1	On	20	0	20	0	0	0
Soil Science	PF	To knpowledge and understand abou organic farming and water management	1	On	26	0	26	0	0	0
Agronomy	PF	Cultivation of Jute	1	On	14	10	24	4	2	6
Agronomy	Pf	Scientific cultivation of	1	On	6	20	26	0	7	7

		Black gram								
Agronomy	Pf	Scientific cultivation of Greengram	1	ON	5	20	25	0	6	6
Horticulture	PF	Water management In Mango and litchi orchard	1	ON	22	0	22	0	0	0
Horticulture	PF	Production and water management in Banana	1	ON	20	0	20	0	0	0
Soil Science	Pf	Soil and water management practices to increase NUE in crop	1	On	26	0	26	0	0	0
Soil Science	PF	Fertilizer and water management in Paddy	1	ON	25	0	25	0	0	0
Extension Education	Pf	Leadership development for technology disseminatrion of water management	1	ON	20	7	27	4	3	7
Extension Education	PF	Agro and water eco system analysis of adopted village	1	ON	24	0	24	7	0	7
Agronomy	PF	water management in rice	1	ON	24	0	24	11	0	11
Agronomy	PF	Water management & Agronomic practicws of Jute	1	ON	18	7	25	4	7	11
Soil Science	PF	Methods & importance of Soil and water testing	1	On	23	2	25	5	0	5
Soil Science	PF	Fertilizer & water management in Paddy	1	ON	25	2	27	9	0	9
Soil Science	EF	Nutrient management in DSR	1	Off	27	0	27	8	0	8
Soil Science	EF	Nutrient management in DSR through Drum Seeder	1	Off	21	3	24	0	3	3
Extension Education	Pf	Income generation activities in agroup	1	ON	4	25	29	0	0	0
Extension Education	Pf	Productivity enhancement of field crops	1	ON	23	4	27	0	0	0
Extension Education	Pf	Entrepreneuship development through mushroom cultivation	1	Off	2	22	24	0	0	0
Agronomy	Pf	Management of maize archar inter cropping system	1	Off	27	1	28	4	1	5
Agronomy	PF	cultivation of DSR by Zero Tillage machines	1	Off	15	1	16	3	1	4
Agronomy	EF	Water management in DSR	1	On	25	0	25	7	0	7
Agronomy	EF	water management in rice	1	ON	26	0	26	7	0	7
Extension Education	Pf	Productivity enhancement ofKharif crops	1	On	23	4	27	4	4	8
Extension Education	Pf	Entrepreneuship development through organic farming	1	On	26	0	26	9	0	9
Soil Science	PF	Nutrient Management in	1	On	16	3	19	3	1	4

		Kharif Rice								
Soil Science	Pf	Nutrient Management in Kharif Crop	1	On	25	2	27	7	0	7
Agronomy	Pf	Weed Management in Paddy	1	On	24	0	24	5	0	5
Agronomy	PF	Agronomic management of direct Seeded rice	1	Off	21	1	22	3	1	4
Agronomy	PF	Seed Production in Paddy	1	Off	37	4	41	6	4	10
Agronomy	RY	Beekeeper	25	ON	30	0	30	0	0	0
Agronomy	EF	Management of maize and pigeonpea inter cropping system	1	On	29	9	38	9	4	13
Extension Education	PF	Income generation activities in a group members through mushroom production	1	Off	0	42	42	0	12	12
Extension Education	PF	Enterpreneurship development through Mushroom Production	1	Off	26	0	26	16	0	16
Extension Education	PF	Income generation activities in a group members through Milky mushroom production	1	ON	14	8	22	5	4	9
Extension Education	PF	Awareness and use of marketintelligence	1	ON	26	0	26	6	0	6
Extension Education	PF	Awareness and use of marketintelligence	1	Off	21	1	22	4	1	5
Extension Education	PF	Income generation activities among group through Milky Mushroom Production	1	On	32	0	32	0	0	0
Extension Education	EF	Income gereration activities among group members	1	ON	27	0	27	3	0	3
Soil Science	PF	INM in Paddy	1	ON	14	0	14	0	0	0
Soil Science	PF	INM in Paddy	1	ON	22	0	22	0	0	0
Agronomy	PF	Weed management in Paddy	1	OFF	22	0	22	5	0	5
Agronomy	PF	Agronomics management of Jute	1	Off	21	4	25	3	4	7
Agronomy	Pf	Water management in Paddy	1	ON	25	0	25	4	0	4
Agronomy	EF	Weed Management in kharif crops	1	On	24	0	24	5	0	5
Extension Education	PF	Income generation activities among group members	1	ON	17	3	20	6	0	6
Extension Education	PF	Entrepreneurship development through Organic farming practices	1	ON	26	0	26	7	0	7
Extension Education	PF	Entrepreneurship development through	1	On	16	10	26	0	6	6

		Button Mushroom Production								
Extension Education	PF	Income generating activities among group members	1	OFF	24	0	24	5	0	5
Agronomy	PF	Scientifice cultivation of fodder	1	On	26	6	32	5	4	9
Agronomy	PF	Agronomic management of sorghum	1	OFF	25	0	25	6	0	6
Agronomy	PF	Scientific Cultivation of Berseem	1	Off	15	10	25	5	6	11
Agronomy	RY	Management practices in Beekeeper	21	ON	13	11	24	2	2	4
Agronomy	PF	Scientific Cultivation of Fodder	1	Off	27	0	27	3	0	3
Agronomy	PF	Maize Based cropping system	1	Off	18	2	20	3	2	5
Agronomy	RY	Agronomic management practices of Maize	5	ON	13	11	24	2	2	4
Agronomy	EF	Wheat Sowing bu Zero tillage technique	1	Off	33	2	35	12	2	14
Agronomy	PF	Maize-Popatato inter cropping system	1	Off	20	0	20	4	0	4
Agronomy	PF	Wheat cultivation by Zero tillage	1	Off	25	0	25	3	0	3
Agronomy	PF	Scientific Cultivation of Mustard	1	ON	26	6	32	2	6	8
Agronomy	PF	Agronomic management of mustad	1	ON	24	1	25	5	1	6
Agronomy	PF	Weed Management in Rabi oilseed crops	1	ON	23	7	30	3	7	10
Agronomy	RY	Diversification of rice-Wheat croopping system	5	ON	25	0	25	4	0	4
Horticulture	PF	Cultivation of Rabi Season Vegetable	1	Off	18	0	18	6	0	6
Extension Education	PF	Formation and Management of SHGs	1	Off	24	2	26	7	0	7
Extension Education	PF	Scientific Makhana Cultivation Technologies	1	On	30	10	40	8	4	12
Agronomy	PF	Integrated Farming System	1	OFF	26	0	26	4	0	4
Agronomy	Pf	Management of Potato-Masize intercropping system	1	OFF	37	0	37	3	0	3
Agronomy	Pf	Irrigation management in Wheat	1	OFF	46	6	52	5	6	11
Agronomy	Pf	Agronomic management of maize	1	OFF	29	1	30	5	1	6
Extension Education	PF	Productivity Enhancement of Rabi Crop	1	Off	8	18	26	3	2	5
Extension Education	PF	Productivity Enhancement of Rabi Crop	1	Off	18	0	18	2	0	2

Extension Education	RY	Entrepreneurship development through Poultry	1	Off	5	15	20	2	0	2
Extension Education	RY	Entrepreneurship development through Poultry	1	Off	16	6	22	0	0	0

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom	Mushroom Production	Income Generation activities through Mushroom Production	5	12	17	29	-	21	21	
Rice	Crop Diversification	Diversification of rice- Wheat croopping system	5	4	26	30	-	-	19	-
Beekeeping	Enterpreneuship development	Enterpreneurship development through bee keeping	5	22	8	30	-	-	18	-
Soil and Water	Soil and water testing	Soil and water testing	5	25	0	25	-	-	-	-
IFS	IFS	IFS	5	30	0	30	-	-	12	-
Makhana	INM	Nutrient management in makhana	5	42	8	50	-	-	41	-
Bio fertilizer	Bio fertilizer	Production and marketing of bio fertilizer	5	25	9	34	-	-	2	-
Bio fertilizer	Bio fertilizer	Production and marketing of bio fertilizer	5	25	5	30	-	-	2	-
Maize	ICM	Agronomic management practices of Maize	5	13	11	24	-	-	-	-
Wheat	ICM	Diversification of rice- Wheat croopping system	5	25	0	25	-	-	21	-

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Rabi Crop Management	Seed Production	Jan 2021	02	PF	01	25	03	02	00	00	00	25	03	02	30	NABARD
2	Mushroom Cultivation	Mushroom production	Jan 2021	1	PF	01	02	00	02	24	00	02	26	00	04	30	ATMA, Katihar
3	Exposure visit cum training programme	Exposure visit	Jan 2021	1	PF	01	14	0	0	0	0	0	14	0	0	14	ATMA, Katihar
4	Sabji ki Vaigyanik Kheti	Vegetable Production	Feb 2021	1	PF	01	65	0	0	0	0	4	65	0	0	65	DAO, Katihar
5	Production and Marketing of mushroom	Mushroom production	Feb 2021	1	PF	01	30	0	0	0	0	0	30	00	0	30	ATMA, Katihar
6	Production and Marketing of mushroom	Mushroom production	Feb 2021	1	PF	01	30	0	0	0	0	0	30	00	0	30	ATMA, Katihar
7.	Vermi Compost producer	INM	Feb 2021	25	PF	01	24	0	02	04	0	0	28	00	02	30	ATMA, Katihar
8.	Beekeeper (BSDM, RPL)	Mushroom production	March 2021	10	RY	01	19	5	3	00	2	1	19	7	4	30	BSDM, Gov. of Bihar
9.	Beekeeper (ICAR Skill training)	Mushroom production	March 2021	25	RY	01	14	00	02	11	00	00	23	02	00	25	ICAR, Gov to India
6 .	Agronomic Managment of Paddy	INM	June 2021	1	PF	01	244	45	11	25	12	08	169	57	20	352	Bameti , Patna
7.	Nursery management in Paddy	Nursery management	June 2021	1	PF	01	114	18	15	12	9	04	126	27	19	172	ATMA, Katihar
8.	Orgaic Farming	Orgaic Farming	July 2021	1	PF	01	12	05	00	04	02	02	16	07	02	25	ATMA, Katihar
9.	Production and Marketing of mushroom	Mushroom production	July 2021	1	PF	01	20	08	02	05	03	02	25	11	04	40	ATMA, Katihar
10.	Exposure visit cum training on Modern technique of paddy cutivation and nutrient management	Seed Production	August 2021	1	PF	01	00	00	00	18	08	03	18	08	03	20	EfICOR, Kadwa, Katihar
11.	Impact of nao urea on crops	INM	August 2021	1	PF	01	55	12	08	00	00	00	55	12	08	75	IFFCO, Katihar

