ANNUAL REPORT, 2020-21

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 PO: Kajalgaon, Dist: Chirang BTAD, PIN: 783385	Office	FAX	kvkbngn@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University Jorhat-785013	0376-2340013	0376-2340001	kvkaau@gmail.com,

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Chandan Kumar Deka	8638471840	8638471840	ckdeka@rediffmail.com

1.4. Year of sanction: 2004

1.5. Staff Position (As on 31st March, 2020)

Sl. 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	Head	Dr. Chandan Kumar Deka	Senior Scientist and Head	Agronomy	Level 13A	152,300.00	07.11.2008	Permanent	General
2	Subject Matter Specialist	Dr. Hiranya Kumar Baruah	SMS	Agril. Economics	Level 10	77,700.00	07.11.08	Permanent	General
3	Subject Matter Specialist	Ms Mandakini Bhagawati	SMS	Horticulture	Level 10	65,000.00	10.10.15	Permanent	General
4	Subject Matter Specialist	Dr Rajeev Bhandar Kayastha	SMS	Animal Science	Level 10	65,000.00	17.10.15	Permanent	General
5	Subject Matter Specialist	Mr. Mahesh Kalita	SMS	Agronomy	Level 10	67,000.00	04.02.14	Permanent	General
6	Subject Matter Specialist	Ms. Juri Talukdar	SMS	Entomology	Level 10	59,500.00	26.04.18	Permanent	OBC
7	Subject Matter Specialist	Mr. Poran Kishor Dutta	SMS	Soil Science	Level 10	59,500.00	25.08.18	Permanent	General
8	Programme Assistant	Mr Sailen Talukdar	Programme Assistant	Crop Physiology	Level 6	53,600.00	21.03.09	Permanent	SC
9	Computer Programmer	Anirban Singha	Computer Programme Assistant	-	Level 6	41,100.00	06.08.15	Permanent	General
10	Farm Manager	Mr Jyotish Sarma	Farm Manager	Crop Physiology	Level 6	46,200.00	09.09.11	Permanent	General
11	Accountant cum Superintendent	*****				-			
12	Jr. Stenographer cum computer operator	Mr. Mrinmoy Jyoti Dutta	Jr. Stenographer cum computer operator	Stenography	Level 4	27,100.00	04.02.19	Permanent	General

13	Supporting staff	Mr. Levi Murmu	Supporting staff	-	Grade IV	24,490.00	16.10.04	Permanent	OBC
14	Driver	Mr. Lakhi Ram Brahma	Driver cum Mechanics	-	Level 3	27600.00	20.02.12	Permanent	ST
15	Driver	Mr. Sanju Boro	Driver cum Mechanics	-	Level 3	27,600	20.02.12	Permanent	ST
	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

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

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			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	-	-	Complete
2.	Conference hall	TSP	31.3.15	25	200000.00			Complete
3.	Farmers Hostel	-	-	-	-	-	-	-
4.	Staff Quarters (6)	-	-	-	-	-	-	-
5.	Demonstration Units (2)					-	-	-
	a. Azolla tank	RKVY	31.03.13	51	246000.00			Complete
	b. Vermicompost unit	RKVY	31.03.13	52	246000.00			Complete
	c. Shade net house	RKVY	31.3.14	100	500000.00			Complete
	d. Goatary unit	TSP	31.3.19	45	200000.00			Complete
	e. Poultry unit	TSP	31.3.19	45	200000.00			Complete
	f. Bioflocks	TSP	31.3.19	20	35000.00			
	g. Dragon fruit unit	TSP						Complete
	h. Kitchen Garden unit	KVK						Complete
	i. Bamboo							Complete
	j. Low cost Vermicompost Unit	****						Complete
	k. Assam lemon cutting unit	****						Complete
	l. Papaya Demo unit	****						Complete
	m. Shade net house for saplings	*****						
6	Godown	RKVY	31.3.15	300	1000000.00			Complete
7	Parking stand	TSP	31.3.14	90	180000.00			Complete
8	Garrage	TSP	31.3.19	42	160000.00			Complete
9	Fencing	ICAR	31.3.13	406 m	1500000.00-	-	-	Incomplete

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	101401	Good
Tractor	19B 1740	2006	3.66 lakh	2472	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
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 2020-21 :

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1	08.03.2021	DEE, AAU, Jorhat, DR (Agri) AAU, Jorhat, Dean, SCSCA, Rangamati, CS,RARS, Gossaigaon, ICAR-ATARI, Zone VI, RRLRRS, Geruwa, KVK, Chirang, DAO, Chirang, DFO, Chirang, DIC, Chirang, Department of Irrigation-Champawati Canal Division , Dhaligaon, Department of Sericulture, NABARD Chirang, Department of Fishery, Chirang, Sesta NGO	Attached SAC Proceedings	

**** 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)

Sl. No	Farming system/enterprises
1.	Agriculture (field crops)—Horticulture (Fruits and vegetables)
2.	Agriculture (Field crops)—Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
3.	Agriculture (Field crops) – Fishery
4.	Agriculture (Field crops)—Sericulture (Eri and muga silkworm)
5.	Agriculture (Field crops)—Horticulture – Animal Husbandry (Piggery, duckery, goatary, poultry and dairy)
6.	Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Fishery
7.	Agriculture (Field crops)—Horticulture (Fruits and vegetables)—Forestry
8.	Agriculture (Field crops)—Animal Husbandry (Piggey, duckery, goatary, poultry and dairy)-Fishery
9.	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:

Sl. No	Agro-climatic Zone	Characteristics
1.	Lower Brahmaputra Valley Zone	The soil of the zone is mostly acidic in nature and soil PH gradually increases towards the river Brahmaputra. The soil is medium to high in organic carbon and available N and P_2O_5 low and medium in K_2O status. Four orders of soils are found in the zone (i) Entisol, (ii) Inceptisol, (iii) Alfisol and (iv) Ultisol.

B. Agro-ecological Situations

Sl. 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 alluvial middle plain	Old riverine alluvial type (Inceptisol). The texture of the surface soils ranges from sandy loam to loam, silty clay loam, silty clay and clay. The topography is almost plain.
4.	Char like land	New alluvial plains, neutral in reaction, sandy-silty-clayey, sandy-silty and sandy in soil texture (Entisol). Chronically flood affected areas except the stable chars.
5.	Beels	Entisols, usually peaty in nature and texturally these are silty and clay. Low lying waste land areas

2.3 Soil types

Sl. 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

S.l. No.	Crop	Area (ha)	Yield	
			Production (MT)	Productivity (Kg/ha)
	Cereal crops			
1	Autumn Rice	10568.5	10663.62	1009
2	Winter Rice	38910.6	61634.40	1584
3	Boro Rice	1566	3875.85	2475
	Total Rice	51125.1	73875.77	1445
4	Wheat	1064	1755	1649
5	Maize	478	291	609
	Total production		**75921.77**	
	Pulse crops			
6	Arahar	382.5	318.62	833
7	Greengram	143.5	58.26	406

8	Black gram	1364	636.98	467
9	Gram	213	100	470
10	Lentil	2050.5	1060.10	517
11	Peas	883	675.50	765
12	Other Pulses	754	367.95	488
13	**Total Production**		**3217.41**	
	Oilseeds			
14	Rapeseed & Mustard	8683.5	3490.77	402
15	Castor	28.5	9.5	333
16	Sesamum	829	369.73	446
17	Linseed	178	78.50	441
18	Niger	631.5	327.12	518
	Total Production		**4275.62**	
	Horticultural crops			
19	Papaya	155	2208	14245
20	Banana	924	11623.0	12579
21	Orange	972.5	8166.08	8397
22	Pineapple	683.5	12726.77	18620
23	Sweet Potato	236	708	3000
24	Tapioca	542.5	2358.79	4348
25	Potato	3426	25766.95	7521
26	Colocasia	277	3878	14000
27	Citrus	621	4657.5	7500
28	Areca nut	5071.54	164825.05	32500
29	Coconut	407	**1159.95**	2850
30	Mango	304.2	2112.36	6944
31	Litchi	183.5	2752.5	15000
32	Guava	138.5	9002.5	65000
33	Watermelon	**12**	540.0	45000
	Total production		**63557.59**	
	Spice crops			
34	Chilli	936.5	595.6	636
35	Onion	300.5	601	2000
36	Black Pepper	81.4	135.7	1667
37	Turmeric	719	27753.4	38600
38	Ginger	623	4337.3	6962
39	Coriander	283	155.65	550
40	Garlic	257	1799.0	7000
	Total production		**4894.3**	
	Commercial crops			
42	Sugarcane	92	3330	36196
	Total production		**3,330**	
	Fibre Crop			
43	Jute	1530.3	2592	1694
44	Mesta	156.3	189	1214
	Total production		**2781**	
	Vegetables			
45	Kharif vegetables	1984	31992	16125
46	Rabi vegetables	4321	48628	11254
	Total production		**80620**	

2.5. Weather data

Month/Year	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April 2020	110.2	34.2	19.8	80.4
May 2020	349.1	35.1	20.1	87.2
June 2020	591.3	36.3	21.5	88.3
July 2020	355.2	35.0	21.3	86.8
August 2020	295.8	37.0	24	79.3
September 2020	473.8	34.0	21.0	84.5
October 2020	65.6	34.0	20.0	80.4
November 2020	4.0	29.6	12.0	76.2
December 2020	0	27.0	9.0	76.1
January 2021	1.2	25.2	5.0	70.6
February 2021	0.6	25.4	8.4	75.3
March 2021	35.5	27.1	11.0	75.5

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	60 ton kg/year	25 kg/animal
Indigenous	9412		
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

2.6 Demographic details

Sl.No.	Particulars	Quantity
i)	**Population**	
	Male	2,44,675
	Female	2,37,143
	Total Population	4,81,818
	Rural	44,6290
	Urban	35,528
ii)	**Population Density/sq.km**	244
iii)	**Literates**	266380
	Male (%)	55.95
	Female (%)	44.06
iv)	**Details on SC/ST population**	
	Male	92040
	Female	89622
	Total Population	181662
	Literacy rate (%)	
	Male	60.90%
	Female	49.49%
	Total Literacy rate	55.28%
v)	**Major languages spoken in the district**	Bodo, Assamese, Nepali, Bengali, Hindi
vi)	**Infant mortality rate**	23.4 per 1000

2.7 Block wise Literacy rate (%) details

Sl.No.	Name of the block	Total literacy		
		Male	**Female**	**Total**
1	Sidli	56.49	43.51	52.16
2	Dangtal (part)	54.36	45.64	75.84
3	Borobajar	53.33	46.67	43.84
4	Manikpur (part)	53.68	46.31	69.28
5	Kokrajhar (Part)	55.68	44.86	61.26

2.7. Farm Family Information:

Sl. No.	Particulars	Sub Division		Chirang district
		Kajalgaon	**Bijni**	**Total**
1	**SC farm Families**	**2195**	**4004**	**6197**
	(a) Landless	742	742	1484
	(b) Marginal	672	1189	1859
	(c) Small	565	1667	2232
	(d) Big	216	406	622
2	**ST farm Families**	**17922**	**19835**	**37757**
	(e) Landless	3635	2364	5999
	(f) Marginal	7286	5745	13031
	(g) Small	3450	9133	12583
	(h) Big	3551	2593	6144
3	**OBC farm Families**	**4186**	**7485**	**11671**

	(i) Landless	575	1426	2401
	(j) Marginal	1280	2129	3409
	(k) Small	2421	3299	5720
	(l) Big	500	631	1131
	General farm Families	**7013**	**12904**	**19917**
	(m)Landless	2007	2293	300
	(n) Marginal	1730	4678	6408
	(o) Small	2463	4914	7377
	(p) Big	813	1019	1832

2.8 Educational and other infrastructure facilities

Sl.No.	Particulars	Numbers /Values
01	Educational facilities	
a)	Pre-primary	400
b)	Primary	922
c)	Middle	112
d)	High	80
e)	Higher secondary	10
02	Professional colleges	
a)	Medical	-
b)	Engineering	1
c)	Agriculture	-
d)	Veterinary /Fisheries	-
e)	Others (please specify) , Govt.College	1
03	Number of Arts and science colleges	6
04	Institutional credit Facility	
a)	Name of the Lead Bank	State Bank of India
b)	Number of branches of lead bank in the district	4
c)	Other Commercial Banks	18
d)	Primary Land Development Bank	-
e)	District Central Co-operative Banks	-
f)	Urban Banks	-
g)	Primary Agricultural Co-operative credit society	1
05	Agricultural Marketing and Processing	
a)	Number of Permanent Markets/Central Markets	5
b)	Number of weekly markets/Shandies	15
c)	Number of cold storage units for agricultural produce	1
d)	Number of agro based /agro based processing industries	
i)	Small scale	5

2.9 Land use pattern

Total geo-graphical area	:	108994 Ha
Total cultivable area	:	60239 Ha
Total cultivated area	:	53042 Ha
Cultivable waste	:	2612 Ha
Current fallow	:	4112Ha
Total area under forest	:	9648.71Ha
Total area under pasture	:	6842Ha

Land put on non agricultural use	:	7042Ha
Cropping intensity	:	152.62%

2.10 Area operated according to land holding

Land holding size (ha)	Total No. Of farmers	Total area of holding (Ha)
0-1	46891	20742
1-2	27912	37216
2-4	5021	10711
4-10	3143	15086
above 10	1565	15951
Total	**84532**	**99706**

