PROFORMA FOR ANNUAL REPORT OF KVKS, 2020-21

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK, Golaghat	NIL	NIL	kvkgolaghat@gmail.com, kvk_golaghat@aau.ac.in

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

Address	Telephone		E mail
	Office	FAX	
AAU, Jorhat-13	0376-2340029	0376-2340001	vc@aau.ac.in, dee@aau.ac.in

1.3. Name of the Senior Scientist and Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. B.C. Deka	9435340387	9435340387	bhabesh_ch_deka@yahoo.co.in

1.4. Year of sanction: 1995

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist and Head	Dr. B. C. Deka	Senior Scientist and Head	Plant Protection	131400-217100 + level(13A)	143600.00	22.05.18	P	Others
2	Subject Matter Specialist	Dr. (Mrs.) Arunima Bharali	Subject Matter Specialist	Plant Protection	36100-177500 + level (10)	92600.00	06.11. 08	P	OBC
3	Subject Matter Specialist	Mrs. ManjurimaGogoi	Subject Matter Specialist	Soil Science	36100-177500 + level (10)	77600.00	04.08.11	P	OBC
4	Subject Matter Specialist	Mrs Pallavi Saikia	Subject Matter Specialist	Agricultural Extension	36100-177500 + level (10)	65000.00	19.02.14	P	Others
5	Subject Matter Specialist	Mrs. Sukritee Hazarika	Subject Matter Specialist	Soil Science	Attested from KVK, Lakhimpur	Attested from KVK, Lakhimpur	01.02. 14	P	OBC
6	Subject Matter Specialist	Mrs. MridusmitaBorthakur	Subject Matter Specialist	Community Science	36100-177500 + level (10)	59500.00	04.01.12	P	Others
7	Subject Matter Specialist	Dr. BhoirabGogoi	Subject Matter Specialist	Horticulture	36100-177500 + level (10)	61300.00	26.04.18	P	OBC

8	Subject Matter Specialist	Ms. Krishnakhi Bora	Subject Matter Specialist	Agronomy	36100-177500 + level (10)	59500.00	10.08.18	P	OBC
9	Programme Assistant (Computer)	Mrs. SmritirekhaBhuyan	Programme Assistant	Computer Sc.	35400-112400 +level (6)	55200.00	14.11.08	P	Others
10	Programme Assistant	Dr. Pranita Das	Programme Assistant	Veteriniary	35400-112400 +level (6)	36500.00	22.08.19	P	others
10	Farm Manager	Mr. Ratul Ch. Neog	Farm Manager	Tea Husbandry	35400-112400 +level (6)	46200.00	24.10.11	P	OBC
11	Office Superintendent cum Accountant	Mr. Mriganka Shekhar Sarmah	Office Superintendent cum Accountant	PGBM (International business)	35400-112400 +level (6)	44900.00	18.02.12	P	Others
12	Jr. Stenographer	Mr. Madhurjya Dutta	Jr. Stenographer	-	25500-81100 + level (4)	33300.00	02.04.12	P	Others
13	Driver cum Mechanic	Mr. DigantaGogoi	Driver cum Mechanic	-	21700-69100 + level (3)	27600.00	22.08.17	P	OBC
14	Supporting staff	Mr. Bhoben Boruah	Grade-IV	-	18000-56400 + level(1)	19100.00	10.07.18	P	OBC
15	Supporting staff	Mr. AjitSarmah	Grade-IV	-	18000-56400 + level(1)	18500.00	13.07.18	P	Others
16	Fix pay worker	Mr. GobinGogoi	Grade-IV	-	131400-217100 + level(13A)	143600.00	11.07.19	P	OBC
	Total	**15**							

Note: No column in the table must be left blank

1.6. a. Total land with KVK (in ha) : 12.26

b. Total cultivable land with KVK (in ha): 11.32

c. Total cultivated land (in ha): 6.48

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	1.5
2.	Under Demonstration Units	1.4
3.	Under Crops (Cereals, pulses, oilseeds etc.)	0.2
4.	Under vegetables	-
5.	Orchard/Agro-forestry	0.2
6.	Others	0.88

1.7. Infrastructural Development:

A) Buildings

S. 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	ICAR	1997	600	1638979.90	-	-	Need Urgent Repairing
2.	Farmers Hostel	ICAR	February 2015			-	-	-
3.	Staff Quarters (6)	ICAR	2000	363.60	1500000.00	-	-	Damaged
4.	Demonstration Units (3)	RKVY	March'2013 April'2012 April'2012	42.0 (Poultry unit) 54.45 (Azolla unit) 48.0 (Vermi unit)	485000.00			
5	Fencing	ICAR	August, 2013	-	562633.00		-	No Fencing in Major area
6	Display and Demonstration unit	ICAR	August, 2013-	40	9,30,000.00			
7	Implement Shed	ICAR	September, 2013	130	13,55,500.00			
8	Storage facilities	ICAR	-		10,00,000.00			

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	AS-03 H 9470	2012	-	226308	Functional
Tractor (New Holland)	AS-06 BC 0784	2016	7,60,000.00	-	Non functional
Power tiller(V-Shakti)	-	-	92,581.00		Functional
TATA ACE	AF	2021		510	Functional

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Public Address System (Ahuja SSB 60M)	2000	9,000.00	Good
Television (Samsung)	2004		Out of order
DVD Player (Samsung)	2004		Out of order
Video Player	1996	14,990.00	Out of order
Camera (Minolta)	1996	16,699.00	Out of order
Slide Projector (OVAMAT515AF)	1996	23120.00	Out of order
Direct Overhead Projector (Plus DP30)	1996	1,57,502.40	Out of order
Digital Camera (Still)	2006	15,080.00	Out of order
Digital Camera (Still)	2011	19000.00	Good
LCD projector	2011		Good
Duplicating Machine (Gestener 1450)	1996	17,505.00	Good
Typewriter (Godrej 47 cm)	1996	-	Good
Paddle Thresher	1999	-	Good
Power pump (Kirloskar 5HP)	1996	14,450.60	Good
Photocopier (Kilburn KM1620)	2006	48,360.00	Good
Refrigerator (Kelvinator)	1996	13,140.00	Out of order
Water pump (power tiller operated)	2004	5,000.00	Good
Computer (PCS)	2005	38,000.00	Good
Computer (PCS)	2009	na	Good
Laser Printer (HP 1010)	2005	5,990.00	Good
Laser printer (hp laserjet p1505n)	2009	-	Good
Scanner (HP Scanjet 2400)	2005	3,800.00	Good
Inkjet Printer (HP Business Inkjet 1000)	2007	7,072.00	Good
Photocopier (KilburnTASKalfa 220))	2010	1,01,920.00	Good

1.8. A). Details SAC meeting* conducted in the year 2020-21

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	25.03.2021	1. Dr. P. K. Pathak, Director of Extension Education, AAU, Jorhat 2. Dr. N. Kalita, Director of Research (Veterinery), AAU, Jorhat 3. Dr. M. Neog, ADEE (T), AAU, Jorhat 4. Dr. R. Borgohain, Nodal Officer,OPIU APART 5. Dr. A. Roy, Chief Scientist, SRS, Buralikson 6. Dr. T. J. Ghosh, Chief Scientist, RARS, Titabor 7. Mr.Rupam Kumar Sarma, FR-1, Social Forestry,Golaghat 8. Mr.Biswajit Das, HOD, AIR, Jorhat 9. Smt. Joya Goswami,Sr. A.D.O, Dept of Agriculture, Golaghat 10. Mr. Hiranya Pathori,SA Irrigation, Golaghat 11. Smt. PritirekhaChutia, Sericulture Inspector, Golaghat 12. Smt. AiveeHazarika,Junior Engineer, Irrigation 13. Mr. Arup Kr. Gogoi, LDM, PNB 14. Mr. Abhishek Saikia, AMDI& CC, PICC 15. Mr. Umesh Kumar, GM, DICC, Industry & Commerce Dept. 16. Mr. PollovGogoi,Progressive Farmer, Buralicson 17. Dr. S. D. Choudhury, i/c D.V.O., Vety. Dept. 18. Mr. Devranjan Bora, Sr. Manager (Public Relation), Numaligarh Refinery Ltd. 19. Mr. Purna Nanda Das, Sr. Manager (CSR), Numaligarh Refinery Ltd. 20. Mr. Sapun Jyoti Gohain, DPM, ASRLM (P& RD) 21. Smt. Sumi Saikia, DFF LM, ASRLM (P& RD) 22. Pranab Chakraborty, Farmer/Reporter, Niyamiabarta	1. In all the OFTs recommended practice should be taken as control including farmers practice. 2. While conducting the demonstration on rice, farmers should be make aware to harvest the rice at physiological maturity stage. 3. In Rice- Toria cropping sequence demonstration on sowing of toria should be preponed. 4. In case of organic cultivation disease and pest management should be made organically. 5. Technologies which are easily transferable to farmers should be taken as OFTs. 6. In case of breed up gradation of goat cross breed or pure breed should be given to entrepreneur or specialized farmers. 7. The house recommended modification of lemon harvester to make more work efficient. 8. In case of amla candy quality during storage should be monitored. 9. Off season cultivation of pumpkin to get more market prices is recommend by house. 10. Zinc uptake by rice should be studied in case of zinc applied demonstration. 11. While conducting OFT and FLD on Pig hygiene should be maintained and vaccination should be done. The pig farm should be well organized.	OFT, FLD ,Trainingprogrammes and other extension activities for FY 2020-21 have been formulated as per the recommendations

		23. Mr. BirenGogoi, M/D Golaghat Tomato FPC 24. Mrs. Manjuma Begum, Progressive Farmer, DhemajiKoiborta Gaon 25. Smt. AratiBailung, Progressive Farmer, Letekuchapori 26. Mr. PrahladChetry, Golaghat	12. In case of nutrition garden yield per plot should be recorded and study should be done on whether nutrition obtained from fruits and vegetables are sufficient or not for four to five members of a family. Dr. P. K. Pathak, Director of Extension Education, AAU, and Jorhat said that line Department should make aware about different demonstration programmes conducted by KVKs and KVK should play lead role in convergence. He also mentioned that technologies developed outside AAU, Jorhat can also be taken for different trials after knowing their local adaptations.	

**** 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)

S. No	Farming system/enterprise
1	Agri-horti
2	Agri-horti-fishery
3	Agri-livestock-fishery
4	Agri-livestock
5	Agri-horti-sericulture
6	Agri-silviculture

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Upper Brahmaputra Valley	Existence of high land and plain areas. The soil is immature alluvial to mature alluvial. Considerable variationare observed in physiography, climate, soil, flood proneness, socio-economic condition and cropping pattern.
Sl. No	**Agro ecological situation**	**Characteristics**
1.	Humid alluvial flood prone	Alluvial soil, flood regular feature
2.	Humid alluvial flood free	Level land, sandy loam to clay loam soil
3.	Sub-Humid alluvial medium land	Level land, sandy loam to clay loam soil
4.	Sub-humid alluvial high land	Level to undulating land, loam to clay loam soil

2.3Soil type/s:

Sl. No	Soil type	Characteristics	Area in ha
1.	Inceptisol	Weak profile development	NA
2.	Entisol	Recent soils with no diagnostic horizon	NA
3.	Ultisols	Developed B horizon with Low Base Saturation	NA

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
	Cereals			
1	Autumn rice	4855	53780	11.08
2	Winter rice	74870	1544820	20.63
3	Summer rice	3680	74980	20.38
4	Wheat	1500	15260	10.17
5	Maize	540	1290	2.39
6	Small millet	449	180	0.40
	Pulses			
7	Tur	270	1830	6.78
8	Mung	186	800	4.30
9	Lentil	953	5910	6.20

10	Peas	1028	8940	8.70
11	Other rabi pulses	3775	21730	5.76
	Oilseeds			
12	Rape and Mustard	3210	14150	4.4081
13	Sesamum	150	60	0.4
	Others			
14	Potato	1591	122340	76.89503
15	Sugarcane	3248	1305770	402.0228
16	Jute	685	58580	85.51825
	Horticultural crops			
17	Banana	2655	367110	138.2712
18	Pine-apple	254	33250	130.9055
19	Papaya	186	24780	133.2258
20	Orange	59	5960	101.0169
21	Assam lemon	941	69080	73.41126
22	Guava	363	55540	153.00
23	Litchi	211	7120	33.74
24	Jackfruit	186	21840	117.41
25	Mango	217	19400	89.40
26	Other fruits	59	940	15.93
	Spices & Condiments			
27	Chillies	206	1340	6.50
28	Turmeric	312	940	30.0
29	Ginger	739	75670	102.30
30	Blackpepper	150	2230	14.80
31	Other spices	62	530	8.50
	Vegetables			
32	Kharif vegetables	4343	535130	123.20
33	Rabi vegetables	7556	123118	16.29

