ANNUAL REPORT 2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Chirang	Office	FAX	kvkbngn@gmail.com
PO: Kajalgaon, Dist: Chirang			
BTAD, PIN: 783385			

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

Address	Teleph	none	E mail
	Office	FAX	
Assam Agricultural University	0376-2340013	0376-2340001	kvkaau@gmail.com
Jorhat-785013			

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

Name	Telephone / Contact				
	Residence	Mobile	Email		
Dr. Kameswar Das	-	9854071472	kameswardas@rediffmail.com		

1.4. Year of sanction: 2004

1.5. Staff Position (As on 31st March, 2019)

SI. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Dr. Kameswar Das	Programme Coordinator	Agronomy	37,400- 67,000	1,93,800.00	17.08.11	Permanent	General
2	Subject Matter Specialist	Dr. Hiranya Kumar Baruah	SMS	Agril. Economics	15,600- 39,100	73,200.00	07.11.08	Permanent	General
3	Subject Matter Specialist	Ms Mandakini Bhagawati	SMS	Horticulture	15,600- 39,100	61,300.00	10.10.15	Permanent	General
4	Subject Matter Specialist	Dr Rajeev Bhandar Kayastha	SMS	Animal Science	15,600- 39,100	61,300.00	17.10.15	Permanent	General
5	Subject Matter Specialist	Mr. Mahesh Kalita	SMS	Agronomy	15,600- 39,100	61,300.00	04.02.14	Permanent	General
6	Subject Matter Specialist	Ms. Juri Talukdar	SMS	Entomology	15,600- 39,100	56,100.00	26.04.18	Permanent	OBC
7	Subject Matter Specialist	Mr. Poran Kishor Dutta	SMS	Soil Science	15,600- 39,100	56,100.00	25.08.18	Permanent	General
8	Programme Assistant	Mr Sailen Talukdar	Programme Assistant	Crop Physiology	8000- 35,000	50,500.00	21.03.09	Permanent	SC
9	Computer Programmer	Anirban Singha	Computer Programme Assistant	-	8000- 35,000	38,700.00	06.08.15	Permanent	General
10	Farm Manager	Mr Jyotish Sarma	Farm Manager	Crop Physiology	8000- 35,000	41,100.00	09.09.11	Permanent	General
11	Accountant cum Superintendent	Mr. Pradip Kumar Roy	Supperintendent cum Accountant	-	8000- 35,000	39,900.00	25.02.12	Permanent	OBC
12	Jr. Stenographer cum computer operator	Mr. Mrinmoy Jyoti Dutta	Jr. Stenographer cum computer operator	Stenography	5200- 20200	25,500.00	04.02.19	Permanen	General
13	Supporting staff	Mr. Levi Murmu	Supporting staff	-	4,560-	25,500.00	16.10.04	Permanent	OBC

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					15,000				
14	Driver	Mr. Lakhi	Driver cum	-	5,200-	27,220.00	20.02.12	Permanent	ST
		Ram Brahma	Mechanics		20,200				
15	Driver	Mr. Sanju	Driver cum	-	5,200-	26,000.00	20.02.12	Permanent	ST
		Boro	Mechanics		20,200				
	Total								

1.6. a. Total land with KVK (in ha)

:12.00 ha

b. Total cultivable land with KVK (in ha) :7.49 ha c. Total cultivated land (in ha) :6.00 ha

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S. No.	Item	Area (ha)
1	Under Buildings (Administrative building)	4.00
2.	Under Demonstration Units	2.00
3.	Under Crops (Cereals, pulses, oilseeds etc.)	2.00
4.	Under vegetables	1.00
5.	Orchard/Agro-forestry	2.00
6.	Others (Medium land)	1.00

1.7. Infrastructural Development:

A) Buildings

		Source Stage						
cı			of Complete			Incomplete		
No.	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building with training hall	ICAR	31.3.13	400	47,19,000.00	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)					-	-	-
	a. Azolla tank	RKVY	31.03.13	51	246000.00			
	b. Vermicopost unit	RKVY	31.03.13	52	246000.00			
	c. Shade net house	RKVY	31.3.14	100	500000.00			
	d. Goatary unit	TSP	31.3.19	45	200000.00			
	e. Poultry unit	TSP	31.3.19	45	200000.00			
5.	Fencing	ICAR	31.3.13	406 m	1500000.00-	-	-	-

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	AS03 E 0026	2006	4.90 lakh	151011	Good
Tractor	19B 1740	2006	3.66 lakh	1121	Good
Motocycle	AS26 9226	2017	0.67 lakh	5000	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Copier Machine (1 No.)	2006-07	0.54	Good
Digital Camera (1 No.)	2015-16	0.14	Good
Copier Machine (1 No.)	2009-10	1.20	Good
Computer (2 No.)	2009-10	0.63	Good
Computer (2 No.)	2016-17	1.00	Good
Computer UPS (1 No.)	2009-10	0.12	Good

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LCD projector (1 No.)	2009-10	0.98	Good
Laser printer (1 No.)	2009-10	0.06	Good
Scanner (2 No.)	2009-10	0.07	Good
Ralson By Closure Machine (1No.)	2011	-	Good
Mixer Grinders (1No.)	2012	-	Good
Autoclave(1 no)	2012	-	Good
Universal Hot air Oven (1 No)	2012	-	Good
Rotary Flask shaker Shaker (1 No)	2012	-	Good

1.8. A). Details SAC meeting* conducted in the year 2018-19

Participa	nts	SAC recommendation
1 05.02.18 Enclosed in A	nnexure I Enclosed in Annex	ure II Enclosed in Annexure III

* Attach a copy of SAC proceedings along with list of participants

2. DETAILS OF DISTRICT

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

Farming system/enterprises
Agriculture (field crops)—Horticulture (Fruits and vegetables)
Agriculture (Field crops)—Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
Agriculture (Field crops) – Fishery
Agriculture (Field crops)—Sericulture (Eri and muga silkworm)
Agriculture (Field crops)—Horticulture – Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Fishery
Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Forestry
Agriculture (Field crops)—Animal Husbandry (Piggey, duckery, goatary, poultry and dairy)-Fishery
Agriculture (Field crops)—Animal Husbandry (Piggey, duckery, goatary, poultry and dairy)-Forestry

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

A. Agro-climatic Zone:

SI.	Agro-climatic	Characteristics
No	Zone	
1.	Lower	The soil of the zone is mostly acidic in nature and soil PH gradually increases towards the
	Brahmaputra	river Brahmaputra. The soil is medium to high in organic carbon and available N and
Valley Zone P_2O_5 low and medium in K ₂ O status. Four orders of soils are found i		P ₂ O ₅ low and medium in K ₂ O status. Four orders of soils are found in the zone (i) Entisol,
		(ii) Inceptisol, (iii) Alfisol and (iv) Ultisol.

B. Agro-ecological Situations

SI. No	Agro-climatic Zone	Characteristics
1.	Foot hill old mountain valley alluvial plain	The northern part of the district comprising this situation contains old mountain valley alluvial soils (Alfisol & Ultisol). Build up of alluvial materials washed down from the hill slops. Surface soil is light yellow to pale brown, compact, sticky and plastic. Generally, medium to heavy in soil texture. The elevation is higher towards foot hills which gradually slop towards south.
2.	Flood prone recent riverine alluvial plain	Recent riverine alluvial (Entisol), sandy to sandy loam in soil texture. This situation is represented by an almost flat topography which often experiences flood hazard. Apart from some natural depressions, some riverine islands are also in existence.
3.	Flood free riverine	Old riverine alluvial type (Inceptisol). The texture of the surface soils ranges from

			4
	alluvial middle	sandy loam to loam, silty clay loam, silty clay and clay. The topography is almost	
	plain	plain.	
4.	Hill and Hillock	Old alluvial type (Alfisol), sandy to sandy loam in texture and acidic in nature. The	ć
		topography is undulating.	

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2.3 Soil types

SI. No	Soil type	Characteristics	Area in ha
1.	Light gray	Sandy loam to silly loam in texture	186.00
2.	Red soil (Mixed)	High in 'Fe' and 'Al' oxides. Fairly well drained soil	48349.33
3.	Sandy soil	Light textured soil	162.66
4.	Sandy loam	Medium textured	489.50
5.	Clay loam	Heavy textured. Poor external as well as internal drainage	228.54

2.4.	Area, Production and Productivity of major crops cultivated in the district					
SI. No	Сгор	Area (ha)	Production (ton)	Productivity (Qtl /ha)		
1	Autumn Rice	10568.5	10663.62	10.09		
2	Winter Rice	38910.6	61634.40	15.84		
3	Boro Rice	1566	3875.85	24.75		
4	Wheat	1064	1755	16.49		
5	Maize	478	291	6.09		
6	Arhar	382.5	318.62	8.33		
7	Green gram	143.5	58.26	4.06		
8	Black gram	1364	636.98	4.67		
9	Gram	213	100	4.70		
10	Lentil	2050.5	1060.10	5.17		
11	Peas	883	675.50	7.65		
12	Other Pulses	754	367.95	4.88		
13	Rapeseed & Mustard	8683.5	3490.77	4.02		

2.5. Weather data

Month/Year	Rainfall (mm)	Temperature ⁰ C		Relative Humidity
		Maximum	Minimum	(%)
April 2018	325.0	34.5	17.9	80.5
May 2018	375.6	36.7	22.1	85.7
June 2018	368.1	36.3	20.8	84.8
July 2018	425.6	35.9	22.6	82.8
August 2018	725.8	38.6	23.1	92.2
September 2018	965.7	38.1	23.9	91.6
October 2018	464.5	34.2	17.3	90.5
November 2018	5.2	29.6	12.0	76.2
December 2018	8.6	26.5	8.5	77.1
January 2019	1.2	25.2	5.0	70.6
February 2019	0.6	25.4	8.4	75.3
March 2019	42.5	28.1	11.0	78.5

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

Category	Population	Production	Productivity		
Cattle					
Crossbred	462	1329 liters/day	3.31 litrs./day		
Indigenous	36952	9000 liters/day	300 ml/day		
Buffalo					
Crossbred	194	500 liters/day	3 liters/day		

Indigenous	666	600 liters/ day	1 liters/day	
Sheep				
Crossbred				
Indigenous	6167	-	-	
Goats	24902	10 ton kg/year	5 kg/animal	
Pigs				
Crossbred	4948	CO ton kakupar		
Indigenous	9412	ou ton kg/year	25 kg/dliillidi	
Rabbits	-	-	-	
Poultry				
Backyard	68320	Meat: 5 ton/year	Meat: 0.83 kg/ animal	
Farm	255913	Eggs: 32 lakhs nos	90 eggs/bird	
Improved	-	-	-	
Ducks	-	-	-	
Turkey and others	-	-	-	

Category	Area	Production(MT)	Productivity (Kg/ha)
Fish	2695	57394.31	2150
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Category	Area (ha)	Production(MT)	Productivity (Kg/ha)
1. Tank and pond	332	7138	2150
2. Beel	6201	21393	345
3. River	256	640	250
4. Paddy field	621	9135	150
5. Forest Fishery	0.85	46	550
6. Others	211	369	175

(Source: SREP, Chirang)

Note: Pl. provide the appropriate Unit against each enterprise

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SI.	Taluk/ Eleka	Name of the	Name of the village	Major crops & enterprises	Major problem	Identified thrust area
NO.		block			identified	
1.	Kajalgaon	Sidli	South Kajalgaon, Kasikotra,	Rice,	-Soil acidity	-Acid soil
			Hulmagaon No. 1, Saljhora,	rapeseed &	-Rain fed	management
			Baikhungaon, Tangabari,	mustard,	farming	-Productivity
			Padmapur, Nimagaon, Kolobari,	sesame, black	-Low rate of	enhancement
			Banduguri, Sundari, Kashikotra,	gram,	seed	in major field
			Hatipota, Dangaigaon,	buckwheat,	replacement	crops.
			Baikhungaon, Dwkhanagar	kharif & rabi	- Yield gap in	-
			Tirimari, Basugaon,	vegetables,	paddy, pulses,	Popularization
			Runikhata, Dadgiri,	maize,	oilseeds,	of HYVs
			Deoshree, Tukrajhar, Mulandubi,	banana etc.	fruits and	- Seed and
			, Amlaiguri, North	are important	vegetables	planting
			Sukhanipara, Thuribari,	crops.	-Imbalance	material
			South Silkaguri, Sakatiuzanpara,		use of	production
			Sakati Bhatipara, Fulguri,	Major	chemical	Commercial
			Khagrabari, Nalbari, Kachutola,	enterprises	fertilizer	production of
			Bhutkura, Nichinapara,	included	-Low	fruits and
			Basugaon Turibari, Bhutiapara,	cropping,	productivity	vegetables.
			Tukrajhar-I, Kanibhur, Salbari,	dairy,	of animals	-Adoption of
			Domgaon, Paschim Huimagaon-I,	backyard		INIM and IPIM
			Huimagaon-II, Pub – Domgaon,	poultry,		technologies.
			Rupikhata Achrahri Ruh	goalery elc		-LIVE-SLOCK
			Achrahari Achrahari			Formation of
			Taktara Ghoramari Duligaon			farm science
			Pakhriguri - 2 Gossaigaon			club
			Pakhriguri-1			ciub
			Amguri –II Guwabari Nebalgaon			
			Kathalpara Ulubari Garubhasa			
			No.1. Julioga, Goragaon Salibari.			
			Kahibari, Jaoliabari, Balapara.			
			Lauripara, Garubhasa No.2,			
			Goragaon, Dologaon, Amguri,			
			Athiabari, Bamungaon,			
			Dangshibari, Bairajhora.			
			Shymthaibari, Thuribari, Simlaguri,			
			Hwswarabari, Khakaragaon			
			Mwkwnaguri, Thuribari, Rabhapara,			
			North Rowmari, Palashguri, New			
			Dimapur, Monglagaon, Barigaon,			
			Hasrabari, Banduguri, West			
			Sefriguir Bangaldoba New Latima			
			Hatipota,Bhouraguri			
2.	Bijni	Boroba	Majrabari, Batabari, Pub Khamarpara,	Major crops	-Soil acidity	-Management of
		zar	Saragaon, Laugaon, Larugaon,	are rice, lentil,	-Yield gap in	acid soil
			Batabari, Agrong pakriguri, Dahlapara,	toria, rapeseed	paddy, pulses,	-Crop planning
			Daisunguri, Khamarpara, Labdanguri,	& mustard,	oilseeds, fruits	for rainfed area.
			Kishan Bazar Majrabari, Moneswari,	areca nut,	and	-Commercial
			Kochubari, Borgaon, Ulu	coconut,	vegetables	production of

2.7	Details of Operation	al area / Villages (2018-19)
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Bari, Thasobari, Ballamguri,	banana,	-Low rate of	fruits and
Pub-Makra, Malivita,	vegetables,	seed	vegetables.
Janata Bazar, Malivita F.V, Amteka	bamboo etc.	replacement	-Increasing
F.V, Dhalpani Forest Block, Simlaguri		and poor	productivity of
Forest Block, Dakhingaon F.V,	Major	adoption of	major field
Bhurbasti FB, Bhur FV, Parbatipur,	enterprises are	HYVs	crops through
Gendabil, Koila - Moila, Narayanpur,	cropping,	-Poor fertility	improved crop
Napalpara, Parbatjhora, Pub - amguri,	fishery, dairy,	management	management
No. 1 Mazrabari, Malipara, Pachim	duckery,	-Rainfed	practices
Makra, Baripara No.1, Sowari No. 2,	goatery,	farming	-Popularization
Sowari No. 1, Dahalapara No. 2,	backyard	-Un-organized	of HYVs
Dahalapara No.2, Bishnupur No. 3,	poultry,	marketing	-Seed and
Bishnupur No. 2, Bishnupur No. 1,	Mushroom etc.	system	planting
Kachubil No. 1, Kachubil No. 2,		-Low	material
Thaisobari No. 2, Thaisobari No. 1,		productivity of	production
Panbari, Betbari No. 1, Betbari No. 2,		animals	-Adoption of
Purakhola, Silikhaguri, Larugaon No.		Low	INM and IPM
1, Larugaon No. 2, Bagargaon,		production of	technologies.
Silikhaguri No. 2, Dewanpara No. 2,		fish per unit of	-Live-stock
Silikhaguri No. 1, Lasatipara, Pub –		water bodies.	management
Khamarpara, Batabari, Doturi,			-Adoption of
Kawatika -1 Kalobari, Puradia, Silbari,			improved fish
Dangage, Bagakgaa, Dokhona gaon			production
			technology.
			- Formation of
			SHGs and
			farmer's club

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2018-19

Discipline	OFT (Tech	nology Asses	sment and R	efinement)	FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)				
		1	L		2				
	Numbe	Number of OFTs Number of Farme			Number of FLDs Number of Farmer				
	T A		Т	А	Т	Α	Т	А	
Agronomy	2	4	5	10	8	9	67	93	
Plant protection	3	4	9	12	3	4	30	23	
Soil Science	3	3	9	9	2	2	25	15	
Horticulture	3	4	9	12	3	3	10	10	
Ani. Sci.	3	3	9	9	5	5	15	15	
Economics	0 0		0	0	2	2	250	150	
Total	14 18		41	52	23	26	397	306	

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vo Rainwate	Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)							
	4							
Number of Cour	ses		Numb Partici	Number of Participants		er of ties	Number of participants	
Clientele	Т	Α	Т	Α	Т	A	Т	Α
Farmers	30	33	750	831	600	507	8440	7101
Rural youth	17	17	425	421				
Extn. Functionaries	9	10	225	249				

Vocational Training	6	5	150	114					
Total	62	65	1550	1615	1565	507	8440	7101	
Seed Pro		Planting material (Nos. in lakh)							
	5			6					
Target	Achievem	ent		Target		Achieveme	nt		
407.4 582.91				0.225 0.13					

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2018-19

						Interventions			
SI. No	Thrust area	Crop/ Enterpri se	ldentified problems	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extensi on activiti es	Supply of seeds, planting materials etc.