12.	Management of Kitchen garden	Kitchen garden	Sept 2021	1	PF	01	208	00	00	00	000	00	208	00	00	208	IFFCO, Katihar
13.	Farmer Scientist Meet Programme	Farmer Scientist Meet Programme	Sept 2021	1	PF	01	24	00	00	02	00	00	26	00	00	26	EfICOR, Katihar
14.	Farmer Scientist Meet Programme	Farmer Scientist Meet Programme	Sept 2021	1	PF	01	24	00	00	02	00	00	26	00	00	26	EfICOR, Katihar
15.	Scientific Cultivation of rabi Pulse	Pulse Production	Oct 2021	1	PF	01	29	08	03	00	00	00	29	08	03	41	ATMA, Katihar
16.	Scientific Cultivation of rabi crops	Rabi Production	Nov 2021	1	PF	01	22	02	01	00	00	00	22	02	01	24	ITC Katihar
17.	Nursery raising of vegetable crops	Nursery Management	Nov 2021	1	PF	01	00	22	22	00	8	08	00	00	30	30	Jeevik, Katihar
18	Scientific Cultivation of Dragon Fruit	Fruit Production	Dec 2021	1	PF	01	41	00	41	00	00	00	00	00	00	41	ATMA, Vaishali
19.	Krishak Vaigyanik mailan Karrkram	Krishak Vaigyanik mailan Karrkram	Dec 2021	1	PF	01	70	00	00	00	00	00	70	00	00	70	ATMA, Katihar

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	9	280	78	358	5.2	12	7	19	292	85	377
Kisan Mela	1	1248	189	1437	6.4	110	56	166	1358	245	1603
Kisan Chaupal	5	108	57	165	8.97	6	1	7	114	58	172
Exhibition	8	162	110	272	8.9	6	2	8	168	112	280
Film Show	14	630	210	840	9.5	22	7	29	652	217	869
Method Demonstrations	0	0	0	0	0			0	0	0	0
Farmers Seminar	1	26	5	31	2.8	3	0	3	29	5	34
Workshop	1	51	8	59	4.3	4	2	6	55	10	65
Group meetings	14	310	130	440	7.3	22	8	30	332	138	470
Lectures delivered as resource persons	28	610	315	925	6.3	31	12	43	641	327	968
Advisory Services	1	6005	410	6415	7.3	41	19	60	6046	429	6475
Scientific visit to farmers field	40	1287	359	1646	6.2	29	9	38	1316	368	1684
Farmers visit to KVK	2213	1401	812	2213	7.8	9	2	11	1410	814	2224
Diagnostic visits	61	530	167	697	7.3	46	12	58	576	179	755
Exposure visits	17	799	69	868	4.5	4	0	4	803	69	872
Ex-trainees Sammelan	3	72	24	96	4.3	0	0	0	72	24	96
Soil health Camp	3	92	41	133	7.2	8	0	8	100	41	141
Animal Health Camp	1	41	6	47	3.9	6	3	9	47	9	56
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	3	141	12	153	6.3	6	1	7	147	13	160
Self Help Group Conveners meetings	6	36	123	159	5.78	7	4	11	43	127	170
Mahila Mandals Conveners meetings	0	0	0	0	0	0		0	0	0	0
Special Programmes (specify)	0	0	0	0	0	0		0	0	0	0
Sankalp Se Siddhi	0	0	0	0	0	0		0	0	0	0
Swatchta Hi Sewa	16	112	230	342	11.42	16	6	22	128	236	364
Any Other (Specify)	0	0	0	0	0	0		0	0	0	0
Total	**2445**	**13941**	**3355**	**17296**		**388**	**151**	**539**	**14329**	**3506**	**17835**

KISAN CHOUPAL

S.No.	Date	Name of Village	Name of Block	Total
1.	06.02.2021	Sirsa	Katihar	35
2.	13.02.2021	Dharmganj	Korha	34
3.	06.03.2021	Jallaharirampur	Pranpur	41
4.	20.03.2021	Sameli	Barari	33
5.	03.04.2021	Baharkhal	Korha	22
TOTAL				165

Outcome of Kisan Choupal of KVK, Katihar: The Kisan Chaupal Programme was grand success with the participation of 165 farmers across the 05 villages of Katihar district. "Technical bulletins, Krishak Samachar & Vegetable seedling 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	289
Radio talks	22
TV talks	06
Popular articles	11
Extension Literature	04
Other, if any	00

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	16	11	27	3.5	4	2	6	20	13	33
International Women's Day (8th Mar.)	1	19	91	110	14.9	41	14	55	60	105	165
Ambedkar Jayanti (14th Apr.)	1	12	9	21	2.12	1	1	2	13	10	23
International Yoga Day (21st Jun.)	1	14	5	19	0	0	0	0	14	5	19
Independence Day (15th Aug.)	1	28	14	42	3.6	3	1	4	31	15	46
Parthenium Awareness Week (16th to 22nd Aug.)	1	134	65	199	5.89	8	4	12	142	69	211
Hindi Diwas (14th Sep.)	1	17	11	28	3.9	0	0	0	17	11	28
Gandhi Jayanti (2nd Oct.)	1	31	12	43	3.48	3	0	3	34	12	46
Mahila Kisan Diwas (15th Oct.)	1	6	38	44	6.89	3	0	3	9	38	47
World Food Day (16th Oct.)	1	20	12	32	7.3	3	0	3	23	12	35
Vigilance Awareness Week (27th Oct. to 2nd Nov.)	1	12	4	16	0	0	0	0	12	4	16
National Unity Day (31st Oct.)	1	42	9	51	6.21	8	3	11	50	12	62
World Science Day (10th Nov.)	1	21	13	34	4.87	6	0	6	27	13	40
National Education Day (11th Nov.)	1	23	14	37	3.24	4	0	4	27	14	41
National Constitution Day (26th Nov.)	1	14	16	30	2.89	0	0	0	14	16	30
World Soil Day (5th Dec.)	1	79	26	105	5.74	14	2	16	93	28	121
Kisan Diwas (23rd Dec.)	1	310	24	334	9.45	12	3	15	322	27	349
TOTAL	17	798	374	1172		110	30	140	908	404	1312

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	30.11.2021	Natural Farming	Interaction of Hon'ble PM/AM	21	06	00	27
2	26.08.2021	Foodand Nutrition for farmers	Live telecast Programme of Hon'ble AM	112	12	00	124
3	31.08.2021	Azadi ka Amrit Mahotsav	Interaction of Hon'ble AM	15	12	00	27
4	17.09.2021	Poshan Vatika Maha Abhiyan Avam Vrikshanropan	Live telecast Programme of Hon'ble PM/AM	192	12	02	206
5	28.09.2021	Jalwayu Sahishnu krishi Takniko avam Padhatiyo ka Vyakap Abhyan	Live telecast Programme of Hon'ble PM/AM	193	12	03	208
7	18.12.2021	Natural farming	Live telecast Programme of Hon'ble PM/AM	324	12	8	344
8	23.12.2021	Azadi ka Amrit Mahotsav	Live telecast Programme of Hon'ble PM/AM	15	12	00	27
9	01.01.2022	Kisan Samman Nidhi Programm	Live telecast Programme of Hon'ble PM/AM	70	13	00	83

3.5 a. Production and supply of Technological products

Village seed- N/A

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	HD-2967	65.00	260000.00	Sent to DSF, Sabour			
Lentil	HUL-57	0.27	2700.00				
Mustard	RH-725	0.58	6670.00				
Paddy	Sabour Sree	63.00	252000.00				
Paddy	Sabour sampann	17.00	6800.00				
Grand Total		**145.85**	**528170.00**				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Sabour Agrim	1200	600	30	38	52	120
Cabbage	Pride of India	6000	3000	53	67	180	300
Tomato	Kashi Vishesh	4400	2200	67	43	110	220
Brinjal	Rajendra Baigan -2	15100	7550	49	112	342	503
Chilli	Pusa Jawla	37500	18750	89	174	487	750
Onion							
Others (Broccoli, Shimala Mirch)	Pushpa, Indra	2100	1050	50	30	130	210
Fruits	00	00	00	00	00	00	00
Mango	00	00	00	00	00	00	00
Guava	00	00	00	00	00	00	00
Lime	00	00	00	00	00	00	00
Papaya	00	00	00	00	00	00	00
Banana	00	00	00	00	00	00	00
Others	00	00	00	00	00	00	00
Ornamental plants	00	00	00	00	00	00	00
Medicinal and Aromatic	00	00	00	00	00	00	00
Plantation	00	00	00	00	00	00	00
Spices	00	00	00	00	00	00	00
Turmeric	00	00	00	00	00	00	00
Tuber	00	00	00	00	00	00	00
Elephant yams	00	00	00	00	00	00	00
Fodder crop saplings	00	00	00	00	00	00	00
Forest Species	00	00	00	00	00	00	00
Others, pl.specify	00	00	00	00	00	00	00
Total	--	66300	33150	338	464	1301	2103

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers	00	00	00	00	00	00
Bio-pesticide	00	00	00	00	00	00
Bio-fungicide	00	00	00	00	00	00
Bio-agents	00	00	00	00	00	00
Others, please specify.(Vermi Compost& Worms)	93.48	55188	00	00	13	13
Total	**93.48**	**55188**	**00**	**00**	**13**	**13**

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows	00	00	00	00			
Buffaloes	00	00	00	00			
Calves	00	00	00	00			
Others (Pl. specify)	00	00	00	00			
Small ruminants							
Sheep	00	00	00	00			
Goat	00	00	00	00			
Other, please specify	00	00	00	00			
Poultry							
Broilers	00	00	00	00			
Layers	00	00	00	00			
Duals (broiler and layer)	00	00	00	00			
Japanese Quail	00	00	00	00			
Turkey	00	00	00	00			
Emu	00	00	00	00			
Ducks	00	00	00	00			
Others (Pl. specify)	00	00	00	00			
Piggery							
Piglet	00	00	00	00			
Hog	00	00	00	00			
Others (Pl. specify)	00	00	00	00			
Fisheries							
Indian carp	00	00	00	00			
Exotic carp	00	00	00	00			
Mixed carp	00	00	00	00			
Fish fingerlings	00	00	00	00			
Spawn	00	00	00	00			
Others (Pl. specify)	00	00	00	00			
Grand Total	00	00	00	00			

3.5. b. Seed Hub Programme- i) Name of Seed Hub Centre: N/A

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018	--	--	--	--	--	--
	--	--	--	--	--	--
Rabi 2021	--	--	--	--	--	--
	--	--	--	--	--	--

Summer/Spring 2021	--	--	--	--	--	--

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2020				

iv) Infrastructure Development

Item	Progress
Seed processing unit	--
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books			--	--
News letter	Krishak Samachar Vol-1	Dr. Reeta Singh, Sr. Scientist and Head, KVK, Katihar Dr. Sushil Kr. Singh, SMS (Agro), KVK, Katihar Sri K. P.Singh, SMS (Hort), KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar	1000	1000
News letter	Krishak Samachar Vol-2	Dr. Reeta Singh, Sr. Scientist and Head, KVK, Katihar Dr. Sushil Kr. Singh, SMS (Agro), KVK, Katihar Sri K. P.Singh, SMS (Hort), KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar	1000	1000
News letter	Krishak Samachar Vol-3	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar	1000	1000