2.5. Weather data (April 2020 – March 2021)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	Rainy days
		Maximum	Minimum		
April,2020	112.4	30.49		72	12
May,2020	387.8	29.85		79.21	19
June,2020	210.8	30.80		78.10	24
July,2020	296.10	30.59		78.10	22
August,2020	332.40	32.61		82.11	18
September,2020	235.80	30.53		84.90	19
October, 2020	143.00	31.39		81.33	9
November, 2020	13.60	28.94		77.13	4
December, 2020	4.20	26.45		73.34	1
January,2021	24.6	23.97		79.33	4
February,2021	0.60	26.70		73.73	2
March, 2021	38.8				7

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

Category	Population (Nos)	Production	Productivity
Cattle			
Crossbred	28138	20.17 Lit	6.6 lit/day for 280 days
Indigenous	490175	17.24 Lit	1.2 lit/day for 280 days
Buffalo	49569	6.165 Lit	2lit/day for 280 days
Sheep	**NA**		
Crossbred			
Indigenous			
Goats	241012	3657kg	11.02 Kg meat / goat
Pigs	91027	10428kg	80 Kg meat / pig
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens	970890	268 lakhs egg	100egg/hen/year
Desi			
Improved			
Ducks	24137	268 lakhs egg	**80 egg/duck/year**
Turkey and others			

Category	Area	Production	Productivity
Fish			
Fish seed		**12.24 million**	
Table fish		**5085 tones**	

Note: Pl. provide the appropriate Unit against each enterprise

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

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
01	Golaghat	Golaghat West (Bokakhat)	Panbari, Napamua, Lakhipur, Belguri, Durgapur, Rajabari, Japoripothar, Ragdia, Mohmaiki, Nepalikhuti, Ahom Gaon, Jyotipur, Leblebi,	Rice, vegetables, rapeseed, boro paddy, Pulses	Injudicious and imbalanced use of chemicals, Under nutrition; flood, fad and fallacy	Organic farming, Improved variety, Nutrient management

02		Morongi	Badulipar, Borgoria, Ponka, Kordoiguri, Morongi, Doigrung, Numaligarh, Borchapori, 3 No. Koibarta, Jathipotia, Mithaamchapori	Rice, vegetables, piggery, dairy, mushroom, pulses	i. Low productivity ii. Poor post harvest management iii. Lack of market infrastructure iv. Lack of storage facilities v. Low level of farm mechanization vi. Non availability of women friendly farm tools &equipments vii. Occasional occurrence of flood and drought like situations	1. Widespread promotion of recommended technologies of crops, livestock enterprises 2. Introduction of suitable high yielding/improved varieties/breeds 3. Promoting quality seed/planting material production technology 4. Encouraging farm mechanization 5. Popularization of tools and implements for drudgery reduction of farm women 6. Evaluation, popularization and skill upgradation of IPM and INM technologies for different crops 7. Exploring and facilitating market linkages 8. Integrated farming system approach 9. Agro-based micro and small-scale women run enterprises 10. To create awareness on developing entrepreneurships in agriculture and allied sector 11. Entrepreneurship development among rural youth 12. Capacity building of community based groups and organizations for the socio-economic empowerment of the rural people
03		Golaghat Central (Kothalguri)	Norakonwar, Butoleykhowa, Khumtai, Thengalgaon, Bongaon, Chinnatali, Melamora, Maukhua, Furkating, Jamuguri, Bengenakhuwa, Erengapara, Mudoigaon, Buralikson, Bohupathar, Bonbagisha, Kamar Gaon, Kakoti Gaon, Gosaibari, Bholaguri ,LiksonBahupathar, Thengal Gaon	Rice, Rapeseed, vegetables, fishery, poultry	Low productivity; Under nutrition; flood, fad and fallacy	Rice cum fish culture, Improved crop management, Improved variety, Nutrient management
04		Kakodunga	Baruabamungaon, Chital pathar, Kachubariagaon	Rice, vegetables, tea	Low productivity	Crop management, Improved variety, Nutrient management

05		Golaghat North (Dergaon)	Na-bhanga, Sawguri, Dighalipam, Lesapathar, Kuraliguri, Dergaon	Rice, Rapeseed, vegetables, fishery, poultry, dairy	Bacterial wilt of tomato, Late blight of potato, low productivity of crop	Integrated Pest Management, Improved variety, Nutrient management
06		Golaghat East (Padumani)	Kamarbandha, Bokolai, Nagaon,Athkhelia, Oating, Garigaon, Pulibor	Rice, Rapeseed, Dairy	Under nutrition; food, fad and fallacy	Crop improvement, Food and nutrition
07		Gamariguri	Merapani, Gamari, Chaudanggaon, Pulibari	Rice,food and nutrition,	Under nutrition; food, fad and fallacy	Crop improvement, Food and nutrition
08		Golaghat South (Sarupathar)	Barbali, Gelabeel, Borpathar, Ahom Gaon ,Gandhkoroi	Rice, Rapeseed, vegetables, fishery	Low productivity	Crop improvement, Integrated Pest Management

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2020-21

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	3	3	8	8	2	2	24	24
Horticulture	2	2	4	4	3	3	7	7
Soil Science	2	2	6	6	2	2	22	22
Plant Protection	2	2	6	6	3	3	60	60
Animal Science	1	1	3	3	2	2	19	19
Home Science	2	2	8	8	2	2	15	15
Total	12	12	35	35	14	14	147	147

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
62					78			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	44	44	956	1011	590	590	3000	3860
Rural youth	09	09	186	203				
Extension Functionaries	09	09	224	248				
Total	62	62	1366	1462				

Seed Production (ton.)			Planting material (Nos. in lakh)		
	Target	Achievement		Target	Achievement
Ranjit, Ranjit sub 1, Kalijeera and others	10	7	Black pepper var. Paniur I	0.001500	0.001200
			Lemon Var. Assam Lemon	0.001200	0.001100

Note: Target set during last Annual Zonal Workshop

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

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Varietal Evaluation	Rice	Lack of suitable submergence tolerant variety	-	Popularization of submergence tolerance paddy variety Swarna sub 1 under ICAR-NEH component	-	-	-	Seeds
		Rice	Lack of suitable high yielding *Sali*rice variety	Assessment of high yielding *Sali*rice variety Numoli	-	-	-	-	Seeds, Fertlizer and other critical inputs
		Winter rice	Non availability of suitable fine grain sali paddy varieties	-	Popularization of Sali rice var. “Tripura Chikon Dhan” under rice based cropping system followed by Toria	-	-	-	Seeds, Fertlizer and other critical inputs
		Okra	Lack of early flowering variety	Performance of Okra var. Arkanikita in Golaghat District	-	-	-	-	Seeds, Fertlizer and other critical inputs

2	Integrated crop management	Sesamum	-	-	Demonstration of seasmum var.Kaliabor local under CFLD	-	-	-	Seeds, vermicompost and other critical inputs
		Black gram	-	-	Demonstration On Scientific cultivation of Black gram varPU-31under CFLD.	-	-	-	Seeds, vermicompost, rhizobium, PSB and other critical inputs
		Lentil	-	-	Demonstration On Scientific cultivation of Lentil var. PL-9 under CFLD	-	-	-	Seeds, vermicompost, rhizobium, PSB and other critical inputs
		Papaya	-	-	Popularization of Papaya var. Sapna	-	-	-	Planting material, fertilizer
		Pumpkin	-	-	Popularization of Scientific cultivation of Pumpkin	-	-	-	Seeds, Fertlizer and other critical inputs
		Black Pepper	-	-	Popularization of Intercropping of Black Pepper in Tea	-	-	-	Planting material, fertilizer

		Dragon Fruit	-	Standarfization of “number of plants per pole” in dragon fruit	-	-	-	-	Planting material, fertilizer
		Litchi	-	-	Establishment of Litchi Village Variety: Tezpur Seedless	-	-	-	Planting material, fertilizer
		Potato	-	-	Popularization of potato varieties KufriJyoti under ICAR-NEH component	-	-	-	Planting material,
		Fodder crop	-	-	Popularization of Perennial fodder Hybrid Napier	-	-	-	Planting material, fertilizer
3	Conservation agriculture	Chickpea	Low Yield due to moisture stress	Conservation agriculture for enhancing productivity of chick pea based cropping system in rain fed areas	-	-	-	-	Seeds, Fertlizer and other critical inputs
4	Breed introduction	Poultry	Lack of knowledge about new breed of poultry for income generation	-	Popularization of dual purpose Vanaraja poultry under agroclimatic condition of Golaghat district	-	-	-	Chicks, Poultry house

		Pig	Lack of knowledge about new breed ofpig	-	Productive Performance of HDK-75 breed of pig and its popularizatio n	-	-	-	Piglet, vaccine
		Goat	Inferior productive performance of local non-descript goat of Assam	Breed upgradation by introducing beetal buck for serving with local non descript female goats	-	-	-	-	Kid, vaccine, vitamine
4	Nutrient Managemen t	Rajmah	Injudicious use of chemical fertilizers affect soil health and productivity of the crop	Integrated nutrient management in rajmah in rice pulse cropping sequence	-	-	-	-	Seed, Chemical Fertlizer, *Rhizobium*
		Rice	Deterioration of soil health due to continuous application of chemical fertilizers by farmers	Response of sali rice to potassium solubilizing bacteria for potassium nutrition	-	-	-	-	Seed, Organic inputs
		Rice	Lack of proper nutrient managemen t by farmers	-	Effect of combined application of Zinc and Boron on Rice – Rapeseed sequence Rice: Ranjit Toria: TS-67	-	-	-	Seed, Critical inputs

		Toria	Lack of proper nutrient management by farmers	Assessment of crop yield of *toria* due to sulphur and boron application	-	-	-	-	Seed, Fertilizer and Critical inputs
5	Bio control	Rice	Crop loss due to Nematode problem	Biomanagement of rice root knot nematode *meloidogynegraminicola*	-	-	-	-	Seed, chemical fertilizer, *Bacillus subtilis* @ 20 gm/ Sq. m
6	Integrated Pest management	Rice	Lack of proper pesticide for storage pest management	Management of storage insect pest of paddy through use of neemazal	-	-	-	-	Seed, Fertilizer,Pesticide
		Sugarcane	Severe infestation of termites causes heavy loss	Management of termites through clothianidin 50 wdg in preserved setts of sugarcane	-	-	-	-	Sugarcane setts, Clothianidin 50 wd,Chlorpyriphos 20EC
		Potato	To lessen the problems created by hazardous chemicals	-	Management of potato tuber moth in storage by using locally available materials	-	-	-	Neem leaves
7	Organic	Vermicompost	Less use of organic inputs	-	Popularization of the Technique of Round the Year Low Cost Enriched Vermicompost Production	-	-	-	Vermiworm,Polythene sheet, Alluminium wire

		Broccoli	Injudicious use of chemical fertilizer in vegetables	Cultivation of broccoli by using organic source of nutrient	-	-	-	-	Planting materials, Organic inputs
8	Mushroom Production	Mushroom	Lack of high temperature resistant mushroom variety	-	Year round production of oyster mushroom Variety – German Ostreatus Blue Pin (Can withstand upto 40^0 C)	Entrepreneurship development through mushroom production technology	-	-	Mushroom spawn , Polypropylene bag
9	Apiculture		Low Yield of Toria due to Low pollination	Effect of honey bee, *Apiscerana*pollination on the yield of Toria& Mustard	Introduction of honey bees in *toria* cultivation	-	-	-	Honeybees colonies with hives
10	Nutritional care		Low nutrition status in farm families	-	Popularization of Nutrition Garden	-	-	-	Planting materials and Critical inputs
11	Union Fabric		High cost of eri 7 wool materials	-	Introduction of union Fabric and its diversified uses	-	-	-	Eri yarn, Cotton yarn, Coloured yarn

3.1 Achievements on technologies assessed and refined during 2020-21

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber crops	TOTAL
Varietal Evaluation	1				1					2
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Nutrient Management	1	1	1							3
Integrated Farming System										
Mushroom cultivation				1						1
Drudgery reduction						1				1
Farm machineries										
Value addition						1				1
Integrated Pest Management	1			1						2
Integrated Disease Management										
Resource conservation technology			1							1
Small Scale income generating enterprises										
Organic farming					1					1
TOTAL	3	1	2	2	2	2				12

