

ANNUAL REPORT, 2022-23

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, 2023)

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	161600.00	07.11.2008	Permanent	General
2	Subject Matter Specialist	Dr. Hiranya Kumar Baruah	SMS	Agril. Economics	Level 10	-	07.11.2008	Permanent	General
3	Subject Matter Specialist	Ms Mandakini Bhagawati	SMS	Horticulture	Level 10	69000.00	10.10.2015	Permanent	General
4	Subject Matter Specialist	Dr Rajeev Bhandar Kayastha	SMS	Animal Science	Level 10	69000.00	17.10.2015	Permanent	General
5	Subject Matter Specialist	Mr. Mahesh Kalita	SMS	Agronomy	Level 10	71100.00	04.02.2014	Permanent	General
6	Subject Matter Specialist	Ms. Juri Talukdar	SMS	Entomology	Level 10	65000.00	26.04.2018	Permanent	OBC
7	Subject Matter Specialist	Mr. Poran Kishor Dutta	SMS	Soil Science	Level 10	63100.00	25.08.2018	Permanent	General
8	Programme Assistant	Mr Sailen Talukdar	Programme Assistant	Crop Physiology	Level 6	56900.00	21.03.2009	Permanent	SC
9	Computer Programmer	Mridul Kumar Haloi	Programme Assistant (Computer)	Computer Applications	Level 6	49000.00	13.09.2011	Permanent	SC

10	Farm Manager	Mr Ratul Das	Farm Manager	PBG	Level 6	77900.00	10.10.2001	Permanent	OBC
12	Jr. Stenographer cum computer operator	Mr. Mrinmoy Jyoti Dutta	Jr. Stenographer cum computer operator	Stenography	Level 4	28700.00	04.02.2019	Permanent	General
13	Supporting staff	Mr. Levi Murmu	Supporting staff	-	Grade IV	27180.00	16.10.2004	Permanent	OBC
14	Driver	Mr. Lakhi Ram Brahma	Driver cum Mechanics	-	Level 3	29300.00	20.02.2012	Permanent	ST
15	Driver	Mr. Sanju Boro	Driver cum Mechanics	-	Level 3	29300.00	20.02.2012	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	SBDA	2020					Complete
	j. Low cost Vermicompost Unit	SBDA	2021					Complete

	k. Assam lemon cutting unit	KVK	2021					Complete
	l. Shade net house for saplings	KVK	2021					Complete
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	115401	Good
Tractor	19B 1740	2006	3.66 lakh	3818	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 2022-23 :

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1	22.03.2023	Attached in Annexure	As attached in Annexure	As attached in Annexure

* 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 ₂ O ₅ low and medium in K ₂ O status. Four orders of soils are found in the zone (i) Entisol, (ii) Inceptisol, (iii) Alfisol and (iv) Ultisol.

B. Agro-ecological Situations

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 slopes. 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 silty 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.I. 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 ° C		Relative Humidity (%)
		Maximum	Minimum	
April 2022	110.2	34.2	19.8	80.4
May 2022	349.1	35.1	20.1	87.2
June 2022	591.3	36.3	21.5	88.3
July 2022	355.2	35.0	21.3	86.8
August 2022	295.8	37.0	24	79.3
September 2022	473.8	34.0	21.0	84.5
October 2022	65.6	34.0	20.0	80.4
November 2022	4.0	29.6	12.0	76.2
December 2022	0	27.0	9.0	76.1
January 2023	1.2	25.2	5.0	70.6
February 2023	0.6	25.4	8.4	75.3
March 2023	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			
<i>Crossbred</i>	462	1329 liters/day	3.31 litrs./day
<i>Indigenous</i>	36952	9000 liters/day	300 ml/day
Buffalo			
<i>Crossbred</i>	194	500 liters/day	3 liters/day
<i>Indigenous</i>	666	600 liters/ day	1 liters/day
Sheep			
<i>Crossbred</i>			
<i>Indigenous</i>	6167	-	-
Goats	24902	10 ton kg/year	5 kg/animal
Pigs			
<i>Crossbred</i>	4948	60 ton kg/year	25 kg/animal
<i>Indigenous</i>	9412		
Rabbits	-	-	-
Poultry			
Backyard	68320	Meat: 5 ton/year Eggs: 32 lakhs nos.	Meat: 0.83 kg/ animal 90 eggs/bird
Farm	255913		
<i>Improved</i>	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production(MT)	Productivity (Kg/ha)
Fish	2695	57394.31	2150
<i>Marine</i>			
<i>Inland</i>			
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

2.7 Block wise Literacy rate (%) 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		
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

2.8 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

2.9 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)
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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 (2022-23)

Sl. No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
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1.	Kajalgaon	Sidli	<p>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,</p>	<p>Rice, rapeseed & mustard, sesame, black gram, buckwheat, kharif & rabi vegetables, maize, banana etc. are important crops.</p> <p>Major enterprises included cropping, dairy, backyard poultry, goatery etc</p>	<p>-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</p>	<p>-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</p>
2.	Bijni	Borobazar	<p>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, Janata Bazar, Malivita F.V, Amteka F.V, Dhalpani Forest Block, Simlaguri Forest Block, Dakhingaon F.V,</p>	<p>Major crops are rice, lentil, toria, rapeseed & mustard, areca nut, coconut, banana, vegetables, bamboo etc.</p> <p>Major enterprises are cropping, fishery, dairy,</p>	<p>-Soil acidity -Yield gap in paddy, pulses, oilseeds, fruits and vegetables -Low rate of seed replacement and poor adoption of HYVs</p>	<p>-Management of acid soil -Crop planning for rainfed area. -Commercial production of fruits and vegetables. -Increasing productivity of major field crops through improved crop</p>

			Bhurbasti FB, Bhur FV, Parbatipur, Gendabil, Koila - Moila, Narayanpur, Napalpara, Parbatjhora, Pub - amguri, No. 1 Mazrabari, Malipara, Pachim Makra, Bari para No.1, Sowari No. 2, Sowari No. 1, Dahalpara No. 2, Dahalpara 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, Bagakгаа, Dokhona gaon, Larugaon, Kuklung,	duckery, goatery, backyard poultry, Mushroom etc.	-Poor fertility management -Rainfed farming -Un-organized marketing system -Low productivity of animals --Low production of fish per unit of water bodies.	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
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3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2022-23

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	2	9	6	3	5	20	24
Plant protection	2	3	6	8	4	4	60	38
Soil Science	2	2	6	6	3	3	20	20
Horticulture	2	2	6	6	2	3	7	15
Ani. Sci.	2	2	15	11	5	5	38	28
Economics	0	0	0	0	0	0	0	0
Total	11	11	42	37	17	20	145	125

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	39	42	975	1055	932	1427	17611	19778
Rural youth	22	16	550	386				
Extn. Functionaries	11	3	275	70				
Civil Society	0	0	0	0				
Vocational Training	6	0	150	0				
Total	78	61	1950	1511	932	1427	17611	19778
Seed Production (ton.)				Planting material (Nos. in lakh)				
5				6				
Target		Achievement		Target		Achievement		
25.00		11.6		0.18		0.06273		