		Sri K. P.Singh, SMS (Hort), KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar		
News letter	Krishak Samachar Vol-4	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Sri K. P.Singh, SMS (Hort), KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar	1000	1000
Popular Articles	Makhana utapadan: khaddh suraksha avam udhmita vikas	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar, Sri Om Prakash Bharti, FM, KVK, Katihar, Dr. R.K. Sohane, DEE, BAU, Sabour, Dr Abhay Mankar,DDT, BAU, Sabour Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar	Krishak Sandesh May 2021(09):15, 1-6	400
Popular Articles	Bans ki kheti kar samriddha ho rahe kisan	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar, Sri Om Prakash Bharti, FM, KVK, Katihar, Dr. Sushil Kr. Singh, SMS (agronomy), Kvk,Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar	Krishak Sandesh May 2021(09):15, 7-10	400
Popular Articles	Korona kal aur Apka Aahar	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar	Krishak Sandesh May 2021(09):15, 11-12	400
Popular Articles	Jut Bij utpadan	Sri Om Prakash Bharti, FM, KVK, Katihar, Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar, Dr. Sushil Kr. Singh, SMS (agronomy), Kvk,Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar	Krishak Sandesh May 2021(09):15, 13-15	400
Popular Articles	Arhar: Bij Utpadan	Sri Om Prakash Bharti, FM, KVK, Katihar, Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar, Dr. Sushil Kr. Singh, SMS (agronomy), Kvk,Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar	Krishak Sandesh May 2021(09):15, 20-22	400
Popular Articles	Hari khad avam uska prabandhan	Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar	Krishak Sandesh May	400

		Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar Sri Om Prakash Bharti, FM, KVK, Katihar	2021(09):15, 27-28	
Popular Articles	Mung ki vaigyanik kheti	Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Sri Om Prakash Bharti, FM, KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar	Krishak Sandesh May 2021(09):15, 32-33	400
Popular Articles	Dragan fruit ki kheti	Sri Pankaj kumar, SMS (EE), KVK, Katihar Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar, Sri Om Prakash Bharti, FM, KVK, Katihar Smt sweeti Kumari SMS (Agromet), KVK, Katihar	Krishak Sandesh May 2021(09):15,36-37	400
Popular Articles	Vrajpat/Tanka/ Asmani Bijali (jankari avam Bachaw)	Smt sweeti Kumari SMS (Agromet), KVK, Katihar Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar Dr. Sushil Kr. Singh, SMS (agronomy),Kvk,Katihar Sri Pankaj kumar, SMS (EE), KVK, Katihar Dr. R.K. Singh, SMS (Soil Science) KVK, Katihar Sri Om Prakash Bharti, FM, KVK, Katihar	Krishak Sandesh May 2021(09):15,38-39	400
Popular Articles	Fasalo me trikodrama dwara kit prabandhan	Sri K. P.Singh, SMS (Hort), KVK, Katihar	Krishak Sandesh May 2021(09):15,40-42	400
Popular Articles	Goan ke liye upyogi saor chulaha	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar,	Krishak Sandesh May 2021(09):15, 45-46	400
Bulletins	Makhana Utapadan: Khadya Surakchaa ewam Udmita Vikas	Dr. Reeta Singh, Sr. Scientist and Head, KVK, Katihar, Sri Om Prakash Bharti, FM, KVK, Katihar,	500	
Book Chapter				
Pamphlets	Gramin krsihi mausham Sewa	Dr. Reeta Singh. Sr. Scientist and Head, KVK, Katihar, Smt sweeti Kumari SMS (Agromet), KVK, Katihar	1000	

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.	HRD Training Programme	Empowering youth for technology Led Farming	Smt. S.P. Reddy, Prog. Assist. (Lab Tech)	20-22Feb 2021 (03)	BAU, Sabour
2	HRD Training Programme	Empowering youth for technology Led Farming	Sri Mukesh Kumar Assist.	20-22Feb 2021 (03)	BAU, Sabour
3.	HRD Training Programme	Empowering youth for technology Led Farming	Sri Amarendra Kumar Vikas, Prog. Assistant (Computer)	20-22Feb 2021 (03)	BAU, Sabour

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

SUCCESS STORIES-1

Journey of farm women towards Doubling the Farmers income through Value adition

1. **Name and address: Smt.** Astami devi
   At - Jalla Harirampur
   P.O - Mahadevpur
   P.S - Pranpur
   Block- Pranpur
   District- Katihar
2. **Category:** Value addition
3. **Background:** Mrs. Astami Devi was searching some additional income for crushing poverty and for good life style. She was in search of new Skills for setting up a new business plan related Agriculture. She approaches to Krishi Vigyan Kendra, Katihar, BAU, Sabour and as per the guidance, support, training, demonstration from the scientists of the KVK, Katihar, she started Making Dari from Jute fibre and Making Moong Papad for getting additional income.
4. **Training and motivational Support: KVK, Katihar Provide motivational support and suggest for** Making Dari from Jute fibre and Making Moong Papad due to local availability of Jute Fibre and Moong . Selling of items is not a problem at locally level.
5. **Impact in the area:**farmer's are able to get Best price of Jute fibre and Moong .
   SHG members consist of 12 womens also starts making dari and Papad making to see success result.

- Mrs. Astami Devi is making Moong Dal Papad in a group approach ,
- The cost of making 10 k.g. Moong Dal Papad is Rs. 1100/-
- The selling Rate of Moong Dal Papad is RS. 2000/- per k.g.
- The net income received by her is Rs. 900/-
- She is making and selling 300 k.g. Moong Dal Papad in a year
- She is getting net profit of Rs. 270000/- from Moong Dal Papad in a year
- She is also engaged in Making Jute Dari
- The cost of making one Dari is Rs.595/-
- She makes 250 daris in a year

- ❖ The selling price of one dari at local level is Rs.1200/-
- ❖ The net income received by her from Dari is Rs. 151250/-
- ❖ Mrs. Astami Devi is able to get additional income of Rs. 421250/- through Making Jute Dari & Moong dal Papad.

6. **Awards & recognitions:** BAU, Sabour on the occasion of International Women's Day

7. **Contributing / enabling Factors:** The technical Know how and Scientific skill provide by KVk, Katihar

SUCCESS STORIES-2

Journey of farm women towards Doubling the Farmers income through Mushroom Production (Bihar)

1. Name & Address : Smt. Bhagwati devi
   At - Bari Bathna
   P.O. - Sirnia
   P.S. - Mansahi
   Block- Mansahi
   District- Katihar
2. **Category: Mushroom Production& its Value addition**
3. **Background:**

Mrs. Bhagmati Devi was searching some employment for the help of her family for better utilization of her land and livelihood. She has visited KVK, Katihar during a training programme on mushroom cultivation. After training she started oyster and button mushroom cultivation. Starting a Mushroom Production was not a big challenge after getting training, she was able to get spawn from KVK, Katihar and other materials are available at local level. She also encourages for Mushroom Production and its value addition for quick and higher income genration and nutritional security. At present approx 85 womens starts Mushroom production for income and employment generation. This enterprise is also environmentally safe and waste management of different agricultural residue.

4. **Training and motivational Support:** Krishi Vigyan Kendra, Katihar and ATMA, Katihar

5. Impact in the area: "During particular season especially during pick season, she is able to earn about Rs.50000.00 per month and during off season she earn hardly around 10-20,"said Bhagwati Devi.She grows 1000 packets of mushroom (500 oysters and 500 buttons) in his farm and sells neraly 10 kg of mushroom daily at the wholesale rate of Rs 130 per kg. Daily she received Rs1300.00 means Rs.39000.00 monthly. Sometime raw mushroom not sell, she sun dried and convert it in to powder form and that powder uses to prepare mushroom bakeries, Namkeens and sell in local market @Rs.350.00per kg.. On an aggregate basis, she get Rs.50000.00 monthly

income with mushroom and it's produced under the farm. So far, more than 85 farmers have acquired the cultivation related know how at the farm of Bhagwati devi

6. Awards & recognitions received: ATMA, Katihar

7. Contributing/ enabling Factors: KVK, Katihar and ATMA, Katihar

SUCCESS STORIES-3

Name of farmer: **Sri Satender Singh**
Address: **Sakraili**
Mobile Number: **9955509670**
Age: **56**
Education: **High School**
Size of land holding (in acre): **05**

Status in 2017

Component Description		Benchmark (Baseline period 2017-18)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	52	76440	44940
Field Crop 2	Maize	4	128	174720	136720
Field Crop 3	Wheat	1	12	19500	11000
Field Crop 4	Jute	1	6	19200	14700
Other enterprise (Specify)	Vermicompost Production	6	170	68000	59800
Total				357860	267160

AT Present 2021

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income
Field Crop 1	Paddy	4	68	127024	94524	30.77	110
Field Crop 2	Maize	4	170	317050	278550	32.81	104
Field Crop 3	Wheat	1	16	31600	23000	33.33	109
Field Crop 4	Jute	1	9	38025	32625	50.00	122
Other enterprise (Specify)	Vermicompost Production	10	280	168000	146000	64.71	144
Total				681699	574699		

Brief: The farmer used to get annual income of Rs. 267160 from Paddy, Wheat, Maize, etc. He faced problems like INM , Marketing, etc. With DFI interventions like Marketing of Agri Products, INM Training,

etc., he is getting annual income of Rs 574699 . In addition, there is cost saving of Rs.1600 in the production of Maize

SUCCESS STORIES-4

Name of farmer: **Sri Kunj Bihari Mandal**

Address: **Fulehara, Mansahi, Katihar**

Mobile Number: **6299762037**

Age: **45**

Education: **Matric**

Size of land holding (in acre): 3 acre

Status in 2017

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	10.5	15435	9335
Field Crop 2	Jute	1	8	25600	21100
Field Crop 3	Wheat	1	12	19500	12200
Field Crop 4	Maize	2	58	79170	60770
Hort. Crop 1	Makhana	1	7.2	75600	33600
Livestock 1	Cow	1	900	22500	8300
Total				**236205**	**143705**

2) Status in 2021

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	production	income

Field Crop 1	Paddy	1	13.5	25218	17418	28.57	87
Field Crop 2	Jute	1	9.5	40137	35037.5	18.75	66
Field Crop 3	Wheat	1	14	27650	20050	16.67	64
Field Crop 4	Maize	2	68	126820	104520	17.24	72
Hort. Crop 1	Makhana	1	9	108000	64000	25.00	90
Livestock 1	Cow			32000	14700	11.11	77
Total				**357713**	**253613**		