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

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

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

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

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

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

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises : Nil

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

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C .Ratio (if applicable)
1	Evaluation of high yielding Sali rice variety Numoli in Rice oilseed cropping sequence	Lackof new high yielding *Sali* rice variety	T_1: High yielding medium duration variety (Numoli)+60:20:40 kg (N:P:K) per ha T_2: Farmer's practice (Var. TTB -404)	Rice	3	Plant height: Technology::139.33 Farmer's practice:: 120.33 No of tillers per hill: Technology:: 15.08 Farmer's practice:: 11.6 Panicle length (cm): Technology:: 25.27 Farmer's practice:: 24.66 No. of grain per panicle : Technology::292.33 Farmer's practice:: 287.68 Duration: Technology:: 134 Farmer's practice:: 141 Yield: Technology:: 5.13 t/ha Farmer's practice: 4.7 t/ha Gross return: Technology:: 75240.50 Farmer's practice: 58800.00	Farmers are satisfied	Can be promoted for large scale adoption	Technology:: 1.77 Farmer's practice:: 1.56

<table>
<tr>
<td>2</td>
<td>Integrated Nutrient Management in Rajmah in Rice Pulse cropping sequence</td>
<td>Injudicious use of chemical fertilizers affect soil health and productivity of the crop</td>
<td>Technology: T_1 : Application of 60:45:40 kg N: P_2O_5:K_2O /ha along with seed inoculation with PSB @ 50g/kg of seed and three sprays of 2% urea at pre flowering (45 DAS), 25% pod initiation (60 DAS) and pod development (70 DAS) stages. Nitrogen in two equal splits as basal and top dressing at 30 DAS
T_2: Farmer's practice</td>
<td>Rajmah</td>
<td>3</td>
<td>
<table>
<tr><th></th><th>Demo</th><th>Check</th></tr>
<tr><td>Plant height (cm)</td><td>38</td><td>31.52</td></tr>
<tr><td>Pod/ Plant</td><td>17.25</td><td>13.5</td></tr>
<tr><td>Pod length (cm)</td><td>13</td><td>9.56</td></tr>
<tr><td>Seedper Pod</td><td>5</td><td>4.22</td></tr>
<tr><td>Duration (days)</td><td>109</td><td>109</td></tr>
<tr><td>Grain Yield (q/ha)</td><td>20.56</td><td>15.25</td></tr>
<tr><td>Net return</td><td>128310</td><td>91340</td></tr>
</table>
</td>
<td>Farmers are satisfied</td>
<td>Technology can be adopted</td>
<td>Technology:: Demo:4.55 Farmer's practice: 3.98</td>
</tr>
<tr>
<td>3</td>
<td>Conservation agriculture for enhancing productivity of chick pea based cropping system in rain fed areas</td>
<td>Less seed formation due to moisture stress</td>
<td>Technology: T_1 : conventional tillage with mulching with rice straw, 20:40:15 kg NPK per ha, T_2 : conventional tillage without mulching with rice straw, 20:40:15 kg NPK per ha, spacing : 40x10 cm</td>
<td>Chick pea</td>
<td>3</td>
<td colspan="4">Ongoing</td>
</tr>
<tr>
<td>4</td>
<td>Stage wise requirement of N and K in Banana var. Amrit sagar</td>
<td>Lack of proper nutrient managemen t</td>
<td>Technology :12 kg FYM/Plant ,55 g N,33gP2O5 and 330 g K2O per plant and 25 g each</td>
<td>Banana</td>
<td>1</td>
<td colspan="4">
<table>
<tr><th colspan="3">Results</th></tr>
<tr><th>Parameters</th><th>Demo</th><th>Farmerspractise</th></tr>
<tr><td>Date of Planting</td><td>06.03.2019</td><td>07.03.2019</td></tr>
</table>
</td>
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</table>

<table>
<tr>
<td></td>
<td></td>
<td></td>
<td>of Azospirillum and PSB per plant Var.: Amrit sagar suckers
FP: Conventional</td>
<td></td>
<td></td>
<td colspan="5">
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<tr><td>Date of first Harvest</td><td>24.03.2020</td><td>24.03.2020</td></tr>
<tr><td>Days from Planting to harvest</td><td>327 days</td><td>382 days</td></tr>
<tr><td>No of Hands per Bunch</td><td>5.42</td><td>10.02</td></tr>
<tr><td>No of Fingers per hand</td><td>13.6</td><td>19.5</td></tr>
<tr><td>Wt of Fingers (g)</td><td>112.5</td><td>134.2</td></tr>
<tr><td>Wt of Bunch (Kg)</td><td>11.8</td><td>17.5</td></tr>
<tr><td>Yield (t/ha)</td><td>22.6</td><td>35.2</td></tr>
<tr><td>B:C ratio</td><td>5.25</td><td>8.18</td></tr>
<tr><td colspan="3">Observation: Amrit Sagar was found more susceptible to attack of banana fruit scarring beetle.</td></tr>
</table>
</td>
</tr>
<tr>
<td>5</td>
<td>Cultivation of Broccoli by using Organic source of Nutrient</td>
<td>1. Injudicious use of chemical fertilizer in vegetables
2. Low yield in organically grown Broccoli affecting income of the farmers</td>
<td>Azotabacter and PSB @ 7.5 g per 100 gm seed Vermicompost @ 5 tonne per Ha Rock Phosphate @ 375 kg per Ha</td>
<td>Broccoli</td>
<td>2</td>
<td colspan="5">
<table>
<tr><td>Trial/ Observations</td><td>Organic</td><td>Inorganic</td></tr>
<tr><td>Yield (t/ha)</td><td>13.00</td><td>11.19</td></tr>
<tr><td>Average weight Per Head</td><td>0.439</td><td>0.378</td></tr>
<tr><td>Number of Unwrapped leaves</td><td>11.57</td><td>11</td></tr>
<tr><td>Gross Cost (Rs)</td><td>82,079</td><td>77,680</td></tr>
<tr><td>Gross return(Rs)</td><td>5,20,270</td><td>4,47,600</td></tr>
<tr><td>Net return(Rs)</td><td>4,38,191</td><td>3,69,920</td></tr>
<tr><td>B:C Ratio</td><td>5.33</td><td>4.76</td></tr>
</table>
</td>
<td>Farmersare satisfied</td>
<td>Technol--ogy can be adopted</td>
<td>Demo: :5.33 Check 4.76</td>
</tr>
<tr>
<td>6</td>
<td>Perfomance of Okra var Arka Nikita in Golaghat</td>
<td>Lack of early flowering variety</td>
<td>Variety :Arka Nikita
(The variety is developed through</td>
<td>Okra</td>
<td>2</td>
<td colspan="5">Ongoing</td>
</tr>
</table>

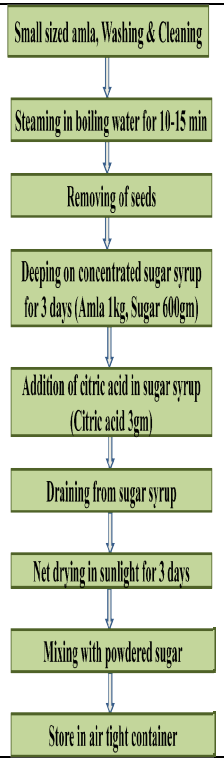
			genetic male sterile line, early flowering, it takes 39 days for first flower appearance and 43 days for first picking of fruits) Planting time: January - March Spacing: 30 cm x 15 cm Fertilizer: 50 kg N, 50 kg K_20 and 50 kg P_3O_5			
7	Research Trail on Standardization of "Number of Plants per Pole" in Dragon Fruit	New crop introduction	Crop : Dragon fruit Variety : Pink flesh Planting time : March – April Pole Spacing : 2.5m x 2.5m Fertilizer (Draft): 70gm urea, 85 gm SSP, 55gm MOP, 1250gm Vermicompost per plant per year Plants per pole: T1: 2(two) plants per pole T2: 3(three) plants per pole T3: 4 (four) plants per pole Total experiment area: 96 sq. m No of support pole: 24 Total No of Plants: 72 nos	Dragon Fruit	1	Ongoing

8	Response of Sali rice to potassium solubilizing bacteria for potassium nutrition	Deterioration of soil health due to continuous application of chemical fertilizers by farmers	Rice, variety-Ranjit T1: RD of NPK @ 60:20:10 kg/ha + Microbial Consortia of Potassium Solubilizing Bacteria (@ 3.5 kg/ha) for transplanted sali rice in soils containing Low status of available K. Potassium solubilizing bacteria (KSB) consortia is to be applied as seedling root dip treatment (for overnight). T2: : RD of NPK @ 60:20:20 kg/ha	Rice	3	Plant height: Technology::143 cm Farmer's practice:: 141 cm No of tillers per hill: Technology:: 14.75 Farmer's practice:: 13.12 Test weight: Technology:: 20.55 Farmer's practice:: 18.52 No. of grain per panicle : Technology::127.33 Farmer's practice:: 124.4 Yield: Technology:: 4.8 t/ha Farmer's practice: 4.6 t/ha Net return: Technology:: 37140.00 Farmer's practice: 34200.00	The technology convinced the farmers as it is suitable and profitable and encouraged them for economical as well as environmentally safe	Can be promoted for large scale adoption	T1:1.71:1 T2: 1.62:1
9	Assessment of crop yield of *toria* due to sulphur and boron application	Lack of proper nutrient management by farmers.	Toria, variety- TS-67 T1: S@20kg/ha + B @1.5 kg/ha +RDNPK T2: : RD of NPK	Toria	3	Yield: Technology:: 12.1q/ha Farmer's practice: 9.3 q/ha Net return: Technology:: 23800.00 Farmer's practice: 16900.00	Farmers accept the technology in terms of yield and economically beneficial	Technology can be promoted for large scale adoption	T1: 1.90:1 T2: 1.54:1
10	Biomanagement of rice root knot nematode *Meloidogyne graminicola*	Crop loss due to Nematode problem	Bacillus subtilis@20 gm/sq. m	Rice	1	The OFT on Biomanagement of rice root knot nematode Meloidogyne graminicola was performing well but due to heavy flood(19th June to 28th June, 2020) during maturity stage actual data on yield and other parameters could not be calculated.			
11	Management of storage	High pest infestation	NeemAzal @ 1.5 ml/kg seed for	Rice	3	Ongoing, NeemAzal @ 1.5 ml/kg seed was found to be effective upto 9 months against storage insect pest of paddy. 1.5 ml of NeemAzal should be diluted			

	insect pest of paddy through use of NeemAzal @ 1.5 ml/kg seed	during storage of rice	storage insect pest of paddy			with 5 ml of water and seed should be treated and dried in shade for 4-5 hours before storage
12	Management of termites through clothianidin 50 wdg in preserved setts of sugarcane	High infestation of termite	Technology : T1 : Three budded sugarcane setts (15 nos.) are to be tightly packed with a rope/ iron wire and dipped in a solution of clothianidin 50 WDG @ 1g/ lit of water for 30 minutes. The treated setts are to be preserved by adopting "deep trench trash cover" method in which "seed stalks" have to be kept vertically in narrow trenches with a depth equal to the length of the stalks. Setts are to be then covered with dry trash and water should be sprinkled at least twice in a month. T2 (Recommended	Sugarcane	1	Ongoing

			package of practice): Three budded sugarcane setts (15 nos.) are to be tightly packed with a rope/ iron wire and dipped in a solution of chlorpyriphos 20 EC @ 2 ml/ lit of water for 30 minutes. The treated setts are to be preserved by adopting "deep trench trash cover" method in which "seed stalks" have to be kept vertically in narrow trenches with a depth equal to the length of the stalks. Setts are to be then covered with dry trash and water should be sprinkled at least twice in a month. T3 (Farmer's practice): Three budded sugarcane setts (15 nos.) are to be tightly packed with a rope/ iron wire and should be preserved horizontally in			

<table>
<tr><td></td><td></td><td></td><td>trenches without any treatments.</td><td></td><td></td><td></td></tr>
<tr><td>13</td><td>Effectiveness and utilization of Lemon Harvester</td><td>Difficulty in plucking with bare hand</td><td>Use of lemon harvester equipment for plucking of Assam Lemon fruit</td><td>Assam Lemon</td><td>5</td><td><table>
<tr><td>parameter</td><td>Technology</td><td>conventional</td></tr>
<tr><td>Output per 5min</td><td>15</td><td>10</td></tr>
<tr><td colspan="3">Reduces injury
Less stress to plant
Prevent unwanted flower dropping</td></tr>
</table></td></tr>
</table>