									9
1.	Reduction of yield gap in major field crops through introductio n of improved varieties and crop manageme nt practices	Mustard Sali rice, Buckwh eat, Jute,Fing ermillet, Lentil, Toria, Sugarca ne, Sesamu m, Water melon, Marigol d, Broccoli, Chickpe a	Yield gap due to poor adoption of HYV and poor knowledge on scientific managemen t practices, poor weed managemen t t	1. Cultivation of Okra by using organic sources of nutrient 2.Performanc e of mid duration Sali rice Variety - Tripura Chikon, CR Dhan 909 3.Performanc e of Buckwheat variety Sikkim Local 1 & Sikkim Local 2 4.Comparative performance of chickpea varieties	 Integrated crop management of Buckwheat Integrated crop management niger in rice – niger sequence FLD on Finger Millet(Local) Performance of olitorious jute Var. <i>'Tarun'</i> for fibre production.in jute –toria System Varietal Demonstration BAYER'S Hybrid rice variety- Arize-644 old Performance of olitorious jute Var. <i>'Tarun'</i> for fibre production.in jute –toria system ICM on Black gram in Black gram toria sequence Foundation seed production of Toria Var.TS29 through PPP mode Improved production technology of newly released wheat Var. HD- 2967 Foundation 	 Crop diversification in sand & silt deposited areas. Scientific method of cultivation of rabi oilseed crops in rice – toria sequence Scientific methods of cultivation of rabi pulse crops in rice-pulse sequence Scientific method of cultivation of olitorius jute 	- 1.Certifica tion	Advisor y services , diagnos tics visit, field visit, Field day, Method demons trations	Seed, fertilizers and other critical inputs
					system 7. ICM on Black gram in Black gram toria sequence 8. Foundation seed production of Toria Var.TS29 through PPP mode 9. Improved production technology of				
2	Cond				newly released wheat Var. HD- 2967				
2.	Seed production	Toria, Jute,	Non availability of quality seed and planting materials	-	 Foundation Seed production of olitorious Jute var. Tarun Foundation seed production of Toria(TS-67,TS- 46,TS-29) through PPP mode 	1.Seedproductiontechnology andscientificcultivationpractices of jute2.Seedproductiontechnology andscientificcultivationpractices ofoilseed crops	1.Certifica tion procedure of different field crops	Field Day on Improv ed product ion and foundat ion seed product ion technol ogy in Toria, Jute	Seed, chemical fertilizer and pesticide s

									10
3.	Integrated pest manageme nt/Integrate d disease manageme nt/Biologica I Manageme nt	Sali rice, Tomato, Sugarca ne Wheat, jute	Lack of scientific approaches in insect pest and disease managemen t strategies	 Effect of management practices of whitefly (leaf curl vector)in tomato Biological control of sugarcane pest Control of stem rot and root rot disease of olitorius jute through potassic fertilizer Management of cutworm in field pea 	 Monitoring and management of rice yellow stem borer through pheromone trap in rice-toria sequence Rodent management in wheat through low cost bamboo trap Determination of efficacy of non- woven poly propylene 17 GSM bunch bag for controlling fruit scarring beetle in Banana 	 Integrated pest management in summer and winter rice. Scientific Beekeeping. Integrated pest and disease management in tomato. 	Recent advancem ent in pest and disease managem ent in agricultur e.	Advisor y services , field visits, Diagnos tic visit, Field day	Chemical pesticide s and fertilizer, low cost bamboo traps, Honey bee hive, Pheromo ne traps (Funnel trap)
4.	Soil health and nutrient manageme nt	Sali paddy, Linseed, okra, Toria, Cabbage , Turmeri c, Jute, Knolkhol	Improper managemen t of soil due to imbalanced chemical fertilizer use, poor knowledge on nutrients and resource use efficiency and poor fertilizer managemen t.	1. INM on rice-linseed sequence 2. Cultivation of Okra by using organic sources of nutrient 3. Cultivation of Cabbage by using organic sources of nutrient 4. Integrated Nutrient Management of Jute in Jute- Toria sequence 5. Cultivation of Knolkhol by using organic sources of nutrient	1. Application of zinc and boron on rice-rapeseed sequence	 INM in rice based cropping system Soil testing procedures and its importance in crop production. 	Productio n technolog y of biofertiliz er and its utilization in farmers field to sustain soil health.	Diagnos tic visit and Advisor y Service s and field day.	Seed & fertilizer
5.	Soil microbes (beneficial)	Vermi compost	Improper use of biowaste	-	1. Production of vermicompost in low cost vermicompost unit	Production technology of biofertilizer (Azolla, Vermicompost and Enriched compost)	-	Advisor y services and method demons trations and field day	Bamboo based earthen mud plastered low cost vermi compost unit & earth worm species <i>Eisenia</i> <i>foetida</i>

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6	Demonstrat ion	Nursery raising	Lack of Scientific Knowledge		1. Popularization of poly tunnel technology for raising nursery in vegetables	Scientific method nursery raising		Advisor y services and method demons trations and field day	plastic Sheet, Bamboo
7	Scientific livestock manageme nt	Poultry, Duck, Rabbit, Pig, Goat,	Low productivity of indigenous birds and animals,	 Productive performance of Hampshire breed of pig under intensive system Performance of Kadaknath chicken under backyard system of management Productive performance of turkey birds for meat production in Chirang district 	 Demonstration Demonstration on productive performance of Vigova Super M Broiler duck Productive performance of broiler duck Productive performance of broiler rabbit under backyard (Newzealand White/Soviet)			Advisor y services , Field visit	60 nos Kadaknat h chicks, 9 nos Pigs, 60nos Turkey birds, 100 nos. broiler Ducks, 15 nos Broiler rabbits, 100 nos layer ducks, 3 nos. Goat shed and 9 nos Pigs
8	Commercial production and manageme nt of horticultura l crops	Capsicu m, Broccoli, Summer marigold , Waterm elon, turmeric	Yield gap due to poor adoption and poor knowledge on scientific managemen t practices of vegetable and fruit crops	1. Performance of Broccoli variety (Hybrid) in farmer's field 2. Assessment of Capsicum varieties in farmers field 3. Organic cultivation of turmeric var. Megha Turmeric	1. Crop diversification in sand silt deposited areas 2. Popularization of summer marigold var. Ceracole in Farmers field	1.Scientific methodsmethodsof capsicum2.Scientific methodof cultivationof summer marigold	-	Advisor y services , diagnos tics visit, field visit, Field day,	Seed, fertilizers and other critical inputs

											12
9	Scientific mushroom cultivation	Mushro om	Consumptio n of wild mushroom	-	1. Mushroom cultivation economic upliftment 2. Mushroom cultivation economic upliftment	Milky for Oyster for	Year mushroom cultivation economic upliftment	for	-	Practica I demons tration, Trainin g, monito ring and field day	Mushroo m spawn, plastic bag
10	Beneficial Insect	Honey bee	Lack of scientific knowledge		Scientific Beekeeping Rearing of I honey bee, cerana indi	ndian Apis ca					

Achievements on technologies assessed and refined during 2018-19 3.1

Thematic	Coroals	Oilseed	Bulcoc	Commercial	Vogotablog	Eruite	Flow	Plantation	Tuber	Τ Ο'
areas	Cereals	s	Fuises	Crops	vegetables	FIUILS	er	crops	Crops	
Varietal	2		1	1	3					7
Evaluation										
Seed / Plant										
production										
Weed										
Management										
Integrated Crop										
1		1	1	1	1	1	1	1	1	1

TOTAL

Abstract of the number of technologies **assessed*** in respect of crops/enterprises A.1

Evaluation							
Seed / Plant							
production							
Weed							
Management							
Integrated Crop							
Management							
Integrated	2			2			4
Nutrient							
Management							
Integrated							
Farming System							
Mushroom							
cultivation							
Drudgery							
reduction							
Farm							
machineries							
Value addition							
Integrated Pest		2	1	1			4
Management							
Integrated							
Disease							
Management							
Resource							
conservation							
technology							
Small Scale							
income							
generating							
enterprises							
·	•		•			•	

							13
TOTAL	4	3	2	6			15

* Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro farming situation.

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises :NIL

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal										
Evaluation										
Seed / Plant										
production										
Weed										
Management										
Integrated Crop										
Management										
Integrated										
Nutrient										
Management										
Integrated										
Farming System										
Mushroom										
cultivation										
Drudgery										
reduction										
Farm machineries										
Post Harvest										
Technology										
Integrated Pest										
Management										
Integrated										
Disease										
Management										
Resource										
conservation										
technology										
Small Scale										
income										
generating										
enterprises										
TOTAL										

* Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitery	Fisheries	TOTAL
Evaluation of Breeds		2						2
Nutrition Management								
Disease of Management								
Value Addition								
Production and					1			1
Management								
Feed and Fodder								
Small Scale income								
generating enterprises								
TOTAL		2			1			3

A.4.	Abstract on the number	of technologies refine	d in respect of livestock ,	enterprises : NIL
------	------------------------	------------------------	------------------------------------	-------------------

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitery	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and								
Management								
Feed and Fodder								
Small Scale income								
generating enterprises								
TOTAL								

	A.5. Results	of On Farm Te	esting						
SI. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Crop ping system/	No. of Tri	Results of Assessment/ Refined (Data on the parameter should be	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio (if
				Enterprise	ais	provided)			le)
		1	1	Agronon	ny		I		
1	Performance of	Non	T1 :Var:Tripura Chikon	Rice	3	Yield(q/ha)	Farmers	Traditional Scented rice	T1: 1.69
	mid duration	availability of	T2: CR Dhan 909			T1: 28.20	found the	variety can be replaced	T2: 2.05
	Sali rice Scented	mid duration	T3: Kala jaha (Check)			T2: 34.14	variety CR	by CR Dhan 909	T3: 2.00
	Variety - Tripura	Improved				T3: 33.26	Dhan 909		
	909	varieties				Pl. height (cm)	better than		
		Varieties				T1: 79	Tripura		
						T2: 84	Chikon		
						T3: 95			
						Effective tiller/ hill			
						T1:9			
						T2: 12			
						T3: 11			
2	Performance of	Non	T1: Sikkim local 1(Tita)	Buckwheat	2	Yield (q/ha)	Farmers	Both the tested varieties	T1: 3.47
	Buckwheat	availability of	T2: Sikkim Local 2 (mitha)			T1: 12.5	found both	have shown superior	T2:3.19
	variety Sikkim	improved of	T3: Gossaigaon local			T2:11.5	the variety	result in terms of yield.	T3: 2.64
		varieties after				T3: 9.5	suitable	Sikkim local can be sown	
		rice				Plant height (cm)		late.	
						T1: 53			
						T2:54			
						T3: 41			
						Branch/ plant			
						T1:9			
						T2:9			
						T3: 4			
3	Integrated	Injudicious	T ₁ : 75% recommended dose of NPK +	Jute	3	Yield (q/ha)	Farmers	The variety has shown	T1: 2.71
	Nutrient	application of	25% supplement from compost			T1: 30.50	found both	superior result with INM	T2: 2.37
		rertilizer	T ₂ : Farmers practice			T2: 26.50	the variety		
	Toria sequence					Plant height (m)	suitable		
1						T1: 2.4			

									16
4	Comparative	Non	T1: variety-GNG 2207	Chickpea	2	T2: 1.7 Basal diameter stick T1: 1.4cm T2: 1.0 cm Yield (q/ha)	Conducted at	Variety GNG 2207 and	T ₁ : 1.43
	performance of chickpea varieties	availability of chickpea variety	T ₂ : variety-GNG 2264 T ₃ : JG 14 (check)			T ₁ : 4.2 T ₂ : 4.0 T ₃ : 3.3 Branch/ plant T ₁ : 4 T ₂ : 4 T ₃ : 3 Pod per plant T ₁ : 74 T ₂ : 75 T ₃ : 56 Seed per Pod T ₁ : 2 T ₂ : 2 T ₃ : 2	KVK farm	GNG 2264 had comparative yield advantage over the variety JG 14. Wilting of plants was higher in JG 14 than the other two varieties	T ₂ : 1.37 T ₃ : 1.13
	1	1	1	Plant Prote	ction		1		
5	Control of stem rot and root rot disease of <i>olitorius</i> jute through potassic fertilizer	Poor quality and low yield of fiber due to root and stem rot	T1: Application of 50 kg/ha K2O at the time of sowing T2: Control	Jute	3	Yield (q/ha): T1: 35.0 T2: 28.0 Disease incidence %: T1: 2.50% T2: 8.25% Disease severity%: T1: 1.60% T2: 12.5%	Farmers found the technology suitable and feasible in controlling the root rot disease.	The technology is easily affordable and effective in controlling root rot disease. The procedure is user friendly.	T1: 2.45 T2: 1.96
6	Effect of management	Excessive use of pesticides	T1: Nursery: One week after germination of seeds, spray the	Tomato	3	T1:Per cent of infected plants: 5.30 Plant height(cm):72.68	Farmers found the	The use of Imidacloprid 200 SL was found to be	⊤1:3.3

									17
	practices of whitefly <i>(Bemisia tabaci)</i> in tomato	in nursery and main field	seedlings with Imidacloprid 200 SL @0.3 ml/l or Thiamethoxam 25 WP @ 0.3 g/l Before transplanting: Dip the roots of the seedlings with with imidacloprid 200SL @ 0.3 ml/l or Thiamethoxam 25 WP @ 0.3 g/l Main field: Spraying of Imidacloprid 200SL @ 0.4 ml/l or Thiamethoxam 25 WP @ 0.3 g/l after 15 days of planting in the main field T2 : farmers practice			Days to flwering:34 Yield(q/ha): 375 T2:Per cent of infected plants: 11.23 Yield(q/ha): 230 Plant height(cm):57.19 Days to flwering:39	chemical suitable and effective against white fly(leaf curl vector)	suitable and very much effective.	T2:2.3
7	Biological control of sugarcane pest	Yield loss due to sugarcane shoot and top borer	T1:Release of <i>Trichogramma chilonis</i> on 45 day after crop germination @ 50,000/ha at 10 days interval. Total of 8-12 releases to be made depending pest severity T2:Control	Sugarcane	3	Yield (q/ha) T1: 502.4 T2: 420.9 Incidence of C. infeuscatellus %: T1: 5.90% T2: 13.9%	Farmers found the technology suitable.	The technology is more effective than chemical measure and environment friendly	T1: 3.52 T2: 3.20
8	Management of cutworm in field pea	Sever attack of cut worm	T ₁ : Mulching with rice straw just after of sowing T ₂ : Control	Pea	3	Yield (q/ha) T1 :16.0 T2: 10.5 T1: Plant height:53.73cm Days to flower: 70 No. of seeds /pod:6.00 No. of pod/plant:26.00 Infection :3.70% T2: Plant height: 51.29 cm Days to flower: 67 No. of seeds /pod:5.53 No. of pod/plant:22.36 Infection : 5.2%	Farmers found the technology effective and suitable	The technology is suitable and feasible for farmers with positive effect.	T2: 2.8 T: 1.58

									18
			-	Soil Scier	ice				
9	INM on rice- linseed sequence.	Imbalance use of nutrient.	T1: In rice 75% of RD + FYM 3t/ha + Azospirillum+ PSB each(@50g/kg of seed for both) In Linseed 75% of RD + Azotobacter+ PSB (@ 50g/kg of seed for both T2: Farmers practice	Rice , Linseed	3	Plant height(cm): T1: in rice,98 cm In linseed,40 cm T2: in rice,122 cm In linseed,37 cm Yield(q/ha): In rice, T1:42.00 T2:40.50 In linseed(q/ha), T1: 8.20 T2: 7.00	Farmers found effective in grain production by use of balanced chemical fertilizers along with biofertilizers.	Use of balanced chemical fertilizers along with biofertilizers in both Sali paddy and linseed can enhance the grain yield and crop growth as compared to application of recommended dose of N,P2O5,K2O fertilizers alone.	In rice, T1: 1.8 T2:1.95 In linseed, T1:1.55 T2: 1.70
10	Cultivation of Okra by using organic sources of nutrient	High use of chemical fertilizer	T1:Azotobacter and Phosphorus Solubilizing Bacteria @ 7.5g each per 100g of seeds Farm Yard Manure @ 5t/ha+ Vermi Compost @1t/ ha along with Rock Phosphate 313 kg/ha at the time of final land preparation. T2: Farmers practice	Okra	3	Yield (q/ha): T1: 232.0 T2: 258.0 Plant height T1 :137.16 cm T2 :140.00 cm	Farmers found both the bio fertilizers suitable in enhancing yield	The technology is more effective than chemical measure and environment friendly.	T1: 3.95 T2. 2.90
11	Cultivation of Cabbage by using organic sources of nutrient	High use of chemical fertilizer	T1: Azotobacter and Phosphorus Solubilizing Bacteria @ 7.5g each per 100g of seeds Vermicompost @5 t/ha + Rock Phosphate@375kg/ha T2: Farmers practice	Cabbage	3	Yield (q/ha): T1: 220.0 T2: 235.0 Average head weight T1 : 1.2 kg T2 : 1.5 kg	Farmers found both the bio fertilizers suitable in enhancing yield	The technology is more effective than chemical measure and environment friendly.	T1: 2.9 T2: 4.3
	1	1	r	Horticult	ıre	T	1	•	
12	Assessment of Capsicum varieties in farmers field	Low market price of traditional vegetable crops	T1: Angel (F1 Hybrid) T2: California Wonder	Capsicum	3	Plant height (cm): T1: 60.45 T2: 58.50 Avg. Fruit no/plant (no): T1: 12	Farmers found the variety suitable	Both the variety has shown good result in terms of yield and market value. Performance will be better if grown under	T1: 5.15 T2: 5.98

									19
						T2: 9 Avg. Fruit weight (g): T1: 42.0 T2: 65.0 Yield (t/ha): T1: 23.18 T2: 26.91		polyhouse.	
13	Performance of Broccoli variety (Hybrid) in farmer`s field	low market price of other cole crops	T1 :NSC 105 B T2: Green Magic (Check)	Broccoli	3	Plant height (cm): T1: 43.94 T2: 42.56 Head diameter (cm) T1: 14.92 T2: 15.26 Avg.weight of curd (g) T1: 422.33 T2: 394.67 Yield (t/ha): T1: 11.82 T2: 9.91	Farmers found the variety suitable	Less incidence of pest and diseases	T1: 4.73 T2: 4.40
14	Organic cultivation of turmeric var. Megha Turmeric	Soil health management	T1: Seed treatment: Cowdung+ cow urine slurry/ FYM inoculated with Trichoderma spp. @5 g/kg seeds Manuring: FYM@ 10 t/ha + Neem cake@ 2 t/ha T2: Farmers Practice	Turmeric	3	Planting is done in March'2019. Experiment is to be continued.	Ongoing		
15	Performance of Knolkhol var. Kanchanjangha in farmers field	low market price of other cole crops	T1 :Kanchanjangha T2: Local	Knolkhol	3	Plant height (cm): T1: 27.15 T2: 23.56 Head diameter (cm): T1: 8.60 T2: 5.33 Avg. weight of knob (g)	Farmers found the variety suitable	Less incidence of pest and diseases leading to higher yield	T1: 5.82 T2: 4.36

								20
						T1: 380.00		
						T2: 156.28		
						Yield (t/ha):		
						T1: 26.2		
						T2: 19.6		
	1	1		Animal Sci	ence	1		
16	Productive performance of	Low productivity	T1: Hampshire pigs under intensive system	Pig	3	Results:		
	Hampshire pig	of indigenous	T2: Farmers practice: indigenous breed			Parameters	Hampshire Pig	Indigenous Pig
	system	pig				Age at puberty	165 days	210days
						Avg. weight at 5 th month of age	38kgs	23kgs
						Avg. litter size at birth	8 nos	6 nos
						Avg litter weight of piglets at birth	1.1kg	0.75kg
						Farmers found the breed su	itable	
						Can be recommended for fu	rther rearing	
						Ongoing		
17	Performance of	Low	T1: Kadaknath birds as dual purpose	Chicken	3	Results		
	chicken under	of local	breed			Parameters	Kadaknath Chicken	Local chicken
	backyard system of	chicken also lack of	T2: Farmers practice- rearing of local chicken			Mortality rate during	Nil	5-10% under natural
	management	medicinal				brooding		brooding
		value of egg				Age at first lay	136 days	147 days
		present all				Avg weight of egg at one month of lay	36g	25g
		poultry.				Avg body weight at first	1.75kg	1.2kg
1						lay		

									21
						Farmes prefer the breed The birds are needed to p diseases and mortality ra Ongoing	both for meat and popularize as they te during brooding	egg production are registrant to most of the g is nil.	e poultry
18	Productive performance of Turkey for lean meat production in Chirang district.	Low lean meat content in other poultry birds	T1:Turkey breed- Spanish black	Turkey	3	 Body weight at distribution: 55g Mortality during brooding: 5% Body weight at maturity for male 5.8kg and female: 4.5 kg Age at first lay 220days Av weight of egg: 52g FCR: 2.6 	Turkeys get popularity among farmers.	Needs to expand the turkey farming for lean meat production	Ongoing

*Field crops – ton/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermicompost kg/unit area.