Brief: The farmer used to get annual income of Rs143705 from rice, wheat etc. He faced problems like low productivity etc. With DFI interventions like Seed, INM and IPM etc., he is getting annual income of Rs.253613 In addition, there is cost saving of Rs 7400 in the production of wheat and dairy

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1.	On line training classes	--	During lock down period it was very difficult to gather farmers at one place for training and other activities. KVK, katihar starts on line training programmes and trained 528 farmers through virtual mode

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
1	Vegetable Production	Neem based insecticide	Control of insect and pest
2	Maize/ Wheat	Storage in drums with Neem & Tulsi Leaves	Control weevils

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production (q)	No. of farmers involved	Market available (Y/N)
1.	Vegetable production	130	65000	325	N

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	Survey Methods	Training need assessment

2.	Questionnaire	Training need assessment
3.	Personal Interview	Training need assessment
4.	Focused group discussion	Training need assesssment
5.	Observation	Training need assessment

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

Sl. No	Name of the Equipment	Qty.
1.	STFR Kit	2
2.	Mrida Parikshak Kit	1
3.	Grinder	1
4.	Mechanical Shaker	1
5.	Electronic Balance	1
6.	PH meter	1
7.	Flame Photometer	1
8.	Hot Air Oven	1
9.	Hot Plate	1
10.	Digital Conductivity meter	1
11.	Double Distillation Unit	1
12.	Automatic pipettes 0.5-10 ml	1
13.	Burette (Automatic) mounted (Reservoir) 100ml.	1
14.	Weighing Machine Cap 600gm	1
15.	Kjeltron Rapid Automatic Nitrogen Protein Estimation System and Bastic Auto Distillation System	1
16.	Flame Photometer	1
17.	Hot Air Oven	1
18.	Hot Plate	1
19.	Conductivity Meter	1
20	Double Distillation Unit	1
21.	Bunsen LPG Gas Burner	1
22.	Muffle Furnace 4"x9" chamber size	1
23.	Visco meter Ostwald glass	1
24.	Max-Min Thermometer	1
25.	Hygrometer make imported digital	1
26.	Automatic Vortexing Machine cyclomixer	1
27.	Ceiling Fan 48' SWIFT, USHA	5
28.	Exhaust Fan, Crompton	3
29.	Spectro Photo meter	1
30	Steel Rack 6 Feet Godrej	4
31.	Steel Almirah Storewell	1
32.	Godrej 7 Lever Navtal Pad lock	7
33.	Gas Connection commercial of Indane(Double cylinder) with Gas stove	1

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
00	756	756

3.11.c Detail of Soil, Water and Plant analysis at KVK

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil	755	15	755	47070.00
2.	Water	01	01	01	
3.	Plant	00	00	00	
4.	Fertilizers	00	00	00	
5.	Manures	00	00	00	
6.	Food	00	00	00	
7.	Others (if any)	00	00	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.	World Soil Day	105	1	Ex Hon'ble MP Sri Nikhil Choudhary	50	50

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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
06	01	--	210	11

3.13. Technology week celebration- N/A

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

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

No of student trained	No of days stayed
04 RAWE Student of different college of BAU, Sabour (10.10.20 to08.02.2021)	121 days
02 RAWE Student of different University (18.02.2021 to 08.04.2021)	50 days
07 RAWE Student of different University (03.08.2021 to 15.12.2021)	135 days
08 RAWE Student of BPSAC, Purnea (22.09.2021 to 16.12.2021)	84 days

List of Students

Sl No.	Name	Roll No.
1	Juhi kumari	` DKAC/34/2017-18
2	Md. shafique azmdt	BAC/055/2017-18
3	Pooja kumari	VKSCOA 2015-2017-18
4	Neeraj kumar kamal	BPSAC/22/2016-17
5	Ruchi Sharma	17061017/2017-18
6	Laxmi Kumar	VB2278/2017-18
7	Mr. Rup kumarroy	1805301242
8	Mr. Karamvir Kumar Nunia	1805301120
9	Sunil Kumar Murmu	1805301297
10	Md. Zafar Alam	1805301165
11	Md. Shadab Anwar	1805301164
12	Md. Imroj Alam	1805301162
13	Prince Kumar Singh	1805300694

14	Miss Smirti Raj	BPSAC/ 10/2017-18
15	Miss Kanchan Kumari	BPSAC/ 17/2018-19
16	Miss Sonam Vaishnavi	BPSAC/27/2018-19
17	Miss Ankita Kumari	BPSAC/34/2018-19
18	Miss prity Kumari	BPSAC/52/2018-I 9
19	Miss Minakshi Dash	BPSAC/55/201 8-19
20	Miss Sreekutty S C	BPSAC/57/2018-19
21	Miss Shital Kumari	BPSAC/59/20 I 8-19

ARS trainees trained	No of days stayed
--	--

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

Date	Name of the person	Purpose of visit
22.01.2021	Dr. R.K. Jat, Scientist incharge, BISA, Pusa	Visit of CRA demonstration Unit
23.01.2021	Dr.Abhay Mankar, Dy. Director traning , BAU, Sabour	Visit of Demonstration units & KVK Farm & Visit of CRA demonstration Unit
23.01.2021	Dr. Kumari Karuna, Scientist, BAU, Sabour	Visit of Demonstration units & KVK Farm & Visit of CRA demonstration Unit
29.07.2021	Dr. R.N. Singh, ADEE, BAU, Sabour	Participated in SAC Meeting
29.07.2021	Dr. Paras Nath, Assoc. Dean cum Principal, BPSAC, Purnea	Participated in SAC Meeting
29.07.2021	Sri Dinkar Prasad Singh , DAO, Katihar	Participated in SAC Meeting
29.07.2021	Sri Jay Kishor Nagar, Akashawani, Purnea	Participated in SAC Meeting
29.07.2021	Dr. Rahul Singh, Assoc. Director, Horticulture, Katihar	Participated in SAC Meeting
29.07.2021	Sri Kameswar Singh, DDM, NABARD, Katihar	Participated in SAC Meeting
29.07.2021	Sri Rajiv Lochan, IFFCo.	Participated in SAC Meeting
29.07.2021	Sri R.K. Nikhil,DPO, JEEViKA, Katihar	Participated in SAC Meeting
27.09.2021	Dr. R.K. Jat, Scientist incharge, BISA, Pusa	Visit of CRA demonstration Unit
30.09.2021	Dr. Paras Nath, Assoc. Dean cum Principal, BPSAC, Purnea	Visit of Demonstration units & KVK Farm
28.10.2021	Dr. R.K. Sohane, DEE, BAU , Sabour	Visit of Demonstration units & KVK Farm
28.10.2021	Dr. Paras Nath, Assoc. Dean cum Principal, BPSAC, Purnea	Visit of Demonstration units & KVK Farm
28.10.2021	Dr. Vinod Kumar ,Senior Scientist & Head, KVK, Araria	Visit of Demonstration units & KVK Farm
29.11.2021	Sri Nikhil Choudhary, ex Member of Parliament	Visit of Demonstration units & KVK Farm
05.12.2021	Sri Nikhil Choudhary, ex Member of Parliament	Celebratation of World Soil Day
23.12.2021	Sri Shashi Kant Jha, Dy P.D.,ATMA, Katihar	Celebation of National Farmer Day

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)
Vermicomposting	1830	31	4900	8300
Agro Advicesory Services (GKMS)	12800	21	41300	72600
Mushroom Production	489	31	3100	7700
Bee Keeping with improved technologies	216	24	32000	79000
Organic Farming Practices	1365	26	38000	64000
Integrated Farming System	260	18	43500	73000
Backyard poultry	315	22	12300	22300
Seed production through group approach	330	19	21000	41300

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	8125
Seed treatment	3230
Vermicompost	1830
Seed production	330
Balanced fertilizer application	6500
Mushroom Production	1475

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Improved Seed	Enhance productivity of Cereals and Pulses	Productivity& income level enhanced
2	IPM	Low infestation of Pest in Cereals and Pulses	Productivity & income level enhanced
3	INM	Balance Nutrient application Cereals and Oilseed	Improves Soil health
4	IWM	Better Crop Growth in Cereals and Pulses	Productivity & income level enhanced
5	Mushroom Production	Yield increase in Oyster and Button Mushroom	Income & employment generation

4.4. Details of innovations recorded by the KVK

Thematic area	Mushroom Production
Name of the Innovation	Low cost hanging system of oyster mushroom
Details of Innovator	Sri Baleshewar Singh
Back ground of innovation	Change in hanging type of oyster mushroom for maximum utilization of area
Technology details	Generally farmers use a hut for oyster mushroom production inthis pratices area of hut is a challenge for larger production. Hanging type change provides maximum bags in a unit area.
Practical utility of innovation	Maximum utilization of area

4.5. Details of entrepreneurship development

A. Goat farming

Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	**Sri Hari Prasad Mandal** **Vill. – Mujbar Tal** **Block – Manihari** **Distt. – Katihar (Bihar)**
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 he was rearing 2 goats and presently he is rearing 12 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 – 12 (kids and adults are sold at local market)
Horizontal spread of enterprise	24

B. IFS

Name of the enterprise	Resource conservation
Name & complete address of the entrepreneur	**Sri Vishnu dev uraon** **Age:- 58 years** **Vill:-Sardahi Block- Katiahr Distt:-Katihar(Bihar)**
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	Four years
Technical Components of the Enterprise	Sri Vishnu dev uron adopted the methods of IFS. In most of his land he planted some useful fruit plants 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.185000/- per year
Status of entrepreneur before and after the enterprise	After adopting IFS, he earn and additional income of Rs. 185000/-
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 one acre land
Horizontal spread of enterprise	4

C. Beekeeping

Entrepreneurship development	
Name of the enterprise	Bee keeping
Name & complete address of the entrepreneur	**Smt Pushpa Devi** **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 Satendra Singh** **Vill:- Sakaraili** **Block- Barari** **Dist- Katihar**
Intervention of KVK with quantitative data support	Training, Demonstration, Project formation, liasioning
Time line of the entrepreneurship development	04 years
Technical Components of the	After prepration of vermicompost, he is selling @Rs . 6 per

Enterprise	kg, After starting the enterprise Sri Singh gets additional income of Rs. 4200.00
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	08

Entrepreneurship development	
Name of the enterprise	Mushroom Production
Name & complete address of the entrepreneur	**Sri Baleshwar Singh** **Vill:- Bari Bathna** **Block- Mansahi** **Dist- Katihar**
Intervention of KVK with quantitative data support	Training, Project formation, liasioning
Time line of the entrepreneurship development	03 years
Technical Components of the Enterprise	Starts oyster and Button Mushroom production
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 selling of Mushroom is not a problem.
Horizontal spread of enterprise	18

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 offfice ,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
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
Coconut development Board, Patna	Technical & Financial Support
BISA, Pusa, Samastipur	Technical & Financial Support
DPO, Katihar	Technical Support