<table>
<tr>
<td>14</td>
<td>Evaluation of Amla Candy preparation method</td>
<td>ITK</td>
<td> 
</td>
<td>Amla Candy</td>
<td>3</td>
<td>
<table>
<tr><th>ORGANOLEPTIC EVALUATION</th><th>PHYSICO-CHEMICAL ATTRIBUTES</th><th>MICROBIAL LOAD</th></tr>
<tr><td>Colour: 5;
Flavour: 6
Taste:7
Texture:5
Astringency:5
Overall Acceptability:5</td><td>TSS, Ascorbic acid, Reducing sugar, Non-Reducing sugar, Total-sugar – Sample submitted to CLF, DBT, AAU</td><td>Sample submitted to CLF, DBT, AAU</td></tr>
</table>
</td>
</tr>
<tr>
<td>15</td>
<td>Breed up gradation by introducing beetal buck for serving with local non descript female goats</td>
<td>Inferior productive performance of local non-descript goat of Assam</td>
<td>Technology: Dual purpose breed of goat use for both milk and meat production. Milk production 2.5-4.0 liter per day. Average weight male 65kg and female 45 kg.
Farmer’s Practice.
Local</td>
<td>Goat</td>
<td>3</td>
<td>No of kid delivered=55
Average Weight of individual kids at birth=3.2kg
Average monthly weight gain 1200gm

In progress. Bucks have attained the age of 12 month with an av. body wt. of 45 kg to 50 kg. Bucks were served by the local goat.
The birth weight of individual kid(3.2)kg is higher than the local (2 kg)</td>
</tr>
</table>

3.2 Achievements of Frontline Demonstrations during 2020-21

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

List of technologies demonstrated during previous year and popularized during 2018-19 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	Paddy	Var. Ranjit sub-1	125	>1000	>2500
2	Toria	Var. TS-67	50	>800	>1000
3	Sesamum	Var. Bohuwabheti local	29	>160	>136
4	Blackgram	Var. PU-31	15	>125	>120 ha
5	Lentil	KLS-218	12	80	102

**** 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**.)

FLD on Cereals:

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
1.	Winter Rice	Varietal evaluation	Chikandhan+ RDF (60:20:40 kg NPK/ ha) followed by Toria variety:TS-67Farmers' practice: 22 Dhan	Kharif 2020-21	2 ha	2 ha	4	5	9	NA	Rainfed	308.7	24.34	118.7
2	Rice -	Nutrient	Effect of combined	Kharif20	2 ha	2 ha	0	12	12	NA	Rainfed	389.6	22.2	197.9

	Toria	Management	application of Zinc and Boron on Rice – Rapeseed sequence Rice: Ranjit T1: 1.5 kg B/ha + 5 kg Zn/ha + RD of NPK T2: RD of NPK:: 60:20:40 Toria :TS-67 T1: RD of NPK T2: RD of NPK	20-21										6
3	Kharif Rice	Pest Management	Biocontrol of rice stem borer and leaf folder in Sali rice(var. Ranjit sub-1), Six releases of *Trichogramma japonicum* @ 50,000/ha/week, use of pheromone trap, use of neem based pesticide @ 5 ml/lit, bird perch etc	Kharif 2020-21	2 ha	2 ha	8	1	9	NA	Rainfed	226.78	28.12	121.2

Performance on FLD on Cereals:

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
1.	Winter Rice - toria	Varietal evaluation	2 ha	47.4	36	31.67	49.3	45.4	Plant height 116.54 cm Panicle length: 20.93cm (Av.) No. of tillers/hill: 17.20 (Av.) Grain/panicle:187.33	Plant height: 117.2 cm Panicle length: 18.38 cm (Av.) No. of tillers/hil16.75 (Av.) Grain/panicle:158.74	42510.5	68730	26219.5	1.62	37627.5	43200	5572.5	1.15
2	Rice - toria	Nutrient Management	2 ha	53.0	47.2	12.29	55.9	50.1	Plant height: 136cm (Av.) No. of tillers/hill: 12.7 No. of seeds	Plant height :129cm (Av.) No. of tillers/hill: 10	43418.07	76850.00	33432.00	1.77	41987.73	68440.00	26453.00	1.63

									per panicle: 223 1000 grain weight: 19.61 gm	No. of seeds per panicle:157 .8 1000 grain weigh t: 19.13 gm								
3	Kharif Rice	Pest Management	2 ha	55.0	50.0	10.0	57.8	52.3	Pest and disease infestati on (%) :0.001	Pest and disea se infest ation (%) :0.00 2	354 28	1017 50.0 0	6632 2	1.87	34 46 0	92 50 0	580 40	1. 62

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	1	05.11.2020	14	06	20	
		1	09.11.2020	15	07	22	
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total	2		29	13	42	

FLD on Oilseed:

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1	Sesamum	Integrated Crop Management	Demonstration of seasamum var.Koliabor Localunder CFLD	Kharif 2020-21	20	20	0	25	25	NA	Rainfed	302.54	25.76	134.78
2.	Winter Rice - Toria	Varietal evaluation	Popularization of medium duration Sali rice variety "Chikandhan" in rice toria cropping sequence Farmers' Practice:22 Dhan	Kharif 2020-21	2 ha	2 ha	4	5	9	NA	Rainfed	308.7	24.34	118.7
3	Rice -Toria	Nutrient Management	Effect of combined application of Zinc and Boron on Rice – Rapeseed sequence Rice: Ranjit T1: 1.5 kg B/ha + 5 kg Zn/ha + RD of NPK T2: RD of NPK:: 60:20:40 Toria :TS-67 T1: RD of NPK T2: RD of NPK	2020-21	2 ha	2 ha	0	12	12	NA	Rainfed	389.6	22.2	197.96

Performance of FLD:

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
1	Sesamum	Integrated Crop Management (ICM) (under CFLD programme)	20	5.38	3.2	68.13	5.7	4.23			18950	38525	19575	1.97	15285	28800	13515	1.9
2	Winter Rice - Toria	Varietal evaluation	Popularization of medium duration Sali rice variety "Chikandhan" in rice toria cropping sequence Farmers' practice:22 Dhan	8.46	7.1	19.15	8.7	8.12			18465	42300.00	23835.00	2.29	18684.21	35500.00	16815.79	1.9

3	Rice -Toria	Nutrient Management	Effect of combined application of Zinc and Boron on Rice – Rapeseed sequence Rice: Ranjit T1: 1.5 kg B/ha + 5 kg Zn/ha + RD of NPK T2: RD of NPK:: 60:20:40 Toria :TS-67 T1: RD of NPK T2: RD of NPK	7.2	6.82	5.57	7.51	6.9			18556.70	36000.00	17443.3	1.94	15054.05	27850.00	12795.95	1.85

Sl.No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

FLD on Pulses:

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
1	Blackgram	Integrated crop management	Demonstration on Scientific cultivation of Blackgram var. PU-31 under CFLD	Kharif 2020-21	30	30	31	44	75	NA	Rainfed	322.5	26.32	112.2
2	Lentil	Integrated crop management	Demonstration On Scientific cultivation of Lentil var. PL-9under CFLD	Rabi 2020-21	10	10	12	30	42	*NA*	*Rainfed*	382.54	29.9	206.85

Performance of FLD:

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**
1	Black gram	Integrated crop management	30	7.85	6.18	27.02	9.2	6.5	-	-	24255	43960	19705	1.81	21115	34608	13493	1.64
2	Lentil	Integrated crop management	10	6.99	5	46	7.23	6.81	-	-	17090	34080	16990	1.99	15040	24,000	9000	1.6

Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

Horticultural Crops:

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1	Papaya	Integrated Crop management	Popularization of Papaya var. Red Lady	2020-21	0.03	0.03	0	2	2	NA	Rainfed	378.6	27.8	265.1
2	Papaya	Integrated Crop management	Popularization of Papaya var. Sapna	2020-21	0.03	0.03	0	2	2	NA	Rainfed	378.6	27.8	265.1
3	Black Pepper	Integrated Crop management	Popularization of Intercropping of Black Pepper in Tea	2020-21	0.4	0.4	0	3	3	NA	Rainfed	372.6	27.4	263.5
4	Pumpkin	Integrated Crop management	Popularization of Scientific cultivation of Pumpkin	2020-21	0.104	0.104	0	2	2	NA	Rainfed	278.2	32.1	171.3

5	Litchi	Integrated Crop management	Establishment of Litchi Village Variety: Tezpur Seedless Sowing time: October to Mid November Seed rate: 10 kg/ha Fertilizer: Vermicompost @1t/Ha Total Villages Included: 6 No of Farmers included in the Programme: 400	2020-21	-	-	-	-	40	NA	Rainfed	301.5	33.1	158.6

c. Performance of FLD on Horticultural 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
1	Papaya (Red Lady)	Integrated Crop management	0.03	1050	600.9	75.79			Size of fruit: Length : 38.01 cm Breadth:26.41	Size of fruit: Length : 27.12 cm Breadth:29.33	198751	105000	85124	5.28	109672	48072	37104	4.38
2	Papaya (Sapna)	Integrated Crop management	0.03	**Ongoing**														
3	Black Pepper	Integrated Crop management	0.4	**Ongoing**														
4	Litchi	Integrated Crop management	20	**Ongoing**														

***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 Horticultural crops

Sl.No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

Fodder Crops:

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1	Hybrid Napier	Fodder crops	Popularization of Perennial fodder Hybrid Napier Time of planting :April to June Fertilizer dose: 35: 45: 7 kg urea, SSP, MOP per 0.13 ha	2020-21	0.39 ha	0.39 ha	3	12	15	NA	Rainfed	221.5	32.4	96.35

c. Performance of FLD onFodder 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
1	Hybrid Napier	Fodder crops	0.39	400 q/ha (1st cutting)	250 q/ha	Ongoing												

***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.

Tuber crops:

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					

1	Potato	Pest management	Management of potato tuber moth in storage by using locally available materials 4 cm thick layer of shade dried neem leaves over and under stored tubers.	2020-21	-	-	-	2	2	NA	Rainfed	-	-	-

c. Performance of FLD onTuber 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
1	Potato	Pest management	2 unit			Only 2 percent potatoes those are kept in storage as seed were found unhealthy as compared to control where almost 20 percent seeds were damaged												

***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 Horticultural crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify) Method demonstration						
	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
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Poultry	Breed introduction	Popularization of Japanese Quail Breed of Poultry	23	11															

1. Age at 1st lay: 42 days
2. Average egg wt.: 10.83 gm
3. FCR up to egg production: 2.65
4. Egg production up to 8 months of age : 85
5. KVK, Golaghat is promoting Japanese Quail rearing for income generation
6. Less initial investment
7. Low space requirement
8. Higher disease resistance
9. Good demand
10. Low Cholesterol Level
11. Resistant to Ranikhet disease

Age (Days)	Average Body Weight (Female)	Average Body Weight (Male)
DOC	6.15	6.15
7 Days	30.15	31.50
15 Days	61.00	65.5
1 months	78.00	82.00
2 months	112.00	118.00
3 months	128.00	127.50
6 months	135.00	138.00
8 months	141.8	158.5

2	Poultry	Breed introduction	Popularization of dual purpose Vanaraja poultry under agroclimatic condition of Golaghat district	400	400	4000	**Demonstration:** Body wt. At 6 months of age: 3.26 Kg (Male) 2.45 Kg (Female) Age at 1st lay: 168 days Av. Egg wt. : 53 g **Local:** Body wt. At 6 months of age: 1.76 Kg (Male) 1.32 Kg (Female) Age at 1st lay: 184 days Av. Egg wt. : 39 g

**** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**
Produce Sale Price must be as per MSP or Registered Marketing Society
Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