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2022-23

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	Buckwheat	Yield gap due to poor adoption of HYV and poor knowledge on scientific management practices, poor weed management		1.Integrated crop management of buckwheat in rice- buckwheat sequence. 2.Demonstration of Assam lemon for bari development at farmers field		-	Advisory services, diagnostic visit, field visit, Field day, Method demonstrations	Seed, fertilizers and other critical inputs
2.	Seed production	Rice, Toria	Non availability of quality seed and planting materials	Certified seed production of submergence tolerant rice variety Ranjit Sub-1				Field Day on Improved production and foundation seed production technology in Toria, Mustard and Rice	Seed, chemical fertilizer and pesticides
3.	Integrated pest management /Integrated disease management /Biological Management	Banana, Eri worm, Rice, Maize	Lack of scientific approaches in insect pest and disease management strategies	1.Efficacy of Trichoderma based bio-pesticide for management of panama disease in banana variety: Malbhog, 2. Efficacy of Rynaxypyr for management of rice stem borer in rice 3. Management of fall Army worm (<i>Spodoptera frugiperda</i>) and Stem borer (<i>Chilo parvulus</i>) in maize	1.Determination of efficacy of non woven polypropylene 17 GSM bunch bag for controlling fruit scaring beetle in Banana 2. Protection of eri worm against insect through mosquito net for better quality and higher production			Advisory services, field visits, Diagnostic visit, Field day	Bio pesticides, bee hive, Bunch bag, Pheromone traps (Funnel trap), Mushroom

4.	Varietal introduction	Rice, Cauliflower, French	Crop loss due to high incidence of diseases in tomato, low yield of local variety	1. Performance of paddy variety Numoli in hirang district 2. Assessment of coloured cauliflower varieties Carotina and Valentina in Chirang district 3. Comparative assessment of high yielding French bean Variety Arka Arjun, and Arka Sukomal	1. Popularization of medium duration rice (Var: Numoli) Lentil (Var: PL-9) cropping sequence 2. Performance of Sali rice variety Surma dhan 3. Certified seed production of toria Var: TS-38 4. Popularization of disease resistant tomato variety Arka Abhed in Chirang district. 5. Popularization of pumpkin variety Arjuna F1 IN FARMERS FIELD			Advisory services, diagnostic visit, field visit, Field day,	Seed, fertilizers and other critical inputs
5.	Commercial production and management of horticultural crops	Assam lemon,	Non utilization of interspaces, poor knowledge on scientific crop cultivation	-	-			Advisory services, diagnostic visit, field visit, Field day,	Planting material fertilizers and other critical inputs
6	Nutrient management	Rice, Potato	Low productivity due to imbalanced and untimely use of fertilizers	1. Combined effect of Boron and Zink in Hybrid rice, 2. Furrow application of lime in potato for improving productivity on acid soil.	1. Response of rice to zinc solubilizing bacteria for zinc nutrition 2. Nutrient management in rapeseed			Advisory services, diagnostic visit, field visit, Field day,	seeds, fertilizers and other critical inputs
7	Soil health and nutrient management		Improper management of soil due to imbalanced chemical fertilizer use, poor knowledge on nutrients and resource use efficiency and poor fertilizer management.					Diagnostic visit and Advisory Services and field day.	Seed & fertilizer
8	Soil microbes (beneficial)	Vermi compost, rice	Improper use of biowaste		Production of vermicompst in low cost vermicompost unit			Advisory services and method demonstrations and field day	Bamboo based earthen mud plastered low cost vermi compost unit & earth worm species <i>Eisenia foetida</i>
9	Weed management	Blackgram	Yield reduction due to heavy weed infestation	Performance of pendimethalin in weed management of Kharif Blackgram					

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	Performance of paddy variety Numoli in Chirang district	Less availability of HYV	T ₁ : Variety Numoli with recommended dose of fertilizer T ₂ : Farmers' practice (check) (Var. Parimal)	Rice	3	T ₁ : Plant height- 112 cm No. of effective tillers: 12 Yield- 39.5 q/ ha T ₂ : Plant height- 98.3 cm No. of effective tillers: 9 Yield- 27.6 q/ h	Satisfactory	Suitable for double cropping	T1: 2.16 T2: 1.57
2	Performance of pendimethalin in weed management of kharif blackgram	Low productivity due to weed	T ₁ : Pre-emergence application of Pendimethalin @1 lit/ha one day after sowing T ₂ : Farmers' practice- no application of Pendimethalin (check)	Blackgram	3	T ₁ : Plant height- 32.7 cm Primary branch/ plant- 5 nos. No. of pod/plant :44 Weed population:16 Yield- 6.4 q/ ha T ₂ : Plant height- 25.5 cm Primary branch/ plant- 3 nos. No. of pod/plant :29 Weed population:52 Yield- 5.1 q/ ha	Satisfactory	Suitable for farther intervention	T1:2.04 T2:1.67
Plant Protection									
3	Efficacy of Trichoderma based bio-pesticide for management of panama disease in banana variety	Decreased yield due to disease	T ₁ : i) Mix the 30 kg of Biofor-PF with 1 q compose/vermicompost incubate in a heap for 7 days. Apply 200 gm of this mixture at base of the plant before planting ii) Application of Bifor-PF	Banana	2	Ongoing			

	Malbhog		(3kg/100 lit) at 2,4,6,8 month interval drenching the entire plant T ₂ : Application of Azosystrobin 23% SC 1ml/lit of water. T ₃ : Farmers Practice						
4	Efficacy of Rynaxypr for management of rice stem borer rice	Low yield due to pest attack	T ₁ :Foliar spray of Rynaxypr (0.3 ml/Lit) at 15,45& 66 DAT T ₂ : Pheromone traps with Scripolure septa 15 days after transplanting T ₃ : Farmers Practice	Rice	3	T ₁ : Plant Height:118 Tiller /hill:17 Dead heart(%) :0.42 White ear head (%):1.24 Yield(q/ha): 55.0 T ₂ : Plant Height:117 Tiller /hill:16 Dead heart(%) :1.10 White ear head (%): 2.04 Yield(q/ha): 54.2 T ₃ : Plant Height: 117 Tiller /hill: 16 Dead heart(%) : 8.2 White ear head (%):10.7 Yield(q/ha): 49.1			T1:1.7 T2:1.6 T3:1.6
5	Management of Fall Army Worm(<i>Spodoptera frugiperda</i>) and stem borer (<i>Chilo partellus</i>) in maize. (from Dept. of Entomology,	High plant mortality due to Fall Army Worm and Stem Borer in Maize	T ₁ :IPM module comprising of ❖ Weeding 2 times at 15 days interval starting after 15 days of germination ❖ Application of Benzoate 3% WG+thiamethoxam 12% WG@0.1%	Maize	3	Ongoing			

	AAU)		followed by Chlorantraniliprole 18.5% SC @ 0.025% at 7 days interval T₂ :Control						
Soil Science									
6	Combined effect of Boron and Zink in hybrid rice	Micronutrient deficiency	T ₁ :Zn @ 7.5 kg/ha as basal + 0.25%B as foliar spray (Panicle initiation and milk stage) + NPK (80:40:40 kg/ha) with 3 splits of N and P & K at the time of land preparation. T ₂ : Recommended dose of fertilizer T ₃ : Farmers Practice	Rice	3	T1 : Plant height-139cm Tiller/hill-17 Effective Tiller /hill-16 Grains/panicle-205 Yield-55.0q/ha T2 : Plant height-135cm Tiller/hill-16 Effective Tiller /hill-15 Grains/panicle-202 Yield-50.5q/ha T3 : Plant height-130cm Tiller/hill-16 Effective Tiller /hill-13 Grains/panicle-196 Yield-49.2q/ha	Satisfactory	Suitable for farther intervention	T1:1.7 T2:1.6 T3:1.5
7	Furrow application of lime in potato for improving productivity on acid soil	Yield reduction due to acid soil	T ₁ : Furrow application of lime @2-4 q/ha along with recommended dose of NPK fertilizer T ₂ : Application of 25% of lime requirement alongwith RDF T ₃ : RDF without lime application	potato	3	T1 : Plant height-139cm Yield-98.0q/ha T2 : Plant height-135cm Yield-95.0q/ha T3 : Plant height-130cm Yield-83.0q/ha	Satisfactory	Suitable for farther intervention	T1:2.01 T2:1.8 T3:1.8
Horticulture									
8	Assessment of coloured cauliflower	New Introduction	T1 :Carotina T2 :Valentina T3 :Girija (Check)	Cauliflower	2	T1 : Days to curd formation:52 Days to 1 st harvesting:65	Satisfactory	Suitable for farther	T1:3.5 T2:3.4 T3:3.1