** Give details of the technology assessed or refined and farmer's practice

3.2 Achievements of Frontline Demonstrations during 2018-19

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2018-19 and recommended for large scale adoption in the district

SI.	Crop/ Enterprise	T	Horizo	ntal spread of t	technology
No		Technology demonstrated	No. of villages	No. of farmers	Area in ha
1	Toria	Foundation seed production of Toria (TS-46) in rice – toria sequence	8	65	30ha
2	Buckwheat	Integrated crop management of Buckwheat	2	12	5 ha
3	Buckwheat	Integrated crop management of buckwheat under TSP	5	58	20 ha
4	Toria	Integrated crop management of toria under TSP	3	92	20 ha
5	Niger	Cluster demonstration of Niger under cluster FLD	1	100	10 ha
6	Water melon	Cultivation of water melon in sand and silt deposited areas of Aie river valley	6	10	3 ha
7	Lentil	Technology demonstration under Cluster FLD lentil, Var: Maitree	5	115	50 ha
8	Vermicompost	Production of vermicompost in low cost vermicompost unit	8	32	32 units

					4
9	Toria	Cluster demonstration of toria	20	92	500 ha
10	Реа	Cluster demonstration of pea under cluster FLD	5	50	10 ha
11	Sali paddy	Technology demonstration under technology showcasing of Sali paddy	25	272	72 ha
12	Blackgram	Cluster demonstration of blackgram under cluster FLD	4	72	20 ha
13	Sesamum	Technology demonstrated under CFLD	3	48	30 ha
14	Linseed	Cluster demonstration of Linseed, variety:T-397	2	37	10 ha
15	Livestock	Performance of improved poultry birds, ducks, pigs under backyard condition	7	1000	3000 Nos.
		under TSP			
16	Honeybee	Scientific bee keeping	4	15	15 units
17	Mushroom	Scientific mushroom cultivation	5	500	50 units

* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs conducted during reporting period (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

SI. No.	Сгор	Thematic area	Technology Demonstrated	Season and year	Area	(ha)	No De	o. of farmer emonstration	rs/ on	Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type altitude	S	tatus of soil (Kg/	ha)
											etc)	N	Р	к
					Proposed	Actual	SC/ST	Others	Total					
					A	Agronomy								
1	Blackgram	Varietal evaluatio n	Integrated crop management of blackgram var PU 31 in blackgram – toria sequence	Kharif 2018-19	1	1	3	2	5	NA	Rainfed, upland	385	26.58	138. 5
2	Buckwheat	ICM	Integrated crop management of Buckwheat in rice – buckwheat sequence	Rabi, 2018-19	2	2	5	5	10	NA	Rainfed, medium land	372	25.42	135
3	Niger	ICM	Integrated crop management niger in rice – niger sequence	Rabi, 2018-19	2	2	5	5	10	NA	Rainfed, medium land	350	21.20	140. 5
4	Rice	Varietal evaluation	Varietal performance of submergence tolerance varieties of Sali rice(Ranjit Sub-1 & Bahadur Sub-1) in rice lentil sequence	Kharif, 2018-19	5	5	5	10	15	NA	Rainfed, medium land	421	22.03	148
5	Finger Millet	ICM	FLD on Finger Millet(Local)	Kharif, 2018-19	1	1	0	5	5	NA	Rainfed, medium land	385	20.17	145
6	Jute	ICM	Performance of olitorious jute Var. 'Tarun' for fibre production in jute –toria system	Kharif,	2	2	3	4	7	NA	Rainfed, medium	345	20.20	139

22

														23
				2018-19							land			
,	Toria	Seed production	Foundation seed production of Toria(TS-67,TS- 46,TS-29) through PPP mode	Rabi, 2018-19	2	2	3	6	9	NA	Rainfed, medium land	328	29.42	138
	Jute	Seed production	Foundation Seed production of olitorious Jute var. <i>Tarun</i>	Kharif, 2018-19	1	1	4	2	6	NA	Rainfed, medium land	339	22.49	135. 48
)	Rice	varietal evaluation	Varietal Demonstration BAYER`S Hybrid rice variety- Arize-6444 old	Kharif, 2018-19	0.13	0.13	0	1	1	NA	Rainfed, medium land	378	24.00	133
0	Diag	1014		1	Plant	Protection					Deinferd	205	25.00	
10	кісе	IPM	stem borer through pheromone trap in rice- toria sequence		3	3	6	3	9	NA	Rainted	385	25.09	144
.1	Banana	Biological Manageme nt	Determination of efficacy of non-woven poly propylene 17 GSM bunch bag for controlling fruit scarring beetle in Banana		1	1	3	0	3	NA	Rainfed	352	24.09	148
12	Wheat	ІТК	Rodent management in wheat through low cost bamboo trap		1	1	3	3	6	NA	Rainfed	378	22.30	149.0 5
					Soi	il Science								
13	Rice, Rapeseed	Soil managem ent	Application of zinc and boron on rice-rapeseed sequence		3	3	3	2	5	NA	Rainfed, medium upland	387	28.0	144
					Ho	rticulture					1			
14	watermelon	ICM	Crop diversification in sand silt deposited areas		0.26	1	4	0	4	NA	Rainfed	220	15.67	138
15	Marigold	ICM	Popularization of summer marigold var. Ceracole in Farmers field		0.5	0.5	1	2	3	NA	Rainfed	287. 5	25.58	133
16	Vegetable	Demonstr ation	Popularization of poly tunnel technology for raising nursery in vegetables		0.2	0.2	3	0	3	NA	Rainfed	298	23.00	141

c. Performance of FLD on Crops

SI.	Crop	Thematic	Area	Avg.	yield	%	Addi	tional	Data	a on	Ec	on. of dem	io. (Rs./h	a.)	E	con. of che	ck (Rs./Ha	.)
No.		area	(ha.)	(Q/	'ha.)	increas	dat	a on	paramete	ers other								
						e in	demo	demo. yield than yield		ld, e.g.,								
						Avg.	(Q/	/ha.)	disease ir	ncidence,								
				Demo	Check	yield	Н*	L*	pest incidence etc.		GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
									Demo	Local								

																	24	
									Agronomy									
1	Blackgram	Varietal evaluation	1	9.0	6.5	38.5%	10.5	5.5	Branch/ pl- 6, pod/ pl- 76, seed/ pod-10	Branch/ pl-4, pod/ pl-52, seed/ pod-9	20000	63000	43000	3.15	18000	45500	27500	2.52
2	Buckwheat	ICM	2	11.0	8.0	37.5%	12.5	8.0	pant ht- 42 cm, branch/ pl- 5	pant ht- 46 cm, branch/ pl-3	18000	55000	37000	3.05	16000	40000	24000	2.50
3	Niger	ICM	2	6.0	4.5	33.0%	6.8	3.0	pl ht- 52 cm,	pl ht- 57 cm,	15000	30000	15000	2.00	12000	22500	10500	1.88
4	Rice	Varietal evaluation	5	56.0	50.0	12%	62.5	42.5	Pl ht- 86 cm, eff tiller/hill- 17	Pl ht- 95 cm, eff tiller/hill- 12	32000	84000	52000	2.63	30000	75000	45000	2.50
5	Finger Millet	ICM	1	12.0	7.5	60%	13.0	10.0	Pl ht- 93 cm, tiller/hill- 8	Pl ht- 91 cm, tiller/hill- 7	18000	36000	18000	2.00	17000	22500	5500	1.32
6	Jute	ICM	2	33.0	27.5	20%	36.0	23.5	Pl ht- 3.0 m	Pl ht- 2.4 m	53000	132000	79000	2.49	51000	110000	59000	2.16
7	Toria	Seed production	2	10.5	6.5	61%	12.0	9.5	Pl ht-55 cm, brnch/ pl-6, siliqua/ pl- 105, seed/ siliqua- 10	Pl ht- 64cm, brnch/pl- 3, siliqua/ pl- 79, seed/ siliqua- 10	21000	57750	36750	2.75	19500	35750	33800	1.83
8	Jute	Seed production	1	3	2.0	50%	4.0	1.0	Pl ht- 1.2 m	Pl ht- 3.0 m	30000	48000	18000	1.6	25000	32000	7000	1.28
9	Rice	varietal evaluation	0.13	55.0	48.5	13%	57.0	40.5	Pl ht- 88 cm, eff tiller/hill- 16	Pl ht- 97cm, eff tiller/hill- 11	32000	82500	18500	2.58	30000	72750	42750	2.43
10	Wheat	varietal evaluation	1	16.7	12.0	39.1%	21.0	8.0	Pl ht- 42 cm, length of spikelet- 12 cm	Pl ht- 47 cm, length of spikelet-9 cm	22500	33400	10900	1.48	19500	24000	4500	1.23

																	25	
								Pla	ant Protectio	on								
11	Rice	Biological Management	3	56.0	50.0	12%	62.5	42.5	Avg. nos of insect trapped at vegetative stage: 8.3 per trap at 7 days interval Avg. nos of insect trapped at reproductive stage: 7.4 per trap at 7 days interval Dead heart incidence (%):4.2 % White ear head incidence (%):3.6%	Dead heart incidence (%):6.0 % White ear head incidence (%):5.2%	32000	84000	52000	2.63	30000	75000	45000	2.50
12	Banana	Biologica I Manage ment	1	353.5	347.5	1.73%	380.5	320.0	Shooting to harvest interval (days): 89.15, Hands per bunch: 13.67, Fingers per bunch (Nos.):169.9 , Bunch Weight (Kg): 14.48, Scarring intensity (%):1	Shooting to harvest interval (days): 80.05, Hands per bunch: 11.17 Fingers per bunch: 161.3 (Nos.) :169.9, Bunch Weight (Kg): 12.98, Scarring intensity (%):6.86	50000	282000	232000	5.7	37000	188480	151480	5.00

																	26	
13	Wheat	ITK	1	16.7	12.0	39.1%	21.0	8.0	LBC at tillering stage 12/ha LBC at grain filling stage 11/ha LBC at maturity stage 10/ha Per cent tiller damage:1 0.7%	Per cent tiller damage: 23.3%	22500	33400	10900	1.48	19500	24000	4500	1.23
									Soil Science									
14	Rice, Rapeseed	Soil management	3	42.5	38.8	9.5%	45.0	40.0	Pl ht- 96cm Panicle length=12 cm Effective tillers / hill =14	PI ht -94 cm Panicle length =10.5 cm Effective tillers / hill = 12	32000	63750	31750	1.99	30000	58200	28200	1.94
				10	8.0	25. %	12.5	9.8	9 Ht/pl= 119cm Branch/pl= 9	10 Ht/pl= 109cm Branch/pl= 7	22000	55000	33000	2.5	20000	44000	24000	2.0

																	27	
								ŀ	Iorticulture									
15	watermelon	ICM	0.26	436.0	350.0	25.0%	575.4	270.6	Fr/p=6 Fr/wt=4.3kg	Fr/p=4 Fr/wt=3.1kg	120000	436000	316000	3.63	100000	350000	250000	3.5
16	Summer Marigold	Varietal performance	0.02	40000 no of garlands /ha	32000 no of garlands/ ha	25.0%	45750	30625	Avg. Nos. of branches/pla nt=14 Avg. Nos. of flowers/plant =56	Avg. Nos. of branches/pl ant=10 Avg. Nos. of flowers/pla nt=45	30000	120000	90,000	4.0	27000	96000	69000	3.6
17	Early seedling production of Vegetable (Cabbage, Cauliflower, Palak, coriander) under low cost poly tunnel(L=5m, B=1m,H=0.75m)	Protected cultivation	0.02	36000 no seedling s, 200 mutha (100 sq.m)	24000 no seedlings, 120 mutha (100 sq.m)	51%	-	-	-	-	15000	38000	23000	2.53	13800	25200	11400	1.83

*H-Highest recorded yield, L- Lowest recorded yield

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of	Date		Number	of	Remarks
		activities		r	participar	nts	
		organised		Gen	SC/ST	Total]
1	Field days	7	0/11/18, 22/11/18, 22/12/18, 06/01/19, 21/01/19, 07/02/19, 15/03/19,	184	128	312	
2	Farmers Training	3	10/08/18, 20/10/18, 24/02/19	44	42	86	
3	Media coverage (Cluster FLD on pulse and lentil)	-	-	-	-		

							20
4	Training for extension	-	-	-	-	-	
	functionaries						
5	Any other (Pl. specify)	-	-	-	-	-	
	Total	10		228	170	398	

e. Details of FLD on Enterprises

(i) Farm Implements: NIL

Name of the	Сгор	No. of farmers	Area (ha)	Performance parameters /	* Data on paramete technology den	er in relation to nonstrated	% change in the	Remarks
implement				indicators	Demon.	Local check	parameter	

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

SI. No.	Enterpri se/ Categor y (e.g.,	Them atic area	Name of Technology	No of far	No. of unit s	No. of animals , poultry	Majo Performa parameta indicato	er ance ers / ors	% cha nge in the	Otl paran (if a Demo	ner neters iny) ^{Check}	GC **	con. of (Rs./ GR **	f dem 'Ha.) NR **	0. BC R*	Eco ch (Rs. GC	n. of eck /Ha.) _{GR}	NR	Remarks B C
	Dairy, Poultry etc.)			m ers		birds etc.	Demo	Check	para met er						*				R
1	Broiler Duck	Breed introdu ction	Demonstration on productive performance of Vigova Super M broiler duck. Technology:Vigova Super M	3	3	100	Avg. bodywe and 2.8kg re	spectivel	day, 30 d y FCR: 2.!	ays,45 da	ays and 6	Ödays	were 7	5.65g,	1.2kg,	2.1kg	Ben age:	efit co 1.96	st ratio at market
2	Broiler Rabbit	Breed introdu ction	Productive performance of broiler rabbit under backyard Technology: Newzealand White/ Soviet Chinchilla as quality broiler rabbit	3	3	15	Av. Body we 1month: 840	eight on Og, 2 mon	0 days: 6 th: 1.3kg	52g, !st v 3 rd monf	week: 24 :h: 2.5kg	.0g, 2 nd and 4 ^{ti}	ⁱ wk: 4 ^h mont	165g, 3 h: 3.8k	rd wk:	610g,	Av. Av. 4.7	Litter s Litter v	size at birth 5 nos, weight 280g , FCR:

28

								29
3	Duck	Feedin g manag ement	Performance of Khaki Campbell ducks Technology: Khaki Campbell as improved duck breed	3	3	100	Monthly body weight at 1st, 2nd, 3rd, 4th and 5th month of age were 230g, 450g, 720g, 1.05kg and 1.30kg respectively. Age at 1st laying: 162days,	Benefit cost ratio at market age for male ducks: 1.56 C:B ratio for 6 month egg production: 1.8
4	Pig	Health care	Demonstration of mineral mixture supplementation in growth of weaning piglets. Technology: Commercial Mineral mixture supplements	3	3	Supply of 15 kgs Mineral mixture supplem entation per demo.	At 20weeks of age Piglets weaned at 4weeks, 6weeks and 8 weeks of age found to be 19.65kg, 21.5kg and 23.0kg respectively after incorporating mineral mixture and vitamin at the dose rate of 10g per 10 kg body weight as compare to 17.5 Kg at 8 weeks of age in pig without supplementation	Reproductive problems get diminished.
5	Goat	Housin g	Housing management of goat for optimum production performance. Technology: Raised platform type Housing with locally available materials	3	3	3 nos Raised platform type Housing	Ongoing. Raised houses are constructed with bamboo. Goats are vaccinated with PPR vaccine with periodic deworming. No incidence of diseases were recorded.	Kids mortality: 0% No incidence of major diseases recorded.