2.11 Land utilization statistics

Block	Geographical area	Forest Area	Land Under Non-agril. Use	Cultivable waste	Permanent pastures	Land under miscellaneous tree crops and groves	Current Fallows	Other Fallows	Net sown area	Gross cropped area	Cropping intensity (%)
1	2	3	4	5	6	7	8	9	10	11	12
Sidli	53819	8953.71	2595	1263	2025	888	2303	178	20841	30023	144.06
Dangtol (part)	3644	40	91	146	53	89	406	40	1919	2591	135.01
Borobazar	32851	500	3169	881	3535	453	1038	195	20288	31460	155.07
Manikpur (part)	15735	155	982	273	1095	140	322	60	8734	14935	171
Kokrajhar (part)	2945		205	49	134	48	43		1260	1945	154.37
Total	**108994**	**9648.71**	**7042**	**2612**	**6842**	**1618**	**4112**	**473**	**53042**	**80954**	**152.62**

2.12 Land holding

Block	Marginal Farmers		Small Farmers		Semi-med. Farmers		Landless farmers		Large farmers		Total	
	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Sidli	7660	4192.90	5310	3594.90	2999	7676	438	91	225	2295	17026	22638
Dangtol(part)	202	162	731	1169	384	952	60	12	64	672	1441	2967
Borobazar	7049	3760	7457	9942	1279	2728	5078	1184	1111	2674	21974	20288
Manikpur (part)	4159	1617	4399	4275	893	1183	2996	509	655	1150	13102	8734
Kokrajhar (part)	677	3385	249	317.20	142	426	42	178.3	0	0	1110	1260
Total	**19747**	**13116.9**	**18146**	**19298.1**	**5697**	**12965**	**8614**	**1974.3**	**2055**	**6791**	**54653**	**55887**

2.7 Details of Operational area / Villages (2020-21)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Kajalgaon	Sidli	South Kajalgaon, Kasikotra, Hulmagaon No. 1, Saljhora, Baikhungaon, Tangabari, Padmapur, Nimagaon, Kolobari, Banduguri, Sundari, Kashikotra, Hatipota, Dangaigaon, Baikhungaon, Dwkhanagar Tirimari, Basugaon, Runikhata, Dadgiri, Deoshree, Tukrajhar, Mulandubi, , Amlaiguri, North Sukhanipara, Thuribari, South Silkaguri, Sakatiuzanpara, Sakati Bhatipara, Fulguri, Khagrabari, Nalbari, Kachutola, Bhutkura, Nichinapara, Basugaon Turibari, Bhutiapara, Tukrajhar-I, Kanibhur, Salbari, Domgaon, Paschim Hulmagaon-I, Hulmagaon-II, Pub – Domgaon, Choto Nilibari, Maidam Runikhata, Runikhata, Ashrabri, Pub-Ashrabari, Taktara, Ghoramari, Duligaon, Pakhriguri - 2, Gossaigaon, Pakhriguri-1 Amguri –II, Guwabari, Nehalgaon, 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 Gumargaon,Thalirbari, Deolguri, Sefrnguir, Bangaldoba, New Latima Hatipota,Bhouraguri, Oxiguri, Pretgaon, Purnimabazar, Anandabazar,	Rice, rapeseed & mustard, sesame, black gram, buckwheat, kharif & rabi vegetables, maize, banana etc. are important crops. Major enterprises included cropping, dairy, backyard poultry, goatery etc	-Soil acidity -Rain fed farming -Low rate of seed replacement - Yield gap in paddy, pulses, oilseeds, fruits and vegetables -Imbalance use of chemical fertilizer -Low productivity of animals	-Acid soil management -Productivity enhancement in major field crops. - Popularization of HYVs - Seed and planting material production --Commercial production of fruits and vegetables. -Adoption of INM and IPM technologies. -Live-stock management -Formation of farm science club
2.	Bijni	Boroba zar	Majrabari, Batabari, Pub Khamarpara, Saragaon, Laugaon, Larugaon, Batabari, Agrong pakriguri, Dahlapara, Daisunguri, Khamarpara, Labdanguri, Kishan Bazar Majrabari, Moneswari, Kochubari, Borgaon, Ulu Bari, Thasobari, Ballamguri, Pub-Makra, Malivita,	Major crops are rice, lentil, toria, rapeseed & mustard, areca nut, coconut, banana, vegetables, bamboo etc.	-Soil acidity -Yield gap in paddy, pulses, oilseeds, fruits and vegetables -Low rate of seed replacement and poor	-Management of acid soil -Crop planning for rainfed area. -Commercial production of fruits and vegetables. -Increasing

			Janata Bazar, Malivita F.V, Amteka F.V, Dhalpani Forest Block, Simlaguri Forest Block, Dakhingaon F.V, Bhurbasti FB, Bhur FV, Parbatipur, Gendabil, Koila - Moila, Narayanpur, Napalpara, Parbatjhora, Pub - amguri, No. 1 Mazrabari, Malipara, Pachim Makra, Baripara No.1, Sowari No. 2, Sowari No. 1, Dahalapara No. 2, Dahalapara No.2, Bishnupur No. 3, Bishnupur No. 2, Bishnupur No. 1, Kachubil No. 1, Kachubil No. 2, Thaisobari No. 2, Thaisobari No. 1, Panbari, Betbari No. 1, Betbari No. 2, Purakhola, Silikhaguri, Larugaon No. 1, Larugaon No. 2, Bagargaon, Silikhaguri No. 2, Dewanpara No. 2, Silikhaguri No. 1, Lasatipara, Pub – Khamarpara, Batabari, Doturi, Kawatika -1 Kalobari, Puradia, Silbari, Dangage, Bagakgaa, Dokhona gaon, Larugaon, Kuklung,	Major enterprises are cropping, fishery, dairy, duckery, goatery, backyard poultry, Mushroom etc.	adoption of HYVs -Poor fertility management -Rainfed farming -Un-organized marketing system -Low productivity of animals --Low production of fish per unit of water bodies.	productivity of major field crops through improved crop management practices -Popularization of HYVs -Seed and planting material production -Adoption of INM and IPM technologies. -Live-stock management -Adoption of improved fish 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 2020-21

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	1				2			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	T	A	T	A	T	A	T	A
Agronomy	3	3	9	6	6	5	74	37
Plant protection	2	2	6	6	5	3	44	65
Soil Science	2	2	6	6	4	4	25	25
Horticulture	3	3	7	6	4	3	13	21
Ani. Sci.	2	2	6	6	5	4	15	15
Economics	3	0	210	0	2	2	50	40
Home Science	1	0	10	0	0	0	0	0
Total	**16**	**12**	**254**	**30**	**26**	**21**	**221**	**203**

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	**T**	**A**	**T**	**A**	**T**	**A**	**T**	**A**
Farmers	**34**	33	875	700	1540	2015	4560	5265
Rural youth	19	13	525	267				
Extn. Functionaries	8	2	245	42				
Civil Society	3	0	75	0				
Vocational Training	6	2	115	42				
Total	**70**	**50**	**1332**	**1051**	**1540**	**2015**	**4560**	**5265**

Seed Production (ton.)	Planting material (Nos. in lakh)
5	6

Target	Achievement	Target	Achievement
350.00	415.25	0.15	0.1365

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2020-21

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Reduction of yield gap in major field crops through introduction of improved varieties and crop management practices	Mustard Sali rice, Buckwheat, Jute, ,Lentil, Toria, Sesamum, Blackgram, pea	Yield gap due to poor adoption of HYV and poor knowledge on scientific management practices, poor weed management	1.Performance of new rapeseed variety JT 90-1 (Jeuti) under delayed sowing condition 2.Performance of mid duration Sali rice Variety - CR Dhan 801,CR Dhan-802 3.Performance of Buckwheat variety Sikkim Local 1 & Sikkim Local 2	1. Integrated crop management of Buckwheat in Ricre-Buckwheat sequence 2. Integrated crop management niger in rice – niger sequence 3. Integrated crop management of olitorious jute variety Tarun for fibre 10.Demonstration of submergence tolerant rice variety Ranjit Sub-1 under flood prone condition	1. Improved production technology of *Rabi* oilseeds 2. Scientific method of cultivation of rabi oilseed crops in rice –toria sequence 3. Scientific methods of cultivation of rabi pulse crops in rice-pulse sequence 4. Scientific method of cultivation of olitorius jute	-	Advisory services, diagnostics visit, field visit, Field day, Method demonstrations	Seed, fertilizers and other critical inputs
2.	Seed production	Mustard, Toria, Rice	Non availability of quality seed and planting materials	1. Effect of chemicals in controlling pre-harvest sprouting in wheat	2. Foundation seed production of Toria(TS-46,) through PPP mode	1. Seed production of muistard var: NRCHB-1 under ICAR ProJect 2. Seed production technology and scientific cultivation practices of oilseed crops 3. Improved production technology of wheat	1.Certification procedure of different field crops 2. Seed production technology of mustard, Var: NRCHB-1.	Field Day on Improved production and foundation seed production technology in Toria, Mustard andRice	Seed, chemical fertilizer and pesticides

3.	Integrated pest management /Integrated disease management /Biological Management	Sali rice, Brinjal, Bottle gourd, field pea	Lack of scientific approaches in insect pest and disease management strategies	1. Biological pest management of Sali paddy against leaf folder and Gandhi bug in rice-toria sequence 2Management of cutworm in field pea 3. Management of bio pesticide for management of soil borne pathogens and insect of Brinjal 4.Management of fruit fly in bottle gourd through pheromone trap	1. Monitoring and management of rice yellow stem borer through pheromone trap in rice-toria sequence 2. Protection of eriworm against insect through mosquito net for better quality and higher production of eri worm 3. Determination of efficacy of non-woven poly propylene 17 GSM bunch bag for controlling fruit scarring beetle in Banana 4. Scientific beekeeping for increasing agricultural productivity and additional income 5. Year round cultivation of Mushroom variety oyster 444	1. Integrated pest management in summer and winter rice. 2. Scientific Beekeeping. 3. Integrated pest and disease management in tomato. 4. Recent advancement in pest and disease management in agriculture. 5.Integrated pest and disease management in winter vegetables		Advisory services, field visits, Diagnostic visit, Field day	Bio pesticides, bee hive, Bunch bag, Pheromone traps (Funnel trap), Mushroom
4.	Varietal introduction	Tomato, Pumpkin,	Crop loss due to high incidence of diseases in tomato, low yield of local variety	1.Performance of multiple disease resistant tomato varieties in farmers field	Popularization of pumpkin in farmers field, Cultivation of watermelon in sand and silt deposited areas	-	1.Scientific cultivation o f winter vegetables 2.Crop diversification in sand silt deposited areas	Advisory services, diagnostics visit, field visit, Field day,	Seed, fertilizers and other critical inputs
5.	Commercial production and management of horticultural crops	Assam lemon, black pepper, pineapple, banana,arecanut	Non utilization of interspaces, poor knowledge on scientific crop cultivation	-	1.Scientific cultivation of banana 2.Arecanut based intercropping	-	1.Multiple cropping system and traditional bari system 2.Scientific cultivation of banana and assam lemon	Advisory services, diagnostics visit, field visit, Field day,	Planting material fertilizers and other critical inputs
6	Nutrient management	Banana	Low productivity due to imbalanced and untimely use of fertilizers	1.Stage wise nutrient management in banana var. Malbhog	-	-	Scientific crop management practices in major fruit crops of assam	Advisory services, diagnostics visit, field visit, Field day,	Rhizomes, fertilizers and other critical inputs

7	Soil health and nutrient management	Sali paddy, Toria, Knolkhol, Blackgram	Improper management of soil due to imbalanced chemical fertilizer use, poor knowledge on nutrients and resource use efficiency and poor fertilizer management.	1.Cultivation of Knolkhol by using organic sources of nutrient 2. Root – dipping in SSP-MC slurry method of P management of rice in rice – toria sequence 3.Performance of biofertilizer in kharif blackgram in blackgram – okra sequence 4. Cultivation of Knolkhol by using organic sources of nutrient	1. Application of zinc and boron on rice-rapeseed sequence 2. Integrated nutrient management in toria	1. Role of biofertilizer and its application in different field and horticultural crops 2. Soil testing procedures and its importance in crop production. 3.Soil and water conservation practices 4. Nutrient management in fruits and vegetables	Production technology of biofertilizer and its utilization in farmers field to sustain soil health.	Diagnostic visit and Advisory Services and field day.	Seed & fertilizer
8	Soil microbes (beneficial)	Vermi compost	Improper use of biowaste	-	1. Production of vermicompost in low cost vermicompost unit	1.Production technology of biofertilizer (Azolla, Vermicompost and Enriched compost)	-	Advisory services and method demonstrations and field day	Bamboo based earthen mud plastered low cost vermi compost unit & earth worm species *Eisenia foetida*
9	Scientific livestock management	Poultry, Duck, Rabbit, Pig, Goat,	Low productivity of indigenous birds and animals,	1. Productive performance of HD-K 75 breed of pig under semi-intensive managemental condition 2. Productive performance of Daothigir chicken under backyard system. 3.Performance of Black Bengal Goat under low cost raised platform system of housing.	1. Rearing of Broiler duck for economic upliftment of tribal women in Chirang district. 2. Productive performance of broiler rabbit under backyard (Newzealand White/Soviet) 3. Rearing of dual purpose Kadaknath chicken for livelihood security 4. . Quail farming for additional income generation 5. Rearing of Turkey bird for lean meat production	1. Scientific pig farming 2. Scientific poultry farming	-	Advisory services, Field visit	100 nos Kadaknath chicks, 9 nos Pigs, 100nos Turkey birds, 100 nos. broiler Ducks, 15 nos Broiler rabbits, 3 nos. Goat shed
10	Scientific mushroom cultivation	Mushroom	Consumption of wild mushroom	-	1. Milky Mushroom cultivation for economic upliftment 2. Oyster Mushroom cultivation for economic upliftment	Year round mushroom cultivation for economic upliftment	-	Practical demonstration, Training, monitoring and field day	Mushroom spawn, plastic bag

