

PROFORMA FOR ANNUAL REPORT OF KVKs, 2018-19**1. GENERAL INFORMATION ABOUT THE KVK**

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Assam Agricultural University, Simaluguri, Nagaon, Assam Pin: 782002	Office	FAX	kvk_nagaon@aau.ac.in
	03672-225384	03672-225384	

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

Address	Telephone		E mail
Assam Agricultural University, Jorhat, Assam Pin- 785013	Office	FAX	vc@aau.ac.in
	0376-2340013	0376-2340001	

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

Name	Telephone / Contact		
Dr. Niranjana Deka Head	Residence	Mobile	Email
	-	94350-66297	kvk_nagaon@aau.ac.in

1.4. Year of sanction: 2002 Remanded in 2004

1.5. Staff Position (As on 31st March, 2017)

Sl. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Head	Dr. Niranjana Deka	Head	Entomology	37400 - 67000	75040	04.07.04	Permanent	Gen
2	Subject Matter Specialist	Ms. Seema Bhagowati	SMS	Soil Science	15600 - 39100	31100	10.11.08	Permanent	Gen
3	Subject Matter Specialist	Ms. Sibani Das	SMS	Horticulture	15600 - 39100	27390	10.11.08	Permanent	SC
4	Subject Matter Specialist	Ms. Sinki Barman	SMS	Agri. Economics	15600 - 39100	61300	03.02.14	Permanent	Gen
5	Subject Matter Specialist	Ms Bonti Gogoi	SMS	Agronomy	15600 - 39100	61300	19.10.15	Permanent	OBC
6	Subject	Dr	SMS	Animal	15,600	57800	01.06.20	Permanent	GEN

	Matter Specialist	Animesh Deka		Science	-- 39100		18	nt	
7	Subject Matter Specialist	Ms. Ashfeeka Islam	SMS	Community Science		56100	11.08.18	Permanent	Gen
8	Programme Assistant	Mr. Dhiren Nath	P A (FisheriesSc)	Fishery Sc.	8000-35000	66260	10.10.01	Permanent	OBC
9	Computer Programmer	Mr. Bishnu N. Phukan	P A (Comp.)	Computer		38700	08-08-14	Permanent	Gen
10	Farm Manager	Mr. Nayan Jyoti Bordoloi	Farm Manager	Agriculture	8000-35000	50750	10.12.09	Permanent	Gen
11	Accountant / Superintendent	Mr. Luhit Baruah	Accountant	Agri-Business	8000-35000	37720	10.11.14	Permanent	Gen
12	Stenographer cum Computer operator	Mrs. Pranita Deka	Jr. Stenographer cum computer operator	-	5200-20200	32430	21.02.12	Permanent	OBC
13	Driver	Mr. Mahesh Senapati	Driver	-	5200-20200	26000	05.01.10	Permanent	OBC
14	Driver	Mr. Robin Borah	Driver	-	5200-20200	26000	14.03.12	Permanent	OBC
15	Supporting staff	Mr. Rupjyoti Bora	Grade-IV	-	5200-20200	18000	13-07-18	Permanent	OBC
16	Supporting staff	Mr. Moniram Bora	Grade-IV	-	4560-15000	18000	13-07-18	Permanent	OBC

Note: No column in the table must be left blank

- 1.6. a. Total land with KVK (in ha) :13.0
b. Total cultivable land with KVK (in ha):8.0
c. Total cultivated land (in ha):7.5

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	0.86 ha
2.	Under Demonstration Units	1.1 ha
3.	Under Crops (Cereals, pulses, oilseeds etc.)	7.44 ha
4.	Under vegetables	0.06 ha
5.	Orchard/Agro-forestry	0.36 ha
6.	Others (specify)	

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	Construction of Administrative building of KVK, Nagaon is completed.						
2.	Farmers Hostel	No facility. Presently Attached with RARS, Shillongani						
3.	Staff Quarters (6)	No facility. Presently Attached with RARS, Shillongani						
4.	Demonstration Units (2)	RKVY	Mar, 2012	-	-	-	-	Completed
5	Fencing	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	AS 03E 0035	2006	490503.00	96598	Needs replacement
Tractor : 2 Nos (under Agri hub, AAU)	NA	2015	7,59,894.00 4,79,500.00	348 hrs 548 hrs.	Good condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
I. Soil & Water testing Equipments			
Auto Analyzer	2007	248484.00	Out of order
Mechanical Shaker (150ml cap)	2007	22278.00	
Water Distillation Set	2007	39280.00	
Plant Sample Grinder	2007	15750.00	
Spectrophotometer	2007	26424.00	
pH meter	2007	8307.00	Good