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

(iii) Fisheries :Nil

SI.	Categor						Maior		%	Other		Eco	n. of d	lemo.		Econ.	of checl	< (Rs./	'Ha.)	Remark
No.	y, e.g. Commo n carp,	Them atic	Name of	No. of farme	No. of	No. of fish/	Perform	iance ters /	chang e in the	parame any)	ters (if	(Rs.	/Ha.)							S
	orname ntal fish	area	ology	rs	unit s	s	mulcato	15	param eter	Demo	Check	G C*	G R*	N R*	BC R*	GC	GR	N R	BC R	
	etc.						Demo	Check				*	*	*	*					

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** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

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

(iv) Other enterprises

SI. No	Category/ Enterprise, e.g., mushroom,	Thematic area	Name of	No. of	No. of units	Major Performar parameter indicators	nce rs /	% change in the paramet er	Other parame any)	eters (if	Econ. c	of demo.	(Rs./Ha.)		Econ	. of chec	k (Rs./H	a.)	Remarks
	vermicompost, apiculture etc.		Technology	ers		multators			Dem o	Chec k	GC* *	GR* *	NR* *	BCR* *	GC	GR	NR	BCR	
						Demo	Check												
1	Vermicompost	Beneficial microbes	Production of vermin compost in low cost vermin compost unit	12	12	900 kg/tank/y r	-	-	-	-	3000	9000	6000	3.00	-	-	-	-	on going
2	Honey bee	Beneficial insect	Scientific beekeeping for increasing agricultural productivity	5	5	Avg. honey producti on from 18.0kg/ beehive per year		6% increase in toria productio n	-		3000	9000	6000	3.00		-	-		Initial cost of one beehive with colony=3000.00 ,Income from 18.0 kg honey per year/beehive=9 000.00 (@500 per kg honey)
3	Milky Mushroom	Coordinat ion/ Converge nce/ Linkages promoted / created	Year round Mushroom cultivation for rural youths	125	5	3 KG/CYLL INDER	2 kg/cylli nder	50 %increas e			90	270	180	2.85	75	180	105	1.9	More farmers are interested
4	Oyster Mushroom	Coordinat ion/ Converge nce/ Linkages promoted / created	Year round Mushroom cultivation for rural youths	125	5	4 kg/cyllin der	2.5 kg/cylli nder	60 %increas e			100	300	200	3:1	80	200	120	2.2	More farmers are interested -

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. (v) Farm Implements and Machinery : Nil

SI. No.	Name of implement	Сгор	Name of Technology demonstra ted	No. of farmers	Area (In ha.) Field observation (Output/ man-hours		ition n-hours)	% change in the parameter	Labour reduction (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				
-	-	-	-	-	-	-	-	-	-	-	-

f. Performance of FLD on Crop Hybrids: Nil

SI. No.	Сгор	Name of hybrids	Area (ha.)	No. of farmers	Avg. yiel	d (Q/ha.)	% increase in Avg. yield	Addit data demo (Q/	tional a on . yield ha.)	Ec	on. of dem	o. (Rs./Ha.)		E	con. of che	ck (Rs./Ha.)	
					Demo.	Check		Н*	L*	GC**	GR**	NR**	BCR **	GC	GR	NR	BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*H-Highest recorded yield, L- Lowest recorded yield

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

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

h. Performance of cluster demonstration on Oilseed and Pulses crops

SI. No	Crop	Thematic area	Numbe r of farmers	Area (ha.)	Avg. (Q/	yield ha.)	% increas e in	Addition on dem (Q/	nal data 10. yield ha.)	Data on pa other than disease in	arameters yield, e.g., icidence.	Ec	on. of dem	o. (Rs./ha.))	Eco	n. of Checl	(Rs./Ha.))
	0.0p				Demo.	Check	Avg.	Н*	L*	pest incid	ence etc.	GC**	GR**	NR**	BCR*	GC	GR	NR	BCR
							yield			Demo	Local				*				
									Oilse	ed									
1	Toria	Double	92	30.0	8.5	6.5	30%	10.0	5.5	Siliqua/pl	Siliqua/p	21000	55250	34250	2.63	19000	42250	23250	2.22
										=123	l=98.5								

																		32	
		Cropping								Ht/pl= 132cm Br/pl= 8	Ht/pl= 100.5 cm Br/pl= 5								
2	Sesamum	Double Cropping	48	30.0	8.12	5.22	55%	8.5	7.8	-	-	19300	48540	29240	2.51	16300	32280	15980	1.98
3	Niger	Double cropping	30	10.0	4.6	3.2	31.4%	4.9	3.5	-	-	11000	23000	12000	2.09	10500	16000	5500	1.52
4	Linseed	Double Cropping	37	10.0	9.0	6.0	50%	11.0	8.0	-	-	18500	45000	26500	2.43	17500	30000	12500	1.71
				I	1		I	1	Pul	se	1		1			1		I	
5	Lentil	Double Cropping	115	50.0	8.5	6.2	31%	12.5	7.8.00	Br/pl=6 Ht/pl= 25.5 cm	Br/pl=4 Ht/pl= 23.0 cm	20500	59500	39000	2.9	18500	43400	24900	2.34
6	Pea	Double Cropping	50	10.0	16.5	10.0	65%	17.0	11.0	Plant height:53. 73cm Days to flower: 70 No. of seeds /pod:6.00 No. of pod/plant :26.00	Plant height: 51.29 cm Days to flower: 67 No. of seeds /pod:5.5 3 No. of pod/plan t:22.36	33500	165000	126500	4.92	30200	100000	69800	3.31
7	Blackgram	Double cropping	172	20.0	8.7	6.2	40%	7.5	5.10	Br/pl=12 Ht/pl= 70 cm NO.of pod=42 seed/pod =8	Br/pl=7 Ht/pl= 50 cm NO.of pod=28 seed/po d=15	22500	47850	25350	2.13	20000	34100	14100	1.7

i. Performance of Tribal Sub Plan Programme (TSP)

							% Additional											33	
SI. No.	Сгор	Thematic area	Numb er of farme rs	Area (ha.)	Avg. (Q/	yield ha.)	% increa se in Avg.	Additi data demo. (Q/ł	ional on yield na.)	Data o other th disease i	n parameters nan yield, e.g., ncidence, pest	E	Econ. of de	no. (Rs./ha	.)	Ec	on. of Che	eck (Rs./Ha	ı.)
					Demo.	Check	yield	H*	L*	inci	dence etc.	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
										Demo	Local								
1	Pig	Semi Scientific management	53	137 nos.							Farrowing started. Av littersize at 1 st farrowing: 6nos								
2	Duck	Scientific management	15	400 nos.							Avg. Age at first lay: 162days for layer duck								
3	poultry	Scientific management	14	400 nos.							Avg. Age at first lay160 days								
4	Goat	Scientific management	27	50 nos							kidding started								
	Jute	ICM	26	15 ha		ongoing													
4	Toria	Rice fallow	53	20.0	9.0	6.5	39%	10.5	6.0	Siliqua/pl =122 Ht/pl= 130cm Br/pl= 8	Siliqua/pl=98 .5 Ht/pl= 100.5 cm Br/pl= 5	21000	58500	37000	2.78	19000	42250	23250	2.22
5	Buckwhe at	Rice fallow	52	30 ha	10.0	8.0	25%	12.5	9.5	-	-	15000	50000	35000	3.33	14000	40000	26000	2.85
6	Assam Lemon	Scientific management	8	1 ha							ongoing								
7	Coconut	Scientific management	4	0.01 ha							ongoing								
8	Orange	Scientific management	5	0.05 ha							ongoing								
9	Mango	Scientific management	3	0.05 ha							ongoing								
10	Рарауа	Scientific management	2	0.03 ha							ongoing								
11	Guava	Scientific management	2	0.06 ha							ongoing								
12	Litchi	Scientific management	3	0.07 ha							ongoing								

																		34	
13	Apple Ber	Scientific management	2	1.1 ha							ongoing								
14	Honey bee	Scientific management	10	10 nos.	Avg. honey producti on from 18.0kg/ beehive Initial cost of one beehive with colony= 3000.00, Income from 18.0 kg honey /beehiv e=9000. 00 (@500	-	6% increase in toria producti on	-	-		4000	3000	9000	6000	3.00	-	-		-
					per kg honey)														
	ii. Per	formance of s	STC Pro	gramme ((Bari dev	velopm	ent)							(2. (b)					
51	ii. Peri	formance of S	STC Pro	gramme (Area (ha.)	(Bari dev Avg. (Q/	velopm _{yield} ha.)	ent) % increa	Addit data	ional	Data or) parameters		con. of de	mo. (Rs./ha	.)	E	con. of Ch	eck (Rs./H	a.)
SI. No.	ii. Peri	formance of s	STC Pro Numb er of farme	gramme (Area (ha.)	(Bari dev Avg.	velopm _{yield} ha.)	ent) % increa se in	Addit data demo	ional a on . yield	Data or other th	n parameters an yield, e.g., pridence, post		Econ. of de	mo. (Rs./ha	.)	E	con. of Ch	eck (Rs./H	a.)
SI. No.	ii. Per	formance of S	STC Pro Numb er of farme rs	gramme (Area (ha.)	(Bari dev Avg. (Q/	velopm yield ha.)	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incid	n parameters an yield, e.g., ncidence, pest lence etc.	GC**	con. of de	mo. (Rs./ha) BCR**	GC	con. of Ch	eck (Rs./H	a.)
SI. No.	ii. Peri	formance of S	STC Pro Numb er of farme rs	gramme (Area (ha.)	(Bari dev Avg. (Q/ Demo.	velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incid Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	con. of de GR**	mo. (Rs./ha	.) BCR**	GC	con. of Ch	eck (Rs./H	a.) BCR
SI. No.	ii. Pert	formance of s	STC Pro Numb er of farme rs	gramme (Area (ha.) 5 ha	(Bari dev Avg. (Q/ Demo.	Velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incio Demo	n parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha	BCR**	GC	con. of Ch	eck (Rs./H	a.) BCR
SI. No. 1	ii. Pert	formance of states of stat	STC Pro Numb er of farme rs 50 20	S ha 3 ha	(Bari dev Avg. (Q/ Demo.	velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incio Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha) BCR**	GC	GR	eck (Rs./H	a.) BCR
SI. No. 1 2 3	ii. Peri Crop Arecanut Assam Lemon Coconut	formance of states of stat	STC Pro Numb er of farme rs 50 20 5	gramme Area (ha.) 5 ha 3 ha 1.1 ha	(Bari dev Avg. (Q/ Demo.	Velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incio Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha) BCR**	GC	GR	eck (Rs./H	a.) BCR
SI. No. 1 2 3 4	ii. Pert Crop Arecanut Assam Lemon Coconut Orange	formance of states of stat	STC Pro Numb er of farme rs 50 20 5 5	Pgramme Area (ha.) 5 ha 3 ha 1.1 ha 0.2 ha	(Bari dev Avg. (Q/ Demo.	Velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incid Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha	BCR**	GC	GR	eck (Rs./H	a.) BCR
SI. No. 1 2 3 4 5	ii. Pert Crop Arecanut Assam Lemon Coconut Orange Mango	formance of states of stat	STC Pro Numb er of farme rs 50 20 5 5 5 5	9gramme Area (ha.) 5 ha 3 ha 1.1 ha 0.2 ha 0.1 ha	(Bari dev Avg. (Q/ Demo.	Velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incid Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha	BCR**	GC	GR	eck (Rs./H	a.) BCR
SI. No. 1 2 3 4 5 6	ii. Peri Crop Arecanut Assam Lemon Coconut Orange Mango Betelvine	formance of states of stat	STC Pro Numb er of farme rs 50 20 5 5 5 5 5 6	gramme Area (ha.) 5 ha 3 ha 1.1 ha 0.2 ha 0.1 ha 0.1 ha	(Bari dev Avg. (Q/ Demo.	Velopm yield ha.) Check	ent) % increa se in Avg. yield	Addit data demo. (Q/I H*	ional a on . yield ha.) L*	Data or other th disease i incio Demo	a parameters an yield, e.g., ncidence, pest lence etc. Local	GC**	GR**	mo. (Rs./ha	BCR**	GC	GR	eck (Rs./H	a.) BCR

												35	
7	Рарауа	Scientific management	2	0.03 ha				Ongoing					
8	Guava	Scientific management	4	0.05 ha									
9	Jackfruit	Scientific management	2	0.02 ha									
10	Aonla	Scientific management	2	0.01 ha									
11	Leteku	Scientific management	2	0.01 ha									
12	Litchi	Scientific management	3	0.07 ha									
13	Sapota	Scientific management	2	0.01 ha									
14	Apple Ber	Scientific management	2	0.03 ha									

j. Technology Showcasing

Crop / Enterprise	Technology demonstrated	Area (ha)	Nos. of beneficiaries	Avg. yield	(Q/ha.)	BC Ratio (Demos)
				Demo.	Check	
Sali Rice	Var:Gitesh	72	272	42.0	37.7	1.70
Sali Rice	Var:Shraboni			50.0	48.0	2.05
Sali Rice	Ranjit Sub-1			47.3	45.5	1.92
Sali Rice	CR Dhan 909			40.5	40	1.1.65

3.3. Achievements on Training

3.3.1. <u>Farmers and Farm Women</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)

	No. of	Courses	/ prog					Partie	cipants				
Thematic area	07	Spo	Total		General			SC/ST			Crond		
	Un-	n		Male	Female	Total	Male	Female	Total	Male	Female	Total	Grand

																						36
	Campu s (1)	On* (2)	(1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	Total (x + y)
I. Crop Producti	on																					
Weed																						
Management																						
Resource																						
Conservation																						
Technologies																						
Cropping																						
Systems																						
Crop																						
Diversification																						
Integrated																						
Farming																						
Water																						
management																						
Seed																						
production																						
Nursery																						
management																						
Integrated																						
Crop																						
Management																						
Fodder																						
production																						
Production of																						
organic inputs																						
II. Horticulture		•						•		•												
a) Vegetable Cro	ops																					
																						37
-----------------	---	---	---	----	---	---	---	----	---	---	---	---	---	---	---	----	---	---	---	----	---	----
Production of	1	0	1	16	0	2	0	18	0	6	0	2	0	8	0	22	0	4	0	26	0	26
low volume																						
and high value																						
crops																						
Off-season																						
vegetables																						
Nursery																						
raising																						
Exotic																						
vegetables like																						
Broccoli																						
Export																						
potential																						
vegetables																						
Grading and																						
standardizatio																						
n																						
Protective																						
cultivation																						
(Green																						
Houses, Shade																						
Net etc.)																						
b) Fruits	1				1							1	1	1					1		1	1
Training and																						
Pruning																						
Layout and																						
Management																						
of Orchards																						
Cultivation of																						
Fruit																						
Management																						

													38
of young													
plants/orchard													
S											 		
Rejuvenation													
OT OIQ													
orchards						 	 			 	 		
Export													
potential fruits													
IVIICTO													
irrigation													
orchards													
Plant													
nropagation													
techniques													
c) Ornamental P	Plants												
Nurserv													
Management													
Management													
of potted													
plants													
Export													
potential of													
ornamental													
plants													
Propagation													
techniques of													
Ornamental													
Plants													
d) Plantation cro	ops	r		I	1						1		
Production		1	1	1									

																						39
and																						
Management																						
technology																						
Processing																						
and value																						
addition																						
e) Tuber crops																						
Production																						
and																						
Management																						
technology																						
Processing																						
and value																						
addition																						
f) Spices																						
Production	1	0	1	7	0	6	0	13	0	8	0	4	0	12	0	15	0	10	0	25	0	25
and																						
Management																						
technology																						
Processing																						
and value																						
addition																						
g) Medicinal and	d Aromat	ic Plan	its																			
Nursery																						
management																						
Production																						
and																						
management																						
technology																						
Post harvest																						
technology																						

													40
and value													
addition													
III Soil Health a	nd Fertilit	ty Man	ageme	nt									
Soil fertility													
management													
Soil and Water													
Conservation													
Integrated													
Nutrient													
Management													
Production													
and use of													
organic inputs													
Management													
of Problematic													
soils													
Micro nutrient													
deficiency in													
crops													
Nutrient Use													
Efficiency													
Soil and Water													
Testing													
IV Livestock Pro	duction a	and Ma	anagem	nent	 							 	
Dairy													
Management													
Poultry													
Management													
Piggery													
Management													
Rabbit													1

													41
Management													
Disease													
Management													
Feed													
management													
Production of													
quality animal													
products													
V Home Science	e/Womer	n empo	werme	ent									
Household													
food security													
by kitchen													
gardening and													
nutrition													
gardening													
Design and													
development													
of													
low/minimum													
cost diet													
Designing and													
development													
for high													
nutrient													
efficiency diet													
Minimization													
of nutrient													
loss in													
processing													
Gender													
mainstreamin													
g through													

												42
SHGs												
Storage loss												
minimization												
techniques												
Value addition												
Income												
generation												
activities for												
empowermen												
t of rural												
Women												
Location												
specific												
drudgery												
reduction												
technologies												
Rural Crafts												
Women and												
child care												
VI Agril. Enginee	ering											
Installation												
and												
maintenance												
of micro												
irrigation												
systems												
Use of Plastics												
in farming												
practices												
Production of												
small tools												

												43
and												
implements												
Repair and												
maintenance												
of farm												
machinery and												
implements												
Small scale												
processing												
and value												
addition												
Post Harvest												
Technology												
VII Plant Protect	tion											
Integrated												
Pest												
Management												
Integrated												
Disease												
Management												
Bio-control of												
pests and												
diseases												
Production of												
bio control												
agents and bio												
pesticides												
VIII Fisheries												
Integrated fish												
farming												
Carp breeding												

												44
and hatchery												
management												
Carp fry and												
fingerling												
rearing												
Composite fish												
culture												
Hatchery												
management												
and culture of												
freshwater												
prawn												
Breeding and												
culture of												
ornamental												
fishes												
Portable												
plastic carp												
hatchery												
Pen culture of												
fish and prawn												
Shrimp												
farming												
Edible oyster												
farming												
Pearl culture												
Fish												
processing												
and value												
addition												
IX Production of	f Inputs a	t site										

											45
Seed											
Production											
Planting											
material											
production											
Bio-agents											
production											
Bio-pesticides											
production											
Bio-fertilizer											
production											
Vermi-											
compost											
production											
Organic											
manures											
production											
Production of											
fry and											
fingerlings											
Production of											
Bee-colonies											
and wax											
sheets											
Small tools											
and											
implements											
Production of											
livestock feed											
and fodder				 						 	
Production of											

									-													46
Fish feed																						
X Capacity Build	ling and	Group	Dynam	nics																		
Leadership																						
development																						
Group																						
dynamics																						
Formation and																						
Management	1	0	1	0	0	12	0	12	0	0	0	13	0	13	0	0	0	25	0	25	0	25
of SHGs																						
Mobilization																						
of social																						
capital																						
Entrepreneuri																						
al																						
development																						
of																						
farmers/youth																						
S																						
WTO and IPR																						
issues																						
XI Agro-forestry	/	1	1	1	1	1	1	1	1	1		1		1	1	1	1	1	1	1	1	
Production																						
technologies																						
Nursery																						
management																						
Integrated																						
Farming																						
Systems																						<u> </u>
TOTAL	3	0	3	23	0	20	0	43	0	14	0	19	0	33	0	37	0	39	o	76	0	76
3.3.2. Achieve	ments o	n Trai	ning o	f <u>Farr</u>	ners a	and Fa	arm V	Vome	<u>n</u> in <u>O</u>	ff Cai	npus	incluc	ling <u>Spo</u>	onsore	d Off (Campu	<u>is</u> Trai	ning Pr	ogram	mes	1	L

4	.7

(*Sp. Off means Off Campus training programmes sponsored by external agencies) Grand Participants No. of Courses/ prg. Total SC/ST General Total Thematic area Male Female Total Male Female Total Male Female Total Sp Off Total Off* Sp Off* Sp Off* Sp Off* Sp Sp Sp Sp Sp Sp Off Off Off Off Off Off Off Off Off Off* Off* Off* Off* Off* Off* I. Crop Production Weed Management Resource Conservation Technologies Cropping Systems Crop Diversification Integrated Farming Water management Seed 50 2 0 2 26 0 5 0 31 0 15 0 4 0 19 0 0 9 0 50 0 41 production Nursery management Integrated Crop 5 0 5 72 0 11 0 83 0 33 0 9 0 42 0 105 0 20 0 125 0 125 Management Fodder production Production of organic inputs