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

(iii) Fisheries: Nil

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

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

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Mushroom	Other beneficial organisms	Popularization of cultivation of oyster mushroom Variety – German Ostreatus Blue Pin (Can withstand upto 40^0 C)	45	7 (300 beds/ unit)	700 kg/unit (300 beds/unit)	550 kg/unit (300 beds/unit)	27.27	Pest incidence: Nil	Pest incidence: 0.02 %	Rs. 20,000.00/ unit	Rs. 105,000.00/ unit	Rs. 105,000.00/ unit	5.25	Rs. 17000.00/ unit	Rs. 77000.00 /unit	Rs. 60,000.00 /unit	4.5	
2	Apiculture	Other beneficial organisms	Introduction of honey bees in *toria* cultivation. 5	6	2	TS-67: 7.3 q/ha <u>Honey yield: 51 kg/ha</u> NRCH	Toria: 6.82 q/ha NRCHB-101:9.5 q/ha	Increase in yield of Toria : 7.35 % in case	Pest incidence : 0.001%	Pest incidence : 0.02 %									

			honeybee colonies /ha			B-101:12 q/ha Honey yield: 60 kg/ha TS-67:51 kg/ha NRCHB-101: 60 kg/ha		of TS-67 26.32 % in case of NRC HB-101											
3	Vermicompost	Soil health	Popularization of Round the Year Low Cost Enriched Vermicompost Production Technology	10	10	Ongoing													Date of start: Nov, 2020

4	Fruits and vegetables	Nutritional Gardening	Establishment of Nutrition Garden Year round production of fruits and vegetables for nutritional and health security of the family.	10	10	Ongoing
5	Union fabric	Union fabric	Introduction of Union fabric and its diversified uses Cotton+ Eri, Cotton+ Wool	5	5 units	Successfully prepared mekhelasadar and stall, table mat with cotton yarn as warp + Eri yarn as weft and table mat with cotton yarn as warp + wool yarn as weft

***** 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.

3.3. Achievements on Training

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

Thematic area	No. of Courses/ prog			Participants																		
	On-Campus (1)	Spon On* (2)	Total (1+2)	General						SC/ST						Total						Grand Total (x+y)
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a+c)	Sp. On (y= b+d)	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	2	0	2	28	0	7	0	35	0	14	0	1	0	15	0	42	0	8	0	50	0	50
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Production of																						

organic inputs																						
Rice knowledge bank	1	0	1	14	0	12	0	26	0	4	0	0	0	4	0	18	0	12	0	30	0	30
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant																						

propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						

Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs	1	0	1	5	0	9	0	14	0	2	0	2	0	4	0	7	0	11	0	18	0	18
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
Crop Production and nutrient management																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						

Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						

Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology	3	0	3	46	0	24	0	70	0	10	0	2	0	12	0	56	0	26	0	82	0	82
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of																						

fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management																						

of SHGs																						
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
Farmers act	1	0	1	23	0	7	0	30	0	3	0	2	0	5	0	26	0	9	0	35	0	35
TOTAL	9	0	9	116	0	84	0	200	0	33	0	7	0	40	0	149	0	91	0	240	0	240

3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus Training Programmes (*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	**No. of Courses/ prg.**			**Participants**																		**Grand Total**
	Off	**Sp Off***	**Total**	**General**						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
				Off	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						

Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	5	0	5	86	0	65	0	151	0	16	0	6	0	22	0	102	0	71	0	173	0	173
Nursery management																						
Integrated Crop Management																						
Fodder production																						
Waste management	1	0	1	15	0	5	0	20	0	0	0	0	0	0	0	15	0	5	0	20	0	20
Production of organic inputs	1	0	1	7	0	6	0	13	0	4	0	3	0	7	0	11	0	9	0	20	0	20
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						

Commercial cultivation of vegetables	3	0	3	28	0	2	0	30	0	10	0	20	0	30	0	38	0	22	0	60	0	60
Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit	1	0	1	18	0	2	0	20	0	0	0	0	0	0	0	18	0	2	0	20	0	20
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						

Propagation techniques of Ornamental Plants	1	0	1	2	0	18	0	20	0	0	0	0	0	0	0	2	0	18	0	20	0	20
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management	2	0	2	21	0	17	0	38	0	1	0	0	0	1	0	22	0	17	0	39	0	39
Soil and Water Conservation																						

Integrated Nutrient Management	3	0	3	40	0	26	0	66	0	2	0	0	0	2	0	42	0	26	0	68	0	68
Production and use of organic inputs	1	0	1	0	0	20	0	20	0	0	0	1	0	1	0	0	0	21	0	21	0	21
Management of Problematic soils	1	0	1	13	0	4	0	17	0	4	0	0	0	4	0	17	0	4	0	21	0	21
Micro nutrient deficiency in crops	1	0	1	13	0	12	0	25	0	0	0	0	0	0	0	13	0	12	0	25	0	25
Nutrient Use Efficiency																						
Soil and Water Testing																						
Crop production and nutrient management	1	0	1	1	0	1	0	2	0	25	0	7	0	32	0	26	0	8	0	34	0	34
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management	1	0	1	1	0	24	0	25	0	0	0	0	0	0	0	1	0	24	0	25	0	25
Goatery Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/ Women empowerment																					0	4	4	0	22

Household food security by kitchen gardening and nutrition gardening	2	0	2	0	0	73	0	73	0	0	0	8	0	8	0	0	0	81	0	81	0	81
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Income generation activities for empowerment of rural Women	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						

Public health	1	0	1	0	0	22	0	22	0	0	0	0	0	0	0	0	0	22	0	22	0	22
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition	2	0	2	42	0	12	0	54	0	4	0	1	0	5	0	46	0	13	0	59	0	59
Post Harvest Technology	3	0	3	53	0	23	0	76	0	14	0	0	0	14	0	67	0	23	0	90	0	90
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management	3	0	3	36	0	28	0	64	0	3	0	6	0	9	0	39	0	34	0	73	0	73
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides	2	0	2	7	0	26	0	33	0	1	0	10	0	11	0	8	0	36	0	44	0	44
VIII Fisheries																						
Integrated fish farming																						

Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						

Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
Marketing and Value addition of Agricultural products																						

Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	37	0	37	383	0	436	0	819	0	84	0	62	0	146	0	467	0	498	0	965	0	965

(B) RURAL YOUTH

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

Thematic area	No. of Courses/ Prog			**Participants**																		**Grand Total (x+y)**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	On (1)	**Sp On* (2)**	**Total (1+2)**	**On (4)**	**Sp. On (5)**	**On (6)**	**Sp. On (7)**	**On (a= 4+6)**	**Sp. On (b= 5+7)**	**On (8)**	**Sp. On (9)**	**On (10)**	**Sp. On (11)**	**On (c= 8+10)**	**Sp. On (d= 9+11)**	**On (4+8)**	**Sp. On (5+9)**	**On (6+10)**	**Sp. On (7+11)**	**On (x= a+c)**	**Sp. On (y= b+d)**	
Mushroom Production	1	0	1	5	0	19	0	24	0	3	0	4	0	7	0	8	0	23	0	31	0	31
Rice knowledge bank	1	0	1	10	0	2	0	12	0	5	0	3	0	8	0	15	0	7	0	20	0	22
Planting material production	1	0	1	9	0	14	0	23	0	0	0	2	0	2	0	9	0	16	0	25	0	25
Nursery Management of Horticulture crops	1	0	1	6	0	19	0	25	0	0	0	0	0	0	0	6	0	19	0	25	0	25
Bee-keeping																						

Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						

Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL	2	0	4	30	0	54	0	84	0	8	0	9	0	17	0	38	0	65	0	103	0	103

3.3.4. Achievements on Training of <u>Rural Youth</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

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

																			*			
Production of organic inputs	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Value addition	1	0	1	15	0	16	0	31	0	0	0	0	0	0	0	15	0	16	0	16	0	16
Sheep and goat rearing	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Integrated Disease management	1	0	1	17	0	4	0	21	0	0	0	0	0	0	0	17	0	4	0	4	0	4
Formation and Management of SHGs	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	25	0	25	0	25
Bee-keeping																						
Integrated farming																						
Seed production																						
Mushroom Production																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						

Training and pruning of orchards																						
Production of quality animal products																						
Dairying																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						

Rural Crafts																						
Climate change																						
TOTAL	5	0	5	32	0	95	0	127	0	0	0	0	0	0	0	32	0	95	0	95	0	95

C. Extension Personnel

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

Thematic area	**No. of Courses/ prog**			**Participants**																		**Grand Total (x + y)**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	On (1)	**Sp On* (2)**	**Total (1+2)**	**On (4)**	**Sp. On (5)**	**On (6)**	**Sp. On (7)**	**On (a= 4+6)**	**Sp. On (b= 5+7)**	**On (8)**	**Sp. On (9)**	**On (10)**	**Sp. On (11)**	**On (c= 8+10)**	**Sp. On (d= 9+11)**	**On (4+8)**	**Sp. On (5+9)**	**On (6+10)**	**Sp. On (7+11)**	**On (x= a +c)**	**Sp. On (y= b +d)**	
Productivity enhancement in field crops	2	0	2	33	0	13	0	44	0	8	0	0	0	8	0	41	0	13	0	54	0	54
Household food security	3	0	3	0	0	84	0	84	0	0	0	6	0	6	0	0	0	90	0	90	0	90
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected																						

cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Total	5	0	5	33	0	97	0	128	0	8	0	6	0	14	0	41	0	103	0	144	0	144

3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes
(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
	Off	Sp Off*	Total	General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
Productivity enhancement in field crops	1	0	1	1	0	17	0	18	0	0	0	2	0	2	0	19	0	1	0	20	0	20
New generation pesticide	1	0	1	1	0	18	0	19	0	0	0	1	0	1	0	1	0	19	0	20	0	20
Household food security	1	0	1	0	0	31	0	31	0	0	0	3	0	3	0	0	0	34	0	34	0	34
Production and use of organic inputs	1	0	1	19	0	10	0	29	0	1	0	0	0	1	0	20	0	10	0	30	0	30
Integrated Pest Management																						
Soil and water conservation																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and																						

maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Gender mainstreaming through SHGs																						
TOTAL	4	0	4	21	0	76	0	97	0	1	0	6	0	7	0	40	0	64	0	104	0	104

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Horticulture	Post Harvest Management	Post harvest machineries	24.09.2020	1	On	PF	9	1	10	5	0	5	14	1	15
Community science	Post Harvest Management	Post harvest machineries	06.10.2020	1	On	PF	19	14	33	0	1	1	19	15	34
Plant protection	seed production	Resource efficient crop establishment methods with best management practices for rice	15.102020-16.10.2020	2	On	PF	17	3	20	5	0	5	22	3	25
Agronomy	rice knowledge bank	Management and maintenance training of Assam rice knowledge bank	25.02.2021	1	On	RY	5	19	24	3	4	7	8	23	31
Soil science	rice knowledge bank	Assam rice knowledge bank Boro	23.02.2021	1	On	EF	15	9	24	6	0	6	21	9	30
Agronomy	Productivity enhancement in field crops	Potato value chain using FFS approach	24.02.2021	1	On	EF	18	4	22	2	0	2	20	4	24
Horticulture	Post Harvest Management	Post harvest management of Sali rice	11.01.2021-12.01.2021	2	On	PF	18	9	27	5	1	6	23	10	33
Agronomy	Rice knowledge bank	Rice knowledge bank usage	30.01.2021	1	On	PF	14	12	26	4	0	4	18	12	30

Plant protection	seed production	Quality seed production	02.02.2021	1	On	PF	11	4	15	9	1	10	20	5	25
Horticulture	Horticulture	Scientific cultivation practices of Assam lemon	1.10.2020-2.10.2020	2	On	RY	10	2	12	5	3	8	15	5	20
Horticulture	Production and management technology	Floriculturist open cultivation	1 Month duration	30	On	RY	9	14	23	0	2	2	9	16	25
Home Science	value addition	Processing and preservation of locally available fruits and vegetables	15.10.2020 & 19.10.2020	2	On	PF	0	25	25	0	0	0	0	25	25
Community science	Public health	Nutritional Care to combat Viral disease	18.09.2020	1	On	EF		20	20	0	0	0	0	20	20
Community science	Public health	Nutritional Care to combat Viral disease.	08.02.2021	1	On	EF	0	22	22	0	1	1	0	23	23
Community science	Household food security by kitchen gardening and nutrition gardening	Nutrition garden and nutri thali -a step towards achieving nutrition security.	17.09.2020	1	On	EF	0	42	42	0	5	5	0	47	47
Plant protection	Mushroom production	Entrepreneurship development through mushroom cultivation	22.03.2021-24.03.2021, 26.03.2021, 28.03.2021-30.03.2021	7	On	RY	6	19	25	0	0	0	6	19	25
Plant protection	Farmer's act	Marketing of agricultural produce reflecting the acts recently passed by the parliament	29.10.2020	1	On	PF	23	7	30	3	2	5	26	9	35
extension education	Formation and Magagement of SHG's	Magagement of SHG's with emphasis on accounting, budgeting and book-keeping	12.2.2021	1	On	FW	0	21	21	0	4	4	0	25	25