11	**Beneficial Insect**	**Honey bee**	**Lack of scientific knowledge**		**1.Scientific Beekeeping. Rearing of Indian honey bee, *Apis cerana indica***				

3.1 Achievements on technologies assessed and refined during 2020-21

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

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Varietal Evaluation	1		1		2					4
Seed / Plant production										
Weed Management										
Integrated Crop Management			1							1
Integrated Nutrient Management	3					1				4
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					1					1
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**4**		**2**		**3**	**1**				**10**

* *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					1			1
Nutrition Management	1							1
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	**1**				**1**			**2**

A.4. Abstract on the number of technologies **refined** 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 Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio (if applicable)
Agronomy									
1	Organic cultivation of high value aromatic rice	Low yield of existing varieties	Treatments T_1: Enriched compost @ 5 t/ha + Bio fertilizer (Azospirilium, Azotobacter, PSB as seedling root deep with plant protection measures Pheromone trap + Trichocard + Neem base pesticides T_2: Farmers practice (Check))	Aromatic rice	3	**T1:** Plant height- 106 cm Effective tiller/ m^2- 178 nos. Test weight- 17.8 g Yield- 21.2 q/ ha B-C ratio- 1.51 **T2 :** Plant height- 101 cm Effective tiller/ m^2- 166 nos. Test weight- 17.8 g Yield- 19.6 q/ ha B-C ratio- 1.45	Farmers found the technology suitable.	Technology is satisfactory and economically viable	T1:1.51 T2: 1.45
2	Performance of buckwheat varieties in rice-buckwheat sequence	Low productivity of existing varieties	Treatments T_1: Variety Sikkim Local T_2: Gossaigaon local	Buckwheat	3	**T_1:** Plant height- 73.5 cm Primary branch/ plant- 9 nos. Yield- 11.6 q/ ha B-C ratio- 2.51 **T_2:** Plant height- 73.5 cm Primary branch/ plant- 4 nos. Yield- 7.2 q/ ha B-C ratio- 1.69/ ha	Farmers preferred both the tested varieties due to their significantly high yield over the check	The variety can be used as late sowing with good production. Can be popularized through FLD	T_1: 2.51 T_2: 1.69

3	Effect of straw mulching in Chickpea	Low moisture conservation		Chickpea	1	**T1**: Plant height- 45 cm Primary branch/ plant- 6-7 nos. Pod/ plant- 10-12 nos Test weight- 151.4 g Yield- 3.6 q/ ha B-C ratio- 1.08 **T2:** Plant height- 30 cm Primary branch/ plant- 5-6 nos. Pod/ plant- 7-8 nos Test weight- 151.1 g Yield- 2.9 q/ ha B-C ratio- 1.01	Farmers found the technology suitable	Can be recommended for FLD	T1: 1.08 T2: 1.01
Plant Protection									
4	Efficacy of bio-pesticide for management of soil borne pathogen and insect of brinjal	Yield loss due pest attack	Treatments T1: seed treatment with liquid consortia @ 5ml/kg 3 days before sowing + seedling deep treatment with consortia of bio fertilizer + spray of liquid bio pesticides @ 3 ml / L of water 15, 30, 45 & 60 DAT. T2: Control	Brinjal	3	T_1:Disease & pest incidence Root rot(%): 4 Bacterial wilt(%):11 Fusarium wilt (%):2 Cut worm (%):4.32 Yield- 203q/ha T_2: Disease & pest incidence Root rot(%): 11 Bacterial wilt(%):29 Fusarium wilt (%):9 Cut worm (%): 13 Yield- 176.02 q/ha	Farmers found best suitable and effective bio pesticide against soil borne diseases of soil	Availability of bio pesticide is a problem in this locality which must be made available for large scale availability	T_1:4.51 T_2: 3.91
5	Feeding of tapioca leaves for quality and production of silkworm	Alternate feed for silkworm	Treatments T1: Tapioca leaf T2: Control (Eri leaf)	Tapioca	3	Larval duration -23 days Larval weight-4.59 g Effective rate of rearing-80.14% Cocoon weight-2.90 g	Farmers found the technology suitable.	Feeding is more of tapioca leaf as compared to era leaf	T1: 7.3 T2: 4.8

						Silk weight-0.35 g Pupal weight-2.43 g B: Ratio-7.3 Larval duration -30 days Larval weight-4.13 g Effective rate of rearing-75.23% Cocoon weight-2.78 g Silk weight-0.37 g Pupal weight-2.27 g B: Ratio-4.8			
Soil Science									
6	Exploitation of potash solubilizing bacteria in reduction of potassic fertilizers in sali rice.	Poor yield due less potash uptake	Treatment; T1: NPK @ 60:20:20 Kg/ha + Consortia of KSB as seedling root dip treatment @ 3.5 kg/ha T2: RD of NPK @ 60:20:40 kg/ha	Sali Rice	3	**T1:** Plant height-119 Tiller/hill-17 Effective Tiller /hill-15 Grains/panicle-198 Yield-47.5 B:C Ratio-2.26 **T2:** Plant height-118 Tiller/hill-16 Effective Tiller /hill-13 Grains/panicle-196 Yield-45.3 B:C Ratio-2.12	Farmers found the technology effective and suitable	The yield found to be enhanced as compared t the control	T1: 2.26 T2:2.12
7	Response of Rice to Zink solubilizig bacteria for zinc nutrition	Zink deficiency in the soil	Treatment: T1: rd OF NPK @ 60:20:40 KG/HA + Consortia of Zn solubilizing bacteria as seeding root dip treatment. T2: RD OF NPK @ 60:20:40 kg/ha + $ZnSO_4$ @ 25 Kg/ha	Sali Rice	3	**T1:** Plant height-121 Tiller/hill-17 Effective Tiller /hill-14 Grains/panicle-199 Yield-47.5 B:C Ratio-2.19 **T2:** Plant height-120 Tiller/hill-18 Effective Tiller /hill-15 Grains/panicle-201	Farmers found the technology effective and suitable	The yield found to be enhanced as compared t the control	

						Yield-48.2 B:C Ratio-2.26			
Horticulture									
8	Assessment f French bean varieties in farmers field	Low productivity of traditional variety	T1: Arka Komal T2: Selection 9	French bean	3	**T1:** Pod length(cm)-15.3 Pod yield per plant(g)-376.7 Total yield (q/ha)-184.7 Gross cost (Rs/ha)-65000 Net Return (Rs./ha-)212050 B:C Ratio-4.26 **T2:** Pod length(cm)-14.6 Pod yield per plant(g)-352.3 Total yield (q/ha)-172.5 Gross cost (Rs/ha)-64500 Net Return (Rs./ha-)159750 B:C Ratio-3.48	Farmers found the variety suitable	The yield of Arka Komal found to be high as its pod length is greater than the selection 9	T1-4.26 T2-3.48
9	Varietal performance of tomato in farmers field		T1: Arka Abhed T2: Arka Rakshak T3: Trishul (Check)	Tomato	2	**T1:** Plant height(cm)-112.67 No of fruit per plant-112.4 Average fruit weight (g)- 62.4 Total yield (t/ha)-94.8 Gross cost (Rs/ha)-120000 Gross Return (Rs./ha)-	Farmers found the variety Arka Abhed suitable and have more disease resistance	Yield of Arka Abhed is found to be superior	T1-6.3 T2-4.2 T3-4.6

						758400 B:C Ratio- 6.3 **T2:** Plant height(cm)- 96.3 No of fruit per plant- 90.6 Average fruit weight (g)- 56.1 Total yield (t/ha)-63.5 Gross cost (Rs/ha)- 120000 Gross Return (Rs./ha)- 508000 B:C Ratio- 4.2 **T3:** Plant height(cm)- 106.33 No of fruit per plant- 92.5 Average fruit weight (g)- 55.7 Total yield (t/ha)-70.5 Gross cost (Rs/ha)- 122,200 Gross Return (Rs./ha)- 564000 B:C Ratio- 4.6			
10	Standardization of fertilizer dose in Dragon fruit.	Lack of package of practices	**T1:** 53:68:30 g Urea: SSP : MOP Per plant in the first year followed by 113: 113: 225 g Urea : SSP : MOP per plant in the second year **T2:** 90: 90:40 g Urea: SSP : MOP Per plant in the first year	Dragon fruit	At KVK Farm	ongoing			

			followed by150:150: 300 g Urea : SSP : MOP per plant in the second year **T3:** 88: 113:50 g Urea: SSP : MOP Per plant in the first year followed by 188: 188: 375 g Urea : SSP : MOP per plant in the second year Time of application: **1st year:** 3rd month and 6th month after planting in two equal splits. **2nd year:** April, July-August, December in 3 equal splits. Observation: 1. Growth Parameters 2. Yield 3. Pest disease incidence. 4. B: C Ratio							
Animal Science									
11	Productive performance of HD-K 75 pig under local condition of Chirang	Low productivity of indigenous pig	**T1:** HD-K 75 breed of big under intensive management. **T2:** Farmers practice: indigenous breed	Pig	3	Results:			
						Parameters	HD-K 75 Pig	Indigenous Pig	
						Age at puberty	170 days	210days	
						Avg. weight at 5th month of age	38 kgs	25kgs	
						Avg. litter size at birth	Gilts are on Gestation. Not yet farrowed		
						Avg litter weight of piglets at birth	Results yet to come		

<table>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="3">Farmers found the breed suitable
Can be recommended for further rearing
Ongoing</td></tr>
<tr><td>12</td><td>Evaluation of performance of strategic feed supplementation to crossbred milch cattle</td><td>Poor feeding practices and the low availability of quality feeds.</td><td>T1: Farmers practice+ Commercial protein rich feed supplementation @ 0.5kg/cow/day in laction

T2: Farmers practice</td><td>Dairy</td><td>3</td><td colspan="3">Results</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>Parameters</td><td>Daothigir Chicken</td><td>Local chicken</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>Mortality rate during brooding</td><td>Nil</td><td>5-10% under natural brooding</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>Age at first lay</td><td>155 days</td><td>160 days</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>Avg weight of egg at one month of lay</td><td>42g</td><td>37g</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>Avg body weight at first lay</td><td>1.63kg</td><td>1.40kg</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="3">Farmes prefer the breed both for meat production
These birds are reared by bodo tribes in Assam under backyard or free-range rearing system. The birds are needed to popularize as they are registrant to most of the poultry diseases and mortality rate during brooding is nil.
Ongoing</td></tr>
</table>

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 practic***

3.2 Achievements of Frontline Demonstrations during 2020-21

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

List of technologies demonstrated during previous year and popularized during 2019-20 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			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	1	6	2 ha
3	Buckwheat	Integrated crop management of buckwheat under PKVY	1	20	10ha
4	Toria	Integrated crop management of toria under TSP	3	92	20 ha

5	Water melon	Cultivation of water melon in sand and silt deposited areas of Aie river valley	8	25	7ha
6	Lentil	Technology demonstration under Cluster FLD lentil, Var: Maitree	5	115	50 ha
7	Vermicompost	Production of vermicompost in low cost vermicompost unit	6	25	25 units
8	Toria	Cluster demonstration of toria	20	92	500 ha
9	Pea	Cluster demonstration of pea under cluster FLD	5	50	10 ha
10	Sali paddy	Technology demonstration under technology showcasing of Sali paddy	25	272	72 ha
11	Blackgram	Cluster demonstration of blackgram under cluster FLD	4	72	20 ha
12	Sesamum	Techno*l*ogy demonstrated under CFLD	3	48	30 ha
13	Mustard	Integrated crop management of mustard, Var: NRCHB-101	10	62	26 ha
14	Livestock	Performance of improved poultry birds,ducks,pigs under backyard condition under TSP	7	1000	3000 Nos.
15	Honeybee	Scientific bee keeping	4	15	15 units
16	jute	Integrated crop management of Jute var: Tarun	1	7	2 ha
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**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ ST	Others	Total					
Agronomy														
1	Rice	Varietal performance	Demonstration of submergence tolerant rice variety Ranjit Sub-1 under flood prone condition	Kharif, 2020	5.0	5.0	7	5	12	NA	Rainfed, medium land	385	26.58	138.5
2	Rice	Seed production	Certified seed of submergence tolerant rice variety Ranjit Sub-1	Kharif, 2020	2.0	2.0	2	4	6	NA	Rainfed, medium land	380	26.50	134.5
3	Toria	Seed production	Certified seed production of toria variety TS-46 through PPP mode.	Rabi, 2020	2.0	2.0	-	6	6	NA	Rainfed, medium land	372	25.42	135
4	Niger	ICM	Integrated crop management of niger in rice-niger sequence	Rabi, 2020	2.0	2.0	2	-	2	NA	Rainfed, Upland	350	21.20	140.5
5	Buckwheat	ICM	Integrated crop management of buckwheat in rice-buckwheat sequence	Rabi, 2019	2.0	2.0	6	1	7	NA	Rainfed, upland	421	22.03	148