	48 rticulture														48							
II. Horticulture																						
a) Vegetable Cr	ops																					
Production of	3	0	3	38	0	7	0	45	0	21	0	9	0	30	0	59	0	16	0	75	0	75
low volume																						
and high value																						
crops																						
Off-season																						
vegetables																						
Nursery																						
raising																						
Exotic																						
vegetables like																						
Broccoli																						
Export																						
potential																						
vegetables																						
Grading and																						
standardizatio																						
n																						
Protective																						
cultivation																						
(Green																						
Houses, Shade																						
Net etc.)																						
b) Fruits																						
Training and																						
Pruning																						
Layout and																						
Management																						

																						49
of Orchards																						
Cultivation of Fruit																						
Management																						
of young																						
nlants/orchard	1	0	1	21	0	0	0	21	0	5	0	0	0	5	0	26	0	0	0	26	0	26
s																						
Reiuvenation																						
ofold																						
orchards																						
Export																						
potential fruits																						
Micro																						
irrigation																						
systems of																						
orchards																						
Plant																						
propagation	1	0	1	17	0	6	0	23	0	2	0	0	0	2	0	19	0	6	0	25	0	25
techniques																						
c) Ornamental I	Plants					•		•														
Nursery																						
Management																						
Management																						
of potted																						
plants																						
Export																						
potential of																						
ornamental																						
plants																						

																50
Propagation																
techniques of																
Ornamental																
Plants																
d) Plantation cr	ops															
	1	1								1			1	1		
Production																
and																
Management																
technology																
Processing																
and value																
addition																
e) Tuber crops																
	1	1				1	L	1		1			1	1		
Production																
and																
Management																
technology																
Processing																
and value																
addition																
f) Spices																
	1	1				1		1		1	1		1	1		
Production																
and																
Management																
technology																
Processing																
and value																
addition																

																						51
g) Medicinal and	d Aromat	tic Plar	nts																			
Nursery																						
management																						
Production																						
and																						
management																						
technology																						
Post harvest																						
technology																						
and value																						
addition																						
III Soil Health ar	nd Fertilit	ty Man	ageme	nt																		
Soil fertility management	2	0	2	15	0	7	0	22	0	18	0	10	0	28	0	33	0	17	0	50	0	50
Soil and Water Conservation	1	0	1	5	0	5	0	10	0	10	0	5	0	15	0	15	0	10	0	25	0	25
Integrated																						
Nutrient																						
Management																						
Production																						
and use of	2	0	2	14	0	8	0	22	0	18	0	10	0	28	0	32	0	18	0	50	0	50
organic inputs																						
Management																						
of Problematic																						
soils																						
Micro nutrient																						
deficiency in																						
crops																						
Nutrient Use																						
Efficiency																						

																						52
Soil and Water																						
Testing																						
IV Livestock Pro	duction	and Ma	anagem	nent				1	I	1		1		I		I	I	1	I			
Dairy Management	2	0	2	33	0	17	0	50	0	0	0	0	0	0	0	33	0	17	0	50	0	50
Poultry Management	2	0	2	0	0	56	0	56	0	0	0	0	0	0	0	0	0	56	0	56	0	56
Piggery Management																						
Rabbit Management																						
Disease Management	1	0	1	8	0	0	0	8	0	12	0	5	0	17	0	20	0	5	0	25	0	25
IFS																						
Production of																						
quality animal																						
products																						
V Home Science	e/Womer	n empo	werme	ent																		
Household																						
food security																						
by kitchen																						
gardening and																						
nutrition																						
gardening																						
Design and																						
development																						
of																						
low/minimum																						
cost diet																						

											53
Designing and											
development											
for high											
nutrient											
efficiency diet											
Minimization											
of nutrient											
loss in											
processing											
Gender											
mainstreamin											
g through											
SHGs											
Storage loss											
minimization											
techniques											
Value addition											
Income											
generation											
activities for											
empowermen											
t of rural											
Women											
Location											
specific											
drudgery											
reduction											
technologies											
Rural Crafts											

																						54
Women and																						
child care																						
VI Agril. Enginee	ering	•										•				•	•	•				
	1	1											1		1	1	1					
Installation																						
and																						
maintenance																						
of micro																						
irrigation																						
systems																						
Use of Plastics																						
in farming																						
practices																						
Production of																						
small tools																						
and																						
implements																						
Repair and																						
maintenance																						
of farm																						
machinery and																						
implements																						
Small scale																						
processing																						
and value																						
addition																						
Post Harvest																						
Technology																						
VII Plant Protec	tion																					
Integrated	_	6	-	40	6	_	_	45	<u> </u>			-		22		67	_		_	75	6	75
Pest	3	0	3	40	0	5	0	45	0	27	0	3	0	30	0	67	0	8	0	75	0	75

																						55
Management																						
Integrated																						
Disease	2	0	2	6	0	1	0	7	0	34	0	10	0	44	0	40	0	11	0	51	0	51
Management																						
Bio-control of																						
pests and																						
diseases																						
Production of																						
bio control																						
agents and bio																						
pesticides																						
VIII Fisheries		1	1				1	1			1		1	1		1	1		1			
Integrated fish																						
farming																						
Carn breeding																						
and hatchery																						
management																						
Carn fry and																						
fingerling																						
rearing																						
Composite fish																						
culture																						
Hatchery																						
management																						
and culture of																						
freshwater																						
prawn																						
Breeding and																						
culture of																						
ornamental																						
ornamentai		1	1	1		1	1	1	1	1		1	I	I						1		

												56
fishes												
Portable												
plastic carp												
hatchery												
Pen culture of												
fish and prawn												
Shrimp												
farming												
Edible oyster												
farming												
Pearl culture												
Fish												
processing												
and value												
addition												
IX Production o	f Inputs a	it site										
Seed												
Production												
Planting												
material												
production												
Bio-agents												
production												
Bio-pesticides												
production												
Bio-fertilizer												
production												
Vermi-												
compost												

																						57
production																						
Organic																						
manures																						
production																						
Production of																						
fry and																						
fingerlings																						
Production of																						
Bee-colonies																						
and wax																						
sheets																						
Small tools																						
and																						
implements																						
Production of																						
livestock feed																						
and fodder																						
Production of																						
Fish feed																						
X Capacity Build	ling and (Group	Dynam	ics																		
Leadership																						
development																						
Group																						
dynamics																						
Formation and																						
Management	1	0	1	2	0	10	0	12	0	0	0	13	0	25	0	12	0	13	0	25	0	25
of SHGs																						
Mobilization																						
of social																						
capital																						

Entrepreneurial development of farmers/Marketin g management	3	0	3	32	0	7	0	39	0	30	0	6	0	36	0	62	0	13	0	75	0	75
WTO and IPR																						
issues																						
		1	T			1 1		1				1 1		1	1	T	I	1	I			I
Production																						
technologies																						
Nursery																						
management																						
Integrated																						
Farming																						
Farming Systems																						
Farming Systems TOTAL	31	0	31	329	0	145	0	474	0	225	0	84	0	321	0	564	0	219	0	783	0	783
Farming Systems TOTAL (B) RURAL YOUT 3.3.3. Achiever (*Sp. On mea	31 H ments o ns On C	0 on Trai campu	31 ning <u>R</u> i s traini	329 ural Y ing pr	0 <u>'outh</u> rograi	145 in <u>On</u> mmes	0 Cam	474 <u>pus</u> in sored	0 Icludir	225 ng <u>Sp</u> o	0 onsor al age	84 ed Or	0 n Campu)	321 <u>us</u> Trai	0 ning P	564 rograr	0 nmes	219	0	783	0	783
Farming Systems TOTAL (B) RURAL YOUT 3.3.3. Achiever (*Sp. On mea	31 H ments o ns On C No. o	on Trai campus of Cour Prog	31 ning <u>R</u> s train ses/	329 ural Y ing pr	0 <u>′outh</u> rograi	145 in <u>On</u> mmes	0 I Cam S spon	474 <u>pus</u> in sored	0 Includir	225 ng <u>Sp</u> kterna	0 onsor al age	84 red Or encies	0 <u>n Campu</u>) Participa	321 <u>us</u> Trai nts	0 ning P	564 rograr	0 nmes	219	0	783	0	783 Granc Total
Farming Systems TOTAL (B) RURAL YOUT 3.3.3. Achiever (*Sp. On mea	31 H nents o No. o	0 on Trai camput of Cour Prog	31 ning <u>R</u> s train ses/	329 ural Y ing pr	0 <u>′outh</u> rograi	in <u>On</u> mmes	0 i Cam i spon	474 pus in sored	0 Includir	225 ng <u>Sp</u> i kterna	0 onsor al age	84 ed Or ncies	0 <u>n Campu</u>) Participar SC/ST	321 us Trai nts	0 ning P	564 rograr	0 nmes	219 То	0 tal	783	0	Grand Total (x + y)
Farming Systems TOTAL (B) RURAL YOUT 3.3.3. Achiever (*Sp. On mea	31 H nents o ns On O No. o	on Trai campus of Cour Prog	31 ning <u>R</u> is train ses/	329 ural Y ing pr	0 <u>'outh</u> rograi	in <u>On</u> mmes	0 Cam s spon	474 pus in sored	0 cludir by ex	225 ng <u>Spo</u> cterna	0 onsor al age	ed Or incies	0 <u>n Campu</u>) Participa SC/ST emale	321 us Trai nts Total	0 ning P	564 rograr _{Male}	nmes	219 To Female	0 tal	783	0	Granc Total (x + y)
Farming Systems TOTAL (B) RURAL YOUT 3.3.3. Achiever (*Sp. On mea Thematic area	31 H nents o No. o On (1)	on Trai campu of Cour Prog Sp On* (2)	31 ning <u>R</u> i s traini ses/ Total (1+2)	329 ural Y ing pr M On (4)	0 <u>'outh</u> rograi lale Sp. On (5)	I45 in <u>On</u> Ger Fer On (6)	0 a Cam s spon neral nale Sp. On (7)	474 pus in sored On (a= 4+6)	0 cludir by ex tal Sp. On (b= 5+7)	225 ng <u>Sp</u> cterna M On (8)	0 onsor al age ale Sp. On (9)	ed Or encies Fe On (10)	0 n Campu) Participan SC/ST emale Sp. On (11)	321 <u>us</u> Trai nts <u>Total</u> On (c= 8+10)	0 ning P Sp. On (d= 9+11)	564 rograr Male On (4+8)	0 nmes Sp. On (5+9)	219 To Female (6+10)	0 tal Sp. On (7+11)	783 Total On (x= a +c)	0 Sp. On (y= b +d)	Grand Tota (x + y

																						59
Mushroom Production	1	0	1	2	0	2	0	4	0	18	0	3	0	21	0	20	0	5	0	25	0	25
Bee-keeping																						
Integrated																						
farming																						
Seed	2	_	2					14	_	20	0	ć	0	20	_		_	6	0	F.0	_	50
production	2	0	2	14	0	0	0	14	0	30	0	6	0	30		44	0	6	0	50	0	50
Production of																						
organic inputs																						
Integrated																						
Farming																						
Planting																						
material																						
production																						
Vermi-culture																						
Soil and Water																						
Testing																						
Sericulture																						
Protected																						
cultivation of																						
vegetable																						
crops																						
Commercial																						
fruit																						
production																						
Repair and																						
maintenance																						
of farm																						
machinery and																						
implements																						
Nursery	1	0	1	7	0	3	0	10	0	10	0	5	0	15	0	17	0	8	0	25	0	25

											60
Management											
of Horticulture											
crops											
Training and											
pruning of											
orchards											
Commercial											
flower											
cultivation											
Value addition											
Production of											
quality animal											
products											
Dairying											
Sheep and											
goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry											
production											
Ornamental											
fisheries											
Para vets											
Para extension											
workers											
Composite fish											
culture											
Freshwater											
prawn culture											
Shrimp											

																						61
farming																						
Pearl culture																						
Cold water																						
fisheries																						
Fish harvest																						
and																						
processing																						
technology																						
Fry and																						
fingerling																						
rearing																						
Small scale																						
processing																						
Post Harvest																						
Technology																						
Tailoring and																						
Stitching																						
Rural Crafts																						
TOTAL	4	0	4	23	0	5	0	28	0	58	0	14	0	72	0	81	0	19	0	100	0	100

3.3.4. Achievements on Training of <u>Rural Youth</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes

(*Sp. Off means Off Campus training programmes sponsored by external agencies)

	No. of C	ourses	/ Prog.									F	Participar	nts								Gran
						Ge	neral					5	SC/ST					То	tal			d
Thematic area		Sn	Tota	M	ale	Fer	nale	То	tal	M	ale	Fe	male	То	tal	M	ale	Fen	nale	То	tal	Total
	Off	Off	l	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Off	Sp Off*	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	
Crop diversification	2	0	2	18	0	11	0	29	0	17	0	4	0	21	0	35	0	15	0	50	0	50

																						62
Oyster Mushroom Production	2	0	2	11	0	6	0	17	0	12	0	22	0	34	0	23	0	28	0	51	0	51
Formation of groups																						
Bee-keeping																						
Pest Management	1	0	1	7	0	2	0	9	0	16	0	0	0	16	0	23	0	2	0	25	0	25
Pest and disease management	2	0	2	9	0	3	0	12	0	28	0	10	0	38	0	37	0	13	0	50	0	50
Integrated farming																						
Integrated crop management																						
Seed production																						
Soil fertility management	2	0	2	14	0	8	0	22	0	18	0	10	0	28	0	32	0	18	0	50	0	50
Production of organic inputs	2	0	2	11	0	9	0	20	0	10	0	20	0	30	0	21	0	29	0	50	0	50
Integrated Farming																						
Planting material production	1	0	1	10	0	5	0	15	0	7	0	3	0	10	0	17	0	8	0	25	0	25
Vermi-culture																						
Soil and Water Testing																						
Sericulture																						
Protected cultivation of vegetable crops																						

											63
Commercial fruit production											
Repair and maintenance of farm machinery and											
implements Nursery Management											
of Horticulture crops											
pruning of orchards											
Value addition Production of											
quality animal products											
Sheep and goat rearing											
Quail farming											
Rabbit farming											
production											
fisheries Para vets											
Para extension workers											
Composite fish culture											
Freshwater											

																						64
prawn culture																						
Shrimp																						
farming																	L					
Pearl culture									I													
Cold water																						
fisheries																						
Fish harvest																						
and									ł													
processing																						
technology		<u> </u>	<u> </u>									<u> </u>	ļ	l			<u> </u>	<u> </u>		<u> </u>		<u> </u>
Fry and									l		1											
fingerling									l													
rearing		<u> </u>	<u> </u>					<u> </u>	 			ļ!		ļ		ļļ	 	<u> </u>	ļ			
Small scale																					İ	ĺ
processing		<u> </u>	 	\vdash		+				\vdash		<u> </u>		 				<u> </u>		\vdash		<u> </u>
Post Harvest									1												ļ	
Technology			 	+		+				+		\vdash		↓				<u> </u>	<u> </u>	──┤		<u> </u>
Tailoring and									ł												ļ	
Stitching			 	+		+				+-+		\mid		<u> </u>				<u> </u>	<u> </u>	──┤		<u> </u>
Rural Crafts		<u> </u>	Ļ	\downarrow		<u> </u>			ļ	\downarrow		<u> </u>	ļ							\square		ļ
TOTAL	12	0	12	80	0	44	0	124	0	108	0	69	0	177	0	188	0	113	0	301	0	301

3.3.5. Achievements on Training of <u>Extension Personnel</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)

	No. of	Courses	/ prog				-		-			P	articipa	nts								Grand
				Gen	eral					SC/	ST					Tota						Total
				M	lale	Fe	male	Total		Male	9	Fema	le	Total		Male		Female		Total		(x + y)
Thematic area	On (1)	Sp On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Productivity enhancement	1	0	1	8	0	7	0	15	0	6	0	4	0	10	0	14	0	11	0	25	0	25

																						65
in field crops																						
Horticulture																						
based																						
Cropping																						
system																						
Seed																						
Production																						
Integrated																						
Pest																						
Management																						
Integrated																						
Nutrient																						
management																						
Rejuvenation																						
of old																						
orchards																						
Protected																						
cultivation																						
technology																						
Formation and																						
Management																						
of SHGs																						
Group																						
Dynamics and																						
farmers																						
organization																						
Information																						
networking	3	0	3	44	0	3	0	47	0	26	0	2	0	28	0	70	0	5	0	75	0	75
among					_		_						_		-		-				-	_
farmers																						
Capacity																						
building for																						
ICT application			-																			
Care and																						
maintenance																						
of farm								1														

																						66
machinery and implements																						
WTO and IPR																						
issues																						
Management		T		Γļ														\Box				
in farm																						
animals																						
Livestock feed																						
and fodder																						
production					ļ																	
Household																						
food security				ļ!	ļ																ļ!	
Women and																						
Child care				ļ	<u> </u>															ļ	ļ!	
Low cost and																						
nutrient																						
efficient diet																						
designing				──┤	├───	├ ───┤														├ ───┤	└─── ┘	
Production	1		1		0	2	0	10	0	0	0	6	0	15	0	16	0	0	0	25		25
and use of	L T		1	'	0	5	U	10	0	2	U	0	0	12	U	10	0	9		23		25
Organic inputs				┥───┤																┝───┦	┝────┤	
Gender																						
a through																						
						1																
Total	5	0	5	59	0	12	0	72	0	A 1	0	12	0	53	0	100	0	25	0	125		125
TULAI	5	U	5	39	U	13	U	12	U	41	U	12	U	55	U	100	U	25	U	125	U	125

3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes

(*Sp. Off means Off Campus training programmes sponsored by external agencies)

	No. of C	ourses	/ prog.									ĺ	Participar	nts								Gran d
Thomatic area		6		Gen	eral					SC/S	т					Total						Total
Thematic area	Off	Sh	Tota	м	ale	Fei	male	То	tal	M	ale	Fe	male	Total		Male		Female	;	Total		
		*	I	Of	Sp	Of	Sp	Off	Sp	Of	Sp	Off	Sp	Off	Sp	Off	Sp	Off	Sp	Off	Sp	
				f	Off	f	Off		Off	f	Off		Off*	011	Off*	011	Off	011	Off*		Off	

																						67
					*		*		*		*						*				*	
Productivity enhancement in field crops	2	0	2	19	0	7	0	26	0	18	0	6	0	24	0	37	0	13	0	50	0	50
Integrated Pest Management	1	0	1	4	0	1	0	5	0	18	0	3	0	21	0	22	0	4	0	26	0	26
Seed production	1	0	1	12	0	3	0	15	0	8	0	2	0	10	0	20	0	5	0	25	0	25
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers	1	0	1	21	0	3	0	24	0	1	0	0	0	1	0	22	0	3	0	25	0	25
Capacity building for ICT application																						
Care and maintenance of farm machinery and																						