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
Agronomy	Seed production	Quality seed production and post harvest handling of rice	31.08.2020 - 01.09.2020	2	Gandhigaon	PF	6	8	14	3	3	6	9	11	20
Agronomy	Crop Production and nutrient management	Production technology, management and use of Azolla	28.10.2020 - 29.10.2020	2	Borchapori	PF	7	6	13	4	3	7	11	9	20
Agronomy	Seed production	Quality seed production and post harvest handling of rice	22.02.2021 - 23.02.2021	2	Misimiati	PF	9	11	20	8	0	8	17	11	28
Agronomy	Waste management	Recycling of waste material	23.03.2021 & 26.03.2021	2	Furkating	PF	15	5	20	0	0	0	15	5	20
Soil science	Seed production	Best management practice of Sali paddy	9.7.2020	1	Diffolupothar	PF	19	11	30	0	0	0	19	11	30
Agronomy	Seed production	Quality seed production	03.09.2020	1	Baliduwa	PF	13	11	24	1	0	1	14	11	25
Horticulture	Seed production	Quality seed production	04.09.2020	1	Kandulimari	PF	17	13	30	0	0	0	17	13	30
Agronomy	Small scale processing and value addition	Rice value chain machineries	19.09.2020	1	Komargaon	PF	17	7	24	2	0	2	19	7	26

Plant protection	Post Harvest Management	Post harvest machineries	07.07.2020	1	chongkola	PF	15	2	17	13	0	13	28	2	30
Agronomy	Organic farming	Organic rice production	9.3.2021-10.3.2021	1	Bokakhat	RY	0	25	25	0	0	0	0	25	25
Agronomy	Crop Production and nutrient management	Scientific management practices for ratoon and new crops of sugarcane	25.2.2021	1	DRDA conference hall, Golaghat	EF	1	17	18	0	2	2	1	19	20
	Small scale processing and value addition	Rice value chain machineries	08.01.2021	1	Diffolupothar	PF	25	5	30	2	1	3	27	6	33
Soil science	Post Harvest Management	Post harvest machineries	01.02.2021	1	Borpothorua, da samua	PF	15	15	30	0	0	0	15	15	30
Soil science	Post Harvest Management	Post harvest machineries	01.02.2021	1	bilgaon, Sarupothar	PF	23	6	29	1	0	1	24	6	30
Soil science	Crop Production and nutrient ma	Best management practice of Boro paddy	05.02.2021	1	Komargaon	PF	1	1	2	25	7	32	26	8	34
Horticulture	Cultivation of Fruit	Scientific cultivation practices of Assam lemon	5.10.2020-9.10.2020	2	Mohuramukh	PF	18	2	20	0	0	0	18	2	20
Horticulture	Commercial cultivation of vegetables	Scientific cultivation of Rabi vegetables	28.10.2020 - 29.10.2020	2	Borchapori	PF	16	0	16	4	0	4	20	0	20
Horticulture	Commercial cultivation of vegetables	Scientific cultivation of Tomato and red chili	9.11.2020-10.11.2020	2	Chowdungpothar	PF	12	1	13	6	1	7	18	2	20
Horticulture	Commercial cultivation of vegetables	Scientific cultivation practices of Tomato and red chili	21.12.2020 - 22.12.2020	2	Numoligarhnapothar	PF	0	1	1	0	19	19	0	20	20

Horticulture	Propagation techniques of Ornamental Plants	Production technology of chrysanthemum and marigold	2.2.2021-3.2.2021	2	Akamoluagaon	PF	2	18	20	0	0	0	2	18	20
Animal Husbandry	Entrepreneurial development of farmers	Scientific management of poultry	17.11.2020	1	Hautoley	PF	1	24	25	0	0	0	1	24	25
Animal Husbandry	Sheep and goat rearing	Scientific management of goat	19.11.2020	1	Hautoley	RY	15	16	31	0	0	0	15	16	31
Home Science	Public health	Preparation of 3 layered face mask	26.08.2020	1	Khumtai	PF	0	22	22	0	0	0	0	22	22
Community Science	Value addition	Pickle making as an income generating activity	05.01.2021 - 06.01.2021	2	Dergaon	RY	0	25	25	0	0	0	0	25	25
Community science	Household food security by kitchen gardening and nutrition gardening	Nutritional garden -A step towards achieving nutritional security	30.09.2020	1	conference hall block development office Morongi	EF	0	31	31	0	3	3	0	34	34
Community science	Income generation activities for empowerment of rural Women	Preparation of artificial flower	17.02.2021-22.02.2021	2	Duliagaon	PF	0	25	25	0	0	0	0	25	25
Plant protection	Integrated Disease management	Integrated pest and disease management in Sali rice	4.09.2020-5.09.2020	2	Thengalgaon	PF	12	8	20	0	0	0	12	8	20
Plant protection	Integrated Disease management	Integrated pest and disease management in Sali rice	24.09.2020 - 25.09.2020	1	Bogoriyoni	PF	6	14	20	0	0	0	6	14	20

Plant protection	Integrated Disease management	Integrated pest and disease management in cucurbitaceous vegetable	1.10.2020-03.10.2020	2	Dhemaji, koibartta	PF	18	6	24	3	6	9	21	12	33
Plant protection	Production of bio control agents and bio pesticides	Homemade bio pesticide	10.02.2021	1	DAO office, Golaghat	PF	5	13	18	0	2	2	5	15	20
Plant protection	Production of bio control agents and bio pesticides	Homemade bio pesticide	25.02.2021 - 26.02.2021	2	Morongi	EF	19	10	29	1	0	1	20	10	30
Plant protection	Production and use of organic inputs	Integrated pest and disease management in cole crops	18.02.2021 - 19.02.2021	2	Chungajaan	RY	17	4	21	0	0	0	17	4	21
Plant protection	Integrated Disease management	New generation pesticides	18.03.2021	1	DRDA conference hall, Golaghat	EF	1	18	19	0	1	1	1	19	20
extension education	SHG	Magagement of SHG's with emphasis on accounting, budgeting and book-keeping	15.2.2021	1	Kenduguriponki algaon	RY	0	25	25	0	0	0	0	25	25

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Mushroom	22.03.2021 to 23.03.2021	7	Mushroom Production	Entrepreneurship development through Mushroom cultivation	6	19	25	0	0	0	6	19	25	Mushroom cultivation	**1**	0	-	No
Floriculture – Open Cultivation	31.03.2021	1 month	Production and Management technology	Skill Development Training on Floriculturist Open cultivation	9	14	23	0	2	2	9	16	25	Floriculturist	**1**	0	-	ASCI

*training title should specify the major technology /skill transferred

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

On/ Off	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		
Off	PF	9.7.2020	1	Soil science	Seed production	Best management practice of Sali paddy	19	11	30	0	0	0	19	11	30	World bank	
Off	PF	03.09.2020	1	Agronomy	Seed production	Quality seed production	13	11	24	1	0	1	14	11	25	World bank	
Off	PF	04.09.2020	1	Horticulture	Seed production	Quality seed production	17	13	30	0	0	0	17	13	30	World bank	
Off	PF	19.09.2020	1	Agronomy	Small scale processing and value addition	Rice value chain machineries	17	7	24	2	0	2	19	7	26	World bank	
Off	PF	24.09.2020	1	Horticulture	Post Harvest Management	Post harvest machineries	9	1	10	5	0	5	14	1	15	World bank	
On	PF	06.10.2020	1	Community science	Post Harvest Management	Post harvest machineries	19	14	33	0	1	1	19	15	34	World bank	
On	PF	15.102020-16.10.2020	2	Plant protection	seed production	Resource efficient crop establishment methods with best management practices for rice	17	3	20	5	0	5	22	3	25	World bank	

Off	PF	07.07.2020	1	Plant protection	Post Harvest Management	Post harvest machineries	15	2	17	13	0	13	28	2	30	World bank	
On	RY	25.02.2021	1	Plant protection	Plant protection	Management and maintenance training of Assam rice knowledge bank	5	19	24	3	4	7	8	23	31	World bank	
On	EF	23.02.2021	1	Soil science	Productivity enhancement in field crops	Assam rice knowledge bank Boro	15	9	24	6	0	6	21	9	30	World bank	
On	EF	24.02.2021	1	Agronomy	Productivity enhancement in field crops	Potato value chain using FFS approach	18	4	22	2	0	2	20	4	24	World bank	
Off	PF	08.01.2021	1	Soil science	Small scale processing and value addition	Rice value chain machineries	25	5	30	2	1	3	27	6	33	World bank	
On	PF	11.01.2021-12.01.2021	2	Horticulture	Post Harvest Management	Post harvest management of Sali rice	18	9	27	5	1	6	23	10	33	World bank	
On	PF	30.01.2021	1	Agronomy	Rice knowledge bank	Rice knowledge bank usage	14	12	26	4	0	4	18	12	30	World bank	
off	PF	01.02.2021	1	Soil science	Post Harvest Management	Post harvest machineries	15	15	30	0	0	0	15	15	30	World bank	
off	PF	01.02.2021	1	Soil science	Post Harvest Management	Post harvest machineries	23	6	29	1	0	1	24	6	30	World bank	
on	PF	02.02.2021	1	Plant protection	seed production	Quality seed production	11	4	15	9	1	10	20	5	25	World bank	

off	PF	05.02.2021	1	Soil science	Crop Production and nutrient management	Best management practice of Boro paddy	1	1	2	25	7	32	26	8	34	World bank	
on	RY	31.03.2021	1 Month	Horticulture	Production and management technology	Floriculturist-open cultivation	9	14	23	0	2	2	9	16	25	ASCI	

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 2019-20

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	Advisory services	Agriculture and Allied sectors	-	202	125	29	154	40	10	50	0	0	0	165	39	202
2	Diagnostic visit	Agriculture and Allied sectors	-	87	40	7	47	29	12	41	2	3	5	71	22	85
3	Field day	Field Day under FLD on "Popularization of medium duration paddy variety Chikan Dhan in rice0toria cropping sequence"	05.11.2020	0	0	0	14	6	0	6	0	0	0	14	6	20
4	Field day	Field Day under FLD on "Biocontrol of stem borer and leaf folder in Sali rice"	09.11.2020	1	7	1	6	8	6	14	0	0	0	15	7	22
5	Field day	Field Day on LCD (STRV)	22.03.2021	1	1	10	11	9	6	15	0	0	0	10	16	26

6	Field day	Field Day LCD (STRV) demonstration Bina.11	29.10.2020	1	1	0	1	39	4	44	0	0	0	40	4	44
7	Field day	Field Day on MTPR demonstration RS1	11.11.2020	1	23	27	50	0	2	2	0	0	0	23	29	52
8	Field day	Field Day on MTPRdemonstration BS1	12.11.2020	1	30	9	39	3	8	11	0	0	0	33	17	50
9	Field day	Field Day on wet DSR RS1	13.12.2020	1	33	16	49	1	0	1	0	0	0	34	16	50
10	Field day	Field Day on LCD (STRV) RS1	18.11.2020	1	2	10	12	23	15	38	0	0	0	25	25	50
11	Field day	Field Day on LCD (STRV) Swarna Sub1	01.12.2020	1	14	12	26	0	0	0	0	0	0	14	12	26
12	Field day	Field Day on wet DSR (Ranjit Sub1)	01.12.2020	1	19	10	29	1	`0	1	0	0	0	20	10	30
13	Field day	Field Day on LCD (PQR)	04.12.2020	1	13	9	22	4	4	8	0	0	0	17	13	30
14	Field day	Field Day on MTPR (Dry DSR)var. Ranjit Sub 1	05.12.2020	1	5	4	9	17	24	41	0	0	0	22	28	50
15	Field day	Field Day on wet DSR (Ranjit Sub1)	05.12.2020	1	5	4	9	23	18	41	0	0	0	28	22	50
16	Field day	Field Day on LCD PQR	07.12.2020	1	21	29	50	0	0	0	0	0	0	21	29	50
17	Field day	Field Day on LCD PQR	10.12.2020	1	5	0	5	14	21	35	0	0	0	19	21	40
18	Field day	Field Day on LCD (STRV) RS1	10.12.2020	1	0	2	2	17	6	23	0	0	0	17	8	25`
19	Field day	Field Day on LCD (STRV) Bahadur Sub1	11.12.2020	1	11	2	13	5	2	7	0	0	0	16	4	20
20	Field day	Field Day on Mustard	02.03.2021	1	17	13	30	0	0	0	0	0	0	17	13	30
21	KishanGosthi	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0