5.2. List of special programmes undertaken during 2021by 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.)
Jeevika, Katihar	Training on Nursery Raising	November	Jeevika, Katihar	87168.00
ATMA, Vaishali	Scientific Cultivation of Dragon Fruit	December	ATMA, Vaishali	82000.00

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq .mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.(q)	Cost of inputs	Gross income	
1.	Vermi Compost Unit	2010	28		Vermi Compost	84.48	7000.00	50688	
2.	Azolla unit	2016	02	Pinnata	Azlolla	55	--	--	used in farm
3.	Mushroom Production unit	2012	25	oyster Mushroom	Oyster Mushroom	24.5	275.00	2950.00	
Total									

1.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Wheat	01.12.2020	11.04.2021	2.3	HD-2967	C/S	65.00	52900.00	214500.00	
Lentil	06.12.2020	08.04.2021	0.2	HUL-57	C/S	0.27	800.00	2160.00	
Mustard	09.12.2021	27.03.2021	0.2	RH-725	C/S	0.58	1200.00	2668.00	
Paddy	06.07.2021	06.11.2021	1.77	Sabour Sree	C/S	63.00	42480.00	151200.00	
Paddy	10.07.2021	08.11.2021	0.53	S. sampann	C/S	17.00	12720.00	40800.00	
Wheat	04.12.2021	Crop standing in field							

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.	Vermi Compost	8448	7000.00	50688.00	-
2.	Worms	09		4500.00	

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)
Feb 2021	30	390	
March 2021	25	180	
April 2021	30	240	
July 2021	25	200	
August 2021	30	600	
September to December 2021	08	672	
DEC 2021	50	250	
Dec 2021	32	96	
Total :	**230**	**2628**	

(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**

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

Statement of head wise Expenditure as of Cluster FLD (Oil Seed)								
Sl. No.	Crop	Heads of Expenditure	Sanctioned Grant	Amount released		Total amount released	Expenditure up to 31 Dec. 2021	Closing Balance (Rs.)
				OB as on 01.04.2021	Actual amount released			
1	2	3	4	5	6	7	8	9
1	Crop	Critical input	162000.00	-90470.00	0.00	-90470.00	135190.00	-225660.00
	Mustard	Monitoring activities (10% of the fund)	18000.00	-7403.00	0.00	-7403.00	6531.00	-13934.00
	TOTAL		**180000.00**	**-97873.00**	**0.00**	**-97873.00**	**141721.00**	**-239594.00**

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31st DEC 2021
	Kharif	Rabi	Kharif	Rabi	
Pulse	--	--	--	--	--

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

Statement of Expenditure (Main Grant)				
Components		Amount sanctioned in 2021-22	Amount released in 2021-22	Actual Expenditure (1st Apr. to 31 Dec., 2021)
A. Salary				
1	Pay and Allowances	12000000.00	10799700.00	7872551.00
Total (A)		12000000.00	10799700.00	7872551.00
B. General (Recurring)			448400.00	
1	T.A	72000.00		0.00
2	HRD	0.00		0.00
3	Contingency			
a.	Stationery, telephone, postage and other office charges, POL, repair of vehicle, tractor and equipment	300000.00		300000.00
b.	Training of farmers	0.00		
c.	Training materials (posters, charts, demonstration material including chemical etc. required for conducting the training)	0.00		
d.	Training of Extension	0.00		

	functionaries			
e.	Training of Rural Youth	0.00		
f.	Frontline demonstration other than Oilseeds and Pulses			
g.	On-farm testing			
h.	Soil & Water testing lab.			
i.	Maintenance of building	50000.00		50000.00
j.	Extension activities/Exhibition, Kisan Mela etc.	50000.00		27950.00
Total (B)		472000.00	448400.00	377950.00
C. Capital (Non-Recurring)				
	Equipment			
Total (c)		0.00	0.00	0.00
Total (A+B+C)		**12472000.00**	**11248100.00**	**8250501.00**

Statement of Expenditure under TSP				
Components		**Amount sanctioned in 2021-22**	**Amount released in 2021-22**	**Actual Expenditure (1st Apr. to 31 Dec, 2021)**
B. General (Recurring)			885997.00	
1.	T.A	0		
2.	HRD	36000.00		0
3.	Contingency			
a.	Stationery, telephone, postage and other office charges, POL, repair of vehicle, tractor and equipment	225000.00		122860.00
b.	Training of farmers	300000.00		293496.00
c.	Training materials (posters, charts, demonstration material including chemical etc. required for conducting the training)			
d.	Training of Extension functionaries			
e.	Training of Rural Youth			
f.	Frontline demonstration other than Oilseeds and Pulses	175000.00		32975.00
g.	On-farm testing	100000.00		23910.00
h.	Soil & Water testing lab.			
i.	Maintenance of building	0.00		
j.	Extension activities/Exhibition, Kisan Mela etc.	50000.00		0.00
Total (B)		886000.00	885997.00	460729.00

C. Capital (Non-Recurring)				
	Equipment	1000000.00	700000.00	0.00
Total (c)		1000000.00	700000.00	0.00
Total (A+B+C)		**1886000.00**	**1585997.00**	**473241.00**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019	1144724.59	603758.00	508188.50	2085894.09
2020	1649892.09	411742.00	355081.20	2206552.89
2021	26,42,277.44	1003980.00	682507.00	2963750.44

7.6. (i) Number of SHGs formed by KVKs- 04
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

S.N.	Name	Area of Acitivities	Members (No)
1	Swayam Siddha Swayam Sahayata Samuh	Vermi Compost Production	12
2	Kushwaha Swayam Sahayata Samuh	Mushroom Production	16
3	Nima Swayam Sahayata Samuh	Mushroom Production	14
4	Pokhariya Swayam Sahayata Samuh	Mushroom Production	13

(iii) Details of marketing channels created for the SHGs- Involve in providing agri external inputs and selling of vermicompost and mushroom.

S.N.	Name	Area of Acitivities	Members (No)
1	Swayam Siddha Swayam Sahayata Samuh	Vermi Compost Production	12
2	Kushwaha Swayam Sahayata Samuh	Mushroom Production	16
3	Nima Swayam Sahayata Samuh	Mushroom Production	14
4	Pokhariya Swayam Sahayata Samuh	Mushroom Production	13

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Scientist farmers Meeting	01	Rabi	ATMA, Katihar	ATMA, Katihar	Both
Training	08	Kharif	DAO, Katihar	--	--
Training	04	Rabi	DAO, Katihar	--	--
Diagnotic Field Visit	12	Kharif and Rabi	--	--	Both
Training	02	Rabi	NABARD, Katihar	--	--
Training	02	Rabi	IFFCO, Katihar	--	--
Training	04	Rabi	DPO, Katihar	--	--

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 Blight	Paddy	16.08.2021	126	8%	168
Sheath Blight	Paddy	24.08.2021	423	16%	289
Bacterial Leaf Blight	Paddy	13.09.2021	73	12%	210
Fall army worm	Maize	07.11.2021	56	13%	289

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	0	000
Livestock	0	000
Fishery	0	000
Weather	2	000
Marketing	0	000
Awareness	2	000
Training information	1	20758
Other	0	000
Total	**1**	**20758**

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	**28377**
3.	Mobile Apps developed by KVK	--
4.	Name of the App	--
5.	Language of the App	--
6.	Meant for crop/ livestock/ fishery/ others	--
7.	No. of times downloaded	--

9.5 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
1.	--	--	--	--
2.	--	--	--	--

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Swachha Bharat Programme/Pakhwara	**No of programme**	**Total No. of Participated**
16-31 Dec 2021	**16**	**461**

9.7. Observation of National Science day

Date of Observation	Activities undertaken
28.02.2021	30

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
--	--	--

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Utakrimit Madhya Vidhalaya,Kajra	11.02.2021	Agricultural Education	Audio Visual Aids and Live samples
AAM Children Academy	28.02.2021	Agricultural Education	Audio Visual Aids and live Sample

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

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

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	Empowerment of Farm Women	04	132	00	--

9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

S.N.	Name of farmer	Mobile Number	Address	Specification
1.	Smt. Sweta Roy	9852179050	Dilli Diwanganj	Nursery business & FPO director
2.	Sri Sanjay Kumar Singh	7991143703	Mahinathpur, Korha	Dragon Fruit, Inter cropping
3.	Sri Prince Kumar Patel	9128517044	Gari ghat , Katihar	Vermicompost Production
4.	Sri Kishun Rishi	8298005079	Kadwa, Katihar	Mushroom Entrepreneur
5.	Sri Gopal Mishra	9576468022	Routara, Katihar	Makhana grower, Dairy Entrepreneur
6.	Smt. Astami Devi	9910516260	Jalaharirampur, Pranpur	Mushroom Entrepreneur
7.	Sri Gaurav Kumar	8447952247	Rupaspur, Korha	Makhana grower
8.	Sri Baleshwar Singh	8969720317	Bari Bathna,Katihar	Mushroom Entrepreneur
9.	Sri Anil Kumar Singh	8051782175	Sirsa, Katihar	Vegetable Cultivation
10.	Sri Abhishek Kr. Yadav	9572732098	Mohnachandpur, Barari	Crop residue management through Happy Seeder.
11.	Sri Naresh Kumar	9939942240	Barua Tola, Dandkhora	Cereals & Vegetable Grower
12.	Md. Anwar Alam	9934507044	Musapur, Korha	Cereals & Vegetable Grower
13.	Smt. Shanti Jaiswal	9470743987	Semapur, Barari	SHGs
14.	Sri Ajay Kr. Chauhan	9608939477	Makaipur, Sandalpur Korha, Katihar	Vegetable Cultivator and vermicompost production
15.	Sri Keshav Choudhari	9546690408	Rupaspur, Korha	Makhana grower

9.13. Revenue generation

Source	Total Amount (Rs.)
Seed production Programme	411328.00
Planting Material	33150.00
Soil and water testing	47070.00
Vermi Compost	50688.00
TOTAL	**542236.00**

9.14. Resource Generation:

S.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	Bio tech Kisan Hub	Project Intervention Implementation(Makhana, Mushroom, Banana)	DBT, New Delhi	22.5	--
2.	Cluster FLD (ICAR)	Cluster FLD (ICAR)	Cluster FLD (ICAR)	.196	---
3.	TSP (ICAR)	TSP (ICAR)	TSP (ICAR)	15.85	---
4.	Swachhta Plan (ICAR)	Swachhta Plan (ICAR)	Swachhta Plan (ICAR)	0.23	--
5.	CRA	CRA	Bihar Government	6.00	--
6.	Makhana Development Scheme	Makhana Development Scheme	Bihar Government	0.5	-`--
7.	NARI	Project Intervention Implementation	ICAR	0.5	--

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2011-12	Government of Bihar	Not in Working condition
2021	IMD	functional

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Katihar	ICM	10	500	After flood late mustard variety Uttara introduced as contingent crop
Bihar	Katihar	Fodder Production	08	360	After flood Fodder crop variety CSV-33 MF promoted among dairy farmer for meeting fodder demands