Conductivity meter	2007	9757.00	Out of order
Hot plate	2007	3375.00	Good
Pen pH meter	2007	3000.00	Good
Chemical Balance	2007	32500.00	Good
Physical Balance (5.0kg)	2007	4500.00	Good
Physical Balance (2.5 kg)	2007	3000.00	Good
Mechanical Shaker	2007	18563.00	Good
Hot Air Oven	2007	21330.00	Good
Flame Photo meter	2007	25301.00	Out of order
Refrigerator	2008	14062.00	Good
Laminar flow	2011	57930.00	Good
Hot air oven	2011	36888.00	Good
BOD incubator	2011	122131.00	Good
Autoclave	2011	93638.00	Good
Rotary Checker	2011	28375.00	Good
Electronic Balance	2011	9591.00	Good
Pocket Ph Meter	2011	2270.00	Good

List of farm equipment	Year of purchase	Cost (Rs.)	Remarks
Power tiller	2009	273022.00	Good
Motorized Knapsack	2009	22360.00	Good
Mechanized brush cutter	2009	28000.00	Good
Multipurpose Power weeder	2009	42078.00	Good
Power paddy weeder	2009	36254.00	Good
Earth Augar	2009	56749.00	Good
8 row self propelled rice transplanter	2009	188198.00	Good
Knapsack power duster back cushion and padded shoulder strap	2009	7696.00	Good
Knapsack Sprayer (Brass)-16 lits.	2009	2100.00	Good
Rota vator	2009	191610.00	Good
Fingerling catching net	2009	19912.00	Good
Drag net	2009	42300.00	Good
Pump set	2009	17670.00	Good
Disc Harrow	2009	35256.00	Good
Disc plough	2009	27030.00	Good
Puddler	2009	25896.00	Good
Chaft cutter	2009	15496.00	Good
Spring tyne cultivator	2009	29744.00	Good
Power sprayer pump	2009	9708.00	Good
Accessories of power tiller	2009	112820.00	Good
Monoblock Pumpset	2009	3744.00	Good

Paddle operated paddy thresher	2009	11250.00	Good
Seed Cleaner	2009	325476.00	Good
Sprinkler irrigation system	2009	71000.00	Good
Wheel barrow	2010	5175.00	Good
Sealing Machine	2012	2838.00	Good
Dripkit	2012	958.00	Good

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

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.		<ol style="list-style-type: none"> 1. Dr. P. K. Pathak. Director of Extension Education, AAU, Jorhat 2. Sri. Jadav Saikia, DC, Nagaon 3. Dr. A. K. Tripathi, Director, ATARI, Zone-VI ICAR, Guwahati 4. Dr. A. Bhattacharyya, Director of Research (Agri), AAU, Jorhat 5. Dr. N. Kalita, Director of Research (Vety), AAU, Guwahati 6. Dr. A. Borgohain, Associate Director of Research (Vety), AAU, Guwahati 7. Dr. K. K. Tamuli, Dean, CoF, AAU, Raha 8. Dr. P. C. Sarmah, CS, RARS, Shillongani 9. Mr. Ashok Sarma Khound, JDA(CZ) Nagaon 10. Mr. A. C. Hazarika, Dist Fishery Dev Officer, Nagaon 11. Smt. Dimpri Bora, DFO, Nagaon Social Forestry, Nagaon 12. Mr. Sunil Kumar, IBES, Asst Director (Engg) AIR Nagan 13. Mr. Bijon Sinha Programme Executive. AIR Nagaon 14. Partha Saikia, Jr. Field Rep, IFFCO Nagaon 15. Gauranga Ch. Das, LDM 	<ol style="list-style-type: none"> 1. Under Plant protection, it was advised to rephrase the problem faced in the OFT programmes 2. Under Animal Science, rephrasing of the problem and proper identification of the cause in scientific manner 3. The Animal Science OFT on hydroponics is advised to be conducted at KVK farm instead of farmer's field. 4. Under Agricultural Econ and FM OFT, comparative economic analysis should be merged with the soil science OFT under Rice-linseed sequence. 5. Impact study on CFLD programme is instructed to be taken up by SMS Ag Econ. 6. It was also advised to the SMS (Ag. Econ and FM) to sort out the problem 	<ol style="list-style-type: none"> 1. Popularization of Pumpkin (Arjuna F1 Hybrid) in Rice based cropping sequence 2. FLD has been conducted in 1 ha area covering 4 no of farmers at Borkachari Gaon and Bebejia 3. Organic cultivation of "Joha" Rice with enriched Compost 4. Water conservation techniques at DFI village 5. Awareness programme on Ornamental fish culture by KVK 6. Formation of Farmer's club in collaboration with NABARD 7. Training on Beekeeping with toria, Mushroom and Apple ber cultivation 8. Training on Apiculture and Assam lemon cultivation to control elephants attack on rice field in Barkachari gaon 9. Awareness programme on seed replacement