	varieties Carotina and Valentina in Chirang district				Average fruit weight (g):720 Yield (t/ha):19.4 T2: Days to curd formation:55 Days to 1 st harvesting:68 Average fruit weight (g):690 Yield (t/ha):18.6 T3: Days to curd formation:56 Days to 1 st harvesting:70 Average fruit weight (g);560 Yield (t/ha);15.1		interve ntion	
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9	Comparative assessment of high yielding French bean Var: Arka Arjun, and Arka Sukomal	Low yield of prevalent French bean varieties and occurrence of viral diseases	T1: Arka Arjun T2: Arka Sukomal T3: Arka Komal	French bean	4	<p>T1: Plant height(cm)- 39.2 cm Pod yield/ plant- 302.3 g Days to 1st flowering:43 Pod length : 14.6 cm Yield:13.9 t/ha Disease incidence:7.1 % Gross cost (Rs/ha)- 63500 Gross Return (Rs./ha)-208500 B:C Ratio- 3.3</p> <p>T2: Plant height(cm)- 142.6 cm Pod yield/ plant- 430.3 g Days to 1st flowering:54 Pod length : 19.2 cm Yield:19.8 t/ha Disease incidence:7.0 % Gross cost (Rs/ha)- 70000 Gross Return (Rs./ha)-273000 B:C Ratio- 4.2</p> <p>T3: Plant height(cm)- 37.8 cm Pod yield/ plant-274.6 g Days to 1st flowering:46 Pod length : 12.6 cm Yield:12.9 t/ha Disease incidence:7.1 % Gross cost (Rs/ha)- 64000 Gross Return (Rs./ha)-189000 B:C Ratio- 3.0</p>	Satisfactory	Suitable for farther intervention	T1:3.3 T2:4.2 T3:3.0
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Animal Science

10	Performance evaluation of layer chicken BV-380 in Chirang district	Low laying performance of chicken under farmers practice	T₁ : Performance of BV380 under deep litter system T₂ : Farmers practice- (Rainbow Rooster chicken) T₃ : Farmers practice- (Kamrupa chicken)	Chicken	8	Egg production at 1 st 3 month of laying per bird : 67 nos. as compare to Rainbow Rooster: 62 nos and Kamrupa birds: 58 nos.
11	Assessment of the impact of electrolytes on controlling heat stress condition in poultry.	Low body weight gain & less egg production due to heat stress	T1 : Feeding concentrate with electrolytes @ 1 g/2 litres of drinking water T2 : Feeding concentrate with aonla powder @ 2g/lit drinking water T3 : Farmers practice: (Feeding concentrates + watering)	Poultry	3	Avg. daily body wt gain at 2month of age (Temp.: 35.5 ⁰ C and relative humidity: 70%) for the month of September T ₁ : 8.7 g T ₂ : 8.5 g T ₃ : 6.5 g

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

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

3.2 Achievements of Frontline Demonstrations during 2022-23

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

List of technologies demonstrated during previous year and popularized during 2022-23 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	Sesamum	Cluster frontline demonstration of Sesamum, Var: Koliabor til	4	47	20 ha
2	Lentil	Technology Showcasing of Lentil Var: pl-9	3	26	15.0 ha
3	Lentil	Technology demonstration under Cluster FLD lentil, Var: PL-9	5	50	20 ha
4	Vermicompost	Production of vermicompost in low cost vermicompost unit	6	25	25 units
5	Toria	Cluster demonstration of toria Var: TS-38	11	108	50 ha
6	Field Pea	Cluster demonstration of pea under cluster FLD Var: Aman	5	74	20 ha
7	Blackgram	Cluster demonstration of blackgram under cluster FLD Var: PL-02-43	6	52	20 ha
8	Blackgram	ICM of Blackgram under NEH Programme Var: PL-02-43	6	52	20 ha

*** 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)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
Agronomy														
1	Rice	Varietal performance	Certified seed production of submergence tolerant rice variety Ranjit Sub-1	Kharif, 2022	2.0	2.0	1	6	7	NA	Rainfed, medium land	385	26.58	138.5
2	Rice	Varietal performance	Popularization of medium duration rice (var. Numoli) – lentil (var. PL-9) cropping sequence	Kharif, 2022	5.0	5.0	2	3	5	NA	Rainfed, Upland	350	21.20	140.5
3	Rice	Varietal performance	Performance of Sali rice variety Surma Dhan	Kharif, 2022	0.5	0.5	0	2	2	NA	Rainfed, medium land	380	26.50	134.5
4	Rapeseed	Seed production	Certified seed production of toria var: TS-38	Rabi 2022	2.0	2.0	1	4	5	NA	Rainfed, Upland	350	21.20	140.5
5	Buckwheat	ICM	Integrated crop management of buckwheat in rice-buckwheat sequence	Rabi 2022	2.0	2.0	3	2	5	NA	Rainfed, upland	421	22.03	148
Soil Science														
6	Rice	Nutrient management	Response of rice to zinc solubilizing bacteria for zinc nutrition	Kharif 2022	2.0	2.0	1	4	5	NA	Rainfed	385	25.09	144
7	Rapeseed	Nutrient management	Nutrient management in rapeseed	Rabi 2022	2.0	2.0	0	5	5	NA	Rainfed	352	24.09	148
Horticulture														
8	Tomato	Varietal evaluation	Popularization of disease resistant tomato variety Arka Abhed in Chirang district	Rabi 2022	0.13	0.13	1	3	4	NA	Rainfed	220	15.67	138

9	Pumpkin	Varietal evaluation	Popularization of pumpkin variety Arjuna F1 in farmers field.	Rabi 2022	0.26	0.26	1	3	4	NA	Rain fed	287.5	25.58	133
10	Assam lemon	ICM	Demonstration of Assam lemon for bari development at farmers field	Kharif/Rabi 2022	1.0	1.0	6	1	7	NA	Rainfed	352	24.09	148
Plant Protection														
11	Banana	Biological management	Determination of efficacy of non-woven poly propylene 17 GSM bunch bag for controlling fruit scarring beetle in Banana	Kharif/Rabi 2022	1.0	1.0	1	2	3	NA	Rainfed	220	15.67	138

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	2.0	34.2	32.0	6.8%	40.0	25.0	No. of Eff. Tiller/ hill-11 No. of Eff. Tiller/ sq m-242	No. of Eff. Tiller/ hill-9 No. of Eff. Tiller/ sq m-210	37500	102600	65100	2.7	36000	96000	60000	2.6
2	Rice , Lentil	Varietal performance	Rice: 5.0	29.0	27.5	5.45%	34.0	25.0	Pl. ht:114 cm No. of effective tillers/sq m:244	Pl. ht:114 cm No. of effective tillers/sq m:244	32000	58000	26000	1.81	31000	55000	24000	1.7
			Lentil :	7.6	6.2	22.58%	8.1	5.7	Pl hh:23.8 cm No. of primary branch:3 No. of pod/pl:45	Pl hh:20.5 cm No. of primary branch:3 No. of pod/pl:34	22500	49400	26900	2.2	21200	40300	19100	1.9
3	Rice	Varietal performance	0.5	53.2	50.1	6.18%	54.5	45.5	Pl. ht:126.5 cm No. of effective tillers/sq m:308	Pl. ht:114.6 cm No. of effective tillers/sq m:264	36000	79800	43800	2.2	36000	75150	39150	2.0
4	Rapeseed	Seed production	2.0	8.8	5.1	72.54%	9.0	4.7	pl ht- 94.5 cm, No. of siliqua/pl-54	pl ht- 89.8 cm, No. of siliqua/pl-38	25000	83600	58600	3.3	23500	48450	24500	2.06