22	Kishan Mela	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
23	SHG formation	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Exhibition	IIHR National Horticulture Fair	10.02.2021	1	**7**	33	40	0	0	0	0	0	0	7	33	40
25	Scientists visit to farmers fields	-	-	223	809	230	1039	575	315	890	0	0	0	1377	545	1922
26	Plant/ Animal Health camp	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Vaccination camp	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Farm science club	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Ex trainee Sammelan	Dealers network	28.01.2021	1	25	15	40	6	4	50	0	0	0	31	19	50
30	Farmers seminar/ workshop	Workshop on fuel conservation	09.01.2021	1	0	0	0	25	0	25	0	0	0	25	0	25
31	Farmers seminar/ workshop	FPC conclave	22.01.2021	1	18	6	24	0	0	4	0	0	0	35	13	48
32	Method demonstration	Method demonstration on Post harvest Machineries	22.06.2020	1	10	7	17	4	4	8	0	0	0	14	11	25
33	Method demonstration	Crop shown mechanical transplanting on paddy(MTPR)	08.07.2020	1	20	10	30	0	0	0	0	0	0	20	10	30
34	Method demonstration	Method demonstration on Post harvest Machineries	24.09.2020	1	16	1	17	5	0	5	0	0	0	21	1	22

35	Method demonstration	Method demonstration on harvest Rice value chain Machineries	10.10.2020	1	14	11	25	5	5	10	0	0	0	19	16	35
36	Method demonstration	Method demonstration on harvest Rice value chain Machineries	19.11.2020	1	19	6	25	5	0	5	0	0	0	24	6	30
37	Method demonstration	Method demonstration on Post harvest Machineries	05.12.2020	1	12	10	22	8	0	8	0	0	0	20	10	30
38	Method demonstration	Method demonstration on Post harvest Machineries	07.12.2020	1	29	3	32	3	0	3	0	0	0	32	3	35
39	Method demonstration	Method demonstration on harvest Rice value chain Machineries	07.01.2021	1	20	0	25	0	0	0	0	0	0	26	1	27
40	Method demonstration	Method demonstration on harvest Rice value chain Machineries	08.01.2021	1	20	12	32	0	0	0	0	0	0	20	12	32
41	Method demonstration	Varmicompost unit production and azolla cultivation	11.02.2021	1	0	19	19	0	0	0	0	0	0	0	19	19
42	Exposure Visit	Exposure Visit to RARS Titabar	07.11.2020	1	15	4	19	4	2	6	0	0	0	19	6	25
43	Exposure Visit	Exposure Visit International agrihorti show, Bokakhat	21.01.2021	1	13	4	17	3	5	8	0	0	0	16	9	25
44	Exposure Visit	Exposure Visit to Khanamukh, Jorhat	25.11.2020	1	17	17	34	16	4	20	0	0	0	33	21	54
45	Exposure Visit	Exposure Visit to NERFMTTI, Biswanathchariali	08/02/2021 - 09/02/2021	1	14	2	16	5	0	5	0	0	0	19	2	21
46	Farmer Scientist	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0

	Interaction															
47	Celebration of important days	Farmers day	23.12.2020	1	12	19	31	2	.	2	0	0	0	14	19	33
48	Celebration of important days	Awareness Meeting on stress tolerant varieties	11.09.2020	1	25	15	40	0	0	0	0	0	0	25	15	40
49	Celebration of important days	Mahila Kisan Divas	15.10.2020	1	20	0	20	0	0	0	0	0	0	20	0	20
50	Celebration of important days	Agriculture Education Day	03.12.2020	1	18	6	24	0	0	0	0	0	0	18	6	24
51	Celebration of important days	World Soil Day	05.12.2020	1	29	7	36	6	2	8	0	0	0	35	9	44
52	Celebration of important days	World water day	22.03.2021	1	8	11	19	0	4	4	0	0	0	8	15	23
53	Celebration of important days	Rastriya Ekta Diwas	31.10.2020	1	0	22	22	0	1	1	0	0	0	0	23	23
54	Celebration of important days	Constitution Day	26.11.2020	1	13	7	20	1	1	2	0	0	0	14	8	22
55	Celebration of important days	Foundation day of Assam Agricultural University	01.04.2020	1	2	0	2	10	4	14	0	0	0	10	6	16
56	Celebration of important days	International womens day	08.03.2021	1	0	37	37	0	13	13	0	1	1	0	51	51
57	Celebration of important days	Independence Day	15.08.2020	1	10	23	33	2	0	2	0	0	0	12	23	35
58	Electronic media (CD/DVD)	Nil	NA	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Extension literature	*Masur MahorHuhanghotSashya Suraksha*		1	0	0	0	0	0	0	0	0	0	0	0	1

		Byobasthapana														
60	Extension literature	*Mati Porikhar babe matirnomunahangrahpranaliarumatirshasthyaPramanpatra*		1	0	0	0	0	0	0	0	0	0	0	0	1
61	Newspaper coverage	23		23	0	0	0	0	0	0	0	0	0	0	0	0
62	Popular articles	a. *Khadyaprastutkaran orhomoyotNostohua pustikardabyahamuh atutrakhuahok*		1	0	0	0	0	0	0	0	0	0	0	0	3
63	Popular articles	b. *Khadyaru Corona Mohamariba Covid 19*		1	0	0	0	0	0	0	0	0	0	0	0	1
64	Popular articles	c. *BartamanHomoyotpasolirmulyahangjujanarprayujoniyota*		1	0	0	0	0	0	0	0	0	0	0	0	1
65	Radio talk	*Bortomansomoyat COVID-19 r babe huasomosyar babe krishikhetratkrishaksokolelobologaanusangikbebasthasomuh*	20-07-2020	1	0	0	0	0	0	0	0	0	0	0	0	1
66	Radio talk	*HuhangataPukhakDrabyarBebasthapanatJaibikharar Bhumika*	03-03-2021	1	0	0	0	0	0	0	0	0	0	0	0	1
67	Radio talk	*Kathfularkheti*	08-07-2020	1	0	0	0	0	0	0	0	0	0	0	0	1
68	TV talk			0	0	0	0	0	0	0	0	0	0	0	0	0
69	Training manual	*MahKhetirJoibik Krishi Pranali*		1	0	0	0	0	0	0	0	0	0	0	0	1

70		*Mah Jatiyo Sashyar Krishi ProjuktiaruMulyaXangjujon*		1	0	0	0	0	0	0	0	0	0	0	0	1
71	Soil health camp			0	0	0	0	0	0	0	0	0	0	0	0	0
72	Awareness camp			0	0	0	0	0	0	0	0	0	0	0	0	0
73	Lecture delivered as resource person			0	0	0	0	0	0	0	0	0	0	0	0	0
74	PRA			0	0	0	0	0	0	0	0	0	0	0	0	0
75	Soil test campaign			0	0	0	0	0	0	0	0	0	0	0	0	0
76	Mahila Mandal Convener meet			0	0	0	0	0	0	0	0	0	0	0	0	0
77	Webcasting Programme	Video conference on launching of Garib LalyyanRojgarYojna by Govt. of India	20.06.2020	1	14	5	19	7	0	0	0	0	0	21	5	26
78	Sponsored training	Income generation opportunities through Bamboo farming (Sponsored by Assam Bio refinery Pvt. Limited	09.02.2021	1	66	0	66	3	0	3	0	0	0	69	0	69
	Grand total			**590**	**1667**	**731**	**2420**	**927**	**502**	**1474**	**2**	**4**	**6**	**2625**	**1258**	**3860**

3.5 Production and supply of Technological products during 2020-21

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Ranjit, Ranjit sub-1, Kalijeera and other	20.04 40.08 2.00 8.53	76152.00 152304 10000 32414	120	56	176
OILSEEDS							
PULSES							
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

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

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	7.065	270870.00	120	56	176
2	OILSEEDS					
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL		7.065	270870.00	120	56	176

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
Fruits	Lemon	Assam Lemon	0.011	7050.00	19	22	41
Spices	Black Pepper	Paniyur I	0.12	2720.00	23	16	39
Ornamental Plants							
VEGETABLES							
Forest Spp.							
Plantation crops							
Medicinal plants							
Fodder							
OTHERS (Pl. Specify) Bamboo		B. Tulda B. balcooa	0.02 0.04287	4000.00 1,28,592.00 NERAMAC	12	11	23

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	**Fruits**	0.011	7050.00	19	22	41
2	**Spices**	0.012	2720.00	23	16	39
3	**Ornamental Plants**					
4	**VEGETABLES**					
5	**Forest Spp.**					
6	**Medicinal plants**					
7	**Plantation crops**					
8	**OTHERS (Specify) Fodder**	0.02 0.04287	4000.00 1,28,592.00 NERAMAC	12	11	23
TOTAL				54	49	63

C. Production of Bio-Products during 2020-21

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS								
BIOFERTILIZERS	**Vermicompost**	***Eisenia foetida***		**406.642**	**487970.40**	**75**	**75**	**150**
BIO PESTICIDES								

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

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	BIOAGENTS							
2	BIO FERTILIZERS							
3	BIO PESTICIDE							
4	**Vermicompost**	**Eisenia foetida**		**40664.2**	**487970.40**	**75**	**75**	**150**
5							**-**	**-**
	TOTAL			**40664.2**	**487970.40**	**75**	**75**	**150**

D. Production of livestock during 2020-21

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	**Cattle/ Dairy**							
2	**Goat**							
3	**Piggery**							
4.	**Poultry**							
5	**Fisheries**							
6	**Others (Specify)**							
	Hatching quail eggs	Quail	705	705	2,820.00			
	Hatching Vanaraja eggs	Vanaraja	40	40	320.00			
	Hatching Karaknath eggs	karaknath	41	41	410.00			

D1. SUMMARY of production of livestock during 2019-20

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE							
2	SHEEP & GOAT							
3	POULTRY							
4.	PIGGERY							
5	FISHERIES							
6	OTHERS (Pl. specify)							
	quail culled bird	Quail	29	29	2,320.00			
	Vanarajaculled bird	Vanaraja	76.50 kg	76.50 kg	16,832.00			
	TOTAL							

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): **NIL**

(B) Articles/ Literature developed/published :

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
Technical Report	Annual Report		
	Report for Scientific Advisory committee		
	Report for ZREAC meeting		
Book/ Book Chapter			
Technical bulletins			
Extension bulletins	*Masur MahorHuhanghotSashya Suraksha Byobasthapana*	Dr. B.C. Deka, Dr. A. Bharali, Mrs. M. Gogoi, Dr. B. Gogoi, Ms. K. Borah, Mrs. M. Borthakur	250
	Mati Porikhar babe matirnomunahangrahpranaliarumatirshasthyaPramanpatra	Dr. B.C. Deka, Dr. A. Bharali, Mrs. M. Gogoi, Dr. B. Gogoi, Ms. K. Borah, Mrs. M. Borthakur	250
Newsletter			
Conference/ workshop proceedings			
Leaflets/folders			
Training manuals	*MahKhetirJoibik Krishi Pranali*	Dr. B.C. Deka, Dr. A. Bharali, Mrs. M. Gogoi, Ms. K. Borah, Mrs. M. Borthakur	250
	Mah Jatiyo Sashyar Krishi ProjuktiaruMulyaXangjujon	Dr. B.C. Deka, Dr. A. Bharali, Mrs. M. Gogoi, Ms. K. Borah, Mrs. M. Borthakur	250
Popular articles	*KhadyaprastutkaranorhomoyotNostohuapustikardabyahamuhatutrakhuahok*	Mrs. M. Borthakur	
	Khadyaru Corona Mohamariba Covid 19	Mrs. M. Borthakur	

	BartamanHomoyotpasolirmulyahangjujanarprayujoniyota	Mrs. M. Borthakur	
e-publications			
Any other (Pl. specify)			
TOTAL	**10**		**1000**

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

(C) Details of Electronic Media Produced:Nil.