																						68
implements																						
WTO and IPR																						
issues																						
Management																						
in farm																						
animals																						
Livestock feed																						
and fodder																						
production																						
Household																						
food security																						
Women and																						
Child care																						
Low cost and																						
nutrient																						
efficient diet																						
designing																						ļ
Production																						
and use of																						
organic inputs																						
Gender																						
mainstreamin																						
g through																						
SHGS	-		-	50				70	•	45				50		101	•	25	0	120	•	120
TOTAL	5	0	5	56	0	14	0	70	0	45	0	11	U	56	0	101	0	25	U	126	0	126

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of	Title of the training	Date (From	Durati	Venue	Please specify	General	SC/ST	Grand Total
	training	programme	– to)	on in		Beneficiary	participants		

															69
				days		group (Farmer & Farm women/ RY/ EP and NGO Personnel)	M	F	Т	M	F	Т	м	F	Т
		I	1	Farr	ner & Farm wor	nen		1	1	1	1		1	1	1
Horticulture	Crop producti on	Winter Vegetable cultivation in scientific way	12.11.18, 13.11.18	2	KVK, Chirang	F/FW	16	2	18	6	2	8	22	4	26
Horticulture	Crop producti on	Organic cultivation of ginger and turmeric	11.03.19, 12.03.19	2	KVK, Chirang	F/FW	7	6	13	8	4	12	15	10	25
Agri Economics	SHG manage ment	Formation and Management of S.H.Gs	09.11.18, 10.11.18	2	KVK Chirang	F/FW	0	12	12	0	13	13	0	25	25
TOTAL							33	20	43	14	19	33	37	39	76
	Rural Youth														
Agronomy	Seed Producti on	Seed production Technology of oilseed crops	16.02.19, 17.02.19	2	KVK, Chirang	RY	0	0	0	11	9	20	11	9	20
Horticulture	Nursery manage ment	Nursery raising for self employment.	18.01.19, 21.01.19	2	KVK, Chirang	RY	7	3	10	10	5	15	17	8	25
Plant protection	Beneficia l insect	Scientific bee keeping for economic upliftment	12.10.18, 13.10.18, 14.10.18	3	KVK, Chirang	RY	18	3	21	3	1	4	21	4	25
Agricultural Economics	Capacity building	Milky Mushroom cultivation	16.07.18, 18.07.18	2	KVK Chirang	RY	2	2	4	18	3	21	20	5	25
TOTAL							27	8	35	42	18	60	69	26	95
				EP a	and NGO Person	inel									
Soil Science	Producti on and use of organic inputs	Production technology of biofertilizer and its effect on crop yield and sustainable soil health	07-01-2019	1	KVK Chirang	EF	10	5	15	5	5	10	15	10	25
Soil science	Fertility manage ment	Soil fertility management for soil health and higher crop production	08-01-2019	1	KVK Chirang	EF	3	0	3	7	13	20	10	13	23

															70
Agri economics	Marketi ng manage ment	Market led extension and Information networking among farmers	07.08.18, 08.08.18	2	KVK Chirang	EF	17	0	17	8	0	8	25	0	25
Agri economics	Marketi ng manage ment	Market led extension and Information networking among farmers	09.10.18, 10.10.18	2	KVK Chirang	EF	12	2	15	8	2	10	20	5	25
Agri economics	Marketi ng manage ment	Market led extension and Information networking among farmers	06.12.18, 07.12.18	2	KVK Chirang	EF	15	0	15	10	0	10	25	0	25
Plant protection	IPM	Recent advancement in pest and disease management in agriculture	13.09.18, 14.09.18	2	KVK, Chirang	EF	04	1	4	18	3	21	22	4	26
TOTAL							61	8	69	56	23	79	117	32	149

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From	Durati	Venue	Please specify	General		General				Grand Tota		Total		
			— То)	on in		Beneficiary	participants		participants		participants						
				days		group	M	F	Т	М	F	Т	м	F	т		
						(Farmer &											
						Farm											
						women/ RY/											
						EP and NGO											
						Personnel)											
			Farme	er and Far	m Women												

															71
Agronomy	Crop	Scientific method of cultivation of	10.04.18-	2	Bhawraguri	Farmer &	19	1	20	5	0	5	24	1	25
Agronomy	Crop	Scientific method of cultivation of	17.09.18 -	2	Silikhaguri	Farmer & Farm women	16	2	18	4	3	7	20	5	25
Agronomy	Crop production	Nursery raising technique of Sali rice	06.05.18 – 07.05.18	2	Rowmari	Farmer & Farm women	14	4	18	5	2	7	19	6	25
Agronomy	Seed production	Seed production technology of winter paddy	02.05.18 – 03.05.18	2	Pretgaon	Farmer & Farm women	9	2	11	10	4	14	19	6	25
Agronomy	Crop production	Newly developed varieties of Sali rice	07.05.18 – 08.05.18	2	Khagrabari	Farmer & Farm women	11	1	12	11	2	13	22	3	25
Agronomy	Seed production	Seed production technology of pulses	18.10.18 – 19 10.18	2	Pub Khamarpara	Farmer & Farm women	17	3	20	5	0	5	22	3	25
Agronomy	Crop production	Newly developed varieties of pulse	05.11.18 – 06.11.18	2	East Doisunguri	Farmer & Farm women	12	3	15	8	2	10	20	5	25
Horticulture	Nursery management	Propagation techniques of major fruit crops	15.03.19 to 16.03.19	2	Lakhipur	Farmer & Farm women	17	6	23	2	0	2	19	6	25
Horticulture	Production of low volume and high value crop	Improved production techniques of garlic and onion	29.10.18 to 30.10.19	2	Tunkubari	Farmer & Farm women	10	5	15	7	3	10	17	8	25
Horticulture	Orchard management	Scientific management of coconut, areca nut and betel nut	20.09.18 to 21.09.18	2	Dwakhanaguri	Farmer & Farm women	21	0	21	5	0	5	26	0	26
Horticulture	Crop diversification	Scientific production technology of pumpkin in sand and silt deposited areas	01.11.18 to 02.11.19	2	Tulsijhar	Farmer & Farm women	18	0	18	7	0	7	25	0	25
Horticulture	Crop production	Improved cultivation technology of potato with reference to TPS	10.12.18 to 11.12.19	2	Syamthaibari	Farmer & Farm women	10	2	12	7	6	13	17	8	25
Plant Protection	IPM	Integrated pest management in winter rice	06.08.18 to 07.08.18	2	Bhouraguri	Farmer & Farm women	15	0	15	10	0	10	25	0	25
Plant Protection	IPM	Biological control of rice insect pests and diseases	13.09.18 to 18.09.18	2	Koila Moila	Farmer & Farm women	15	0	15	10	0	10	25	0	25
Plant Protection	IDM	Integrated disease management in summer vegetables	30.11.18 to 01.12.18	2	Bishnupur	Farmer & Farm women	2	0	2	16	7	23	18	7	25
Plant Protection	IPM	Integrated pest management in winter rice	06.03.19 to 07.03.19	2	Pub Kamarpara	Farmer & Farm women	10	5	15	7	3	10	17	8	25
Plant Protection	IDM	Integrated management methods of late blight disease in potato	07.01.19 to 19.01.18	2	Duturi	Farmer & Farm women	4	1	5	18	3	21	22	4	26
Soil Science	soil management	Use of Microbial biofertilizer in field crops	16-5-2018 17-5-2018	2	Bangaljhora	Farmer & Farm women	21	0	21	1	0	1	22	0	22

														-	72
Soil Science	Soil & water conservation	Soil & water conservation practices in dry land farming	6-6-2018 7-6-2018	2	Shyamthaibari	Farmer & Farm women	20	1	21	4	0	4	24	1	25
Soil Science	Soil fertility management	Production technology of Azolla and its use in crop production	21-5-2018 22-5-2018	2	South Bamungaon	Farmer & Farm women	19	2	21	4	0	4	23	2	25
Soil Science	Soil fertility management	Management Soil fertility for vegetable crops	11-7-2018 12-7-2018	2	Denaipara	Farmer & Farm women	7	2	9	10	6	16	17	8	25
Soil Science	Soil fertility management	Management of soil resources for organic farming	15-8-2018 16-8-2018	2	Hengurmari	Farmer & Farm women	10	0	10	15	0	15	25	0	25
Animal Science	Poultry management	Scientific rearing of improved backyard poultry	27-28.10.18	2	Dangtol	Farmer & Farm women	0	25	25	0	0	0	20	5	25
Animal Science	Disease management	Disease of livestock and poultry, their prevention and control measure	18-19.01.19	2	Deolguri	Farmer & Farm women	8	0	8	12	5	17	20	5	25
Animal Science	Dairy management	Fertility management in Dairy cows	12-13.02.19	2	Thuribari	Farmer & Farm women	12	13	25	0	0	0	12	13	25
Animal Science	IFS	Integrated Farming System	20-21.03.19	2	Dangtol	Farmer & Farm women	0	31	31	0	0	0	0	31	31
Agricultural Economics	Marketing management	Marketing of Agricultural and Horticultural Produce	11.07.18, 12.07.18	2	Mwkwnaguri	Farmer & Farm women	7	0	7	18	0	18	25	0	25
Agricultural Economics	Marketing management	Marketing of Agricultural and Horticultural Produce	13.07.18, 14.07.18	2	Saragaon	Farmer & Farm women	5	2	7	12	6	18	17	8	25
Agricultural Economics	Marketing management	Marketing of Agricultural and Horticultural Produce	28.08.18, 29.08.18	2	Nilibari	Farmer & Farm women	20	5	25	0	0	0	20	5	25
Agricultural Economics	SHG Management	Formation and Management of S.H.Gs	11.08.18, 12.08.18	2	Pub Enchorbari	Farmer & Farm women	2	10	12	0	13	13	2	23	25
Total							351	126	477	213	65	278	584	171	755
		1	1	Rural Yo	outh						-				
Agronomy	crop production	Scientific method of cultivation of tuber crops	12.10.18 – 13.10.18	2	Batabari	Rural youth	6	0	6	16	3	19	22	3	25
Agronomy	Seed production	Seed production technology of winter paddy	12.05.18 – 13.05.18	2	Shyamthaibari	Rural youth	8	0	8	16	1	17	24	1	25
Agronomy	crop production	Newly developed varieties of pulses	02.12.18- 03.12.18	2	Sanyasibari	Rural youth	12	11	23	1	1	2	13	12	25
Horticulture	Nursery management	Propagation techniques of major fruit crops	18.01.19 to 19.01.19	2	Sanyasibari	Rural youth	10	5	15	7	3	10	17	8	25
															73
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Plant Protection	Pest and disease management	Recent advancement in pest and disease management in agriculture	06.03.19 to 07.03.19	2	Pub Kamarpara	Rural youth	6	2	8	10	7	17	16	9	25
Plant	Pest and	Recent advancement in pest and	25 01 18	1	Denainara	Rural youth	3	1	4	18	3	21	21	4	25
Protection	disease	disease management in	23.01.10	-	Denaipara	indiar youth		-		10					23
	management	agriculture													
Plant	pest	Rodent management in field and	04.03.18 to	2	Saljhara	Rural youth	7	2	9	16	0	16	23	2	25
Protection	management	store	05.03.18		,	,									
Soil Science	Soil Fertlity	Use of Microbial biofertilizer in	18-9-2018	2	Tilakgaon	Rural youth	10	5	15	5	5	10	15	10	25
	management	field crops	19-9-2018												
Soil Science	oranic fertilizer	Production technology of Azolla	25-10-2018	2	Bhutiapara	Rural youth	9	5	14	11	0	11	20	5	25
		and its use in crop production	26-10-2018		_										
Soil Science	Soil fertility	Management of soil resources for	20-11-2018	2	Mongolagaon	Rural youth	16	5	21	4	0	4	20	5	25
	management	organic farming	21-11-2018												
Animal	Dairy	Feeding management of dairy	20-24.11.18	5	Nilibari	Rural youth	21	4	25	0	0	0	21	4	25
Science	management	animals													
Agricultural	Mushroom	Oyster Mushroom cultivation	03.10.18,	2	Sidli	Rural youth	11	6	17	4	5	9	15	11	26
Economics	production		04.10.18												
Agricultural	Mushroom	Oyster Mushroom cultivation	05.10.18,	2	Sidli	Rural youth	0	0	0	08	17	25	08	17	25
Economics	production		06.10.18												
TOTAL							119	46	165	116	45	161	235	91	326
	1		EP ar	nd NGO P	Personnel	1			1						
Agronomy	Seed	Seed production technology of	25.11.18	1	Saragaon	EF	12	3	15	8	2	10	20	5	25
	production	oilseeds												-	
Agronomy	crop	Newly developed varieties of Sali	19.05.18	1	Palasbari	EF	12	0	12	11	2	13	23	2	25
	management	rice													
Soil Science	soil	Management of soil resources for	12-2-2019	1	Sidli	FF	9	5	14	11	0	11	20	5	25
Son Science	management	organic farming	12 2 2019	1	bium	2.			14				20	5	25
Agricultural	Capacity	Information networking among	04.09.18,	2	Nilibari	EF	21	3	24	1	0	1	22	3	25
Economics	building	farmers	05.09.18												
TOTAL							54	11	65	31	4	35	85	15	100

(D) Vocational training programmes for Rural Youth

Fut any data	Ta	- 4' -	*******		· ·	C			cc/c=			T		- f t - u - tu - tu - tu - tu - tu - tu - t				/ I
Enterprise	– To)	atio n (day s	training			Genera	1		SC/ST			Total	I	after training				Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					м	F	т	м	F	т	Μ	F	Т	Type of enterprise ventured into	Numbe r of units	Num ber of perso ns empl oyed	Avg. Annual income in Rs. generated through the enterprise	
Honey bee	11.03.19 to 13.03.19	3	Benefici al insect	Scientific beekeeping for economic upliftment	10	0	10	15	0	15	25	0	25	ISI-A type beehive with honey bee colony(<i>Apis</i> <i>cerena</i>)	05	05	12000/- to 15000/-	No
Oilseeds	26.10.18 - 30.10.18	5	Seed producti on	Seed production technology	9	0	9	16	0	16	25	0	25	Seed business	02	08	20,000/ - 25,000	No
Biofertilize r	23.03.19, 25.03.19, 26.03.19, 27.03.19	4	Producti on of organic inputs	Production technology of biofertilizer(Azolla, Vermicompost and Enriched compost)	10	5	15	5	5	10	15	10	25	Low cost Vermicompo st production unit	10	10	7000/- to 8000/-	No
IFS	07.01.19, 08.01.19, 09.01.19	3	Dairy farming	Clean milk production and Value addition.	5	0	5	8	1	9	13	1	14	Fish cum duck cum horticultural IFS	3	3	9000/- to 10000/-	No
Mushroom	05.03.19, 06.03.19, 07.03.19	3	Mushroo m producti on	Year round Mushroom cultivation for economic upliftment	6	7	13	7	5	12	13	12	25	self dependent after mushroom cultivation by selling mushroom	15	50	15000/- 20000/-	No
TOTAL					40	12	52	51	11	62	91	23	114		35	76		

*training title should specify the major technology /skill transferred Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

	Benefici									No.	of Part	ticipan	ts				Amount
On/ Off/ Vocatio nal	ary group (F/ FW/	Date (From- To)	Durati on (days)	Discipline	Area of training	Title	G	ener	al		SC/ST			Total		Sponsorin g Agency	of fund received (Rs.)
	RY/EP)						М	F	Т	М	F	Т	М	F	Т		
Off	F	18.11.17	1 day	Agriculture	Resource conservation technologies	Agricultural workshop on Petroleum product conservation	0	0	0	64	0	64	64	0	64	PCRA, Ministry of Petroleum and Natural Gas	7500/-
On	F	24.11.18	1 day	Agriculture	Soil management	Crop seminar on horticulture and agriculture	10	5	15	25	23	48	35	28	63	IFFCO	40000/-
On	F	01.02.19	1 day	Agriculture	water harvesting	Traditional water harvesting	15	0	15	30	0	30	45	0	45	NERIWAL M, Assam	40000/-
On	F	21.12.18	I day	Agriculture	ICM	Scientific coconut cultivation technology and value addition	20	5	25	25	5	30	45	10	55	Coconut Developm ent Board	40000/-
Total							45	10	55	80	28	108	125	38	163		127500/-

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2017-18

SI.	Extension	Торіс	Date and duration	No.						Particip	onts					
No.	Activity			of		General			SC/ST		Extens	ion Of	ficials	G	rand Tot	al
				activi		(1) (2)			(3)			(1+2)				
				ties	М	F	Т	М	F	Т	М	F	Т	М	F	Т
1	Advisory	ICM,INM,IPM,Bee keeping,														
	services	animal rearing, seed		310	75	35	110	140	50	190	10	0	10	235	75	310
		production, marketing,														

																76
		vermin-composting, soil testing, entrepreneurship development, Grafting and budding, nursery raising etc.														
2	Diagnostic visit	Nursery management	07/06/18,12/7/18,1 3/08/18,12/08/18, 20/08/18, 25/10/18		14	20	34	16	10	26	5	2	7	35	32	67
		Stem borer in rice, Gandhi bug attack	21/08/18,5/09/18,0 9/09/18, 19/10/18, 22/10/18, 27/10/18		25	6	31	30	17	47	5	2	7	60	25	85
		Parasitic disease cattle	11/04/18,18/04/18, 20/6/18, 20/7/18		7	0	7	10	7	17	2	0	2	19	7	26
		Infertility in dairy cows	09/05/18, 19/10/18, 17/12/18, 13/02/19		6	5	11	14	10	24	2	0	2	22	15	37
		Brown spot and blast of rice	22/11/18, 25/11/18	34	0	0	0	5	0	5	2	0	2	7	0	7
		Nutrient deficiency in banana and tomato, immature fruit drop in coconut, mealy bug in papaya	15/12/18,20/12/18, 05/01/19, 20/01/19, 04/02/19		7	0	7	4	2	6	2	1	3	13	3	16
		FMD in cattle, piggery	28/01/19, 11/02/19		4	0	4	5	0	5	1	0	1	10	0	10
		Aphid attack in toria	20/12/18,05/01/19, 16/01/19		4	1	5	6	5	11	4	2	6	14	8	22
		Aphid infestation in sesamum , collar rot disease in seasamum	09/11/18, 18/11/18		2	0	2	7	0	7	2	0	2	11	0	11
3	Field day	Mushroom cultivation, Varietal performance of Sali rice. Toria cultivation, Sesamum cultivation, Pea cultivation, Cultivation of watermelon, plasti mulching in okra, cultivation of lentil, cultivation of pea and linseed, cultivation of niger	29/10/18, 03/11/18, 08/11/18, 22/11/18, 22/12/18, 06/01/19, 21/01/19, 07/02/19, 15/03/19	9	100	84	184	95	33	128	20	10	30	215	127	342
4	Group Discussion	Formation of SHG, formation of Farmers club,	12/04/18,17/08/18 22/11/18, 07/01/19	4	20	07	27	15	8	23	4	1	5	39	16	55