10. Report on Cereal Systems Initiative for South Asia (CSISA) : N/A

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2021

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	76	1137
b.	Women	76	611
c.	Rural Youths	8	192
d.	Extension Personnel	2	48
2)	OFT	No. of OFTs	No. of beneficiaries
		03	250
3)	FLD	No. of FLDs	No. of beneficiaries
		03	60
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		109	4872
5)	Other activities		
a.	Participants in extension activities (No.)	35	
b.	Production of seed (q)	00	
c.	Production of Planting material (No. in lakh)	0.12	
d.	Production of Livestock strains (No. in lakh)	00	
e.	Production of fingerlings (No. in lakh)	00	
f.	Testing of Soil, water, plant, manures samples (Nos.)	280	
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	00	
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	16	

b. Fund received under TSP in 2021 (Rs. In lakh): **15.86**

c. Achievements of physical outcome under TSP during 2021

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	22%
2	Change in family consumption level	%	16%
3	Change in availability of agricultural implements/ tools etc.	No. per household	287

d. Location and Beneficiary Details during 2021

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T
Katihar	Korha, Pranpur, Mansahi, Dandkhora	08	Sonella,Sirsa Dalan, Musapur, Baharkhal, Barua Tola, Sauriya Shihla, Lahsa	1155	711	1866

12. Details of SCSP:N/A

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	Best Stall award	2021	KVK, Purnea	0	Stall award

Award received by Farmers from the KVK district

a) Farmer Award :

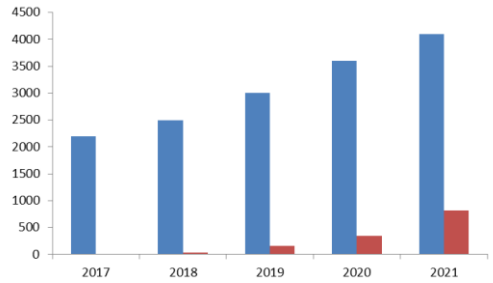
Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	BAU,Kisan Samman in Kisan Mela	Sri Prince Kumar Patel, Gari Ghaat, Katihar,	2021	BAU, Sabour	-	Vermi Composting & Vegetable Production

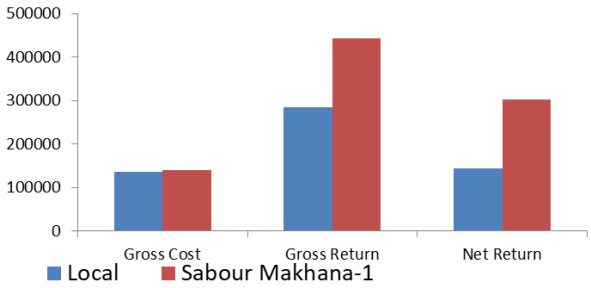
		9128517044				

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

Status of Makhana in Katihar

Crop	Variety	Year/Area (ha)					Yield (q/ha)	Lawa Recovery (%)	Economics (Rs./ha)			
		2017	2018	2019	2020	2021			Gross Cost	Gross Return	Net Return	BC ratio
Makhana	Local	2200	2500	3000	3600	4100	20	41	135600	285000 (@14250/qt)	149400	2.10
	Sabour Makhana -1	0	30	162	350	820	28	53	139350	442400 (@15800/qt)	303050	3.17





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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Kisan Sansaragro Private Limited, Pranpur, Katihar			Organic farming	Vegetable	250	1.5	Organic farming
2.	Swayam Siddha Samanay Farmer Company Limited Durgaganj, Kadwa, Katihar			Maize & Horticultural crop	Maize & Banana	368	8.5	Maize & Horticultural crop
3.	Mahananda Agro producer Company Limited, Bharri, Kadwa, Katihar			Mushroom	Oyster Mushroom	310	1.5	Marketing of Maize

17. Integrated Farming System (IFS)

A) Details of KVK Demo. Unit

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

B) Activities under IFS

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

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to 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**	• 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**	• 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**	• Uses of green mannuring, 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. • Uses of low cost nutrient management i.e. Jivamrit etc.	60,000-70,000	700-800	
4	**Mushroom Production**	• Landless husbandry • Quick and high return • Nutritional security • Income & employment generating • Alternative of crop residue management	60,000-70,000	10000-15000	
5	**Integrated Farming System**	• Uses different synergic blending of Crop, Horticultural, Dairy, Fisheries, Poultry etc • Employment to other local farmers • Decrease cost of cultivation • Multiple uses of resource and providing much needed resilience for predicated climate change, scenario	2,00,000	200-300	
6	**Backyard poultry**	• 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	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I	00	00	00	00	00
II	00	00			
Total	00	00			

20. Information on Visit of Ministers to KVKs, if any

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

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

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

17. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019, 2020 and 2021

Year	**Name of the Job role**	**Name of the certified Trainer of KVK for the Job role**	**Date of start of training**	**Date of completion of training**	**No. of participants**	**Whether uploaded to SDMS Portal (Y/N)**	**Fund utilized for the training (Rs.)**
2017-18							
2019							
2020	Beekeeper (ASCI)	Dr. Sushil kr. Singh	27.03.2021	22.09.2021	25	Yes	180000
		Smt Sweeti Kumari					

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

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2017-18	Gardener	Dr. K.P. Singh Dr. Rama Kant Singh	01.12.2017	29.01.2018	30	Yes	627300.00
2019	Vermi Compost Producer	Sri Pankaj Kumar Dr. Rama Kant Singh	10.01.2018	23.11.2018	20	Yes	152380.00
	Vermi Compost Producer	Sri Pankaj Kumar Dr. Rama Kant Singh	15.03.2019	02.08.2019	30	Yes	178474.00
2020	Vermi Compost Producer	Sri Pankaj Kumar Dr. Rama Kant Singh	15.02.2020	06.02.2021	30	Yes	-
	Beekeeper	Dr. Sushil kr. Singh Smt Sweeti Kumari	30.03.2021	31.07.2021	30	Yes	-

18. Information of NARI Project (if applicable):

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project
Dr. Reeta Singh, Senior Scientist and Head	00	00	00	05	115	05

Progress Information of NARI Project

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Aganwari kendra, Ward No-10 kendra No. 53 Pranpur	Backyard/Kitchen garden	01	30	16
	Aganwari kendra, Ward No-01 kendra No. 42 Sameli		01	30	24
	Aganwari kendra, Ward No-05 kendra No. 81 Pranpur		01	66	19
	Aganwari kendra, Ward No-14 kendra No. 47 Udamrekha		01	91	22
	Aganwari kendra, Ward No-05 kendra No. 81 Falka		01	42	18
2.	Krishi Vigyan kendra, Katihar	Community level	01	30	26
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL			06		125

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

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of beneficiaries
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
--	--	--	--	--
--	--	--	--	--

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Aganwari kendra, Ward No-10 kendra No. 53 Pranpur	Establishment of Nutritional Garden	01	22
Aganwari kendra, Ward No-01 kendra No. 42 Sameli	Importance of Geen Leafy Vegetable	01	26
Aganwari kendra, Ward No-05 kendra No. 81 Pranpur	Role of vegetables in Balance diet	01	32

Aganwari kendra, Ward No-14 kendra No. 47 Udamrekha	Different nutrients in different vegetables	01	28
Aganwari kendra, Ward No-05 kendra No. 81 Falka	Availability of vegetables through out of year	01	31

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Aganwari kendra, Ward No-10 kendra No. 53 Pranpur	Krishak Gosthi	01	28
Aganwari kendra, Ward No-01 kendra No. 42 Sameli	Krishak Gosthi	01	26
Aganwari kendra, Ward No-05 kendra No. 81 Pranpur	Krishak Gosthi	01	42
Aganwari kendra, Ward No-14 kendra No. 47 Udamrekha	Krishak Gosthi	01	33
Aganwari kendra, Ward No-05 kendra No. 81 Falka	Krishak Gosthi	01	28

Statement of Expenditure (NARI)

Fund Sanctioned	Released	Total fund	Expenditure up to 31 Dec. 2021	Balance
50000.00	50000.00	50000.00	18190.00	31810.00

19. Activities under KSHAMTA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training
--	--	--	--	--
--	--	--	--	--

20. Activities under MGMG:

Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)
--	--	--	--	--	--

21. Activity information of Farmer FIRST Programme (FFP)

Sl.	Modules	Activity Information		
		Demo (No.)	No. of Farm Families	
1.	NRM Module	--	--	
2.	Crop Module	--	--	
3.	Horticulture Module	--	--	
4.	IFS Model	--	--	
		Demo (No.)	No. of Farm Families	No. of Animals
5.	Livestock & Poultry	--	--	--
		No. of Program	No. of farmers	
6.	Extension Activities	--	--	

22. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	105	--	--	--	--	--	--	--	--	--	--
KKA-II	76	--	--	--	--	--	--	--	--	--	--

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

Name of programme	*No. of Programme*	*Total quantity distributed*				*No. of farmers benefited*									
		Seed (q)	*Planting material (lakh)*	*Input (kg)*	*Other (kg/ No.)*	*SC*		*ST*		*Others*		*Total*			*No. of other officials (except KVK) attended the programme*
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	25	30.704	0.125	30704	-	--	--	--	--	--	--	--	--	3838	52
KKA-II	25	17.136	0.06	17136	--	--	--	--	--	--	--	--	--	2142	45

C. Livestock and Fishery related activities

Name of programme	*No. of Programme*	*Activities performed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		No. of animals vaccinated	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals / birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	25	11186	-	-	-									11186	40
KKA-II	25	12900	-	-	-									12900	40

D. Other activities

Name of programme	*Activities*	*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
KKA-I	Soil Health Card Distributed	22	29	59	48	3058	309	3139	386	3525	35

	NADEP Pit established	00	00	04	00	222	74	226	74	300	25
	Farm implements distributed	00	00	00	00	00	00	00	00	00	00
	Others, if any										
KKA-II	Soil Health Card Distributed	156	65	126	103	2958	244	3240	412	3652	52
	NADEP Pit established	00	00	00	00	00	00	00	00	00	00
	Farm implements distributed	12	08	30	32	219	52	261	92	353	25
	Others, if any										

Krishi Kalyan Abhiyan- III

No. of villages covered	***No. of animal inseminated***	***No. of farmers benefitted***									***Any other, if any (pl. specify)***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	T	
100	339	00	00	00	00	339	00	339	00	339	

Krishi Kalyan Abhiyan- *I*

Activity	Total Target	No. of villages	Farmers Benefitted	No. of Units
Distribution of Soil Health Cards	3525	25	3593	3593
Distribution of Mini Kits of pulses and oilseeds or paddy	2566	25	3838	3838
Distribution of Horticulture/Agro Forestry/Bamboo plant @ 5 per family(location appropriate)	12500	25	3100	15500
Making NADEP Pits in each village	300	300	300	300
100% coverage of bovine vaccination(FMD) in each village	100% Saturation	25	11186	11186
100% coverage of Sheep and Goat for eradication of PPR	100% Saturation	25	9675	9675
Artificial insemination saturation	2500	25	423	423
Training programmes	75	25	9350	105