5	Buckwheat	ICM	2.0	8.6	6.6	30.30%	8.9	6.0	Pl hh:88 cm No. of primary branch:4	Pl hh:72 cm No. of primary branch:3	20000	43500	23500	2.18	18500	33000	14500	1.78	
Soil Science																			
6	Rice	Nutrient management	2.0	45.7	43.3	5.3%	47.0	40.5	Plant Height (cm):119 Tiller /hill (nos) :17 Effective Tiller /hill (nos) :14 Grains per panicle (nos):198	- Plant Height (cm):116 Tiller /hill (nos) :16 Effective Tiller /hill (nos) :13 Grains per panicle (nos):197	36500	68550	32050	1.87	36000	64950	28950	1.80	
7	Rapeseed	Nutrient management	2.0	9.6	8.5	16.47%	9.8	7.5	-	-	25500	57600	32100	2.25	24000	51000	27000	2.12	
Horticulture																			
8	Tomato	Varietal evaluation	0.13	83.6	70.4	18.75%	92.0	60.0	Pl. height: 88.67cm Fr/p=120 no Avg. F rwt=72.4kg	Pl. height: 80.33cm Fr/p=90 no Avg. F wt=55.7kg	120000	668800	548000	5.6	120000	563200	443200	4.7	
9	Pumpkin	Varietal evaluation	0.26	195.5	108.8	79.68%	240.0	90.0	ongoing		52500	234600		4.5	40000	130560		3.3	
10	Assam lemon	ICM	1.0						ongoing	-	-	-	-	-	-	-	-	-	
Plant Protection																			
11	Banana	Biological Management	1.0	535.5	347.5	541%	540.0	333.0	Scarring intensity (%) : 1	Scarring intensity (%) :6.86	50000	282000	232000	5.7	37000	188480	151480	5.0	

*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	Date	Number of participants	Remarks
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		organized		Gen	SC/ST	Total	
1	Field days	4	25.11.2022, 15.02.2023, 17.03.2023, 17.03.2023	22	119	141	
2	Farmers Training	7	15.10.2022, 13.12.2022, 11.01.2023, 12.01.2023, 30.01.2023, 06.02.2023, 04.03.2023,	109	69		
3	Media coverage (Cluster FLD on pulse and lentil)	-					-
4	Training for extension functionaries	-					-
5	Any other (Pl. specify)	-					
	Total						

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
							Dem o	Check		D e m o	Check	GC **	GR **	NR **	BC R* *	GC	GR	
1	Piggery	Varietal evaluation	Rearing of crossbreed Hampshire pig	3	3	9	Avg. body weight at 3 rd month ;21.2kg Avg. body weight at 4 th month ;27.5kg Avg. body weight at 5 th month ;30.6kg Avg. body weight at 6 th month : 43.5 kg										Avg. body weight at 3 rd month ;11.5kg Avg. body weight at 4 th month ;17.2kg Avg. body weight at 5 th month ;20.4kg Avg. body weight at 6 th month : 28.3kg	

							Litter size at birth: 8 nos. B:C Ratio: 2.1:1	
2	Chicken	Backyard rearing	Backyard rearing of Vanraja as dual purpose chicken	8	8	200	Body weight at 1 month-300g, at 2 month-480g, at 3 month-940g, at 4 month – 1.6kg, at 5 month-2.2kg, 6 th month-2.9 kg, 7 th month-3.15 kg Age at 1 st lay : 152 days, Av weight of egg at 1 st month of lay- 44.5g, Sale price of male bird for meat- Rs. 350/- per kg live weight, B:C ratio for egg and meat production: 2.6:1	
3	Chicken	Backyard rearing	Backyard rearing of Rainbow rooster as dual purpose chicken	8	8	280	Body weight at 0 days-30 g, at 1 month-360 g, at 4 month – 1.7 kg, at 5 th month- 2.250kg at 6 month – 2.375kg. Age at 1 st lay : 148 days, Avg egg weight at one month of lay-50.4 g Egg production at 1 st 3 month of laying per bird: 62 eggs/ bird, Mortality rate during brooding: 5% at artificial brooding	
4	Goat	Goat rearing	Rearing of Assam Hill goat for livelihood security	3	3	9	Av. Age at 1 st kidding- 15 month, Av. Kid weight at birth- 900g, kid mortality rate- 0%, Selling price of kid at 3-4 month of age- Rs. 3000/-	
5	Duck	Duck rearing	White pekin duck rearing for income generation	3	2	250	Body weight at 0 day-52.5 g, at 1 week-160.2g, at 2 week-360g, at 4 week – 1001g, at 5 week-1260g, at 6week -2010 g, at 8 week-2570g, Total feed intake upto 2 month- 11.8kg, FCR: 4.21, Survivability: 100%, Dressing % (skin intact with carcass)- 70.55%	

**** 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		GC*	GR**	NR*	BCR*	GC	GR	NR	BCR			
Soil Science																			
1	Vermicompost	Organic input	Production of vermicompost in low cost vermicompost unit	10	10	9.5 q/unit	NA		-	-	3000	9500	6500	3.1	-	-	-	-	
Plant Protection																			
2	Eri Worm	Insect management	Protection of eri worm against insect through mosquito net for better quality and higher production	30	30	89.12 kg/100 g larvae	60.12kg /100 g larvae	33.26 %	Larval duration-23 days Infestation-5%	Larval duration-32 days 30 days Infestation-18%	51300	29000	238700	5.6	48000	24000	19200	5.0	
3	Mushroom	Mushroom production	Mushroom Cultivation for economic upliftment	5	5	2.3 kg/bag	-	-	-	-	50	345	295	6.9	-	-	-	-	-
4	Honey bee	Beneficial insect		10	10	Average honey production 18 kg/Bee hive per year (@500 per kg honey)	-	-	-	-	3000	9000	6000	3.0	-	-	-	-	-

**** 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-38	108	50.0	10 cluster	8.7	24189	39157	14968	1.62
2	Sesamum	Koliabor Til	47	20.0	5 cluster	6.4	19500	64000	44500	3.2
Pulse										
3	Blackgram	IPU-02-43	55	20.0	5 cluster	6.0	21500	39000	17500	1.81
4	Lentil	PL-9	50	20.0	5 cluster	8.4	22500	54600	32100	2.42
5	Field pea	Aman	74	20.0	5 cluster	9.8	26500	49000	22500	2.8

h. Extension activities under CFLD

Sl. No.	Particulars	Date	Participants		
			SC/ST	OBC/General	Total
1	Training on scientific cultivation of sesamum under CFLD	02.11.2022	16	9	25
2	Field day on Sesamum under CFLD	25.11.2022	1	20	20
3	Training on plant protection and post harvest technology of toria under CFLD	11.01.2023	2	19	21
4	Training on plant protection and post harvest technology of toria under CFLD	12.01.2023	26	8	34
5	Field day on CFLD of rabi oilseed toria	15.02.2023	35	1	36
6	Training on scientific cultivation of Blackgram under CFLD	15.10.2022	11	6	17
7	Training on improved production improved production technology of lentil under CFLD	13.12.2022	24	0	24
8	Training on improved production improved production technology of field pea under CFLD	30.01.2023	4	21	25
9	Training on IPM and post harvest management of lentil under CFLD	06.02.2023	1	29	30
10	Training on Scientific production and management of field pea under CFLD	04.03.2023	0	25	25
11	Field day on CFLD on pulse-lentil	17.03.2023	39	0	39