																77
		formation of Joint liability group, Discussion on doubling income, PRA														
5	Kishan Gosthi			0	0	0	0	0	0	0	0	0	0	0	0	0
6	Kishan Mela			0	0	0	0	0	0	0	о	0	0	0	о	о
7	Film show	Vermicomposting, Mushroom cultivation, Piggery, Bee keeping, poultry farming,	05/06/18,26/06/18, 22/09/18,16/10/18, 05/12/18,23/12/18	6	100	40	140	110	70	180	20	5	25	230	115	345
8	SHG formation	Mithinga SHG, Phungbili SHG, Aie valley SHG, Hatipota Women SHG, Nomalpur women SHG, Bornali SHG, Mangalagaon women SHG, Bengalijora SHG, Maa laksmi SHG, Anjali SHG	10/11/18, 22/11/18, 22/12/18,06/01/19, 21/01/19, 07/02/19, 15/03/19	10	50	15	65	25	30	55	2	0	2	75	45	120
9	Exhibition	PCRA Exhibition, Panbari, PPVFRA Exhibition, Kahikuchi,	18/11/18, 14/12/18	2	70	15	85	65	7	72	5	0	5	140	22	162
10	Scientists visit to farmers fields	Field visit under FLD/OFT/Training/Other extension activities	-	60	13	5	18	20	15	35	6	1	7	39	21	60
11	Plant/ Animal Health camp			0	0	0	0	0	0	0	0	0	0	0	0	0
12	Farm science club			0	0	0	0	0	0	0	0	0	0	0	0	0
13	Ex-trainee Sammelan			0	0	0	0	0	0	0	0	0	0	0	0	0
14	Farmers seminar/ workshop	Traditional water harvesting, Scientific coconut cultivation technology and value	21.12.18, 01.02.19	2	150	40	190	130	70	200	20	4	24	300	114	414

																78
		addition														
15	Method demonstra tion	Production of Oyster Mushroom, nursery raising, Application of biofertilizer, Pheromone trap, Preparation of low cost vermin compost, Soil testing, Bee keeping, Seed production	07/04/18,15/06/18, 20/06/18,20/07/18, 10/11/18,12/08/18, 17/08/87,27/08/18, 14/12/18	9	10	5	15	13	1	14	6	2	8	29	8	37
16	Celebration of	Foundation day of AAU, Golden Jubilee year	01/04/18	1	25	15	40	40	15	55	10	4	14	85	34	119
	important days	Kisan Kalyan Karyasal Gram Swaraj Abhijan	02/05/18	1	35	5	40	25	10	35	3	2	5	63	17	80
		World Environment day	05/06/18	1	78	52	130	62	33	95	5	1	6	145	86	231
		International Yoga Day	26/06/18	1	40	5	45	35	5	40	16	2	18	91	12	103
		Webcasting programme of Prime Minister	12/07/18	1	40	10	50	50	15	65	20	2	22	110	27	137
		Swachhata hi Pakhwada	16/12/18 to 31/12/18	1	320	56	376	220	163	383	6	1	7	546	220	766
		Womens farmers Day	15/10/18	1	31	0	31	20	0	20	6	2	8	57	2	59
		Independence day	15/08/18	1	10	0	10	9	2	11	0	0	0	19	2	21
		14 th Foudation Day of KVK Chirang	22/09/18	1	35	15	50	28	22	50	4	2	6	67	39	106
		World Food Day	16/10/18	1	49	6	55	0	0	0	5	1	6	54	7	61
		PCRA	20/10/18	2	50	15	65	60	7	67	5	0	5	115	22	137
		World Soil Day	05/12/18	1	300	120	420	330	167	497	7	2	9	637	289	926
		Kisan Divas	23/12/18	1	45	20	65	42	23	65	10	2	12	97	45	142
		Republic Day	26/01/19	1	5	0	5	7	0	7	4	0	4	16	0	16
17	Exposure visits	PCRA Exhibition, Panbari, PPVFRA Exhibition, Kahikuchi,	18/11/18, 14/12/18	2	70	15	85	65	7	72	5	0	5	140	22	162
18	Electronic media (CD/DVD)			0	0	0	0	0	0	0	0	0	0	0	0	0
19	Extension literature			0	0	0	0	0	0	0	0	0	0	0	0	0
20	Newspaper coverage	World Soil Day, National Science Day Womens farmers Day World Food Day		6	0	0	0	0	0	0	0	0	0	0	0	0

																/9
		World Honeybee D Swachhata hi sewa ay														
21	Popular articles	In Ghare pathare and other local news paper		10	0	0	0	0	0	0	0	0	0	0	0	0
22	Radio talk			0	0	0	0	0	0	0	0	0	0	0	0	0
23	TV talk			0	0	0	0	0	0	0	0	0	0	0	0	0
24	Training manual			0	0	0	0	0	0	0	0	0	0	0	0	0
25	Soil health camp	Soil health awareness camp	05/12/18	1	300	120	420	330	167	497	7	2	9	637	289	926
26	Awareness camp	Environment awareness camp, Awareness camp on bee keeping , Soil health awareness camp, ,	05/06/18, 11/11/18, 05/12/18,	3	50	20	70	70	30	100	10	2	2	130	52	182
27	Lecture delivered as resource person	Vermicomposting, bee keeping, Marketing of Agricultural Produce, Oyster Mushroom Cultivation, Button Mushroom production, Protected cultivation, Scientific apple Ber cultivation, Organic cultivation, Quail farming, Pig farming, seed production	23/04/18, 25/04/18 27/04/18,28/04/18 20/05/18, 20/06/18 06/07/18, 08/07/18 10/07/18,23/03/19, 07/03/18,14/02/18,	11	105	40	145	60	20	80	6	2	8	171	62	233
28	PRA	Nilibari, Coraikansra, Pachim Bilaspur, Hegurmari	02/02/19,03/02/19, 08/02/19,08/02/19, 12/02/19,13/02/19, 20/02/19, 21/02/19	8	26	25	51	22	27	49	4	0	4	52	52	104
29	Farmer- Scientist interaction	Traditional water harvesting, Scientific coconut cultivation technology and value addition	21/12/18, 01/02/19	2	150	40	190	130	70	200	20	4	24	300	114	414
30	Soil test campaign	Soil testing procedures and its importance in crop production	16.09.18,18.09.18, 23.12.18	3	27	2	29	21	0	21	0	0	0	48	2	50

															80
31	Mahila														
	Mandal		0	0	0		0	0	0	0	0	0	0	0	0
	Convener		0	0	0	0	0	0	0	0	0	0	0	0	0
	meet														
32	Any other														
	(Please		0	0	0	0	0	0	0	0	0	0	0	0	0
	specify)														
Gran	d Total		507	2448	859	3307	2336	1118	3454	271	61	332	5073	2028	7101

3.5 Production and supply of Technological products during 2018-19

A. SEED MATERIALS

Major group/class	Сгор	Variety	Quantity (qt)	Value (Rs.)	Number	of recipient/ be	eneficiaries
					General	SC/ST	Total
CEREALS	Sali Rice	Gitesh, Shraboni	3752.0	14,257,600.00	108	164	272
OILSEEDS	Sesamum	ST-1683	246.6	4,438,000.00	19	29	48
	Toria	TS-67, TS-46, TS-29,	575.0	4,887,500.00	110	74	184
	Linseed	T-397	90.0	5,4000.00	20	17	37
	Niger	NG-1	82.5	3,30,000.00	15	18	33
PULSES	Lentil	HUL 57	500	58,50,000.00	46	69	115
	Pea	Prakash	150	10,50,000.00	32	18	50
	Blackgram	PU-31	174.0	27,84,000.00	30	42	72
VEGETABLES	Potato	Kufri Jyoti	6	6,000.00	3	1	4
FLOWER CROPS	-	-	-	-	-	-	-
OTHERS (Specify)	Buckwheat	local	253	12,65,000.00	40	22	62

A1. SUMMARY of Production and supply of Seed Materials during 2018-19

SL No	Major group/class	Quantity (top.)	Value (Rs.)	Numbe	er of recipient/ benefi	ciaries
51. 100.			value (NS.)	General	SC/ST	Total
1	CEREALS	375.20	14,257,600.00	108	164	272
2	OILSEEDS	99.41	97,09,500.00	164	138	302
3	PULSES	82.40	96,84,000.00	108	129	237
4	VEGETABLES	0.6	6,000.00	3	1	4

						81
5	FLOWER CROPS	0	0	0	0	0
6	OTHERS	25.3	12,65,000.00	40	22	62
	TOTAL	582.91	3,49,22,100.00	423	454	877

B. Production of Planting Materials (Nos. in lakh)

Major group/class	Сгор	Variety	Numbers (In Lakh)	Value (Rs.)	Number	nber of recipient beneficia	
					General	SC/ST	Total
Fruits	Pineapple	Kew	0.042	33600.00	1	0	1
Spices	Black pepper	Paniyur-1	0.001	1500.00	3	3	6
Ornamental plants	Dahlia	-	0.001	500.00	1	1	2
	Gerbera	Red gem	0.001	200.00	2	0	2
VEGETABLES	Tomato	BNT-1217F	0.020	4000.00	5	5	10
	Cabbage	BC-76	0.010	2000.00	2	3	5
	Knolkhol	Kanchanjonga	0.030	3000.00	5	8	13
	Chilli	Tejaswani	0.003	600.00	3	2	5
	Brinjal	Navkiran	0.022	3300.00	4	4	8
Forest Spp.	-	-	-	-	-	-	-
Plantation crops	-	-	-	-	-	-	-
Medicinal plants	-	-	-	-	-	-	-
OTHERS (Pl. Specify)	-	-	-	-	-	-	-

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2018-19

SI. No.	Major group/class	Numbers (In Lakh)	nbers (In Lakh) Value (Rs.)		Number of recipient beneficiaries			
				General	SC/ST	Total		
1	Fruits	0.042	33,600.00	1	0	1		
2	Spices	0.001	1,500.00	3	3	6		
3	Ornamental Plants	0.002	700.00	3	1	4		
4	VEGETABLES	0.085	12,900.00	19	22	41		
5	Forest Spp.	-	-	-	-	-		

						82
6	Medicinal plants	-	-	-	-	-
7	Plantation crops	-	-	-	-	-
8	OTHERS (Specify)	-	-	-	-	-
TOTAL		0.13	48,700.00	26	26	52

C. Production of Bio-Products during 2018-19

Major group/class	Product Name	Species	Qua	ntity	Value (Rs.)	N	Number of Recipient /beneficiaries		
			No.	(qt)					
						General	SC/ST	Total	
BIOAGENTS	-	-	-	-	-	-	-	-	
BIOFERTILIZERS	-	-	-	-	-	-	-	-	
1	Vermicompost	Eisenia foetida	-	7.0	7000	2	1	3	
2	Azolla	Azolla caroliniana	-	2.0	2000	-	-	-	
BIO PESTICIDES	-	-	-	-	-	-	-	-	

C1. SUMMARY of production of bio-products during 2018-19

SI.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient	
NO.			Nos.	(kg)		General	SC/ST	benenciaries	
1	BIOAGENTS	-	-	-	-	-	-	-	
2	BIO FERTILIZERS	Vermicompost (Eisenia foetida)	-	700	7000	2	1	3	
		Azolla (Azolla caroniana)	-	200	2000	-	-	-	
3	BIO PESTICIDE	-	-	-	-	-	-	-	
	TOTAL	-	-	900	9000	2	1	3	

D. Production of livestock during 2018-19: NIL

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs				
						General	SC/ST	Total
1	Cattle/ Dairy	-	-	-	-	-	-	-
2	Goat	-	-	-	-	-	-	-
3	Piggery	-	-	-	-	-	-	-

								83
5	Poultry	-	-	-	-	-	-	-
6	Fisheries	-	-	-	-	-	-	-
7	Others (Specify)	-	-	-	-	-	-	-

D1. SUMMARY of production of livestock during 2018-19: Nil

SI. No.	Livestock category	Broad	Quantity		Value (Da)	Number of Recipient beneficiaries		Total number of
		biccu	Nos	(kg)		General	SC/ST	Recipient beneficiaries
1	CATTLE	-	-	-	-	-	-	-
2	SHEEP & GOAT	-	-	-	-	-	-	-
3	POULTRY	-	-	-	-	-	-	-
4.	PIGGERY	-	-	-	-	-	-	-
5	FISHERIES	-	-	-	-	-	-	-
6	OTHERS (Pl. specify)	-	-	-	-	-	-	-
	TOTAL	-	-	-	_	-	-	-

3.6. Literature Developed/Published (with full title, author & reference) during 2018-19

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)KVK Chirang News letter(Yearly, since 2011)

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research			
papers			

			84
Training			
manuals			
Technical			
Report			
Book/			
Book			
Chapter			
Popular articles	Krishi Khetrot Plastikor Bhumika, ABAD	Dr. Kameswar Das and Juri Talukdar	-
	Gramanchalat uparjon aru poripustir babe boigyanik bhabe oyster	Dr. Hiranya Kr. Baruah	-
	kathfula ba mushroom r krish podhoti, ABAD		
	Relay ba Utera xoisya podhoti, ABAD	Sailen Talukdar	-
	Bigyan Sanmotot bota sorai palon, ABAD	DR. Rajib Bhandar Kayastha	-
	Assamor Jalabayut Boigyanic Podhatire Lichur Unnat Kheti podhatti, ABAD	Juri Talukdar	
	Broccoli khetir Boigyanik podhoti, ABAD	Jyotish Kr. Sarma	
	Xoisyor Gunmanot Phosphorus r bhumika, ABAD	Poran kishor Dutta	
	Krishi Vigyan Kendra Chirangor logot jorito krishokor xofolotar khotiyan, ABAD	Sailen Talukdar, Mandakini Bhagawati	
	Bybosavik bhittit tamulor puli utpadonor babe pulibari Prastut karan	Juri Talukdar	
	at Ghore Pothare, ABAD		
	Assamor jalabayut dekha dia Tamulor prodhan bemar aru jar protikar	Juri Talukdar	
	at Ghore Pothare, ABAD		
Technical			
Supervision			
Extension			
pulletins			

			85
Newslett	Newsletter	Dr. Kameswar Das and other Scientific staff of KVK,	100
er		Chirang	
		5	
Conferen			
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proceedi			
proceedi			
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Learlets/r			
olders			
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publicati			
ons			
Any	ABAD	Dr. Kameswar Das and other Scientific staff of KVK, Chirang	200
other			
(Magazin			
e)			
TOTAL			

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

I Details of Electronic Media Produced

Sl. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1	-	-	-

1.7. Success stories on horizontal spread of the technologies/Case studies, if any (two or three pages write-up on each case/ successes with suitable action photographs)

1. Progressive Farmer Subhan Ali of Bijni Sub division:

Name of KVK	KVK, Chirang
Crop and Variety	Crop: Blackgram

	86
	Variety: PU-31
Name of farmer & Address	Subhan Ali
	Father's Name: Shom Miya
	Village: Majrabari, P.O:
	District: Chirang (BTAD), Assam
	Ph: 8011151993
Background information about farmer field	Md. Subhan Ali a small farmer of Chirang district has a land holding of 2.5 ha. He used to grow rice, blackgram and jute according to land situation during kharif season. After harvesting the Kharif crops, he used some areas for cultivation of
	rabi crops viz-rapeseed, lentil and vegetables. The soil condition is mostly sandy loam and rainfed. Md. Subhan Ali cultivates blackgram in the kharif season in his upland fields under rainfed condition with no scientific production technology.
Details of technology demonstrated	The technology demonstrated was the scientific method of cultivation that included the use of high yielding variety (PU-31), application of recommended dose of fertilizer (N:P ₂ O ₅ :K ₂ O@10:35 kg/ ha), treatment of seed with rizhobium.
Institutional Involvement	The demonstration was conducted with active involvement of KVK Chirang. The critical inputs viz- seed, bio fertilizer, fertilizer, pesticides etc were provided by KVK. Also Training, method demonstration for treatment of seeds with rizhohium culture, diagnostic field visit etc were carried out by KVK.
Success Point	Earlier the farmer, Mr. Subhan Ali used to grow blackgram in traditional method. He used local varieties which are generally low performer. No recommended dose of fertilizer and/ or bio fertilizer was applied. As a result yield was very low. But, due to intervention of KVK, Chirang in respect of HYV, scientific method of production, INM, IPM, training, diagnostic service the yield of the crop increased significantly.
Farmer Feedback	The farmer, Mr. Subhan Ali was very happy and satisfied for the achievement of technology demonstrated by KVK, Chirang. He found the technology very useful and easy to apply in the field situation. Mr. Subhan Ali showed his field to other farmers of nearby villages and motivated most of them to accept the technology
Outcome Yield (q/ha)	
Demonstration	8.7
Potential yield of variety/technology	12.0
District average (Previous year)	5.3
State average (Previous year)	5.1

Performance of technology vid-a-vis local check:

Specific Technology	Yield (q/ha) Gross cost (Rs/ha) G		Gross income (Rs/ha)	oss income (Rs/ha) Net income	
				(Rs/ha	

					87
Farmer practices	6.2	22500.00	49600.00	28100.00	2.20
Demonstration	8.7	26000.00	69600.00	48100.00	2.67
% Increase	40.23%		40.23%		



3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year: NA

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Rice	Erection of "Tara paat" branches in the rice field	To control case worm attack
2	Rice	Beating the upper half of standing rice crop with thorny branches of trees	Controlling leaf folder
3	Rice	Use of perches in the paddy field so that predatory birds sit on it and can trap insect pests.	Control insect pests.