Village	No. of Soil Health Cards distributed	No. of mini Kits of pulses and oilseeds distributed	No. of Horticulture/ Agro Forestry/ Bamboo plant (5 per family) distributed	No. of bovines vaccinated	No. of sheep & goat vaccinated for eradication of PPR	No. of artificial inseminations	No. of Training Programmes Organized
Total	**3593**	**3838**	**15500**	**11186**	**9675**	**423**	**181**
Ahmadabad	0	0	0	0	0	0	0

Amdaul	100	155	500	700	400	10	5
Amirpur Hardas	0	0	0	0	0	0	0
Amol	0	0	0	0	0	0	0
Amol	0	0	0	0	0	0	0
Anarkali Patti	0	0	0	0	0	0	0
Azamnagar	0	0	0	0	0	0	0
Babhani	0	0	0	0	0	0	0
Baghmara	0	0	0	0	0	0	0
Bahar khal	0	0	0	0	0	0	0
Baidol	0	0	0	0	0	0	0
Baisa Ramna	0	0	0	0	0	0	0
Bakhri	0	0	0	0	0	0	0
Bakia	0	0	0	0	0	0	0
Barari	0	0	0	0	0	0	0
Baretha	0	0	0	0	0	0	0
Bargaon	0	0	0	0	0	0	0
Barinagar	0	0	0	0	0	0	0
Basgarha	0	0	0	0	0	0	0
Bastaul	0	0	0	0	0	0	0
Bathaili	255	147	1500	835	800	23	6
Bauilia	0	0	0	0	0	0	0
Baura	0	0	0	0	0	0	0
Bazidgachh	125	155	500	250	300	28	5
Beltar	0	0	0	0	0	0	0
Belwa	0	0	0	0	0	0	0
Berho	105	155	500	400	400	3	5
Bhaisdiara	0	0	0	0	0	0	0
Bhandartal	0	0	0	0	0	0	0
Bhangha	0	0	0	0	0	0	0

Bharsia	0	0	0	0	0	0	0
Bhatwara	0	0	0	0	0	0	0
Bhermara	0	0	0	0	0	0	2
Binodpur	0	0	0	0	0	0	0
Bisaria	0	0	0	0	0	0	0
Chandpur	0	0	0	0	0	0	0
Chandwa	0	0	0	0	0	0	0
Chanpi	0	0	0	0	0	0	0
Charkhi	0	0	0	0	0	0	0
Chatar	0	0	0	0	0	0	0
Chhohar	0	0	0	0	0	0	0
Chhotki Chatar	0	0	0	0	0	0	0
Chilhania	103	155	500	400	275	4	5
Chilmara	0	0	0	0	0	0	3
Dalan	0	0	0	0	0	0	0
Dand Khora	0	0	0	0	0	0	0
Dealpur	0	0	0	0	0	0	0
Debipur Kathi	0	0	0	0	0	0	0
Dhanetha	0	0	0	0	0	0	0
Dharmaili	0	0	0	0	0	0	0
Dhuriahi	0	0	0	0	0	0	0
Dighrisalempur	0	0	0	0	0	0	3
Dilarpur	0	0	0	0	0	0	0
Diwandih	0	0	0	0	0	0	0
Dumar	0	0	0	0	0	0	0
Dumaria	0	0	0	0	0	0	0
Dumaria Bishunpur	0	0	0	0	0	0	0
Fatehnagar	0	0	0	0	0	0	0

Genrabari	0	0	0	0	0	0	0
Ghasi Tola	0	0	0	0	0	0	0
Gobindpur	125	155	500	250	400	39	5
Gobindpur	0	0	0	0	0	0	0
Gobrahi Diara	125	123	500	1100	1100	13	5
Gorhipachma	0	0	0	0	0	0	0
Gurgawan	0	0	0	0	0	0	0
Gurmaila	0	0	0	0	0	0	0
Hariharpur	0	0	0	0	0	0	3
Harparshad	0	0	0	0	0	0	0
Harsua	250	155	1000	600	400	9	5
Hathia Ramna	0	0	0	0	0	0	0
Husena	0	0	0	0	0	0	0
Jagbati	0	0	0	0	0	0	0
Jamra	105	155	500	450	375	9	1
Jhula	100	155	500	850	275	3	5
Kabar	0	0	0	0	0	0	0
Kaldehi	130	155	500	350	300	10	5
Kalikapur	0	0	0	0	0	0	0
Kamra	0	0	0	0	0	0	0
Karimullahpur	0	0	0	0	0	0	0
Katakus	0	0	0	0	0	0	0
Katihar	0	0	0	0	0	0	0
Kebala Milik	0	0	0	0	0	0	0
Khaira	0	0	0	0	0	0	0
Khajuria	0	0	0	0	0	0	0
Khiria	0	0	0	0	0	0	3
Khodna	0	0	0	0	0	0	0
Khonta	0	0	0	0	0	0	0

Khuriyal	0	0	0	0	0	0	0
Kishunpur	0	0	0	0	0	0	0
Kumaripur	0	0	0	0	0	0	0
Kumhra	0	0	0	0	0	0	0
Kuraitha	0	0	0	0	0	0	0
Kursail	0	0	0	0	0	0	0
Kusiari	0	0	0	0	0	0	0
Lachhmipur	0	0	0	0	0	0	0
Lachhmipur	0	0	0	0	0	0	0
Lachhmipur	0	0	0	0	0	0	0
Lahsa	0	0	0	0	0	0	5
Lakhanpur	0	0	0	0	0	0	0
Lalia	0	0	0	0	0	0	0
Lohagara	0	0	0	0	0	0	0
Lohni	0	0	0	0	0	0	0
Lutipur	0	0	0	0	0	0	0
Madhaili	0	0	0	0	0	0	0
Madhubani	0	0	0	0	0	0	0
Madhura	0	0	0	0	0	0	0
Mahamdia	0	0	0	0	0	0	0
Maheshpur	0	0	0	0	0	0	0
Maheshwa	0	0	0	0	0	0	0
Mahinagar	130	155	500	300	300	11	5
Mahinathpur	0	0	0	0	0	0	0
Mahna Chandpur	0	0	0	0	0	0	0
Mahuar	0	0	0	0	0	0	0
Maira	0	0	0	0	0	0	0
Majhaili	0	0	0	0	0	0	0

Makaipur	0	0	0	0	0	0	3
Malikpur	250	155	500	300	300	39	4

Name of Training Programme	Target	Achievement	Famers Benefitted

Mangan patti	0	0	0	0	0	0	0
Mania	0	0	0	0	0	0	3
Marghia	0	0	0	0	0	0	0
Maria	150	155	500	401	300	10	5
Marwa	0	0	0	0	0	0	0
Mathurapur	0	0	0	0	0	0	0
Mehdai	0	0	0	0	0	0	3
Mianpur	0	0	0	0	0	0	0
Mohadipur	0	0	0	0	0	0	0
Mohanpur	0	0	0	0	0	0	3
Mohjan	0	0	0	0	0	0	0
Morangi	0	0	0	0	0	0	0
Morsanda	0	0	0	0	0	0	0

Krishi Kalyan Abhiyan- II

Development/Upgradation of Gramin Haats in Convergence with MGNREGA	01	01	01
Organizing awareness campaign for PMFBY	25	609	609
Demostration programmes on Micro irrigation	01	01	01
Demostrations of integrated cropping practice	01	01	01
Distributions of 10 to 20 agriculture implements per village	250	353	353
Training programmes(3 trainings per villages minimum 50 farmers per training)	75	76	4576
Artificial insemination saturation	9900	3726	3726
100% coverage of Sheep and Goat for eradication of PPR	5000	7300	7300
100% coverage of bovine vaccination(FMD) in each village	10000	12900	12900
Making NADEP Pits/Vermicompost in each village	500	625	625
Distribution of Horticulture/Agro Forestry/Bamboo plant @ 100 farmers per villages @ 5 plants per farmer(location appropriate)	12500	6000	6000
Distribution of Mini-kits of pulses and oilseeds	2142	2142	2142
Distribution of Soil Health Cards	3652	3652	3652

Village	Soil Health Cards	Mini Kits	Horticulture/ Agro Forestry / Bamboo plant	NADEP Pits	Bovine vaccination(FMD)	Sheep and Goat for eradication of PPR	Artificial Insemi nations	Training Programmes	Agriculture Implements	PMFBY
Bhermara	160	86	0	25	600	400	10	2	5	34
Chilmara	125	85	0	25	600	300	30	3	5	36
Hariharpur	100	85	0	25	450	400	55	3	19	0
Lahsa	100	85	0	25	450	200	2	5	13	2
Makaipur	125	86	0	25	150	200	108	3	5	0
Mehdai	100	86	0	25	300	100	6	3	6	0
Mohanpur	100	86	0	25	600	700	16	3	16	11
Nima	160	85	0	25	450	200	20	3	15	10
Nimaul	200	85	0	25	300	200	6	3	4	0
Pokharia	125	87	600	25	150	200	38	3	6	0
Rautara	220	85	600	25	1200	200	24	3	89	0
Sakraili	200	85	0	25	600	200	12	3	7	103
Sardahi	100	86	0	25	300	100	0	2	5	1

Shivadih	100	86	0	25	150	200	18	3	7	0
Sirsa	100	87	0	25	600	100	78	4	16	9
Sonapur	100	85	0	25	150	300	4	3	2	25
Tapka	100	86	0	25	300	100	0	3	7	121

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

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

Zinc Bio-fortified wheat cultivars performance:

Crop	Variety	Plant height (cm)	No. of tiller	no. of bearing tiller	No. of Grain /spick	1000 seed weight (gm)	Grain yield (q/ha)	Straw Yield (qt/ha)	HI (%)	Gross Income (Rs)	cost of cultivation (rs)	Net Income (Rs)	BC ratio
Wheat	BHU 31	9.22	7.11	32.98	36.29	30.63	36.75	67.38	45.46	62485.25	22678.33	39806.92	2.76
	BHU 25	9.13	7.29	34.36	36.87	33.25	39.15	72.39	45.94	67299.66	22620.00	44679.66	2.98

CRA programme
A. Physical achievement of CRA programme upto Dec. 2021:
(i) In CRA villages:

S.N	Intervention	Crop	Varieties	Target (Demo)	Achievement (Demo)	Demo Size (acre)
1	Raised Bed Planting (Maize)	Maize	P3388	350	**280**	0.5
			DEKALD 9081			
			NK 7720			
			NK 6702			
			P3355			
2	Zero tillage of wheat	Wheat	HD 2967	100	**130**	1.0
3	Raised Bed of Wheat	Wheat		50		
4	Zero tillage lentil	Lentil	HUL 57	25	**25**	1.0
5	Raised bed planting Mustard	Mustard	RH 725	35	**35**	1.0
			RH 749			
			Pusa Tarak			
			Mustard 5222			