Plant Protection														
6	Rice	Biological management	Monitoring and management of rice yellow stem borer through pheromone trap in rice-toria sequence	Kharif, 2019	1.0	3.0	2	10	12	NA	Rainfed	426	20.09	121
7	Banana	Biological management	Use of non-woven poly propylene 17 GSM bunch bag for controlling fruit scarring beetle in Banana	Kharif, Rabi 2020	1.0	1.0	1	2	3	NA	Rainfed	426	20.09	121
Soil Science														
8	Cabbage	Organic cultivation	Cultivation of cabbage by using organic sources of nutrient.	Rabi 2020-21	0.6	0.33	3	2	5	NA	Rainfed	385	25.09	144
9	Toria	Nutrient management	Integrated Nutrient management in Toria in rice toria sequence	Rabi 2020-21	2.0	2.0	3	2	5	NA	Rainfed	352	24.09	148
10	Blackgram	Organic cultivation	Performance of biofertilizer in kharif blackgram	Rabi 2020-21	2.0	2.0	2	3	5	NA	Rainfed	426	20.09	121
Horticulture														
11	Pumpkin	Varietal evaluation	Popularization of pumpkin *var.* Arjuna in farmers field	Rabi 2020-21	0.065	0.065	4	2	6	NA	Rainfed	220	15.67	138
12	Water melon	ICM	Cultivation of watermelon in sand and silt deposited areas, Variety: Sugar baby	Rabi 2020-21	0.26	0.26	0	8	8	NA	Rain fed	287.5	25.58	133
13	Broccoli	ICM	Scientific cultivation of broccoli in farmers field.	Rabi 2020-21	0.13	0.13	2	3	5	NA	Rain fed	298	23.00	141

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
Agronomy																		
1	Rice	Varietal performance	5.0	55.7	41.8	33.25%	57.5	52.2	Pl ht-94.6 cm Eff. Tiller/ hill-18	Pl ht-110.4 cm Eff. Tiller/ hill-13	29500	69625	40125	2.36	28000	52250	24250	1.87
2	Rice	Seed production	2.0															

3	Toria	Seed production	2.0	8.4	6.8	23.53%	8.8	7.5	Pl ht-55 cm Branch/pl-6 Siliqua/pl-105 Seed/siliqua-10	Pl ht-64 cm Branch/pl-3 Siliqua/pl-79 Seed/siliqua-10	18500	46200	27700	2.50	17500	37400	19900	2.14
4	Niger	ICM	2.0	6.6	5.2	26.92%	7.1	4.8	pl ht- 52 cm, Branch/pl-3	pl ht- 57 cm, Branch/pl-3	15500	33000	17500	2.13	14500	26000	11500	1.79
6	Buckwheat	ICM	2.0	10.8	8.0	35%	12.2	8.1	plant ht- 42 cm, branch/ pl-5	plant ht- 46 cm, branch/ pl-3	18500	54000	35500	2.92	17500	40000	22500	2.29
Plant Protection																		
7	Rice	Biological Management	1.0	56.0	45.0	24%	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 (%):3.2 % White ear head incidence (%):5.0%	Dead heart incidence (%):5.6 % White ear head incidence (%):6.2%	30000	70000	40000	2.3	29000	56250	27250	1.93
8	Banana	Biological Management	1.0	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
Soil Science																		
9	Cabbage	Organic cultivation	0.6	320.0	350.0	-9%	290.0	360.0	-	-	51500	224000	172500	4.34	49000	175000	126000	3.57

10	Toria	Nutrient management	2.0	9.5	8.0	18%	9.8	7.5	Plnt ht- 74 cm Branch/plnt-6 Siliqua/pl– 101 Seed/siliqua10	Plnt ht- 71 cm Branch/pln-5 Siliqua/pl-98 Seed/siliqua-10	25500	57000	31500	3.23	24000	48000	24000	2.0
11	Blackgram	Organic cultivation	2.0	8.3	7.2	15%	9.0	6.5	Branch/plnt-6 Pod/pl-78 Seed/Pod-10	Branch/plnt-5 Pod/pl-62 Seed/Pod-9	25500	58100	32600	2.27	225000	50400	25400	2.01
Horticulture																		
12	Pumpkin	Varietal evaluation	0.065	148.5	111.5	33%	198.0	98.0	Fr/p=5-6 no Fr/wt=3.2kg	Fr/p=5-8 no Fr/wt=1.8 kg	52500	222750	170250	4.2	45000	167250	122250	3.7
13	Water melon	ICM	0.26	272.3	216.0	26%	300.5	195.5	Fr/p=6 Fr/wt=2.3kg	Fr/p=4 Fr/wt=2.1kg	105000	408450	303450	3.9	100000	324000	224000	3.2
	Broccoli	ICM	0.13	189.4	157.6	20%	205 2	149.5	Avg. head wt-512.3g Plant ht.-50.6 cm Head diameter-15.3 cm	Avg. head wt-426.6g Plant ht.-45.8 cm Head diameter-13.1cm	88500	378880	290380	4.3	87800	315200	227400	3.6

***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 activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	5	14.12.20, 14.12.20, 14.11.20, 11.01.21, 04.02.21	22	102	124	
2	Farmers Training	4	12.06.20, 14.11.20, 10.01.21, 05.02.21	29	57	86	
3	Media coverage (Cluster FLD on pulse and lentil)	-	-	-	-	-	-
4	Training for extension functionaries	-	-	-	-	-	-
5	Any other (Pl. specify)						
	Total	9		51	159	210	

e. Details of FLD on Enterprises

(i) Farm Implements: **NIL**

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

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)		Remarks		
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Chicken	Breed introduction	Backyard farming with improved poultry breed Kamrupa	3	3	200	**Body weight at** 0 days : 35 g, at 15 days: 170 g, at 30 days: 480 g, at 60 days :650 g, at 90 days: 900 g													
2	Duck	Breed introduction	Khaki Campbell duck rearing for income generation	3	3	100	**Body weight at** 1 month : 230 g, At 2 month : 450 , At 3 month : 720 g													
3	Dairy (Fodder production)	Fodder production	Maize cultivation for round the year fodder production	3	3	2ha	In progress													
4	Goat	Breed improvement	Rearing of crossbred goat for livelihood security	3	3	6	Av. Growth performance of crossbred goat at 2, 3,6 and 9 months of age were 3.67kg, 4.89kg, 11.75kg and 14.5kg as compare to indigenous goat which were 2.5kg, 3.7kg, 7.7kg and 10.5kg respectively. Av. Age at puberty : 285days													

**** 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

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	

*** 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

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Vermicompost	Organic input	Production of vermicompst in low cost vermicompost unit	10	10	9.5 q/tank/year	NA		-	-	3000	9500	6500	3.1	-	-	-	-	
3	Oyster Mushroom	Mushroom cultivation	Mushroom cultivation for economic upliftment	20	20	3.0kg/bag	2.0 kg /bag	50 %	-	-	120	425	305	3.54	95	210	115	2.2	
4	Oyster Mushroom	Mushroom cultivation	Mushroom cultivation for economic upliftment	20	20	2.95 kg/bag	1.95 kg/bag	51 %	-	-	110	405	295	3.68	90	190	100	2.1	

5	Eri Worm	Biological control	Production of Eri worm against insect through mosquito net for better quality and higher production of eri worm production	50	50	89.12 g/100 larvae	69.12 g /100 larvae	29%	**Larval duration-30 days Infestation-5%**	**Larval duration-32 days30 days Infestation-18%**	11000	80000	69000	7.3	10000	48000	38000	4.8	

***** 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

Sl. No.	**Name of implement**	**Crop**	**Name of Technology demonstrated**	**No. of farmers**	**Area (In ha.)**	**Field observation (Output/ man-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:

Sl. No.	**Crop**	**Name of hybrids**	**Area (ha.)**	**No. of farmers**	**Avg. yield (Q/ha.)**		**% increase in Avg. yield**	**Additional data on demo. yield (Q/ha.)**		**Econ. of demo. (Rs./Ha.)**				**Econ. of check (Rs./Ha.)**			
					Demo.	**Check**		**H***	**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.

g. Performance of cluster demonstration on Oilseed and Pulses crops

Sl. No.	Crop	Variety	Number of farmers	Area (ha)	Number of cluster	Avg.Yield q/ha	Gross cost	Gross Return	Net Return	B:C Ratio
Oilseed										
1	Toria	TS-46	138	90.0	12 cluster	12.0	24000	45000	21000	1.88
2	Sesamum	ST-1683	48	30.0	12 cluster	7.95	19350	47400	28050	2.23
Pulse										
5	Blackgram	IPU-02-43	32	10.0	3 cluster	7.6	21500	45600	24100	2.1
6	Lentil	Pl-9	34	10.0	3 cluster	7.4	22500	48100	25600	2.25
	Field pea	Prakash	76	20.0	3 cluster	22.6	25500	56500	31000	2.2

h. Performance of NEH Component (under ICAR):

Sl. No.	Crop	Variety	Number of farmers	Area (ha)	Avg.Yield/ha	Gross cost	Gross Return	Net Return	B:C Ratio
1	Rice	Swarna Sub-1	99	50.0	40.3	29500	50375	20875	1.71
2	Lentil	WBL-77	34	10	7.6	22500	49400	26900	2.19
3	Blackgram	PU-31	10	5.0	8.2	21500	49200	27700	2.3
4	Maize	Maharaja-9637	29	12.0	42.5	32000	63750	31750	2.0
5	Potato	Kufri Jyoti	29	12.0	95.0	93500	190000	96500	2.03
6	Bottle gourd	Srilong	341	2.0	145.0	36800	145000	108200	3.9
7	Broccoli	NSC-105B	56	1.5	143.2	83600	286400	202800	3.4
8	Pea	AP-3	100	10.0	18.2	22000	54600	32600	2.5
9	Chilli	Kashi Anmol	52	1.0	79.6	76500	238800	162300	3.1
10	Tomato	Round	54	1.0	262.8	91200	28620	195120	3.1
11	Brinjal	PH-5	51	2.0	212.5	83000	255000	172000	3.1
12	French bean	Arka Komal	295	2.0	108.6	65000	217200	152200	3.3

i. Demonstration of crops under NARI:

Sl. No.	Crop	Variety	Number of farmers	Area (ha)	Avg.Yield/ha	Gross cost	Gross Return	Net Return	B:C Ratio
1	Vegetables	Different varieties	3	0.06 (0.02 m2 /unit)	2.2 q/unit	1942	6600	4658	3.4
2	Buckwheat	GC-1	4	3.0	8.12	13680	28735	15055	2.10
3	Broccoli	Green star	3	0.13	167.6	88500	335200	246700	3.79

j. Technology Showcasing

Crop / Enterprise	Technology demonstrated	Area (ha)	Nos. of beneficiaries	Avg. yield (Q/ha.)		BC Ratio (Demos)
				Demo.	Check	
Sali Rice	Ranjit Sub-1	18	49	44.3	42.0	2.25

k. KSHAMTA:

Sl. No.	Component	No. of units	Number of farmers	Location
1	Vermicompost	5	5	Mwkhwnaguri, Rowmari
2	Piggery	1	3	Mwkhwnaguri
3	Mushroom	4	17	Mwkhwnaguri

l. Bamboo Nursery under State Bamboo Mission:

Sl. No.	Species	Number of seedling grown	Production	Remark
1	*Bambusa balcooa*	800	1800	Seedlings were initially planted in July, 2020
2	*Bambusa tulda*	1000	2100	
3	*Bambusa nutant*	200	500	

3.3. Achievements on Training

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

Thematic area	No. of Courses/ prog			Participants																		
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On-Campus (1)	Sponsored On* (1)	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)	Grand Total (x + y)

		2)																				
I. Crop Production																						
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 Crops																						
Production of low volume and high																						

value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old																						

orchards																					
Export potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques																					
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					

Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient																						

Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal																						

products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income																						

generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						

Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	1	0	1	0	0	20	0	20	0	0	0	0	0	0	0	0	0	20	0	20	0	20
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding 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 Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer																						

production																							
Vermi-compost production																							
Organic manures production																							
Production of fry and fingerlings																							
Production of Bee-colonies and wax sheets																							
Small tools and implements																							
Production of livestock feed and fodder																							
Production of Fish feed																							
X Capacity Building and Group Dynamics																							
Leadership development																							
Group dynamics	1	0	1	0	0	20	0	20	0	0	**0**	0	0	0	0	0	0	20	0	20	0	20	
Formation and Management of SHGs																							
Mobilization of social																							

capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	1	0	1	0	0	20	0	20	0	0	**0**	0	0	0	0	0	0	20	0	20	0	20

3.3.2. Achievements on Training of <u>Farmers and Farm Women</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)

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management	1	0	1	14	0	7	0	21	0	0	0	0	0	0	0	14	0	7	0	21	0	21
Resource Conservation Technologies																						

Cropping Systems	1	0	1	12	0	8	0	20	0	0	0	0	0	0	0	12	0	8	0	20	0	20
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management	4	0	4	20	0	6	0	26	0	56	0	7	0	63	0	76	0	13	0	89	0	89
Fodder production																						
Contingency planning																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	4	0	4	30	0	31	0	61	0	13	0	9	0	22	0	33	0	40	0	83	0	83
Off-season vegetables																						
Nursery raising																						

Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)	1	0	1	4	0	18	0	22	0	0	0	0	0	0	0	4	0	18	0	22	0	22
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit	2	0	2	17	0	3	0	20	0	21	0	0	0	21	0	38	0	3	0	41	0	41
Management of young plants/orchards	2	0	2	26	0	14	0	40	0	0	0	0	0	0	0	26	0	14	0	40	0	40
Rejuvenation of old orchards																						
Export potential fruits																						

Micro irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology	1	0	1	0	0	0	0	0	0	21	0	0	0	21	0	21	0	0	0	21	0	21
Processing and value addition																						
e) Tuber crops																						
Production and Management																						

technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management	1	0	1	20	0	1	0	21	0	0	0	0	0	0	0	20	0	1	0	21	0	21
Soil and Water Conservation	1	0	1	1	0	19	0	20	0	0	0	0	0	0	0	1	0	19	0	20	0	21
Integrated Nutrient Management	1	0	1	17	0	3	0	20	0	0	0	1	0	1	0	17	0	4	0	21	0	21