		<p>Nagaon</p> <p>16. Mr. Ataur Rahman, Chairman ASCOF Ltd</p> <p>17. Biswajit Kr. Nath Executive Engineer(Agri) Nagaon Division</p> <p>18. Dr. Utpal Talukdar, vety officer, Kampur</p> <p>19. Mintu Deka, BDO, NRLM Khagoriyaan</p> <p>20. Dr. Prabin Kr. Das, DVO, Nagaon</p> <p>21. Dibyendra Das, AE Nagaon Div</p> <p>22. Sanjib Kr. Borah AEE Doboka</p> <p>23. Sumanta Mohan Hazarika, EE Kaliabar Div</p>	<p>underlying the low income due to non-adoption of cropping system.</p> <p>7. Under Ag. Econ and Fm OFT, number of samples size should be 100-120 for better results</p> <p>8. Under OFT Horticulture, proper identification of problem related to Asiatic Liliun should be mentioned.</p> <p>9. Under Community Science, Value addition of farm produce and postharvest management of the crops should be conducted under OFT</p>	
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** Attach a copy of SAC proceedings along with list of participants*

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1.	Agri – Horti
2.	Agri – Horti –Dairy
3.	Agri – Horti –Fishery
4.	Agri – Horti – Poultry
5.	Agri – Horti – Piggery
6.	Agri – Horti –Fishery – Duckery
7.	Agri – Seri – Piggery

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Central Brahmaputra Valley Zone	The zone is consisted of two districts with four Agricultural Sub-divisions viz. Nagaon, Raha, Hojai and Kaliabor in Nagaon and one sub division in Morigaon district. The

		major physiographic variations of the zone are low hills; piedmont and high land areas, flood plain, char lands and swampy areas. The climate of the zone is generally humid sub-tropical (hot and wet in summer and cool in winter). The relative humidity is about 37% in the month of February /March and about 80% in other months. The zone receives mean annual rainfall of 1800 mm with five winter months having rainfall less than 100 mm. The monsoon commences from March and intensity gradually increases up to August and then declines to the minimum during November/ December. During rainy season, Water supply goes above water need and excess water causes stagnation and flood in many areas. In winter water table recedes beyond root zone of the field crops. The maximum temperature rises up to 38 ⁰ C in July-August and minimum falls to 8 ⁰ C in January.
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2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Clayey Typic Hapludults	Very deep, well drained, clayey soils occurring on moderately sloping side slopes of hills having loamy surface with moderate erosion hazards	16.8
2	Fine Typic Hapludalfs	Very deep, well drained, fine soils occurring on gently to undulating upland having loamy surface with moderate erosion hazards	56.0
3	Fine Dystric Eutrochrepts	Very deep, moderately well drained, fine soils occurring on undulating upland having loamy surface with moderate erosion hazards	113.6
4	Fine Aeric Haplaquepts	Very deep, moderately well drained, fine soils occurring on very gently to gently sloping plain having clayey surface with slight erosion and slight flood hazards	237.9
5	Coarse loamy Aquic Udifluvents	Very deep, imperfectly drained, coarse loamy soils occurring on gently sloping plain having coarse loamy surface with very slight erosion hazards	257.9
6	Fine loamy Aquic Dystric Eutrochrepts	Very deep, moderately well drained, fine loamy soils occurring on very gently sloping plain having loamy surface with slight erosion and slight flood hazards	261.3
7	Fine Ruptic Alfic Eutrochrepts	Very deep, moderately well drained, coarse loamy soils occurring on undulating upland having sandy surface with severe erosion hazards	25.3
8	Fine loamy Typic Dystrichrepts	Very deep, well drained, fine loamy soils occurring on gently sloping to undulating upland having loamy surface with moderate erosion hazards	190.9
9	Fine loamy Typic Dystrichrepts	Very deep, well drained, fine loamy soils occurring on undulating upland having loamy surface with slight erosion hazards	18.2
10	Fine loamy Aeric Haplaquepts	Very deep, poorly drained, fine loamy soils occurring on gently sloping sub due plain having clayey surface with slight erosion hazards	52.1