			Mustard 45S42			
6	**Nutrient expert**	Wheat	HD-2967	20	20	1.0
7	**INM**	Wheat	HD-2967	20	20	0.5
8	**Community Irrigation**			20	-	
9	**Potato based farming system**	potato	Kufri Lauvkar Kufri Sindhuri Kufri Chandramukhi	10	10	0.3
10	**Raised Bed Chickpea**	Chick pea	GCP 105	Nil	10	0.25

(ii) KVK farm under CRA (1.0 ha):

Proposed intervention	**Area (ha)**	**Variety**
Zero tillage of Wheat	0.30	HD 2967
Raised Bed of Wheat	0.30	HD 2967
Nutrient Expert	0.20	HD 2967
Zero tillage Lentil	0.08	HUL 57
Zero tillage Mustard	0.06	RH 725
Raised bed Mustard	0.06	RH 725

Financial progress of CRA (upto Dec 2021)

Expenditure Amount From Jan 2021 To Dec. 2021						
S.N.	**Line Items**	**Sanction during the year 2020-24**	**Opening Balance as on 01.01.2021**	**Fund Received during the year**	**Expenditure up to Dec. 2021**	**Closing Balance up to 31.12. 21**
1	A. Capacity/skill devel, training material	500,000.00	47,520.00	1,00,000.00	1,52,819.00	-5,299.00
2	B. Operational cost of farmers participatory demonstrations	1,000,000.00	39,989.00	2,00,000.00	2,12,520.00	27,469.00
3	C. Operational cost laser land levelling (100 acre per year)	1,000,000.00	0.00	-	-	0.00
4	D. Community irrigation	2,000,000.00	0.00	-	-	0.00
5	E. Workshop, field day, travelling seminar, stakeholders meets	1,000,000.00	1,28,600.00	2,00,000.00	2,05,799.00	122,801.00
6	F. POL/hired vehicles	500,000.00	52,172.00	1,00,000.00	1,09,778.00	42,394.00
Total		**6,000,000.00**	**2,68,281.00**	**6,00,000.00**	**6,80,916.00**	**187,365.00**

4. Biotech Kisan Hub:

1. A crisp, small and brief paragraph highlighting the most significant achievements and actual benefits accrued to the farmers during the year 2021-2022 (max 500 words)

Activity I- Demonstration of Makhana cultivation in farmer's field with improved Var. Sabour Makhana-1:

1. Makhana variety Sabour Makhana -1 along with fertilizer and bio insecticides demonstrated in 25 ha area.

2. Total 25 farmers covered in this activity. Line departments officials also observed demonstration and satisfied with results

3. Net income increase Rs. 89600/- in comparison to traditional Makhana cultivation

4. Yield enhancement found 62.44% at farmer's field due to adoption of new Makhana Variety (Sabour Makhana-1) in comparison to traditional Makhana cultivation

Activity II- Field demonstration of tissue culture Banana:

1. Tissue culture Banana Variety G-9 along with, Fertilizers, insecticides fungicides, and Bio fungicides demonstrated in 10 acre area.

2. Fertilizers recommendation calculated on the basis of Soil Health card

3. Net income increase Rs. 38640/- in comparison to traditional Banana cultivation

Activity III- Mushroom cultivation:

1. Round the year Mushroom demonstration like Oyster, Milky and Button in different season with Spawn, Substrate, P.P. bags, rubber, and Formalin and Bavistin demonstrated with 25 household.
2. Use of thermocol for roof ceiling in Mushroom house to maintaining room temperature and humidity.

3. 25 House hold started round the year Oyster, Milky and Button Mushroom Cultivation as a Income generating activity and House hold Nutritional Security

4. Net annual income Rs. 2,42,680/- through mushroom cultivation

2. Number of direct and indirect farmers beneficiaries (including women and SC/ST farmers) during the year 2021-2022 (max 100 words)

Activity I- Demonstration of Makhana cultivation in farmers field with improved Var. Sabour Makhana-1:										
Direct Farmers Beneficiaries					Indirect farmers beneficiaries					Total
Women	SC	ST	Generals & Others	Total	Women	SC	ST	Generals & Others	Total	
6	9	7	28	**50**	92	67	34	97	**290**	**340**

Activity II- Field demonstration of tissue culture Banana:										
Direct Farmers Beneficiaries					Indirect farmers beneficiaries					Total
Women	SC	ST	Generals &	Total	Women	SC	ST	Generals &	Total	

			Others					Others		
			20	**20**	68	28	24	113	**233**	**253**

Activity III- Mushroom cultivation:										
Direct Farmers Beneficiaries					Indirect farmers beneficiaries					Total
Women	SC	ST	Generals & Others	Total	Women	SC	ST	Generals & Others	Total	
46	16	10	28	**100**	368	136	108	160	**772**	**872**

3. Number of training programmes / events organized during the year 2021-2022 (max 100 words)

Activity I- Demonstration of Makhana cultivation in farmers field with improved Var. Sabour Makhana-1:			
	No. of trainees participated		
Name of the training Programme	Male	Female	Total
Scientists and Farmers Interaction	61	117	178
Azadi Ki Amrit Mahatsav	98	146	244
Field day	119	86	205

Activity II- Field demonstration of tissue culture Banana:			
	No. of trainees participated		
Name of the training Programme	Male	Female	Total
Scientists and Farmers Interaction	84	38	122
Azadi Ki Amrit Mahatsav	126	62	188
Field day	54	17	71

Activity III- Mushroom cultivation:			
	No. of trainees participated		
Name of the training Programme	Male	Female	Total
Scientists and Farmers Interaction	101	231	332
Azadi Ki Amrit Mahatsav	186	348	534
Field day	98	187	285

4. Number of rural entrepreneurships developed during the year 2021-2022 (max 100 words)

Activity I- Demonstration of Makhana cultivation in farmers field with improved Var. Sabour Makhana-1:	
Name of the rural entrepreneurship	Description
Mr. Ranjeet Kumar: Doubling income by cultivating Sabour Makhana-1	Mr. Ranjeet Kumar was mostly grow wheat and paddy, Saket's decision to grow makhana not only helped his family emerge out of a debt-ridden state but also empowered him to provide quality education to his children. who now earns Rs 3.5 lakh annually just from selling makhana seeds
Activity II- Field demonstration of tissue culture Banana:	
Name of the rural entrepreneurship	Description
Mr. Mukesh Kumar: Banana growers and exporters	Mr. Mukesh Kumar (38) is a leading in banana farmers from Binji village in Katihar, Bihar. He has adopted under Biotech KISAN-Hub at

	Krishi Vigyan Kendra, Katihar. "He has got training on Banana cultivation and marketing. He has make a whatsApp group of Banana farmers and looked up all the procedural activities for export. Now he has fully involved in trading of Banana for domestic and national markets".
Activity III- Mushroom cultivation:	
Name of the rural entrepreneurship	Description
Smt. Babita Devi: A housewife - turned- entrepreneur in Mushroom Cultivation	Mrs. Babita Devi was is facing financial constraints after jobless of his husband due to Lock down and now she was in mood to starts a Job for the survival of family. She Joined training programme organized by KVK, Katihar under Biotech KISAN Hub project and due to her Zeal. She was selected as a beneficiary farmer in project under the Intervention Mushroom cultivation. Under the assistance in Biotech KISAN Hub Project she get Spawn, PP bag, Packaging materials, Formalin & Bavistin from Project and other materials are available at local level. She starts Milky Mushroom cultivation with 700 bags. She also encourages other women for Mushroom Production and its value addition.

a. Physical and financial progress (Janaury to December 2021)

Sl. No.	Head	Sanctioned 2021-22	Opening Balance As on 01.04.2021	Fund Release (in Lakh)	Total	Expenditure up to 22 Dec. 2021	Closing Balance As on 22 Dec. 2021
A.	**Non-Recurring**						
1	Equipment/Infrastructure		0.00	0.00	0.00	0.00	0.00
B.	**Recurring**						
1	Manpower (Two posts of Young Professional-II @ Rs. 25,000/- fixed per month as per ICAR norms	600000.00	400340.00	199660.00	600000.00	428558.00	171442.00
2	Training to Farmers	200000.00	0.00	200000.00	200000.00	86738.00	113262.00
3	Activity Cost including cost of consumable/agriculture inputs, contingencies, travel etc.) Minimum 03 activities to be undertaken @ Rs. 4.66 Lakh each activity	1450000.00	0.00	1450000.00	1450000.00	1069775.00	380225.00
(i)	Makhana	483333.00	0.00	483333.00	483333.00	305383.00	177950.00
(ii)	Banana	483334.00	0.00	483334.00	483334.00	387638.00	95696.00
(iii)	Mushroom	483333.00	0.00	483333.00	483333.00	376754.00	106579.00
Total		**2250000.00**	**400340.00**	**1849660.00**	**2250000.00**	**1585071.00**	**664929.00**

7. GKMS

Physical achievements:

- No. of Blocks Agromet advisory bulletin published - **15**
- No. of advisory bulletin published - **106**
- Advisory prepared in both languages: **Hindi and English**.
- Farmers awareness programme- **22**
- No. of farmers receiving Agromet advisory bulletin through social media- **12800**
- On line training program through virtual meet : **05**
- Farmer's feedback collection :**135**

Financial achievements:

SL No	Head	Opening Balance (As on 01.04.2021)	Fund Sanctioned	Released	Total fund	Expenditure up to 31 Dec. 2021	Balance
1	Remunaration/Salary of man Power	-295458.00	0.00	623700.00	328242.00	776331.00	-498674.00
2	Contingency					43135.00	
3	Travel					0.00	
4	Outreach including FPA					7450.00	
	Total	**-295458.00**	**0.00**	**623700.00**	**328242.00**	**826916.00**	**-498674.00**

8. Makhana Development Scheme:

Farmers selected and seed (Sabour makhana -1) distributed among farmers

S.N.	No of Farmers	Area (ha)	quantities of seed (kg)
1.	50	50	1500 kg

Financial achievements:

SN	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1.	50000.00	44180.00	5820.00

9. Participatory Seed Production Programme (Linseed):

Sl. No	Crop	No./Area (ha.)	Season	Variety	Beneficiaries
1	Linseed	4 ha	Rabi	SabourTisi -1	10

World Environment Day:

Date	Place	Plants planted
05/06/2021	KVK, Katihar	28

National Nutrition Month:

Date	Place	Total No. Participants	Subject
04.09.2021	Lahsa, Katihar	42	Balanced Diet, Importance of Drumsticks, Drumstick Leaves and Other Leafy Vegetables, Measures to Combat against Anemia, Malnutrition and under nutrition, Mushroom cultivation
27.09.2021	KVK, Campus	206	
30.09.2021	KVK, Campus	53	

Kisan Club

Name of Village	Name of Block	Name of Kisan Club	No. of farmer
Sirsa	Katihar	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

***