Production and use of organic inputs	1	0	1	5	0	16	0	21	0	0	0	0	0	0	0	5	0	16	0	21	0	21
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing	1	0	1	25	0	0	0	25	0	0	0	0	0	0	0	25	0	0	0	25	0	25
IV Livestock Production and Management																						
Dairy Management	3	0	3	0	0	5	0	5	0	37	0	23	0	60	0	43	0	22	0	65	0	65
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management	2	0	2	3	0	4	0	7	0	6	0	35	0	41	0	9	0	39	0	48	0	48
IFS																						
Production of quality animal products																						

V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation																						

activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						

Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	1	0	1	20	0	0	0	20	0	0	0	0	0	0	0	20	0	0	0	20	0	20
Integrated Disease Management	1	0	1	0	0	20	0	20	0	0	0	0	0	0	0	0	0	20	0	20	0	20
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding 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 Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						

Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics	1	0	1	0	0	21	0	21	0	0	**0**	0	0	0	0	0	0	21	0	21	0	21
Formation and Management of SHGs																						

Mushroom cultivation																						
Entrepreneurial development of farmers/Marketing management	2	0	2	0	0	0	0	0	0	43	**0**	0	0	43	0	43	0	0	0	43	0	43
WTO and IPR issues																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
Crop insurance	1	0	1	0	0	0	0	0	0	11	**0**	9	0	20	0	11	0	9	0	20	0	20
TOTAL	**32**	**0**	**32**	**214**	**0**	**176**	**0**	**390**	**0**	**208**	**0**	**84**	**0**	**292**	**0**	**418**	**0**	**254**	**0**	**683**	**0**	**683**

(B) RURAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes
(*Sp. On means On Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ Programme			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	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)	
Integrated crop management																						

Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
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 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	1	0	1	5	0	0	0	5	0	1	0	4	0	5	0	6	0	4	0	10	0	10
Rabbit farming																							
Poultry production																							
Ornamental fisheries																							
Para vets																							
Para extension workers																							
Composite																							

fish culture																							
Freshwater prawn culture																							
Shrimp farming																							
Pearl culture																							
Cold water fisheries																							
Fish harvest and processing technology																							
Fry and fingerling rearing																							
Small scale processing																							
Post Harvest Technology																							
Tailoring and Stitching																							
Rural Crafts																							
TOTAL	1	0	1	5	0	0	0	5	0	1	0	4	0	5	0	6	0	4	0	10	0	10	

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)

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	

Crop diversification	1	0	1	1	0	0	0	1	0	19	0	0	0	19	0	20	0	0	0	20	0	20
Oyster Mushroom Production	2	0	2	1	0	0	0	1	0	19	**0**	29	0	48	0	1	0	48	0	49	0	49
Formation of groups																						
Bee-keeping																						
Pest Management																						
Pest and disease management																						
Integrated farming																						
Integrated crop management	3	0	3	32	0	0	0	32	0	10	0	0	0	10	0	42	0	0	0	42	0	42
Seed production																						
Soil fertility management	1	0	1	10	0	0	0	0	0	10	0	0	0	10	-	20	0	0	0	20	0	20
Production of organic inputs	1		1	20	0	0	0	20	0	0	0	0	0	0	0	20	0	0	0	20	0	20
Integrated Farming	1	0	1	12	0	7	0	19	0	1	0	1	0	2	0	13	0	8	0	21	0	21
Planting material production																						
Vermi-culture																						
Soil and Water Testing	1	0	1	0	0	2	0	2	0	17	0	3	0	20	0	17	0	5	0	22	0	22
Sericulture																						
Protected																						

cultivation of vegetable crops																						
Commercial fruit production	1	0	1	17	0	5	0	22	0	0	0	0	0	0	0	17	0	5	0	22	0	22
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production	1	0	1	0	0	0	0	0	0	0	0	20	0	20	0	0	0	20	0	20	0	20
Ornamental fisheries																						

Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL	**12**	**0**	**12**	**93**	**0**	**14**	**0**	**97**	**0**	**76**	**0**	**53**	**0**	**192**	**0**	**150**	**0**	**86**	**0**	**236**	**0**	**236**

C. Extension Personnel

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)

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Spo	Total (1+2)	On	Sp.	On	Sp.	On	Sp.	On	Sp.	On	Sp.	On	Sp.	On	Sp.	On	Sp.	On	Sp.	

		n * (2)		(4)	On (5)	(6)	On (7)	(a= 4+6)	On (b= 5+7)	(8)	On (9)	(10)	On (11)	(c= 8+10)	On (d= 9+11)	(4+8)	On (5+9)	(6+10)	On (7+11)	(x= a +c)	On (y= b +d)	
Productivity enhancement in field crops																						
Horticulture based Cropping system																						
Seed Production																						
Integrated Pest Management																						
Rain Water harvesting																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among																						

farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Marketing management	1	0	1	0	0	16	0	16	0	0	**0**	6	0	6	0	0	0	22	0	22	0	22
Total	1	0	1	0	0	16	0	16	0	0	**0**	6	0	6	0	0	0	22	0	22	0	22

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)

Thematic area	No. of Courses/ prog.			Participants																			Grand Total
	Off	Sp Off*	Total	General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*		
Productivity enhancement in field crops																							
Integrated Pest Management																							
Seed production																							
Integrated Nutrient management																							
Rejuvenation of old orchards																							
Protected cultivation technology																							
Formation and Management of SHGs																							
Group Dynamics and farmers organization																							
Information																							

networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Crop	1	0	1	0	0	20	0	20	0	0	**0**	0	0	0	0	0	0	20	0	20	0	20

Insurance																							
TOTAL	**1**	**0**	**1**	**0**	**0**	**20**	**0**	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**20**	**0**	**20**

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 training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Farmer & Farm women															
Plant Protection	IPM	Recent advance in pest and disease management in agriculture	28.09.2020	1	KVK, Chirang	Farmer & Farm women	0	20	20	0	0	0	0	20	20
Agricultural Economics	SHG management	Formation and management of SHG	15.02.2021, 17.02.2021	2	KVK, Chirang	Farmer & Farm women	0	20	20	0	0	0	0	20	20
TOTAL								**40**	**40**	**0**	**0**	**0**	**0**	**40**	**40**
Rural Youth															
Animal Science	Livestock farming	Entrepreneurship development through pig farming	25.01.2021, 27.01.2021, 28.01.2021, 29.01.2021	4	KVK Chirang	Rural youth	5	0	5	1	4	5	6	4	10
TOTAL							**5**	**0**	**5**	**1**	**4**	**5**	**6**	**4**	**10**
EF and NGO Personnel															
Agri economics	Market management	Market led extension and information networking among farmers	31.12.2020	1	KVK, Chirang	EF/NGO	0	16	16	0	6	6	0	22	22
TOTAL							**0**	**16**	**16**	**0**	**6**	**6**	**0**	**22**	**22**

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 – To)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Farmer and Farm Women															
Agronomy	Integrated crop management	Improved production technology of kharif pulse crop.	25.08.2020	1	Dimajuli	Farmer & Farm women	0	0	0	18	2	20	18	2	20
Agronomy	Integrated crop management	Contingency crop plan for flood affected areas	23.09.2020	1	Tengamari	Farmer & Farm women	0	0	0	20	0	20	20	0	20
Agronomy	Cropping system	Cropping practices for marginal and dry land situation	02.06.2020	1	Khamarpara	Farmer & Farm women	14	7	21	0	0	0	14	7	20
Agronomy	Integrated crop management	Improved production technology of Rabi pulse crop.	18.12.2020	1	Bamungaon	Farmer & Farm women	20	6	26	0	0	0	20	6	26
Agronomy	Integrated crop management	Improved production technology of Rabi oilseed crop.	13.11.2020	1	West Larugaon	Farmer & Farm women	0	0	0	18	5	23	18	5	23
Horticulture	Crop production	Scientific cultivation of coconut, arecanut and their management practices	19.11.2020, 21.11.2020	2	Onthaiari	Farmer & Farm women	8	0	8	13	0	13	21	0	21
Horticulture	Crop production	Scientific management of multistoried cropping and bari development	26.08.2020 – 27.08.2020	2	Basugaon	Farmer & Farm women	12	8	20	0	0	0	12	8	20
Horticulture	Crop production	Scientific cultivation of major vegetable crops of Assam	31.08.2020	1	Basugaon	Farmer & Farm women	0	0	0	12	8	20	12	8	20
Horticulture	Crop production	Scientific cultivation of major fruit crops	28.08.2020	1	West Bamungaon	Farmer & Farm women	17	3	20	0	0	0	17	3	20
Horticulture	Crop production	Winter vegetable cultivation in scientific way	24.12.2020	1	Duturi	Farmer & Farm women	15	8	23	0	0	0	23	0	23
Horticulture	Crop production	Improved production techniques of tapioca and colocasia	05.01.2021	1	Allengmari	Farmer & Farm women	13	5	18	2	0	2	15	5	20
Horticulture	Crop production	Scientific management of citrus plantation	22.01.2021	1	Bisnupur	Farmer & Farm women	8	0	8	8	4	12	16	4	20
Horticulture	Protected cultivation	Plastic culture application in horticultural crops	10.02.2021 - 11.02.2021	2	Basugaon	Farmer & Farm women	4	18	22	0	0	0	4	18	22

Horticulture	Crop production	Scientific management of Banana and Assam lemon	14.12.2020, 16.12.2020	2	Deolguri	Farmer & Farm women	0	0	0	10	10	20	10	10	20
Horticulture	Crop production	Scientific management of ginger and turmeric	03.02.2021	1	Mangalagaon	Farmer & Farm women	2	18	20	0	0	0	2	18	20
Plant Protection	IPM	Biological control of rice insect, pest, and diseases	13.08.2020, 22.09.2020	2	Bamungaon	Farmer & Farm women	20	0	20	0	0	0	20	0	20
Plant Protection	IDM	Integrated pest management in kharif rice	14.10.2020, 16.10.2020	2	Bijni	Farmer & Farm women	0	20	20	0	0	0	0	20	20
Soil Science	Organic farming	Role of biofertilizer and its application in different field and horticultural crops	14.07.2020, 15.07.2020	2	Tengabari	Farmer & Farm women	20	1	21	0	0	0	21	0	21
Soil Science	Soil testing	Soil testing and its importance in crop production	24.09.2020, 13.10.2020	2	Basugaon	Farmer & Farm women	25	0	25	0	0	0	25	0	25
Soil Science	Soil and water conservation	Soil and water conservation in dry land farming	21.09.2020, 22.09.2020	2	Goglapara	Farmer & Farm women	1	19	20	0	0	0	20	0	20
Soil Science	INM	Nutrient management in fruit and vegetable	10.10.2020	1	Basugaon	Farmer & Farm women	17	3	20	0	1	1	17	4	21
Soil Science	Organic farming	Production of organic input in organic farming	19.12.2020, 24.12.2020	2	Batabari	Farmer & Farm women	5	16	21	0	0	0	21	0	21
Animal Science	Disease management	Bio security measure in farm **premises**	29.12.2020-30.12.2020	2	Dipu	Farmer & Farm women	3	4	7	6	8	14	9	12	21
Animal Science	Disease management	Parasitic infestation and their management in livestock	12.10.2020-13.10.2020	2	Khamarguri	Farmer & Farm women	0	0	0	0	27	27	0	27	27
Animal Science	Dairy management	Feeding management of Dairy animals	19.12.2020, 28.12.2020	2	Amlaipara, Tukrajhar	Farmer & Farm women	0	0	0	15	6	21	21	0	21
Animal Science	Livestock management	Scientific management of sheep and goat	08.01.2021, 09.01.2021	2	Subaijhar	Farmer & Farm women	0	5	5	3	14	17	3	19	22
Animal Science	Livestock management	Scientific dairy farming and fodder production	09.02.2021	1	Sarfannguri	Farmer & Farm women	0	0	0	19	3	22	19	3	22
Agricultural Economics	Marketing	Marketing of Agriculture produce	21.08.20, 22.08.20	2	Mwkhwanaguri	Farmer & Farm women	0	0	0	20	0	20	20	0	20
Agricultural Economics	Marketing	Marketing of Agriculture produce	28.08.20, 31.08.20	2	Lawripara	Farmer & Farm women	0	0	0	23	0	23	23	0	23
Agricultural Economics	SHG management	Formation and management of SHG	06.10.2020, 08.10.2020	2	Basugaon	Farmer & Farm women	0	21	21	0	0	0	0	21	21
Agricultural Economics	Crop insurance	Importance of crop insurance to farmer	04.02.2021	1	Boripara	Farmer & Farm women	0	0	0	11	9	20	11	9	20
Total							**266**	**132**	**398**	**219**	**92**	**301**	**505**	**204**	**709**