11	Fine silty Aeric Haplaquepts	Very deep, poorly drained, fine silty soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards	65.5
12	Coarse loamy Typic Fluvaquepts	Deep, poorly drained, coarse loamy soils occurring on nearly leveled flood plain having loamy surface with slight erosion and moderate flood hazards	105.0
13	Coarse silty Typic Udifluvents	Deep, well drained, coarse silty soils occurring on active flood plain having loamy surface with moderate erosion and severe flood hazards	161.9

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1.	Winter rice	132567	315158	2415
2.	Summer rice	66700	250125	3750
3.	Autumn rice	32950	78421	2380
4.	Wheat	4815	6163	1280
5.	Jute	12500	28215	2250
6.	Sugarcane	7446	322835	47870
7.	Green gram	1478	1094	740
8.	Black gram	3145	2705	860
9.	Pea	4343	3605	830
10.	Lentil	1753	1122	640
11	Toria	27276	23457	860
12.	Sesamum	1112	634	570

(b) Area, Production and Productivity of major Horticultural crops cultivated in the district

Sl.No	Crop	Area (ha)	Production (MT)	Productivity (q/ha)
1	Potato	8783	160290	1825
2	Fruit crops	15635	234124	1555
3	Kharif vegetables	9926	156037	1572
4	Rabi vegetables	15176	307162	2024
5	Spices and Condiments	67251	20628	3300

2.5. Weather data

Month	Rainfall	Max T	Min T
May'18	160.2	31.1	20.7
June	245.2	33.4	24.1
July	348.0	33.6	24.6
Aug	235.8	33.1	24.5
Sep	120.6	32.5	23.9
Oct	85.6	30.1	19.7
Nov	12.2	27.6	15.3
Dec	28.2	25	11.2
Jan'19	4.2	24.4	8.3
Feb	17.2	25.3	11.8
Mar	46.0	27.9	14.9
Apr	181.8	29.0	18

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

Category	Population	Production	Productivity
Cattle			
Crossbred	56,771	10529130 lit	2.13 lit/da
Indigenous	8,02,443	28354101 lit	0.628 lit/da
Buffalo	12,663	5996903 lit	8.71 lit/da
Sheep			
Crossbred			
Indigenous	12,395	3882 kg	20 kg/yr
Goats	3,56,954	393860 kg	20 kg/yr
Pigs			
Crossbred	16,363	309538 kg	
Indigenous	58,510		65 kg/yr
Rabbits	27		
Poultry			
Hens			
Desi	1176122	Egg: 18416746nos.,	Egg: 70 nos./year, Meat: 2.62
Improved	10674	Meat: 282203 kg	Egg: 150 nos./year, Meat: 2.65
Ducks	505585	Egg: 8920483nos Meat: 51588 kg	Egg: 80nos./year, Meat: 2.60
Turkey and others			
Category	Area	Production	Productivity
Fish	40204 ha	31000 MT/year	1.30 MT

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2018-19)

Sl. No	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1.	Nagaon	Kothiatoli	Borkacharigaon	Rice, Toria, piggery, Fishery, vegetables, sesame, tea	Gaps in adoption of improved production practices	1.Introduction of improved varieties 2.Productivity Enhancement 3.Nutrient Management 4.Fish Production,
2.	Nagaon	Khagorijan	Boragaon	Sali and boro rice, pulses, toria, sesame	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management
3.	Nagaon	Khagorijan	Jamuguri	Sali rice, toria, pulses, vegetables, groundnut	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management