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

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

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

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.	Vegetables	Application of Wood ash for controlling pest	Pest control
2.	Citrus	Application of Tobacco leaf in the hole to control the trunk borer	Pest control
3.	Mango	Produce Smoke at the base of mango tree for controlling mealybug	Pest control
4.	Potato	Spread a layer of wild bihlongoni on floor than keep a layer of potato tuber seed and cover with wild bihlongoni leaves.	To repel potato tuber moth
5.	Cucurbits	Spraying of tobacco soak water + lime water+Leaves of Ahom Bogori	Effective against fruit fly
6.	Rice	Application of leaves of keturi or turmeric to rice field	Control rice hispa
7.	Vegetables	Application of wood ash in vegetables	Control aphids and other sucking insects.
8.	Rice	Placing of bamboo perches in the field	To provide site for predatory bird sitting
9.	Rice	Application of goat excreta in the rice field	To control several diseases of rice
10	Citrus, Cucurbits	Broadcasting of broken rice grain	To attract predatory birds for preying insects
11	Citrus	Application of cut fish water	To attract predatory red tree ant
12	Coconut	Hanging of damaged shoes in the plant	Ritual belief for increased fruiting
13	Vegetables	Application of Salt in Dried cowdung and kept for few days covered with polythene sheet. Thereafter the sheet used to be removed and vegetation grown there is mixed thoroughly and applied to crops	Plant nutrient

14	Pulse	He uses ITK against gram pod borer — 1 litre three days old cow urine kept in air tight container, 50 gm smoothly grinded black tobacco & 100 gm smoothly grinded garlic mixed with 2 litres of water and sprays in gram plants during evening. About 60 per cent control have been achieved against gram pod borer attack.	Pest control of Pulse
15	Sugarcane	He uses ITK against Sugarcane stem borer during flood – 100gm juice extracted from Mulberry plants bark, 1 litre three days old cow urine kept in air tight container, 50gm smoothly grinded black tobacco & 100 gm smoothly grinded garlic mixed with 10 litres of water and sprays in sugarcane crop. About 55 per cent control have been achieved against sugarcane stem borer attack.	Pest control of Sugarcane
16	King Chilli	He uses ITK against King Chilli attacked by field cricket- by mixing 1Kg finely chopped inner core of pseudo stem of Bhimkal, 5 gm bevistin powder and 5 gm gum of Akan plant and apply in ring method. About 60 per cent control have been achieved against the pest.	Pest control of King Chilli
17	Oilseed	Prevention of aphid attack in rapeseed & mustard- To prevent aphid attack in rapeseed & mustard fine ash spread over rapeseed & mustard crop with the help of bamboo sieve during Nov- Dec. About 50-70 per cent control have been achieved against aphid attack.	To prevent aphid
18	Garlic	Preservation of garlic- For seed purpose garlic are preserved by keeping the garlic cloves in bundles over *'Dhuachang'* (smoke shade) so that smoke prevents insect attack and garlic sprouted easily. About 60 per cent control have been achieved against pest attack.	Preservation of garlic
19	Colocasia	Preservation of *colocasia*- If colocasia are kept in soil they sprouted easily. Therefore, *colocasia* should be kept hanging in wall so that moisture percentage will decrease and they won't sprout. About 75 per cent success was achieved.	Preservation of *colocasia*
20	Chickpea	Preservation of Chickpea seed- Chickpea seeds are smeared with three days old cow urine kept in air tight container and sun dried once in a month. About 70-80 per cent control have been achieved.	Preservation of Chickpea seed

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

- **Identification of courses for farmers/farm women:** Benchmark survey, PRA, Farmers-scientist interaction, Field observation ,

  interview .
  - Rural Youth: PRA, Farmers-scientist interaction , observation , interview
  - **Extension personnel:** Feedback evaluation , Departmental Communication , Questionnaire , performance analysis

-

3.11 Field activities

i. Number of villages adopted: 2 (Borchapori under Morongi Block and Bogoriyoni under Central Golaghat (Kothalguri) block

ii. No. of farm families selected: Borchapori : 125nos. Bogoriyoni: 75

iii. No. of survey/PRA conducted: 1

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Functional

1. Year of establishment : **March,** 2009
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1	Kjelplus Nitrogen Analyzer	Mridaparikshak	Nagarjuna Agrochemicals pvt. Ltd., Hyderabad	1	2,48,484.00
2	Grinder			1	15,750.00
3	Horizontal Rotary Shaker			1	22275.00
4	Water distillation Still (Wall mounted)			1	10368.00
5	Double water distillation apparatus			1	28912.00
6	Spectrophotometer			1	26424.00
7	Flame Photometer			1	25301.00
8	pH meter			1	8307.0
9	Conductivity bridge			1	9757.00
10	Chemical balance			1	36563.00
11	Double pan physical balance			1	5063.00

12	Double pan physical balance			1	3375.00
13	Shaker			1	18563.00
14	Oven			1	21330.00
15	Hot plate			1	3375.00
16	Refrigerator			1	14,500.00
17	Portable pH meter with combined electrode			1	2000.00
18	Digital Balance (0-5kg)			1	8450.00
19	BOD Incubator			1	RKVY
20	Autoclave			1	RKVY
21	Laminar Air Flow Chamber			1	RKVY
Total					5,08,797.00

3. Details of samples analyzed (2019-20) :

Details	No. of Samples analyzed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	143	250	49	-
Water Samples				
Plant Samples				
Petiole Samples				
Total	143	250	49	-

1. Details of Soil Health Cards (SHCs) (2020-21)

a. No. of SHCs prepared: 250

b. No. of farmers to whom SHCs were distributed: 250

c. Name of the Major and Minor nutrients analysed: N, P, K, S, Zn, OC, P^H, EC, B, Fe

d. No. of villages covered: 49

e. Soil health card based nutrient management in different crops ::

Soil health card based nutrient management in different crops of Golaghat district:

The economy of Golaghat district is agriculture based. Rice is the most dominant crop followed by vegetables, pulses, oilseed, tuber crops and sugarcane in the district.

The soils of Golaghat district is mostly of two types viz: new alluvial and old alluvial. The texture of surface soil ranges from fine loam to silty clay loam and coarse silty to fine soils.

Fertility status of Golaghat District:

Most of the soils of Golaghat district is acidic in nature. Organic carbon content found from medium to high. The other major nutrients viz, N,P and K are ranged from medium to high. Sulphur content of the soil is sufficient. Micronutrients viz B and Zn are ranged from deficiency to sufficient. So, according to the nutrient contents of the soil, recommendations for the four major crops grown in the rice belt in a large scale in the district viz, rice, greengram, blackgram and rapeseed are given in the SHC.

Also recommended dose of Zinc (Zn) for rice and Boron (B) for rapeseed are given in the SHC.

Along with these chemical fertilizers the recommended doses of organic manure and Biofertilizers are also given in the SHC

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														
Voice only														
Voice and Text both														
Total														

3.14 Contingency planning for 2019-20

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Flood	**Introduction of new variety or crop**				

	Introduction of Resource Conservation Technologies				
Flood	**Distribution of seeds and planting materials**				
	Any other (Please specify)				

5. 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**

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)**
Impact of assistance to farmers through "Custom Hiring Centres"	60	100		

Parameters	**Borgoria-Letekuchapori CHC**	**Ponka-Borchapori CHC**
Nos. Of members	120	153
Membership fee accommodated	224475.00	9500.00
Revenue generated from hiring		99215.00
Recurring expenses from the CHCs		
i. Diesel	143699.00	50023.00
ii. Servicing	8357.00	
iii. Driver	33800.00	11500.00
iv. Miscellaneous	13296.00	30044.00
Profit	**25325.00**	**17148.00**

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

5.1 Cases of large scale adoption

(Please furnish detailed information for each case)

Technology : HYV Toria

Year	Area	No. of farmers	Yield achieved	Horizontal spread	
				No. of farmers	Area
2015-16	20 ha	50	10 q/ha		
2016-17	80.5 ha	175	11.2 q/ha	>205	>250 ha
2017-18	141.67 ha	201	10.25 q/ha	>540	>650 ha
2018-19	131.39 ha	321	12.38 q/ha	>800	>1000ha

Technology : Ranjit Sub 1

Year	Area	No. of farmers	Yield achieved	Horizontal spread	
				No. of farmers	Area
2015-16	1 ha	5	48.3 q/ha		-
2016-17	3 ha	15	47.8 q/ha	>10	>10 ha
2017-18	6 ha	10	51.25 q/ha	>20	>20 ha
2018-19	45 ha	56	53.1 q/ha	>350	>400 ha

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Numaligarh Refinery Limited, Golaghat	Financial support to Adopted village under Doubling Farmers Income scheme
NFSM and NMOOP	Cluster Frontline Demonstration Programme on Pulse and Oilseed
D.A.Office,Golaghat	Training, Field visit, organizing KrishakSamaroh, participation on Exhibition, Seminar, Diagnostic visit, Technical support on different schemes etc.
DVO, Golaghat	Training, Field visit, act as resource person, Diagnostic visit, OFT, FLD &other prog.

DIC, Golaghat	Vocational Training &other CB prog.
NGO like KASS, NASS,SEENE, Renaissance etc.	Cluster Frontline Demonstration,, Technical & financial advisory, Agri- preneural Project preparation, Training
Dev . Block	Soil survey & mapping
Fisheries Research Centre, Jorhat	3-tier Fish-Pig-Poultry construction works, act as resource person, literature devd
Dairy Dev. Board	Act as resource person, Technical advisory service in fodder cultivation
Soil Conservation, Golaghat	Training, Technical Support
RSETI	Training, Technical Support

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

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2020-21

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Cluster Frontline Demonstration (CFLD)	Demonstrations on: 1. Blackgram Var. PU-31 : 30 ha 2. Lentil Var. PL-9: 10 ha 3. Sesame Var. Koliabor Local: 20 ha	2020-2021	NFSM and NMOOP	270000.00 90000.00 104000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district (Yes/No): Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	APART	Training of Extension functionaries	

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 : Nil

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2020-20

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1									

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	-	-		Ranjit, ranjitsub 1, Kalijeera and others	Foundation seeds	70.65		270870.00	
Wheat									
Maize									
Any other									

Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Any other									
Oilseeds									
Toria									
Soy bean									
Groundnut									
Any other									
Fibers									
i.									
ii.									
Spices & Plantation crops									
i. **Black pepper**				**Paniyur I**	**Cuttings**	**1500 nos.**	1200.00	24000.00	
ii.									
Floriculture									
i.									
ii.									
Fruits									
i. **Lemon**				**Assam Lemon**	**Cuttings**	**1200 nos.**	**1100.00**	**33000.00**	

ii. **Guava**									
Vegetables									
i.									
ii.									
a. Others (specify)									
i. Fodder				**Hybrid Napier**	seedling	15000	1500	15000	
ii.									

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

Sl.No.	**Name of the Product**	**Qty**	**Amount (Rs.)**		**Remarks**
			Cost of inputs	**Gross income**	
1	**Vermicompost**	**200.45 q**		**2,40,540.00**	

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

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		No. of	No. of Participants including SC/ST	No. of SC/ST Participants

		Client (PF/RY/EF)	Courses	Male	Female	Total	Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2019-20

Accommodation available (No. of beds) : 23 no. of beds are available.

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)
March	RAWEP student	13 days	8	13	
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	State Bank of India	Pulibor ADB	11472897329
With KVK	State Bank of India	Pulibor ADB	11472899348
Revolving Fund	State Bank of India	Pulibor ADB	11472897679
APART AAU	State Bank of India	Pulibor ADB	37870411381
KVK ICAR, AAU	State Bank of India	Pulibor ADB	38442354183

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

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

7.3 Utilization of KVK funds during the year 2020-21

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	82.00	103.47274	103.47274
2	**Traveling allowances**	2.3	2.3	2.3
3	**Contingencies**			

A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
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	15.5	14.87096	14.87096
TOTAL (A)		99.8	120.6437	120.6437
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
5	**HRD**			
TOTAL (B)		99.8	120.6437	120.6437
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		99.8	120.6437	120.6437

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2018 to March 2019	343914.38	756598.00	817113.00	283398.38
April 2019 to March 2020	283398.38	813474.00	963874.00	132998.00
April 2020 to March 2021	132999.00	685834.00	606542.00	212291.00

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above. (Write in detail)

9.0 Constraints

(a) Administrative
i) Campus Security
ii) Restricted Mobility of Scientists due to lack of sufficient office Vehicle
iii) Out of order farmers and office staff toilet

(b) Financial: i) Non-allocation of fund for non-recurring item
ii) Low budget for residential training

(c) Technical: i) Non-availability of farmers lounge
ii) Lack of basic amenities for library

(B.C. Deka)
Sr. Scientist cum Head
KVK, Golaghat