Rural Youth															
Agronomy	Resource Conservation Technologies	Resource conservation and sustainable cropping practices	14.10.2020	1	Panbari	RY	1	0	1	19	0	19	20	0	20
Agronomy	Integrated crop management	Potato cultivation technique through TPS	11.02.2021	1	Batabari	RY	0	0	0	0	21	21	0	21	21
Agronomy	Irrigation management	Increasing irrigation efficiency of rabi crops	12.02.2021	1	Pub Khamarpara	RY	22	0	22	0	0	0	22	0	22
Agronomy	Integrated crop management	Livelihood generation through integrated farming	24.02.2021	1	kashikotra	RY	10	0	10	10	0	10	20	0	20
Horticulture	Crop production	Scientific management of coconut and arecanut	05.02.2021	1	Nepalpara	RY	17	5	22	0	0	0	17	5	22
Soil Science	Soil testing	Soil testing and ts importance in crop production	07.01.2021	1	Oxiguri	RY	0	2	2	17	3	20	17	5	22
Soil Science	Soil and water conservation	Soil and water conservation practices in dry land farming	05.10.2020	1	Kashikotra	RY	10	0	10	10	0	10	20	0	20
Soil Science	Organic farming	Production of organic inputs for organic farming	09.02.2021, 10.02.2021	2	Bamungaon	RY	20	0	20	0	0	0	20	0	20
Soil Science	INM	Nutrient management in fruits and vegetables	01.02.2021, 02.02.2021	2	Debargaon	RY	12	7	19	1	1	2	13	8	21
Animal Science	Animal Science	Small Scale broiler production	18.02.2021	1	Laoripara	RY	0	0	0	0	20	20	0	20	20
Agricultural Economics	Group dynamics	Formation and management of SHG	06.10.2020, 08.10.2020	2	Basugaon	RY	0	21	21	0	1	1	0	22	22
Agricultural Economics	Mushroom	Milky mushroom cultivation	15.10.2020, 19.10.2020	2	Khamarguri	RY	0	0	0	0	29	29	0	29	29
Agricultural Economics	Mushroom	Oyster mushroom cultivation	10.11.2020, 12.11.2020	2	Bhetagaon	RY	1	0	1	19	0	19	20	0	20
TOTAL							**93**	**35**	**128**	**76**	**75**	**151**	**169**	**110**	**279**
EP and NGO Personnel															
Agri economics	Crop insurance	Importance of crop insurance to farmers	05.12.2020	1	KVK, Chirang	EF/NGO	0	20	20	0	0	0	0	20	20
TOTAL							**0**	**20**	**20**	**0**	**0**	**0**	**0**	**20**	**20**

(D) Vocational training programmes for Rural Youth :

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Mushroom	09.02.2021 to 13.02.2021	5 days	Mushroom cultivation	Mushroom cultivation for economic upliftment	0	2	2	2	16	18	2	18	20	Small mushroom unit	10	20	5000	NA
Pig	24.02.2021, 25.02.2021, 26.02.2021, 01.03.2021, 02.03.2021	5 days	Pig rearing	Entrepreneurship development of tribal rural youth through scientific pig rearing	0	0	0	19	3	22	19	3	22	Backyard pig rearing	5	5	30000	NA
TOTAL					**0**	**2**	**2**	**21**	**19**	**40**	**21**	**21**	**44**					

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On	F/RY/FW	15th to 19th February,2021	5 days	Fishery Science	Fishery Development	Composite Fish Culture	0	0	0	32	9	41	32	9	41	Fishery Mission Society-Chief Minister's Samagra Gramya Unnayan Yojana	Rs. 322542/-
On	F/RY/FW	18th March, 2021	1 day	Engineering	Petroleum conservation	Workshop on petroleum product conservation in agricultural sector	15	0	15	14	6	20	29	6	35	Petroliu m Conservation Research Association	8544
Total							**15**	**0**	**15**	**46**	**15**	**61**	**61**	**15**	**76**		

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 2020-21

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1	Diagnostic visit	Nursery management, Stem borer in rice, Parasitic disease in animals, Infertility in dairy cows, Phosphorous deficiency in maize, Nutrient deficiency in banana and tomato, immature fruit drop in coconut, mealy bug in papaya, YMV disease in Blackgram, FMD in cattle, piggery Aphid attack in toria, Aphid infestation in sesamum , collar rot disease in sesamum, Stem borer infestation in rice etc.	02.01.20,04.01.20,09.01.20,11.01.20,14.01.20,20.01.20,21.01.20,29.01.20, 30.01.20,01.02.20,03.01.20,05.02.20,06.02.2,08.02.20,11.02.20,13.02.20,14.02.20,17.02.20,18.02.20, 20.02.20,24.02.20,27.02.20,28.02.20,04.03.20,07.03.20,11.03.20,13.03.20,14.03.20,18.03.20,18.05.20,20.05.20,28.05.20, 30.05.20,08.06.20,12.06.20,18.06.20,23.06.20,30.06.20,06.07.20,14.07.20,20.07.20,23.07.20,05.08.20,12.08.20,25.08.20, 26.08.20,27.08.20,28.08.20,31.08.20,01.09.20,05.09.20,14.09.20,21.09.20,23.09.20,24.09.20,25.09.20,28.09.20,29.09.20, 30.09.20,01.10.20,05.10.20,08.10.20,12.10.20,13.10.20,15.10.20,16.10.20,20.10.20,21.10.20,29.10.20,30.10.20,31.10.20, 02.11.20,09.11.20,10.11.20,12.11.20,23.11.20,26.11.20,27.1	72	104	81	185	78	67	145	5	1	6	187	149	336

			1.20,28.11.20,01.12.20,07.12.20,09.12.20,11.12.20,16.12.20,17.12.20,19.12.20,21.12.20,26.12.20,29.12.20,31.12.20,04.01.21,08.01.21,11.01.21,18.01.21,19.01.21,28.01.21,30.01.21,01.02.21,04.02.21,08.02.21,09.02.2,11.02.21,12.02.21,13.02.21,15.02.21,17.02.21,18.02.21,20.02.21,22.02.21,24.02.21,02.03.21,03.03.21													
2	Advisory services / telephone talk	On different crop and other related enterprises	-	180	70	20	90	75	50	125	5	1	6	150	71	221
3	Training Manual	Training Manual on Scientific pig farming		1	0	0	0	0	0	0	0	0	0	0	0	0
4	Celebration of important days	Webcasting of Prime Ministers address to farmers, Celebration of Agricultural Education day, World Soil Day, Kisan Divas,	25.12.2020,03.12.2020,05.12.2019,2312.2020,10.12.2020,08.03.2021, 22.03.2021	7	94	38	132	110	46	156	5	2	7	209	86	295
4	Exhibition			0	0	0	0	0	0	0	0	0	0	0	0	0
5	Exposure visits	IIHR National Horticulture fair	10.02.2021	1	7	19	26	10	14	24	2	0	2	19	33	52
6	Extension literature (Leaflet/folders/pamphlet)			8	0	0	0	0	0	0	0	0	0	0	0	0
7	News Letter	KVK, News letter, KVK Chirang		1	0	0	0	0	0	0	0	0	0	0	0	0
8	News paper coverage			4												

9	Research publication	*Socio Economic status of growers and constraints in banana cultivation in western district of Assam * Effect of fertigation and plastic mulching on growth and yield of cabbage under drip irrigation		2	0	0	0	0	0	0	0	0	0	0	0	0
10	Success stories/Case studies															
11	Farm science club`s conveners meet			0	0	0	0	0	0	0	0	0	0	0	0	0
12	Farmers seminar/ workshop	Convergence meeting on agriculture and allied sectors	18.03.2021	1	9	6	15	8	5	13	5	2	7	22	13	35
13	Farmers visit to KVK			970	222	128	350	400	220	620	5	2	7	627	350	977
14	Farmers Scientist interaction progamme	Interaction programme on field related programme	18.03.2021	1	9	6	15	8	5	13	5	2	7	22	13	35
15	Ex trainee`s meet			0	0	0	0	0	0	0	0	0	0	0	0	0
16	Field day		14.12.2020,14.12.2020,14.11.2020,11.01.2021,04.02.2021	7	16	06	22	79	23	102	5	2	7	100	31	131
17	Film show	On vemicompost, composite fish culture, mushroom cultivation etc	16.02.2021 to 20.02.2021	5	100	55	155	195	70	265	6	2	8	301	127	428
18	Radio talk	Xitkalin xoisyar lobologia jotnoxomuh, At AIR Guwahati	03/01/21	1	0	0	0	0	0	0	0	0	0	0	0	0
19	Group meeting	Meeting on SHG	10.12.2020,18.03.2021,05.12.2020,01.11.2020,10.02.2021,03	7	30	14	44	55	22	77	5	2	7	90	38	128

			.12.2020,22.07.2020,16.02.2021,02.02.202,05.06.2020													
20	Kishan Mela			0	0	0	0	0	0	0	0	0	0	0	0	0
21	Soil Health camp			0	0	0	0	0	0	0	0	0	0	0	0	0
22	Awareness Camp	On oill testing, Sawchhata, Covid-19 etc.	19.10.2020,20.11.2020,21.02.2021,23.12.2020,19.03.2021,30.11.2020,10.02.2021	7	41	32	73	45	27	72	5	2	7	91	61	152
23	Awareness camp Mobile Agro-Advisory (Message / Beneficiaries)	SMS on different problems, prospect and solutions on agriculture and allied sectors		140	250	350	600	300	270	570	5	2	7	557	622	1179
24	Method Demonstration	Nursery raising, Application of biofertilizer, Production of Oyster Mushroom, Pheromone trap, Preparation of low cost vermin compost, Soil testing, Bee keeping, Seed production	03.12.2020,22.07.2020,10.02.2021,19.10.2020,22.07.2020,16.02.2021,11.01.2021,08.03.2021	8	22	14	36	23	13	36	5	2	7	52	29	81
25	Scientists visit to farmers fields	Field visit under FLD/OFT/Training/Other extension activities	11.02.20,13.02.20,14.02.20,17.02.20,18.02.20,20.02.20,09.11.20,10.11.20,12.11.20,23.11.20,26.11.20,27.11.20,28.11.20,01.12.20,07.12.20,09.12.20,11.12.20,16.12.20,17.12.20,19.12.20,21.12.20,26.12.20,29.12.20,31.12.20,04.01.21,08.01.21,11.01.21,18.01.21,19.01.21,28.01.21,30.01.21,01.02.21,04.02.21,08.02.21,09.02.	76	69	12	81	47	32	79	6	2	8	122	46	168

			21,11.02.21,12.02.21,13.02.21,15.02.21, 17.02.21,18.02.21													
26	Workshop/ Seminar		18.3.2021	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Soil Testing			250	65	45	110	74	66	140	5	2	7	144	113	257
28	SHG Conveners meet	At Kachikotra	18.3.2021	1	0	20	20	0	23	23	2	0	2	2	43	45
29	Bench Mark Survey (Participatory Rural appraisal)	PRA at Bamungaon, Birjora	24.02.21,28.02.21	2	19	6	25	5	15	20	6	1	7	30	12	42
30	Impact assessment on tribal sub plan programme of chirang			0	0	0	0	0	0	0	0	0	0	0	0	0
31	Water testing			0	0	0	0	0	0	0	0	0	0	0	0	0
32	Plant testing			0	0	0	0	0	0	0	0	0	0	0	0	0
33	Manure Testing			0	0	0	0	0	0	0	0	0	0	0	0	0
34	Soil Health card			250	65	45	110	74	66	140	5	2	7	144	113	257
35	Lecture delivered as resource person	Plant protection measure in vegetables, Rice based products export, Milling technique of rice, Integrated pest management, Selection of commonly important type of mushroom based on marketing demand, climatic condition and growing demand, Processing and value addition of mushroom, Business plan	23.12.2020,08.01.2021,08,01.2021,01.02.2021,20.02.2021,26.02.2021,03.03.2021,20.02.2021,03.03.2021,03.03.2021,23.11.2020,01.03.2021,27.02.2021,20.02.2021	14	140	45	185	175	80	255	5	1	6	320	126	446

		and preparation of project report, Soil testing and soil conservation, Post harvest procedure and labeling of mushroom, Use of spent mushroom substrate in vermicomposting, Establishment of kitchen garden, Vocational training on commercial pig farming, Group Meeting on Cluster Demonstration on Pulses, Training Programme on Market Led Extension, Recent Advances in soil microbiological research with a special thrust to biofertilizer technology, Training on soil analytical methods for the determination of macro and micronutrients														
36	Any other (Please specify)			0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total				**2015**	**1332**	**942**	**2274**	**1761**	**1114**	**2875**	**92**	**30**	**122**	**3189**	**2076**	**5265**

3.5 Production and supply of Technological products during 2020-21

A. SEED MATERIALS :

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Rice	Ranjit Sub-1	300.0	9000000.00	74	74	148
OILSEEDS	Toia	TS-46	72.0	4680000.00	48	90	138
	Sesamum	ST-1683	18.0	2160000.00	20	28	48
PULSES	Lentil	PL-9	14.0	980000.00	25	43	68
	Blackgram	IPU-02-43	11.25	1125000.00	15	27	42
VEGETABLES	-	-	-	-	-	-	-
FLOWER CROPS	-	-	-	-	-	-	-

OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2020-21 :

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	300.0	9000000.00	74	74	148
2	OILSEEDS	90.0	6840000.00	68	118	186
3	PULSES	25.25	2105000.00	40	70	110
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		**415.25**	**17945000.0**	**182**	**262**	**444**

B. Production of planting materials (Nos. in lakh)

Major group/class	**Crop**	**Variety**	**Numbers (In Lakh)**	**Value (Rs.)**	**Number of recipient beneficiaries**		
					General	**SC/ST**	**Total**
Fruit	Dragon Fruit cutting	Red Dragon	0.001	**5000.00**	**2**	**1**	**3**
	Pineapple Suckers	Kew	0.05	**40000.00**	**1**	**1**	**2**
Spices	Black pepper cutting	Paniur-1	0.0035	**5250.00**	**1**	**0**	**1**
Ornamental plants	Seasonal flower seedling	-	0.002	**1000.00**	**0**	**0**	**0**
VEGETABLES	Tomato	BNT-1217-F1	0.015	**3000.00**	**3**	**3**	**6**
	Chilli	Yashaswaini	0.012	**2400.00**	**2**	**3**	**5**
	Cabbage	BC-76	0.015	**3000.00**	**4**	**6**	**10**
	Cauliflower	Giriraj	0.01	**2000.00**	**2**	**3**	**5**
	Knolkhol	White Viana	0.015	**3000.00**	**6**	**5**	**11**
	Brinjal	Navkiran	0.013	**2600.00**	**4**	**6**	**10**
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2020-21