4.	Nagao n	Samaguri	Purani Gudam	Rice,Toria,vege tables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,
5.	Nagao n	Kathiatali	Rangalu	Rice, Vegetables, Fishery	-do-	1. Nutrient Management 2.Integrated Pest Management 3. Livestock management, 4. Entrepreneurship Development 5. Fish Production,
6.	Nagao n	Bajiagaon	Borongatoli	Rice, Toria, sesame, vegetables	-do-	1. Nutrient Management 2. Integrated Pest Management 3..Fish Production, 4. Entrepreneurship Development
7.	Nagao n	Bajiagaon	Telia Pahukata	Rice, Toria, Green gram,	-do-	1.Nutrient Management 2.Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops,
8.	Nagao n	Khagorijan	Amtola	Paddy,Vegetabl es, Fishery	-do-	1.Nutrient Management 2. Integrated Pest Management 3.Fish Production,
9.	Nagao n	Khagorijan	bamungaon	Rice,jute, piggery, Fishery, toria, pulse	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4.Emphasis on Pulses and Oilseeds crops, 5.Livestock management 6. Fish Production,,
10.	Nagao n	Raha	Dubaritoli	Sugarcane, Pulses, Fishery	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4. Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops 6. Fish Production,,

11.	Nagao n	Dalonghat	Juria	Rice,Jute	-do-	1. Nutrient Management 2. Integrated Pest Management 3.Fish Production, 4. Entrepreneurship Development 5. Fish Production,
12.	Nagao n	Kathiatali	Kathiatoli	Pulses, Sugarcane	-do-	1.Introduction of improved varieties, 2. Nutrient Management 3. Integrated Pest Management 4. Entrepreneurship Development
13.	Nagao n	Raha	Niz Dimow	Fishery, Rice, toria	-do-	1.Introduction of improved varieties 2. Nutrient Management 3. Integrated Pest Management 4.Fish Production,
14.	Nagao n	Khagorijan	Kashamari	Rice, Vegetables, Pulses	-do-	1.Productivity Enhancement 2. Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops
15.	Nagao n	Khagorijan	Raidongia	Rice, Pulses, Oilseeds	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4.Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops, 6. Entrepreneurship Development
16.	Nagao n	Khagorijan	Nasatra	Rice, Pulses,Toria	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4.Integrated Pest Management 5.Emphasis on Pulses and Oilseeds crops, 6. Entrepreneurship Development

17.	Nagao n	Khagorijan	Bengenaati	Vegetables, Rice, Toria, diary	-do-	1.Productivity Enhancement 2.Integrated Pest Management 3.Emphasis on Pulses and Oilseeds crops, 4.Livestock management, 5. Entrepreneurship Development
18.	Nagao n		Senchowa	Rice, toria, vegetables	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3. Nutrient Management 4. Entrepreneurship Development
19.	Nagao n	Raha	Hariamokh	Rice, toria, vegetables, pulse	-do-	1.Productivity Enhancement 2.Integrated Pest Management 3.Fish Production,
20.	Nagao n	Odali	Gatanga	Rice, Jute, Vegetables	-do-	1.Introduction of improved varieties, 2.Productivity Enhancement 3.Nutrient Management 4.Integrated Pest Management 5. Entrepreneurship Development

3. TECHNICAL ACHIEVEMENTS

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

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	2	4	6	9	2	3	6	7
Soil Sc.	2	5	6	15	1	1	3	3
Horticulture	2	2	6	6	2	2	6	6
Plant protection	2	2	6	6	1	1	3	3
Fishery Sc.					2	2	40	40
Animal Sc.	2	2	6	6	1	1	8	8
Community Sc.	1	1	10	10				
Agril. Econ & FM	1	1	3	3	-	-	-	-
Total	12	17	43	55	9	10	65	67

Note: Target set during last Annual Zonal Workshop

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers								
Rural youth	1	1	25	25				
Extn. Functionaries								
Total								
Seed Production (ton.)				Planting material (Nos. in lakh)				
5				6				
Target		Achievement		Target		Achievement		