1. 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
3	Blackgram	IPU-02-43	50	20.0	6.0	21500	39000	17500	1.81

j. Technology Showcasing

Sl. No.	Crop	Variety	Number of farmers	Area (ha)	Avg.Yield/ha	Gross cost	Gross Return	Net Return	B:C Ratio
1	Lentil	PL-9	26	15	9.6	22500	62400	39900	2.77

k. Bamboo Nursery under State Bamboo Mission:

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

I. Training cum awareness programme under AICRP on tuber crop

Topic	Date	Location	No. of trainee
Training programme on production and distribution of tuber crop planting material	26.05.2022	KVK Chirang	43
Training programme on production and distribution of tuber crop planting material	04.06.2022	KVK Chirang	37
Training programme on scientific cultivation of tuber crops	10.06.2022	KVK Chirang	26
Training programme on scientific cultivation of tuber crops	17.08.2022	KVK Chirang	28
Training programme on scientific cultivation of tuber crops	22.08.2022	KVK Chirang	25

m..Training under Bio-tech Krishi Innovation Science Application Network, Bodoland University, Kokrajhar

Topic	Date	Location	No. of trainee
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	22/11/2022 23/11/2022	Laoripara	30
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	28/11/2022 29/11/2022	Dipu	30
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	30/11/2022 01/12/2022	Jwangmapur	31
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	15/12/2022 16/12/2022	Bangaldoba	30
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	03/01/2023 04/01/2023	Bhatipara	31
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	05/01/2023 06/01/2023	Sapkata	31
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	07/01/2023 08/01/2023	Goglapara	34
Farmer`s skill development training on Mushroom cultivation in Chirang district of Assam	09.01.2023 10.01.2023	1 no. Bari para	31

n. Demonstration Under Bio-tech Kisan Science Application Network, Bodoland University, Kokrajhar

Demonstration	Location	No. of participants
Scientific cultivation of Mushroom in Chirang district of Assam	Lawripara	4
Scientific cultivation of Mushroom in Chirang district of Assam	Dipu	4
Scientific cultivation of Mushroom in Chirang district of Assam	Jwangmapur	4
Scientific cultivation of Mushroom in Chirang district of Assam	Bangaldoba	4
Scientific cultivation of Mushroom in Chirang district of Assam	Batipara	4
Scientific cultivation of Mushroom in Chirang district of Assam	Sapkata	4
Scientific cultivation of Mushroom in Chirang district of Assam	Goglapara	4
Scientific cultivation of Mushroom in Chirang district of Assam	I no. boripara	4
Scientific cultivation of Mushroom in Chirang district of Assam	Sudempara	4
Scientific cultivation of Mushroom in Chirang district of Assam	Thaikajhora	4

o. Demonstration on mushroom production under Biotech-KISSAN PROGRAMME of TERI implemented by KVK, Chirang

Demonstration	Location	No. of participants
Demonstration of Mushroom Production at farmers Level through Demo Unit	Maoujjhora	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Lauripara	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Kashikotra	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Tengnabari	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Panbari	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Subaijhar	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Khagrabari	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Ulubari	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Kungrajhora	2
Demonstration of Mushroom Production at farmers Level through Demo Unit	Taktara	2

p. Demonstration programme on value addition of mushroom under TERI implemented by KVK, Chirang

Demonstration	Location	Date	No. of participants
Demonstration on value addition of mushroom at farmer's level	Khagrabari	10.03.2023	4

		*)						+c)	b	
		(+d)
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems	1	0	1	24	0	6	0	30	0	80	6	0	0	14	0	32	0	12	0	44	0	44
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of organic inputs																						
II. Horticulture																						

Crop Diversification	1	0	1	15	0	5	0	20	0	0	0	0	0	0	0	15	0	5	0	20	0	20
Integrated Farming																						
Water management	1	0	1	0	0	0	0	0	0	11	0	9	0	20	0	11	0	9	0	20	0	20
Seed production																						
Nursery management																						
Integrated Crop Management	2	0	2	16	0	14	0	30	0	6	0	5	0	5	0	22	0	19	0	41	0	41
Post harvest management	1	0	1	5	0	16	0	21	0	0	0	0	0	0	0	5	0	16	0	20	0	20
Contingency planning																						
Natural Farming	1	0	1	0	0	0	0	0	0	24	0	0	0	24	0	24	0	0	0	24	0	24
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	4	0	4	5	0	14	0	19	0	21	0	58	0	79	0	26	0	72	0	98	0	98
Off-season vegetables																						
Nursery raising	1	0	1	23	0	3	0	26	0	0	0	0	0	0	0	23	0	3	0	26	0	26

Protection re	sericulture and its processing				women										
Plant protection	Bee keeping	Scientific bee keeping	21.12.2022, 22.12.2022	2	KVK Chirang	Farmer & Farm women	7	1	8	11	6	17	18	7	25
Agri economics	Market management	Marketing of agricultural and horticulture produce	20.09.2022	1	KVK, Chirang	Farmer & Farm women	4	3	7	9	12	21	13	15	28
TOTAL							35	10	45	51	79	130	86	89	175
Rural Youth															
Animal Science	Piggery	Entrepreneurship development through pig farming	01.02.2023 to 04.02.2023	4	KVK Chirang	Rural youth	1	0	1	6	4	10	7	4	11
Agricultural Economics	Employment generation	Income generation from oyster mushroom cultivation	23.11.2022	1	KVK Chirang	Rural youth	1	1	2	14	9	23	15	10	25
TOTAL							2	1	3	20	13	33	22	14	36
EF and NGO Personnel															
Agronomy	Crop planning	Mitigation of extreme weather through suitable contingency crop plan	14.10.2022	1	KVK Chirang	EF	0	10	10	0	10	10	10	10	20
TOTAL							0	10	10	0	10	10	10	10	20