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	0.051	45000.00	3	2	5
2	Spices	0.0035	5250.00	1	0	1
3	Ornamental Plants	0.002	1000.00	0	0	0
4	VEGETABLES	0.08	16000.00	21	26	47
5	Forest Spp.					
6	OTHERS (Specify)					
TOTAL		**0.1365**	**67250.00**	**25**	**28**	**53**

C. Production of Bio-Products during 2020-21

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No.	(qt)		General	SC/ST	Total
BIOAGENTS	-	-	-	-	-	-	-	-
BIOFERTILIZERS	-	-	-	-	-	-	-	-
1	Vermicompost	*Eisenia foetida*	-	20.0	20000	2	1	3
2	Azolla	Azolla caroliniana	-	8.0	8000	-	-	-
BIO PESTICIDES	-	-	-	-	-	-	-	-

C1. SUMMARY of production of bio-products during 2020-21

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos.	(q)		General	SC/ST	
1	BIOAGENTS	-	-	-	-	-	-	-
2	BIO FERTILIZERS	Vermicompost (*Eisenia foetida*)	2	20.0	20000.00	2	1	3
		Azolla (*Azolla caroniana*)	2	8.0	8000.00	-	-	-
3	BIO PESTICIDE	-	-	-	-	-	-	-
	TOTAL	-	**4**	**2800**	**28000**	**2**	**1**	**3**

D. Production of livestock during 2020-21:

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	Duck		16	-	6400.00	-	-	-
2	Goat		16	-	80000.00	-	-	-
3	Poultry		229	-	25000.00	-	-	-
4	Others (Specify							

D1. SUMMARY of production of livestock during 2020-21:

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	Duck	White Pekin	16	-	6400.00	-	-	-
2	Goat	Beetal and local	16	-	80000.00	-	-	-
3	Poultry	Kadaknath, silkie, broiler, Japanese quail & local	229	-	25000.00	-	-	-
4	Others (Pl. specify)	-	-	-		-	-	-
	TOTAL		**250**	**-**	**111400.00**	**-**	**-**	**-**

3.6. Literature Developed/Published (with full title, author & reference) during 2020-21

(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	**Title:** Effect of fertigation and plastic mulching on growth and yield of cabbage under drip irrigation **Journal:** 29th National conference of Soil Conservation Society of India on Sustainable Soil and water management for bio diversity, food security and climate resilience	B.Deka, M. Bhagawati, J.Talukdar, J.Bora	1
	Title: Socio economic status of growers and constraints in banana cultivation in western districts of Assam **Journal:** International Journal of Farm Sciences, 10 (3):31-34	B.Sarma, M,Choudhury, R.K.Nath, , M.Bhagawati and R.Sarma	1

Training manuals	Training Manual on Scientific pig Production and Management	DR. Rajeev Bhandar Kayastha	**1**
Technical Report			
Book/ Book Chapter			
Popular articles			-
Technical bulletins			
Extension bulletins	Baigyanik Bhittit Sariahar Kheti (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
	Til Khetir Unnat Krishi Paddhati (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
	Tisi Kheti (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar Mr. J. Sarma,	500
	Unnat Padhatire Matar Mahar Kheti (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
	Unnat Padhatire Masur Mahar Kheti (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
	Unnat Padhatire Mati Mahar Kheti (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
	Oyster Mushroom Production: A way of Self Employment for Rural Youth (Assamese)	Dr. C.K Deka, Dr.H.K. Baruah, Dr. R.K. Saud, Mr. M. Kalita, Mrs. M. Bhagawati, Mr. P. Dutta, Dr. R. B. Kayastha, Mrs. J. Talkukdar, Mr. S. Talukdar, Mr. J. Sarma	500
Newsletter		Dr. Chandan Kumar Deka and other Scientific staff of KVK, Chirang	100
Conference/ workshop proceedings			
Leaflets/folders			
e-publications			
Any other (Magazine)			
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. Sarbeswar Basumatary: A Joyful Journey in Farming

Sarbeswar Basumatary, is a 58 yrs progressive farmer of 1 no Garabdara village of Panbari of Chirang District. His father Lt. Jaleswar Basumatary was a farmer and due to his poor economic condition he could not continue his education beyond class VII and had to involved himself in farming along with his father. Previously, his farming practice was traditional because of which he could not earn much profit although he had 4.8 ha land. But later on, when he came in contact with the KVK, Chirang and Department of Agriculture, his whole farming practices has changed from traditional to scientific and earned better profit than before. At present he has taken 14.4 ha land in leased system to broaden his farming and at present his annual income from all sources is almost 1250000.00 which he earned by hard work, innovative ideas and following scientific cultivation with judicious use of resources.

Resources owned by Mr. Basumatary:

1. Fishery area: 1.8 ha
2. Irrigating facility: 7.0 ha (Solar Irrigation, STW and natural Channel)
3. Livestock: Pigs, Cows, Goats, Duck ,Poultry
4. Farm machineries: 1. Tractor with harrow, cultivator and trolley
   2. Power Tiller: 3 nos.
   3. Rotavator: 1 no
   4. Power Pump set: 2 nos.
   5. Thresher Machine: 1 no
   6. Solar Dryer: 1 no
   7. Solar Pump: 1 no
   8. Power Sprayers: 5 nos.

Area Under different Crops:

Field crops: 7.5 ha
Horticultural crops: 2.27 ha
Plantation crop (Arecanut, coconut, bamboo, Gamari tree): 2.0 ha
Agro-forestry/Apiculture /Sericulture: 1.73 ha
Livestock: Cattle: 1unit (5 nos.), Duckery: 1unit (40 nos.) Piggery: 1 Unit (5 nos.), Goatery: 1 Unit (8 nos.), Poultry: 1 unit(20 nos.)

New technologies adopted in farming:

Mr. Basumatary adopted so many technologies in his farm. He mainly adopted Pineapple cultivation using plastic mulch, Intercropping of pine apple in Kesaru Plantation., Duck cum Fish farming, Honeybee rearing, Solar Pump set for irrigation, Cultivation of High yielding varieties of rice like Ranjit sub-1, Scientific Pig farming, Cultivation of Papaya using Plastic Mulch, Vermin-composting technology, Composite Fish Culture technology, Solar dryer for drying of Ginger, turmeric etc, Handloom technology, Pig cum fish farming, Poly house Technology, Shade house technology, Drip Irrigation Technology Sprinkler Irrigation technology etc.

Innovative technologies developed and adopted

By getting the scientific advice from KVK and other line departments, he adopted many innovative technologies from which he earned a good profit.:

I. Innovative approach in Intercropping of Pineapple in Kesaru Plantation using plastic mulch:

Sericulture is an important source of income for the Tribal people of the Chirang district. Mr. Sarbeswar Basumatary, the progressive farmer of the Chirang district also actively doing Sericulture at his farm. He used to rear Eri, Muga and Pat for production of Eri, Muga and Pat Silk. From this silk, he used to prepare the traditional dresses which are having high demand in the market as well as in the locality. So, he planted 0.53 ha Kesaru tree to rear the Eri silkworm at his farm. He utilized the area in between the Kesaru plant by growing Pineapple to get extra income from that plantation. He maintained the spacing of 30x60x90cm in pineapple; Many farmers generally do not practice intercropping in the plantation. So, by adopting the intercropping, he earned Rs.35000.00 per year as additional income in addition to income received from Kesaru plantation which is about 1.0- 1.5 lakhs per annum.

II. Innovative approach in Intercropping of Pineapple in Areca nut Plantation by using Plastic Mulch:

Horticulture is an important component of farming for the Tribal people of the Chirang district. Most of the people of this district is basically dependent on Horticulture sector for their livelihood. Mr. Sarbeswar Basumatary also cultivates many horticultural crops at his farm. Out of which Areca nut plantation is one of the major source of income. Offering Areca nut with betel vine is a traditional practice when some guest comes to their home. Often most of the people take it after having tea, lunch and dinner. Hence areca nut is having high demand among the tribal people of the district as well as in the state. So, he planted area nut in 0.8 ha area at his farm. He also utilized the area in between the Areca nut plant by growing Pineapple using plastic mulch(By maintaining double row system of planting) to get extra income from that plantation. He maintained the spacing of 30x60x90cm in pineapple. Most of the farmers generally do not practice intercropping in the areca nut plantation although each and every family has the areca nut plantation at their homestead area. So, by adopting the intercropping, he earned Rs.30, 000.00 to 35,000.00 per year as additional income. His annual income from this areca nut plantation is about 1.5 lakhs

.II. Innovative approach in Areca nut seedling Production in Areca nut Orchard:

Mr. Basumatary has an areca nut plantation of about 0.8 ha area. Generally people don't use the land in between the areca nut rows. But Mr. Basumatary utilizes the places in between the areca nut rows by intercropping with Pineapple and also growing with areca nut seedlings having areca nut seedlings. As his farm which value is high demand in the locality, so he produced approximately 50000 seedlings at was able to produce 50000 about 5.0 lakhs. By utilizing the area in between the areacanut plantation he seedlings, so he used his land judiciously to earn the profit from his land.

IV. Papaya Plantation by using Plastic mulch and drip irrigation:

Mr. Basumatary is very much interested in Papaya Cultivation which is having high demand in the market. So he planted papaya seedling in 0.4 ha area with plastic mulching and with drip irrigation facility. In his area, he is the only farmer using drip irrigation in cultivation.

Activity wise income of Mr. Basumatary:

A. Rice production system:

Production of rice for grain as well as seed purposes covering an area of 7.33 ha is an important activity being carried out by Mr. Sarbeswar Basumatary. With the advice of KVK scientists, he grew Ranjit and Ranjit

Sub 1 variety of rice. Now from each ha area he received net income of Rs. 45000.00 and thus total income from rice is almost 325000.00.

B. Pineapple Production System:

Mr. Sarbeswar Basumatary also incorporated Pineapple in the area of 0.67 ha as intercropping with Banana, Arecanut and Kesaru plantation. He mainly followed double row system of Pineapple planting. With the advice of KVK scientists he used mulching in Pineapple plantation. He is earning a good income of Rs. 50000.00 to 60000.00 from Pineapple per year.

C. Assam Lemon Production System:

Mr. Sarbeswar Basumatary also incorporated Assam lemon in the area of 0.27 ha. Assam lemon is highly demanded fruit in Assam especially during summer season which is basically seedless. It is sold in the market @ Rs.2.00/ fruit. He is earning a good income of Rs. 350000.00 to 400000.00 from Assam lemon per year.

4. Livestock:

Piggery Unit: Mr. Sarbeswar Basumatary started pig farming in his farm as a Integrated system of Pig cum fish farming. He brought Hempshire Breed of Pig and reared at his Pig Unit which is at the bank of the Fishery. The droplets of Pig goes to Cemented tank and from this tank, only the liquid portion goes to Fish pond and the droplets collected in the tank are used in vermicompost unit established at his farm. Now from this pig unit his annual income is approximately Rs. 80000.00 per year.

Duckery Unit: Mr. Basumatary started duck farming in his farm as a Integrated system of Duck cum fish farming. He brought 40 nos. of Chara Chemballi breed of duck with the advice of KVK scientists and established the duck unit at the bank of the Fishery. This breed of duck gives more no of eggs as compared to the local duck breed. The droplets of duck goes to the fish pond become feed for the fish. Now from this duck unit his annual income is approximately Rs. 10000.00 -15000.00.

Goatery Unit: Mr. Basumatary also has a Goatery Unit at his farm where he kept 8 nos. of local goat which is a additional source of income for his family. From this unit, he sells the kids every year and earns an income of Rs. 20000.00 per year.

Dairy Unit: Mr. Basumatary also has a Dairy unit at his farm where he kept 5 nos. of local cows which is an additional source of income for his family. From this unit, he earns an income of Rs. 20000.00 per year by selling milk and calves.

Fisheries: Mr. Basumatary, the progressive and leading farmer of Chirang district now become pathfinder to many young and upcoming farmers of the region through his excellent hard work, management skill and advance technology implementation in the agricultural sector including fisheries and livestock. Starting with a small dig out water body of only 0.26 ha, he concentrated on the recent technologies of fish farming and expanded this area to 1.8 ha with the advice of Krishi Vigyan Kendra, Chirang and Department of Fishery and able to get Rs. 150000.00 to 200000.00 per year. .

Sericulture production System:

Sericulture is an important source of income for the Tribal people of the Chirang district. Mr. Sarbeswar Basumatary, the progressive farmer of the Chirang district also actively doing Sericulture at his farm. He used to rear silkworm of Eri, Muga and Pat for production of cocoon and for

production of Eri, Muga and Pat Silk. These silk are the unique identification of the district as well as for the state. From this silk, he used to prepare the traditional dresses which are having high demand in the market as well as in the locality. So, he planted 0.53 ha Kesaru tree, 0.27 ha Som tree and 0.53 ha Mulberry tree at his farm. He also brought 3 Jackard for production of traditional clothes like Dakhana, Gamosha, Mekhela Sadar etc and earns Rs. 25000.00 per handloom. He earns Rs. 2.0-2.5 lakhs annually from this plantation.