4	Rice	Erection of "Germani bon" branches in the rice field	To control case worm attack
5	Rice	Erection of damaged video film in the rice field at the time maturity	To repel birds feeding rice seed
6	Rice	Broadcasting of outer rind of citrus fruit in the standing water of paddy field to control case worm.	Control case worm
7	Rice	Use of dead frog and crab in the paddy field to repel Gandhi bug.	Repel Gandhi bug
8	Rice	Spraying of fresh cow dung solution in paddy crop to control bacterial leaf blight.	Control bacterial leaf blight.
9	Rice	Application of kerosene oil in standing water of paddy field to control case worm	Control case worm infestation.
10	Seed preservation	Use of neem leaves for controlling storage pests.	Controlling storage pests.
11	Vegetable crops	Spraying of solution of one part of cattle urine and six part of water in vegetable crops to protect against insect pests.	Protect against insect pests.
12.	Rice	Erection of polythene packets in bamboo poles at 3-4 feet distances to repel rodent pests	Rodent pest of cereals
13.	Rice	Application cut pieces of rabab tenga in the field	Reduces leech population
14.	Storage rice	Application of naphthalene balls over the storage bin	Reduces different storage insect pest attack

3.10 Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women
 - a. PRA
 - b. Group Discussion
 - c. Zonal Review Meeting
 - d. Farmers Scientists' interaction
 - e. ZREAC meeting
 - f. Farm and home visit
 - g. Problem tree analysis
 - h. SWOT analysis
- Rural Youth

-

a. PRA

- c. Zonal Review Meeting
- d. Farmers Scientists' interaction
- e. ZREAC meeting
- f. Farm and home visit
- g. Problem tree analysis
- h. SWOT analysis
- Extension personnel
 - a. Zonal Review Meeting
 - b. ZREAC meeting

3.11 Field activities

i.Number of villages adopted: 6ii.No. of farm families selected: 350

iii. No. of survey/PRA conducted :4

3.12. Activities of Soil and Water Testing

Status of establishment of Lab

: Established

: 2017

: nil

:

1. Year of establishment

2.List of equipments purchased with amount

		Name of the Equipmen	01-	Cost	
SI. NO	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer	Qty.	
1	-				
2	-				
	Total				

3.Details of samples analyzed (2018-19)

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
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	1			
Soil Samples	12	10	2	NIL
Water Samples	0	0	0	0
Plant Samples	0	0	0	0
Petiole Samples	0	0	0	0
Total	12	10	2	NIL

7. Details of Soil Health Cards (SHCs) (2018-19)

- a. No. of SHCs prepared :10 b. No. of farmers to whom SHCs were distributed :10
- c. Name of the Major and Minor nutrients analysed : N, P, K, B, Zn, Fe, S :2
- d. No. of villages covered

e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page) :

3.13.Details of SMS/ Voice Calls sent on various priority areas

Message	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
type	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of	No. of
	Messag	Ben	Message	Benef	Message	Benef	Message	Benefi	Message	Benef	Message	Benef	Message	Benefi
	e	eficiary		iciary		iciary		ciary		iciary		iciary		ciary
Text only	45	115191	8	16750	5	65676	-	-	6	20175	5	18550	69	236342
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice and	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Text both														
Total	45	115191	8	16750	5	65676	-	-	6	20175	5	18550	69	236342

Contingency planning for 2018-19 3.14

a. Crop based Contingency planning

Contingency (Drought/ Proposed Measure Flood/ Cyclone/ Any other Proposed Measure		Proposed Area (ha.) to be covered	Number of beneficiaries proposed to be covered			
please specify)			General	SC/ST	Total	
Flood and drought	Introduction of new variety or crop	13.000 ha (6000ha flood affected, 7000ha drought affected)	270	680	700	
Flood and drought	Introduction of Resource Conservation Technologies	Training programme on Resource Conservation Technologies	230	350	580	

۵N

					9
Flood and drought	Distribution of seeds and	Rice seedlings, pulse and oilseed crops	650	700	1350
	planting materials				
Flood and drought	Any other (Please specify)	Training programmes on alternate activities after flood/drought like	200	300	500
		mushroom cultivation			

23. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other	Number of birds/ animals to be	No. of programmes to be undertaken	No. of camps to be	Proposed number of animals/ birds to be	Number of I to	beneficiaries be covered	proposed
please specify)	distributed		organized	covered through camps	General	SC/ST	Total
-	-	-	-	-	-	-	-

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of	% of adoption	Change in income (Rs.)	
	participants		Before (Rs./Unit)	After (Rs./Unit)
Commercial cultivation of Banana, Var. Malbhog through 'corm' as planting material along with recommended doses of fertilizer, treatment of planting material and all plant protection measures	350	40	55,000.00/ha	100,500.00/ha
Scientific method of potato cultivation	205	55	57,000.00/ha	10,000.00/ha
Introduction of HYV of <i>Sali</i> rice var. Ranjit, TTB-404, Shraboni etc.with modern cultivation technology viz. time of sowing & transplanting, seed treatment, fertility management, water management and plant protection measures	550	55	21,600.00/ha	50,200.00/ha
Introduction of HYV of Boro rice var. Joymoti and Kanaklata with modern cultivation technology viz. time of sowing & transplanting, seed treatment, fertility management, water management and plant protection measures	120	25	28,000.00/ha	38,500.00/ha
Seed production technique in Sali rice (Variety: Ranjit, TTB-404)	130	37	27,000.00/ha	82,000.00/ha
Improved production technology of lentil	600	35	11,000.00/ha	15,200.00/ha
Rearing of chara chamelli duck	150	20	-	-
Seed production technique in toria (Variety: TS-36, 38, 46, 67, 29)	450	71	32,000.00/ha	45,000.00/ha
Seed production technique in lentil (Var. PL 406, Maitree)	270	40	25,500.00 / has	48750.00/ha
Rearing of Indian runner duck	100	20	-	-

				92
Pig Rearing	1025	40	-	-

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

Cases of large scale adoption (Please furnish detailed information for each case)

- 1. Since 2009-10, KVK, Chirang has been exploring cultivation technology in silt deposited areas of Bongaigaon district, especially in Aie river bank with potential crop water melon. The crop was cultivated in the several pockets with no to slight scientific intervention. But with continuous efforts of KVK, Chirang famers came to know about the high yielding varieties along with scientific crop management and pest management techniques. Thus farmers were able to earn a ransom every year and now have trying for other cucurbitaceous vegetable like pumpkin, bitter gourd, snake gourd, maize and even Bengal gram. Thus Chowraguri area of Aie river bank has been demarcated as water melon growing hot spot in the locality.
- 2. Summer rice has been cultivated in limited areas of the district that too, with some unknown, intruded varieties without following proper method of cultivation. KVK, Chirang has been consistently trying to popularize HYVs of summer rice 'Jaymoti' and 'Kanaklata' and their scientific production technology in the district for last five years through on farm testing, front line demonstration and training programme. Because of its continuous effort in this direction, there has been gradual increase in area (Approx. 130.0 ha) under these two HYVs of summer rice and also increase in crop yield (60.0 q/ha). Moreover, with the development of irrigation facility, many farmers have come forward to cultivate summer rice in some new areas also. Further, because of the continuous effort made by KVK, Chirang to popularize SRI technology in summer rice, about 60.0 ha in Kokila village and 10.0 ha in Kayethpara village under Bongaigaon district have been put under summer rice cultivation with system of rice intensification.
- 3. Quality seed plays an important role in increasing the crop yield; however, seed replacement rate in the district is very low which may be attributed to ignorance of farmers on seed production technology. KVK, Chirang has been working hard to popularize seed production technology in rice in the farmer's field through training programme, front line demonstration programme, advisory services etc. since inception. About 140.0 ha area was brought under seed production programme of kharif rice (var. Ranjit) and which produced 3000.0 q quality certified seed during kharif, 2012, inspite of damage by flood in 40.0 ha area. During 2012-13, seed production in summer rice was extended to Nowapara part I, Bongaigaon, Assam with summer rice (var. Kanaklata & Joymoti) cultivation in about 34.0 ha area for the first time.
- 3 *Kharif* rice is the most important crop of the district which occupies more than 70% of the total rice growing areas. Adoption of improved production technology of Kharif rice in the farmers' field is not yet satisfactory and KVK, Chirang is trying hard to popularize improved technology through various activities like training, front line demonstration, on farm testing, advisory service etc. Because of the sincere effort, farmers have started adopting improved production technology of Sali rice especially in respect of quality seed, fertility management and pest management. At present HYV of *Kharif* rice is cultivated more than 40% of rice growing

areas of the district. Considering the high yield potential of HYVs of Sali rice, it is expected that more farmers will come forward to adopt these varieties in near future.

4 Potato is an important vegetable crop of the district and necessary technologies required for obtaining higher yield has been initiated by the scientists of KVK, Chirang. Many farmers have adopted scientific cultivation practices of potato after receiving necessary helps and guidance from the scientists of KVK, Chirang and could harvest higher crop yield. KVK, Chirang has been demonstrating irrigation management technology in potato since 2007-08 which has become a popular technology among the potato growing farmers of KVK operational areas.

4.3	Details of impact analysis of KVK activities carried out during the reporting period
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Name of coordinate technology (chill transforred	No. of	% of adaption	Change in income (Rs.)		
Name of specific technology/skill transferred	participants		Before (Rs./Unit)	After (Rs./Unit)	
Foundation seed production of Toria under PPP mode	1	50%	44000.00/ha	68750.00/ha	
Cluster demonstration of toria, variety-TS 46, NRC HB 101	92	30%	40000.00/ha	60750.00/ha	
Technology demonstration under technology showcasing of Sali	777	250/	25 000 00/ba	55 000 00/ba	
paddy Var: Gitesh, Ranjit Sub 1, TTB 404, cr Dhan909	272	25%	35,000.00/11a	33,000.00/11a	
Seed production technique in toria (Variety: TS-46& 67)	15	63%	30,000.00/ha	45,000.00/ha	
Technology demonstration under Cluster FLD lentil, Var: HUL 57	115	40%	47125.00 / has	71500.00/ha	
Improved cultivation practices in water melon (Var. Sugar Baby)	10	90%	2,66,,060.00/ha	4,80,460.00 /ha	
Cluster demonstration of pea under cluster FLD	50	20%	112000/ha	144000.00 /ha	
Technology demonstrated under CFLD of Kharif oilseed	10	250/	45000 00 /ba	70000 00/ba	
Sesamum, Var: ST-1683	40	2370	45000.00711a	70000.00/11a	
Cluster demonstration of Linseed, variety:T-397	37	30%	24000.00 /ha	32000.00/ha	
Cluster demonstration of Blackgram, Var: PU-31	72	25%	35,000.00/ha	55,000.00/ha	
Technology demonstration Niger under ClusterFLD	33	10%	115000/ha	145000.00 /ha	

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. Department of Agriculture, Chirang	i) NAEP on Rabi field crops
	ii) Technology Mission for Horticultural crops

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iii) Mission Double Cropping
iv) Supply of seed for BGREI programme
v) PRA for preparation of SREP, Chirang district
vi) Technical support for BGREI programme
vii) Association KVK scientist as resource person
viii) Programme formulation and execution under CSS-ATMA
i) Preparation of Impact point for BTAD at Bimonthly Zonal Workshop
i) Association KVK scientist as resource person
ii). Collaborative training programme organization
i) Entrepreneurship development through training
i) Organization of vocational training programmes for self-employment of Rural Youths
i) Involvement of KVK scientists as resource person in training programmes
i) Involvement of KVK scientists as resource person in training programmes
i). Organization of sponsored training programme
ii). Association KVK scientist as resource person
iii). Carrying out of sponsored action research programme in veterinary
i) Organization of training programmes
ii) Technology demonstration cum seed production of Maize,
i) Uplittment of rural community through programmes planning, identification of beneficiaries and
execution of training, demonstration and awareness programmes
i) Organizing training and demonstration programmes for economic unliftment of SHCs
ii) FLD Programme on oilseed and pulse crop
-
i). Collaborative training to the extension functionaries
i). Collaborative awareness cum training programme on PPV&FR Act 2001
Collaborative awareness cum training programme.
Collaborative HRD programme

19. Bongaigaon Gana Seva Society	Delivered lecture as resource person.
20. Luthern World Service India Trust	Delivered lecture as resource person in awareness programme on Scientific cultivation of field
	crops.
21. Livelihood Mission Trust	Collaborative interection of KVK for livelihood generating activity
22. Jagaran NGO	Delivered lecture as resource person.
23. Ramdhenu Social Development NGO	Delivered lecture as resource person.

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2018-19

Yes

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Technology Showcasing	Seed production	June, 2018	DR(A)	
Cluster demonstration on pulse	FLD	August, 2018, Oct, 2018	ICAR-ATARI VI	4,50,000.00
Cluster demonstration on oilseed	FLD	July, 2018, Oct, 18	ICAR-ATARI VI	2,34,000.00
TSP	ICM OF Jute	March, 2019	DR(A)	32,96,584.00
STC (Bari development)	Bari Development		DR(A)	3,40,000.00
AINP on VPN	Awareness programme	15/09/17 to 02/10/17	AAU, Jorhat	10,000.00
Awarapass sum training: BCRA	Awareness programme	18/11/17	PCRA, Ministry of Petroleum	7 400 00
Awareness cum training. PCRA	petroleum conservation		and Natural Gas	7,400.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district:

SI. No.	Programme	Nature of linkage	Remarks
1.	Programme Planning	Expert opinion as a member of Governing Body	
2.	Training Programmes	KVK scientists act as Resource Persons in the training programmes organized under	
		АТМА	
3.	Farm School	KVK scientists act as Resource Persons	
4.	Farmers – Scientists interaction	KVK scientists act as Resource Persons	

5.4 Give details of programmes implemented under National Horticultural Mission: No

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : No.

S. No.	Programme	Nature of linkage	Remarks

5.6 Nature of linkage with Coconut Development Board: Yes

S. No.	Programme	Nature of linkage	Remarks
1	Workshop on Scientific Coconut cultivation	KVK scientists act as Resource Persons in	
1	technology and value addition	the programmes	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2018-19

6.1 Performance of demonstration units (other than instructional farm)

	Dama Unit	Year of estd.	Area	Details of production			Amour	Demente	
SI. NO.	Demo Unit			Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks

6.2 Performance of instructional farm (Crops) including seed production

Namo	Data of	Data of		Details of production			Amount (Rs.)		
of the crop	sowing	harvest	Area (ha)	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Rice									
Wheat									
Maize									

									97
Any other									
				P	ulses				
Green gram									
Black gram	27.08.17	-	0.5	PU-31	Seed	0	996.00	0	damage due to
									heavy rainfal
Arhar									
Lentil									
Ay other									
				Oil	seeds				
Mustard									
Soy bean									
Groundnut									
Sesamum	25.08.17		1.0	Kaliabor local	Seed	0	4254.00	0	damage due to
									heavy rainfal
Niger	29.10.17	26.02.18	2.0	NG-1	Seed	0.50 q	5500.00	5000.00	Post harvest yield
									loss due to rain
Any other									
				Fi	bers				
i.									
ii.									
Spices & Plantation	crops								
Black pepper	02.04.16			Paniyur-1	cutting	50 nos.	130.00	750.00	
i.									
				Flori	culture				
Dianthus	07.11.17				Seedling	50 nos.	50.00	200.00	
Gerbera	14.08.17			Red gem	cutting	200nos.	200.00	600.00	
Chrysanthemum	18.07.17				cutting	50 nos.	50.00	150.00	
				F	ruits				
Pineapple			0.13	Kew	Fruit	9.0 q	4000.00	9000.00	Ratoon crop
Pineapple			0.13	Kew	Sucker	7000 nos.	4000.00	35000.00	Ratoon crop
Banana			0.13	Malbhog	Fruit	5.0 q	1500.00	5400.00	
Banana			0.13	Malbhog	Sucker	300 nos.	1500.00	3000.00	
				Veg	etables				
Tomato	24.09.17	13.01.18	0.033	BNT-1213F1	Fruit	3.0 q	500.00	3000.00	

									98
Tomato	10.09.17	14.10.17		BNT-1213F1	Seedling	500 nos.	300.00	1000.00	
Brinjal	14.10.17	20.01.18	0.035	Nav kiran	Fruit	4.0 q	800.00	4000.00	
Brinjal	10.09.17	14.10.17		Nav kiran	Seedling	650 nos.	200.00	500.00	
Chilli	09.10.17	10.03.18	0.033	Tejaswini	Fruit	0.12 q	200.00	500.00	
Chilli	10.09.17	14.10.17		Tejaswini	Seedling	300 nos.	150.00	300.00	
Cabbage	10.09.17	14.10.17		BC-76	Seedling	400 noss.	200.00	400.00	
Cauliflower	10.09.17	14.10.17		Kimaya	Seedling	300 noss.	100.00	200.00	
Potato	10.12.17	15.03.18	0.013	Kufri jyoti	Tuber	5.0 q	3000.00	5000.00	
		•	•	Other	s (specify)	•		·	
Buckwheat	29.10.17	26.02.18	2.0	local	Seed	2.0 q	4000.00	5000.00	Post harvest yield loss
									due to rain

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

SI.	Name of the	_	Amou		
No.	Product	Product Qty		Gross income	Remarks
1	Azolla	2.0 qt		1500.00	Products were used in the
2	Vermicompost	3.0 qt	Farm wastage used	3000.00	KVK farm

6.4 Performance of instructional farm (livestock and fisheries production) : No livestock unit at the farm

SI.	Name	Det	tails of production		Amou	nt (Rs.)	
No	of the animal / bird / aquatics	Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

Date	Title of the training course	No. of Courses		No. of Participants including SC/ST			No. of SC/ST Participants		
Date	The of the training course	Client (PF/RY/EF)	/EF)	Male	Female	Total	Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2018-19

Accommodation available (No. of beds) : No hostel facilities

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total					
Grand total					

Note: (Duration of the training course X No. of trainees)=Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute			
With KVK	State Bank of India	BRPL Complex, Dhaligaon	0010266315899
Revolving Fund	State bank of India	BRPL Complex, Dhaligaon	0031766578300

7.2 Utilization of funds under FLD on Maize (*Rs. In Lakhs*) if applicable: NA

Itom	Released by ICAR/ZPD		Expe	nditure	Lincoant balance as an 21 st March 2015
item	Year	Year	Year	Year	Unspent balance as Un S1 Warch, 2015
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2018 -19

S. Particulars Sanctioned (in Released	Expenditur	
--	------------	--

				100						
Ν		Lakh)	(in Lakh)	е						
о.				(in Lakh)						
A. R	A. Recurring Contingencies									
1	Pay & Allowances	110.00	104.55	104.55						
2	Traveling allowances	2.50	1.59	1.59						
3	Contingencies									
Α	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and									
	library maintenance (Purchase of News Paper & Magazines)	15.50	15.09	15.09						
В	POL, repair of vehicles, tractor and equipments									
С	Meals/refreshment for trainees									
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)									
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)									
F	On farm testing (on need based, location specific and newly generated information in the major production									
	systems of the area)									
G	Training of extension functionaries									
н	Maintenance of buildings									
I	Establishment of Soil, Plant & Water Testing Laboratory									
J	Library									
TOTAL (A) 15.50				15.09						
B. N	Ion-Recurring Contingencies									
1	Works									
2	Equipments including SWTL & Furniture									
3	Vehicle (Four wheeler/Two wheeler, please specify)									
4	Library (Purchase of assets like books & journals)									
	TOTAL (B)	0.00	0.00	0.00						
C. R	C. REVOLVING FUND									
GRA	GRAND TOTAL (A+B+C)									
1										

7.4 Status of Revolving Fund (Rs. in lakhs) for last three years

				101
Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2016 to March 2017	1.54376	1.19342	0.62407	2.11311
April 2017 to March 2018	2.11311	0.44414	0.02304	2.53421
April 2018 to March 2019	2,53,421.00	40,180.00	5,679.00	2,87,922.00

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

- (a) Administrative: One vehicle is not sufficient for functioning of all mandated activities and other activities
- (b) Financial: Allocation of fund under the recurring head is not sufficient
- (c) Technical: Additional activities other than mandated activities affect the normal activities

(Signature) Sr. Scientist cum Head