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	Cropping system	Cropping practices for marginal and dryland situation in Chirang district	10.08.2022	1	Mangalgaon	Farmer & Farm women	15	5	20	0	0	0	15	5	20
Agronomy	Water management	Technique of rain water harvesting and its utilization	23.09.2022	1	West Khamarpara	Farmer & Farm women	0	0	0	11	9	20	11	9	20
Agronomy	Crop production	Cultivation of kharif blackgram in Chirang district	27.09.2022	1	Ayepuwali no.2	Farmer & Farm women	9	1	10	6	5	11	15	6	21
Agronomy	Post harvest management	Storage technique of pulse crops	11.10.2022	1	Bilaspur	Farmer & Farm women	5	16	21	0	0	0	5	16	21
Agronomy	ICM	Improved production technology of rabi pulse crop	04.02.2023	1	Silikhaguri	Farmer & Farm women	7	13	20	0	0	0	7	13	20
Agronomy	Natural farming	Natural farming: prospect and practices	14.02.2023	1	Pub makra	Farmer & Farm women	0	0	0	24	0	24	24	0	24
Horticulture	Nursery management	Nursery raising of rabi vegetables	19.09.2022, 20.09.2022	2	Odalguri	Farmer & Farm women	23	3	26	0	0	0	23	3	26
Horticulture	Crop production	Preparation of nutrition garden	29.09.2022		Kulung	Farmer & Farm women	2	1	3	6	11	17	8	12	20
Horticulture	Crop production	Advanced production technology of high value vegetable crops and their management	07.09.2022, 09.09.2022	2	West Khamarpara	Farmer & Farm women	0	0	0	12	16	28	12	16	28
Horticulture	Crop production	Advanced production technology of high value vegetable crops and their management	20.10.2022, 21.10.2022	2	Kadamtala	Farmer & Farm women	3	13	16	3	6	9	6	19	25
Horticulture	Crop diversification	Crop Diversification in sand silt deposited area	10.11.2022, 11.11.2022	2	Taktara	Farmer & Farm women	0	0	0	0	25	25	0	25	25
Horticulture	Natural farming	Awareness programme on natural farming	19.12.2022	1	Duturi	Farmer & Farm women	12	8	20	0	1	1	12	9	21
Horticulture	Crop production	Intercropping of vegetable in coconut and arecanut based cropping system	20.12.2022	1	Barpathar	Farmer & Farm women	0	25	25	0	0	0	0	25	25
Horticulture	Crop production	Scientific cultivation and rejuvenation of declining khashi mandarin plants	03.03.2023	1	Bengtol	Farmer & Farm women	1	25	26	0	0	0	1	25	26
Plant Protection	IDM	Integrated disease management in banana	05.09.22	1	Pub Ankorbari	Farmer & Farm women	16	9	25	0	0	0	16	9	25
Plant Protection	IPM	Biological control of rice insect pest and disease	15.10.2022	1	Kuklung	Farmer & Farm women	4	6	10	4	11	15	8	17	25
Plant Protection	IPM	Integrated pest management in Sali rice	21.10.2022	1	Champawati	Farmer & Farm women	23	2	25	0	0	0	23	2	25

Plant Protection	IPM	Integrated pest management in pulse crop	08.06.2022	1	Jwalabari	Farmer & Farm women	0	0	0	6	19	25	6	19	25
Plant protection	IPM	Integrated pest management in oilseed crop	07.11.2022	1	Kungkhrajhora	Farmer & Farm women	0	0	0	0	25	25	0	25	25
Plant Protection	IDM	Integrated disease management in late blight of potato	21.11.2022	1	4 No. Moinaguri	Farmer & Farm women	4	5	9	6	12	18	10	17	27
Plant Protection	IPM	Recent advance in pest and disease management	01.03.2023	1	Majrabari	Farmer & Farm women	8	18	26	0	0	0	8	18	26
Soil Science	Organic farming	Production of organic inputs – vermicompost, enriched compost and their utilization in crop field	21.05.2022	1	Kuklung	Farmer & Farm women	0	3	3	8	14	22	8	17	25
Soil Science	Organic farming	Production of organic inputs for organic farming	08.07.2022	1	Santipur	Farmer & Farm women	10	4	14	7	4	11	17	8	25
Soil Science	Soil testing	Soil testing and its importance in crop production	28.08.2022	1	Dhaladonda	Farmer & Farm women	0	2	2	5	22	27	5	24	29
Soil Science	Soil and water conservation	Soil and water conservation in dry land farming	04.08.2022	1	Subaijhar	Farmer & Farm women	0	0	0	0	25	25	0	25	25
Soil Science	INM	Integrated nutrient management	09.11.2022	1	Bhatopara	Farmer & Farm women	0	0	0	19	3	22	19	3	22
Animal Science	Disease management	Parasitic infestation and their management in livestock	14.06.2022	1	Pub Khamarpara	Farmer & Farm women	11	11	22	2	1	3	13	12	25
Animal Science	Dairy management	Feeding management of Dairy animals	11.07.2022	1	Duligaon	Farmer & Farm women	5	0	5	20	0	20	25	0	25
Animal Science	Disease management	Bio security measure in farm premises	08.09.2022	1	Dakhin Makra	Farmer & Farm women	0	7	7	3	20	23	3	27	30
Animal Science	Livestock management	Scientific management of sheep and goat	14.09.2022	1	Thaikajhora	Farmer & Farm women	1	0	1	12	10	22	13	10	23
Animal Science	Livestock management	Care and management of pregnant animal	09.03.2023	1	Kungkhrajhora	Farmer & Farm women	12	9	21	2	3	5	14	12	26
Agricultural Economics	Marketing	Market led extension and information networking among farmers	24.08.2022	1	Bijni	Farmer & Farm women	12	10	22	2	1	3	14	11	25
Agricultural Economics	Insurance	Importance of crop insurance to farmers	29.09.2022	1	Runikhata	Farmer & Farm women	6	1	7	3	15	18	9	16	25
Agri economics	Market management	Marketing of agricultural and horticulture produce	18.11.2022	1	Dipu	Farmer & Farm women	13	11	24	1	0	1	14	11	25
Agricultural Economics	Insurance	Importance of crop insurance to farmers	19.11.2022	1	Hatipota	Farmer & Farm women	24	1	25	0	0	0	24	1	25
Agricultural Economics	Mushroom cultivation	Income generation from oyster mushroom.	13.12.2022	1	Kungkhrajhora	Farmer & Farm women	5	18	23	1	1	2	6	19	25

							231	227	458	163	259	422	394	486	880
Rural Youth															
Agronomy	Resource conservation	Resource conservation and sustainable cropping practices	08.09.2022	1	Kathalguri	RY	17	3	20	0	0	0	17	3	20
Agronomy	ICM	Improved production technology of rabi oilseed crops	20.02.2023	1	Pub Makra	RY	0	0	0	20	0	20	20	0	20
Horticulture	Cropping system	Scientific cultivation of multistoried cropping system and bari development	20.07.2022, 21.07.2022	2	Barpathar	RY	0	1	1	2	23	25	2	24	26
Horticulture	Nursery management	Nursery raising of rabi vegetables	27.09.2022, 28.09.2022	2	Kuklung	RY	5	6	11	9	8	17	14	14	28
Soil Science	INM	Nutrient management in fruit and vegetables	28.09.2022, 29.09.2022	2	Amlaiguri	RY	7	0	7	18	0	18	25	0	25
Soil Science	Soil conservation	Soil health management	17.10.2022, 19.10.2022	2	Gargaon	RY	0	0	0	25	0	25	25	0	25
Soil Science	Natural farming	Sustainable crop production through zero budget natural farming	02.11.2022, 11.11.2022	2	Rangijhora	RY	15	2	17	7	0	7	22	2	24
Animal Science	Livestock management	Balanced feed preparation for livestock	04.11.2022	1	Jaoliabari	RY	23	2	25	0	0	0	23	2	25
Animal Science	Disease management	Zoonatic disease of livestock and their importance	14.11.2022	1	Dababil	RY	14	9	23	1	5	6	15	14	29
Animal Science	Brooding management	Brooding management in poultry farm	23.11.2022	1	Sidli	RY	0	0	0	3	20	23	3	20	23
Animal Science	Pig rearing	Scientific pig farming	01.12.2022, 03.12.2022	2	Deosiri	RY	4	10	14	5	9	14	9	19	28
Agricultural Economics	Food processing	Rural women on processing of bari products	26.09.2022	1	Dipu	RY	23	0	23	2	0	2	25	0	25
Agricultural Economics	Employment generation	Employment generation through agriculture and allied sector	30.09.2022	1	Thaikajhora	RY	0	0	0	6	21	27	6	21	27
Agricultural Economics	Employment generation	Employment generation through agriculture and allied sector	22.11.2022	1	Thaikajhora	RY	2	1	3	11	11	22	13	12	25
TOTAL							110	34	144	109	97	206	219	131	350
EP and NGO Personnel															
Agricultural Economics	FPO	Formation and management of farmers producer organization	03.09.2022	1	Borgaon	EF	11	11	22	3	0	3	14	11	25
Agricultural Economics	FPO	Formation and management of farmers producer company	14.12.2022	1	Durgapur	EF	4	19	23	1	1	2	5	20	25
TOTAL							15	40	55	4	1	5	19	31	50