Publicity of His work:

Mr. Sarbeswar Basumatary has revolutionized sericulture not only in his locality but also in the whole district. His success has been turned out to be an inspirational force for many rural youths to accept Sericulture as a source of livelihood. Because of his tremendous work in sericulture he got the chance to visit china in the year 2017 and was nominated by Sericulture Department of Assam. He also popularized Intercropping of Pineapple in Arecanut, Banana and Kesaru plantation in his locality. Many organizations now take exposure visit to his farm. Achievement of Mr. Basumatary was recognized by State Dept. of Agriculture, Fishery and Sericulture by giving **Best Farmer Award** of Chirang district and Appreciation letter from various organizations of state and national level. Now he is being invited by many organizations to share his experience in farming.

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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
  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

- **Extension personnel**
  a. Zonal Review Meeting
  b. ZREAC meeting

3.11 Field activities

i.	Number of villages adopted	: 5
ii.	No. of farm families selected	: 112
iii.	No. of survey/PRA conducted	:2

Activities of Soil and Water Testing

1. Status of establishment of Lab	: Established
2. Year of establishment	: 2017

2.List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S & WT Lab	Mini lab/Mridaparikshak	Manufacturer		
1	-				
Total					

3.Details of samples analyzed (2020-21) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	100	100	11	NIL
Water Samples	0	0	0	0
Plant Samples	0	0	0	0
Petiole Samples	0	0	0	0
Total	**100**	**100**	**11**	**NIL**

1. **Details of Soil Health Cards (SHCs) (2020-21)**
   a. No. of SHCs prepared :250
   b. No. of farmers to whom SHCs were distributed : 250
   c. Name of the Major and Minor nutrients analysed : N, P, K, B, Zn, Fe, S
   d. No. of villages covered :11
   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 type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Ben efficacy	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benefi ciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benef iciary	No. of Message	No. of Benefi ciary
Text only	25	55210	8	13950	3	39576	2	420	5	18005	4	16650	48	143811
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**25**	**55210**	**8**	**13950**	**3**	**39576**	**2**	**420**	**5**	**18005**	**4**	**16650**	**48**	**143811**

3.14 Contingency planning for 2020-21

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Flood and drought	Introduction of new variety or crop	13.000 ha (6000ha flood affected, 7000ha drought affected)	250	480	730
Flood and drought	Introduction of Resource Conservation Technologies	Training programme on Resource Conservation Technologies	220	330	550
Flood and drought	Distribution of seeds and planting materials	Rice seedlings, pulse and oilseed crops	510	492	1002
Flood and drought	Any other (Please specify)	Training programmes on alternate activities after flood/drought like mushroom cultivation	180	270	450

23. **Livestock based Contingency planning**

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total
Flood and drought	500 birds, 300 piglets	2	2	800	90	120	210

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 participants	% of adoption	Change in income (Rs.)	
			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	380	25%	55,000.00/ha	100,500.00/ha
Scientific method of potato cultivation	225	30%	57,000.00/ha	10,000.00/ha
Introduction of HYV of *Sali* rice var. Ranjit Sub-1, TTB-404, Shraboni etc.with modern cultivation technology viz. time of sowing & transplanting,	570	25%	21,600.00/ha	50,200.00/ha

seed treatment, fertility management, water management and plant protection measures				
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	130	10%	28,000.00/ha	38,500.00/ha
Seed production technique in *Sali* rice (Variety: Ranjit Sub-1, TTB-404)	145	15%	27,000.00/ha	82,000.00/ha
Improved production technology of lentil	610	25%	11,000.00/ha	15,200.00/ha
Rearing of improved breed of poultry	210	30%	-	-
Seed production technique in toria (Variety: TS-36, 38, 46, 67, 29)	460	30%	32,000.00/ha	45,000.00/ha
Seed production technique in lentil (Var. PL 406, Maitree)	270	10%	25,500.00 / has	48750.00/ha
Rearing of WhitePekin duck	130	10%	-	-
Pig Rearing	1550	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' Ranjit, Ranjit sub-1, Bahadur sub-1, Kanaklata etc. 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 under these HYVs of summer rice and also increase in crop yield..

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, technology showcasing, Cluster front line demonstration, advisory services etc. since inception. Significant increase in area for seed production under paddy, oilseed and pulses has been observed in the district under the influence of the KVK.

4 *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.

5 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.

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Foundation seed production of Mustard under PPP mode	2	30%	44000.00/ha	68750.00/ha
Cluster demonstration of toria,Mustard variety-TS 46, NRC HB 101	214	30%	40000.00/ha	60750.00/ha
Technology demonstration under technology showcasing of Sali paddy Var: Ranjit Sub 1	26	25%	35,000.00/ha	55,000.00/ha
Seed production technique in toria Variety: TS-46	8	55%	30,000.00/ha	45,000.00/ha
Technology demonstration under Cluster FLD lentil, Var: HUL 57	36	40%	47125.00 / has	71500.00/ha
Improved cultivation practices in water melon (Var. Sugar Baby)	3	70%	2,66,,060.00/ha	4,80,460.00 /ha
Cluster demonstration of pea under cluster FLD	83	25%	112000/ha	144000.00 /ha
Technology demonstrated under CFLD of Kharif oilseed Sesamum,Var: ST-1683	48	25%	45000.00 /ha	70000.00/ha
Cluster demonstration of Blackgram, Var: PU-31	54	20%	35,000.00/ha	55,000.00/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 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
2. Directorate of Agriculture, BTC, Kokrajhar	i) Preparation of Impact point for BTAD at Bimonthly Zonal Workshop
3. Department of Veterinary, Chirang	i) Association KVK scientist as resource person ii). Collaborative training programme organization
4. DICC, Chirang	i) Entrepreneurship development through training
5. RSETI, SBI, Kajalgaon	i) Organization of vocational training programmes for self-employment of Rural Youths
6. NABARD	i) Involvement of KVK scientists as resource person in training programmes
7. DRDA	i) Involvement of KVK scientists as resource person in training programmes
8. SIRD, Khanapara	i). Organization of sponsored training programme ii). Association KVK scientist as resource person iii). Carrying out of sponsored action research programme in veterinary
9.Coconut Board, Chirang	i). Organization of sponsored training programme ii). Association KVK scientist as resource person
10. Department of Fishery Science, Chirang	i). Organization of sponsored training programme ii). Association KVK scientist as resource person
11. Petroleum Conservation Research Agency, Ghy.	i). Organization of sponsored training programme ii). Association KVK scientist as resource person iii) Conducting workshop

12.KASS and NASS	i) Organization of training programmes ii) Technology demonstration cum seed production ofMaize,
13. NGO 'SeSTA'	i) Upliftment of rural community through programmes planning, identification of beneficiaries and execution of training, demonstration and awareness programmes ii) Attending the Annual Meeting
14.Friends of Coconut	i) Organizing Training programme ii) Act as resource person iii) Extension support
15. Anjali SHG	i) Organizing training and demonstration programmes for economic upliftment of SHGs ii)FLD Programme on oilseed and pulse crop
16. Rosy SHG	
17. Bornali SHG	
18. Fungbeli SHG	
19. Wildlife Trust of India	i). Collaborative training to the extension functionaries
20. PPVFR Authority	i). Collaborative awareness cum training programme on PPV&FR Act 2001
20. SSB, Banduguri, Chirang	Collaborative awareness cum training programme.
21. Indo Global Social Service Society	Collaborative HRD programme
22. Bongaigaon Gana Seva Society	Delivered lecture as resource person.
23. Luthern World Service India Trust	Delivered lecture as resource person in awareness programme on Scientific cultivation of field crops.
24. Livelihood Mission Trust	Collaborative interaction of KVK for livelihood generating activity
25. Jagaran NGO	Delivered lecture as resource person.
26. 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, and 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 2020-21

Name of the Scheme	Activity	Date/Month of initiation)	Funding agency	Amount (Rs)
PKVY	Organic cultivation, seed production etc.	2019-2020	ATARI	272415.00 (last year balance)
CFLD on Oilseeds	FLD	August, and October, 2020-21	ATARI	456000.00
CFLD on Pulses	FLD	August, and	ATARI	360000.00

		October 2020-21		
NEH Component	Oilseed production, vegetable production	2019-20	ATARI	10064.00 (last year balance)
SWACHATA ACTION PLAN	Swachhata	2020-21	ATARI	40000.00
PCRA	Awareness programme petroleum conservation	2020-21	PCRA, Ministry of Petroleum and Natural Gas	8544.00
ICAR seed project	Mustard seed production	October, 19	ICAR-ATARI VI	21750.00 (last year balance)
Bamboo Mission	Raising Bamboo seedling	July, 2020	National Bamboo Mission through State Bamboo Development Agency	401290.00
CMSGUY	Fishery training	2020-21	Govt . of Assam	322542.00
STC (Bari Development)	Bari Development	2018	AAU	
Technology Showcasing+	Seed production	June, 2020	AAU	**156325.00**(last year balance)
NARI	Demonstration and Training	2020-21	ATARI	**50000.00**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

Sl. 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 ATMA	
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: nil

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board :

S. No.	Programme	Nature of linkage	Remarks
1	Workshop on Composite fish culture	KVK scientists act as Resource Persons in the programmes	Successfully completed the progamme

5.6 Nature of linkage with Coconut Development Board: Yes

S. No.	Programme	Nature of linkage	Remarks
1	Coconut seedling distribution, coconut harvesting machine distribution	KVK implemented the programme in farmers field	Successfully completed the progamme

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2020-21

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-	-	-

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q.)	Cost of inputs	Gross income	
Cereals									
Rice									
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									

Toria	03.11.20	25.01.21	0.13	TS-46+	Seed	0.3	1000.00	1950.00	
Niger	01.11.20	20.02.21	2.0	NG-1	Seed	4.0 q	9000.00	14000.00	
Any other									
Fibers									
i.									
Spices & Plantation crops									
Black pepper	02.04.16			Paniyur-1	cutting	350 nos.	1050.00	5250.00	
i.									
Floriculture									
Gerbera	15.08.20			Red gem	cutting	100nos.	100.00	500.00	
Chrysanthemum	19.07.20				cutting	100 nos.	100.00	500.00	
Fruits									
Pineapple	-	-	0.13	Kew	Fruit	5.0 q	2000.00	5000.00	Ratoon crop
Pineapple	-	-	0.13	Kew	Sucker	5000 nos.	2000.00	40000.00	Ratoon crop
Dragon fruit	14.11.19	-	0.035	Red dragon	Cutting	100 nos.	2000.00	5000.00	
Vegetables									
Tomato	10.11.20	17.02.21	0.03	BNT-1217-F1	Fruit	1.0 q	500.00	1000.00	
Tomato	10.10.20	09.11.20	-	BNT-1217-F1	Seedling	1500 nos.	1000.00	3000.00	
Chilli	10.11.20	02.03.21	0.03	Yashaswaini	Fruit	0.30 q	600.00	1200.00	
Chilli	15.10.20	08.11.20	-	Yashaswaini	Seedling	1200 nos.	500.00	24000.00	
Cabbage	12.10.20	05.11.20	-	BC-76	Seedling	1500 nos.	400.00	3000.00	
Cauliflower	12.10.20	08.11.19	-	Giriraj	Seedling	1000nos.	400.00	2000.00	
Brinjal	13.10.20	08.11.20		Navkiran	Seedling	1300 nos.	300.00	2600.00	
Brinjal	09.11.20	03.03.21	0.03	Navkiran	Fruit	1.2 q	600.00	1500.00	
Potato	15.11.20	24.02.21	0.26	Kufri Jyoti	Tuber	10.0q	8000.00	15000.00	
Others (specify)									
Buckwheat	11.11.19	26.02.19	2.0	local	Seed	2.5 q	4000.00	9000.00	Drought during flowering

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Azolla	8.0 qt		8000.00	Products were used in the

2	Vermicompost	20.0 qt	Farm wastage used	20000.00	KVK farm

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Duck	White Pekin	Meat	16	1600.00	6400.00	
2	Goat	Beetal and local	Meat	16	24000.00	80000.00	
3	Poultry	Kadaknath, silkie, broiler, Japanese quail & local	Meat	250	10000.00	25000.00	

6.5 **Rainwater Harvesting**

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

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

6.6. Utilization of hostel facilities (Month-Wise) during 2020-21

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*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2019
	Year	Year	Year	Year	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2019 -20

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	120.00	156.16	156.16
2	Traveling allowances	2.50	2.06	2.06
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	15.00	14.86	14.06
B	POL, repair of vehicles, tractor and equipments			
C	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			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		15.00	14.86	14.06
B. Non-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. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2017 to March 2018	211311.00	44414.00	2304.00	253421.00
April 2018 to March 2019	253421.00	40180.0.	5679.00	287922.00
April 2019 to March 2020	287922.00	67557.00	14079.00	341400.00

7.5 Utilization of fund other than KVK fund

Sl No	Scheme/Project	Fund received (Rs)	Expenditure(Rs)	Balance (Rs)
1	PKVY	272415.00 (last year balance)	47730.00	224685.00
2	CFLD on Oilseeds	456000.00	249171.00	206829.00
3	CFLD on Pulses	360000.00	275962.00	84038.00
4	NEH Component	10064.00 (last year balance)	4800.00	5264.00
5	SWACHATA ACTION PLAN	40000.00	40000.00	40000.00
6	PCRA	8544.00	8544.00	Nil
7	TSP-ICAR AINP on VPM			

8	ICAR seed project	21750.00 (last year balance)	21750.00	Nil
9	Bamboo Mission	401290.00	401290.00	Nil
10	CMSGUY	322542.00	136520.00	**186022.00**
11	STC			
12	STC (Bari Development)			
13	Technology Showcasing+	**156325.00**(last year balance)	20400.00	**135925.00**

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