(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			Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise		
					M	F	T	M	F	T	M	F	T						
--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*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	06.04.2022 , 07.04.2022	2 days	Plant protection	Bee keeping	District level workshop on Scientific bee keeping	30	16	46	24	0	24	54	16	70	Institute of cooperative management	NA
Total							30	16	46	24	0	24	54	16	70		

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 2022-23

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, 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.	05.04.22,20.04.22,26.04.22,10.05.22,18.05.22,26.05.22,18.06.22,23.06.22,30.06.22,06.07.22,12.07.22,20.07.22,25.07.22,29.07.22,05.08.22,12.08.22,25.08.22,26.08.22,27.08.22,29.08.22,31.08.22,01.09.22,05.09.22,14.09.22,21.09.22,23.09.22,24.09.22,28.09.22,29.09.22,01.10.22,05.10.22,08.10.22,12.10.22,13.10.22,15.10.22,20.10.22,21.10.22,29.10.22,30.10.22,31.10.22,02.11.22,09.11.22,10.11.22,12.11.22,23.11.22,26.11.22,28.11.22,01.12.22,07.12.22,09.12.22,16.12.22,17.12.22,19.12.22,21.12.22,26.12.22,29.12.22,31.12.22,04.01.23,11.01.23,18.01.23,19.01.23,28.01.23,30.01.23,01.02.23,04.02.23,08.02.23,	66	87	81	168	78	65	143	5	2	7	165	146	311

22	TV Talk	At DD Guwahati	25.05.2022	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Awareness Camp	Awareness camp on Natural farming, AICRP ON Tuber crop, Soil Health	23.12.2022,12.01.2023, 13.01.2023, 20.01.2023,01.02.2023, 06.02.2023, 07.02.2023,08.02.2023, 15.02.2023, 27.02.2023,04.03.2023, 09.03.2023, 20.03.2023,23.03.2023, 26.05.2022, 04.06.2022,10.06.2022, 17.08.2022, 22.08.2022,12.05.2022, 19.07.2022, 01.02.2023,22.04.2022	23	71	67	138	90	62	152	5	2	7	161	129	290
24	Awareness camp Mobile Agro-Advisory (Message / Beneficiaries)	SMS on different problems, prospect and solutions on agriculture and allied sectors	14.07.2022,08.07.2022, 06.08.2022, 15.10.2022,16.11.2022, 03.12.2022, 06.01.2023,07.01.2023, 18.02.2023	21	5608	2243	7851	4206	1964	6170	4	2	6	9814	4207	14021
25	Method Demonstration	Component preparation of natural farming, Production of Oyster Mushroom, Pheromone trap, Preparation of low cost vermin compost, Bee keeping,	02.03.2023, 15.03.2023, 17.03.2023, 24.03.2023, 28.03.2023	5	5	60	65	30	32	62	5	2	7	35	92	127
26	Scientists visit to farmers fields	For FLD, OFT, Training, CFLD, Natural farming, Technology showcasing etc.	On different dates	155	125	70	195	95	85	180	7	2	9	220	155	375
27	Workshop/ Seminar			0	0	0	0	0	0	0	0	0	0	0	0	0
28	Soil Testing	Number of Soil sample	29.09.2022,	24	26	0	26	85	0	85	1	0	1	111	0	111

	(Please specify)															
Grand Total			1427	6995	3284	10468	6195	3065	9260	231	157	381	13409	6369	19778	

3.5 Production and supply of Technological products during 2022-23

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	50.0	200000.00	2	4	6
	Rice	Numoli	50.0	200000.00	0	5	5
OILSEEDS	Toia	TS-38	16.0	128000.00	2	3	5
PULSES							
VEGETABLES	-	-	-	-	-	-	-
FLOWER CROPS	-	-	-	-	-	-	-
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2022-23 :

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	10.0	400000.00	2	9	11
2	OILSEEDS	1.6	128000.00	2	3	5
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		11.6	528000.0	4	12	16

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	0.006	42000.00	10	5	15

C1. SUMMARY of production of bio-products during 2022-23

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 (<i>Eisenia foetida</i>)	12	204.82	28316.00.00	4	6	11
3	BIO PESTICIDE	-	-	-	-	-	-	-
	TOTAL	-	12	204.82	28316.00.00	4	6	11

D. Production of livestock during 2022-23:

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
2	Poultry	Vanaraja, RR	-	69	23814.00	5	10	15
3	Poultry egg	Vanaraja, RR	197	-	2070.00	9	2	11
4	Quail	Japanese Quail	24	-	1440.00	2	5	7
5	Quail Egg	Japanese quail	754	-	2262.00	3	5	8
6	Others (Specify							

D1. SUMMARY of production of livestock during 2022-23:

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
2	Poultry	Vanaraja, RR	-	69	23814.00	5	10	15
3	Poultry egg	Vanaraja, RR	197	-	2070.00	9	2	11
4	Quail	Japanese Quail	24	-	1440.00	2	5	7
5	Quail Egg	Japanese quail	754	-	2262.00	3	5	8

6	Others (Specify							
	Total		993	69	109586.00	21	26	47

3.6. Literature Developed/Published (with full title, author & reference) during 2022-23

(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 (Abstract)	Abstract on "Effect of fusicont for management of Fusarium wilt in banana var. Malbhog in Chirang district of Assam" published in Indian Phytopathological Society (NEZ) Zonal Symposium and	Juri Talukdar	1
Training manuals	Prakritik Krishir Hatputhi	Poran Kishore Dutta, Dr. Chandan Kumar Deka, Dr. Prasann Kumar Pathak, Dr. Manoranjan Neog, Mahesh Kalita, Mandakini Bhagawati, Rajib Bhandar Kayastha, Dr. Pompei Deka, Dr. Mrinal Choudhury, Dr. Rupak Kumar Nath, Dr. Ranjit Kumar Saud, Dr. Hiranya Kumar Baruah, Juri Talukdar, Ratul Das, Sailen Talukdar	400
Technical Report			
Book/ Book Chapter			
Popular articles			-
Technical bulletins			
Conference/ workshop proceedings			
Leaflets/folders			
e-publications			
Any other (Magazine)			

TOTAL			
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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	-	-	-

3.7 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)

Progressive Farmer Sukur Ali of Bijni Sub division:

Name of KVK	KVK, Chirang
Crop and Variety	Crop: Tomato Variety: Arka Abhed
Name of farmer & Address	Sukur Ali Village: Alengmari, P.O: Bagorgaon District: Chirang (BTAD), Assam Ph: 9957371491
Background information about farmer field	Md. Ali a small farmer of Chirang district has a land holding of 2.0 ha. He used to grow rice, blackgram, Maize, toria, vegetables and jute according to land situation during throughout season. After harvesting the Kharif crops, he used some areas for cultivation of rabi crops viz-rapeseed, lentil and vegetables. The soil condition is mostly sandy loam and rainfed. Md. Sukur Ali cultivates tomato in rabi season in his upland fields under rainfed condition with scientific production technology.
Details of technology demonstrated	The technology demonstrated was the scientific method of cultivation that included the use of high yielding and multiple disease resistant variety (Arka Abhed), application of recommended dose of fertilizer.
Institutional Involvement	The demonstration was conducted with active involvement of KVK Chirang. The critical inputs viz- seed, fertilizer, pesticides etc were provided by KVK. Also Training and diagnostic field visit etc were carried out by KVK.
Success Point	Earlier the farmer, Mr. Sukur Ali used to grow local tomato in traditional method. He used locally available

	varieties which are very much prone to pest and diseases. No recommended dose of fertilizer was also followed. As a result yield was very low. But, due to intervention of KVK, Chirang in respect of HYV, scientific method of production, INM, IPM, training, diagnostic service the yield of the crop increased significantly.
Farmer Feedback	Sukur Ali is very happy and satisfied with the achievement of technology demonstrated by KVK, Chirang. He found the variety highly productive and highly demanded in the market. He showed his field to other farmers of nearby villages and motivated them to accept the technology. He is further interested to cover more area under this variety of tomato.

Performance of technology vid-a-vis local check:

Specific Technology	Yield t/ha	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	70.5	120000	564000	441800	4.6
Demonstration	94.8	122200	758400	638400	6.3
% Increase	34%	18%	34%	44%	



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 : 89
- iii. No. of survey/PRA conducted :1

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 (2022-23) :

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	24	111	4	NIL

1. Details of Soil Health Cards (SHCs) (2022-23)

- No. of SHCs prepared :111
- No. of farmers to whom SHCs were distributed : 111
- Name of the Major and Minor nutrients analysed : N, P, K, B, Zn, Fe, S
- No. of villages covered :4
- 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 Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	10	6397	3	79	-	-	-	-	1	128	1	28	15	6632
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	6397	3	79	-	-	-	-	1	128	1	28	15	6632

3.14 Contingency planning for 2022-23

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)	240	470	710
Flood and drought	Introduction of Resource Conservation Technologies	Training programme on Resource Conservation Technologies	200	300	500
Flood and drought	Distribution of seeds and planting materials	Rice seedlings, pulse and oilseed crops	500	492	992
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	700 birds, 100 piglets	2	2	600	60	110	170

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 <i>Sali</i> rice var. Ranjit Sub-1, TTB-404, Shraboni etc.with modern cultivation technology viz. time of sowing & transplanting, seed	570	25%	21,600.00/ha	50,200.00/ha

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 <i>Sali</i> 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)
Cluster frontline demonstration of Sesamum, Var: Koliabor til	47	15%	20000.00/ha	40000.00/ha
Technology Showcasing of Lentil Var: PL-9	26	20%	15000.00/ha	30000.00/ha
Technology demonstration under Cluster FLD lentil, Var: PL-9	50	15%	15,000.00/ha	30000.00/ha
Production of vermicompost in low cost vermicompost unit	25	29%	10,000.00/tank	20000.00/ha
Cluster demonstration of toria Var: TS-38	108	21%	25000.00 / ha	35000.00/ha
Cluster demonstration of pea under cluster FLD Var: Aman	74	23%	45000.00/ha	60000.00 /ha
Cluster demonstration of blackgram under cluster FLD Var: PL-02-43	52	7%	10000.00/ha	25000.00 /ha
ICM of Blackgram under NEH Programme Var: PL-02-43	52	5%	10000.00 /ha	25000.00/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

	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> i) Preparation of Impact point for BTAD at Bimonthly Zonal Workshop
3. Department of Veterinary, Chirang	<ul style="list-style-type: none"> i) Association KVK scientist as resource person ii). Collaborative training programme organization
4. DICCC, Chirang	<ul style="list-style-type: none"> i) Entrepreneurship development through training
5. RSETI, SBI, Kajalgaon	<ul style="list-style-type: none"> i) Organization of vocational training programmes for self-employment of Rural Youths
6. NABARD	<ul style="list-style-type: none"> i) Involvement of KVK scientists as resource person in training programmes
7. DRDA	<ul style="list-style-type: none"> i) Involvement of KVK scientists as resource person in training programmes
8. SIRD, Khanapara	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> i). Organization of sponsored training programme ii). Association KVK scientist as resource person
10. Department of Fishery Science, Chirang	<ul style="list-style-type: none"> i). Organization of sponsored training programme ii). Association KVK scientist as resource person
11. Petroleum Conservation Research Agency, Ghy.	<ul style="list-style-type: none"> i). Organization of sponsored training programme ii). Association KVK scientist as resource person iii) Conducting workshop
12.KASS and NASS	<ul style="list-style-type: none"> i) Organization of training programmes ii) Technology demonstration cum seed production ofMaize,
13. NGO 'SeSTA'	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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
16. Rosy SHG	ii) FLD Programme on oilseed and pulse crop
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 2022-23

Name of the Scheme	Activity	Date/Month of initiation)	Funding agency	Amount (Rs)
KISSAN MELA	Exhibition	2022-23	ATARI	100000.00
CFLD kharif pulse	FLD	2022	ATARI	103680.00
CFLD kharif oilseed	FLD	2022	ATARI	10000.00
KISAN SANMAN SANMELAN	Kisan Sanman	2022	ATARI	92684.00
SWACHATA ACTION PLAN	Swachata	2022	ATARI	45000.00
NATURAL FARMING		2022	ATARI	263032.00

	Training, Demo etc			
CFLD RABI OILSEED	FLD	2022	ATARI	85000.00
CFLD RABI PULSE	FLD	2022	ATARI	Nil
IIPR NEH	Demonstraion	2022	ATARI	125000.00
INTEGRATED FARMING FOR PRODUCTIVITY IMPROVEMENT	Integrated farming	2022	AICRP	60000.00
AICRP ON TUBER CROPS	Scientific cultivation	2022	BTC	150000.00
BTC SPONSORED SCHEME	Spawn production	2022	Teri, Guwahati	126754.00
DBT KISSAN HUB SPONSORED BY TERI	Research	2022	Bodoland University	500000.00
DBT KISSAN HUB SPONSORED BY BODOLAND UNIVERSITY	Research and demo	2022		500000.00

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
-	-	-	-

Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production) : NA

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	
-	-	-	-	-	-	-	-

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

Date	Title of the training course	Client (PF/RV/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 2022-23

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

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	38216841993
Revolving Fund	State bank of India	BRPL Complex, Dhaligaon	31766578300

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 31 st March, 2021
	Year	Year	Year	Year	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2022 -23

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	158.50	158.50	168.68
2	Traveling allowances	3.00	3.00	3.00
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	19.00	19.00	19.00
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)		180.50	180.50	190.68
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture	0.70	0.70	0.70
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 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2022 to April 2023	418355.00	371716.00	411215.00	378856.00

7.5 Utilization of fund other than KVK fund

SI No	Scheme/Project	Fund received (Rs)	Expenditure(Rs)	Balance (Rs)
1	KISSAN MELA	100000.00	100000.00	Nil
2	CFLD KHARIF PULSE	103680.00	92970.00	10710.00
3	CFLD KHARIF OILSEED	10000.00	80000.00	20000.00
4	KISAN SANMAN SANMELAN	92684.00	92684.00	Nil

5	SWACHATA ACTION PLAN	45000.00	45000.00	Nil
6	NATURAL FARMING	263032.00	263032	Nil
7	CFLD RABI OILSEED	85000.00	215400.00	(-130400.00)
8	CFLD RABI PULSE	Nil	306602.00	(-306602.00)
9	IIPR NEH	125000.00	125000.00	Nil
10	INTEGRATED FARMING FOR PRODUCTIVITY IMPROVEMENT	60000.00	60000.00	Nil
11	AICRP ON TUBER CROPS	150000.00	150000.00	Nil
12	BTC SPONSORED SCHEME	126754.00	126754.00	Nil
13	DBT KISSAN HUB SPONSORED BY TERI	500000.00	500000.00	Nil
14	DBT KISSAN HUB SPONSORED BY BODOLAND UNIVERSITY	500000.00	500000.00	Nil

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