Note: Target set during last Annual Zonal Workshop

B. Abstract of interventions undertaken during 2018-19

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 performance	Sweet sorghum	Lack of suitable source of biofuel production	Performance of sweet sorghum varieties		Production and scientific management of Sorghum			Seeds, Fertilizers and pesticides
2	Weed Management	Rice-toria	Lack of effective weed management practices in rice based cropping system	Efficacy and residual effect of Integrated weed management in rice-toria cropping sequence <i>Rice Var. TTB 404</i> <i>Toria- TS 38</i>		Weed management in Rice			Seeds, Fertilizers and pesticides
3	Crop management	Potato	Lack of suitable variety in potato for Assam condition	Effect of planting time on small tuber potato variety to improved varieties under rainfed condition of Assam		Scientific cultivation of potato			Seeds, Fertilizers and pesticides
4	Crop management	Wheat	Preharvest sprouting in wheat	Effect of chemicals in controlling pre-harvest sprouting in wheat					Seeds, Fertilizers and pesticides

5	Varietal performance	Rice	Lack of submergence tolerance rice varieties under flash flood situation		Popularization of submergence tolerance rice variety Ranjit Sub 1 and Swarna Sub 1 in flash flood areas of Nagaon district	Transplanting techniques in rice			Seeds, Fertilizers and pesticides
6	Varietal performance	Rice	Suitable contingency system for seasonal drought situation is not identified		Performance of Dishang and Gitesh for contingency crop of Nagaon district	Cultivation practices and management of staggered transplanted rice varieties			Seeds, Fertilizers and pesticides
7	Varietal performance	Rice	Suitable hybrid variety under Sali situation		Performance of Bayers Hybrid rice variety				Seeds, Fertilizers and pesticides
8	Varietal performance	Marigold	Lack of knowledge, awareness on summer marigold variety	Evaluation of Kharif Marigold T1: AAUM - 1 T2: AAUM - 2 T3: AAUM-3 T4: AAUM-4 Check: Seracole	NA	Production & management technology	NA	Training, Demonstration, field visit	Planting materials

9	Varietal performance	Strawberry	Introduction of new high value crop is required to increase the farmer's income. Farmers are unaware of scientific cultivation practice of strawberry	Performance of Strawberry variety Sweet charlie in Nagaon District	NA	Production & management technology	NA	Training, Demonstration, field visit	Planting materials, fertilizer, pesticides
10	Varietal Performance	Apple	Lack of knowledge & Introduction of the high value crop	NA	Popularization of apple in Nagaon District	Production & management technology	NA	Training, Demonstration, field visit	Planting material, fertilizers and pesticides
11	Varietal Performance	Pumpkin	Better utilization of rice fallow and lack of established var.	NA	Popularization of Pumpkin hybrid Arjuna in Rice based cropping sequence T1: Pumpkin var Arjuna T2: Farmers practice (local var)	Production & management technology	NA	Training, Demonstration, field visit	Planting material, fertilizers and pesticides

12	Soil Microbes	Rice	Indiscriminate use of chemical fertilizers	Exploitation of Potash Solubilizing Bacteria in reduction of Potassic Fertilizers on <i>Sali</i> paddy (Ranjit)	-	-	-	-	Seed, fertilizers, biofertilizers, pesticides
13	Soil Microbes	Rice	Emerging deficiency of Zinc in soils	Response of Rice to Zn Solubilizing Bacteria for Zn Nutrition (Ranjit)	-	-	-	-	Seed, fertilizers, biofertilizers, pesticides
14	Soil health	Rice	No organic package for rice cultivation	Organic nutrients for rice (Var. Joha)	-	-	-	-	Seed, enriched compost, biofertilizers, organic pesticides
15	Nutrient management	Rice	No fertilizer prescription equation for targeted yield of Hybrid Rice	Fertilizer prescription equation for targeted yield of Hybrid Rice (US 382)					Seed, fertilizers, pesticides
16	Nutrient management	Toria	Increasing deficiency of sulphur and boron	Testing of developed package for combined effect of S and B on Toria	-	-	-	-	Seed, fertilizers, pesticides
	vermicomposting	-	-	-	Production of vermicompost in low cost vermicompost unit	-	-	-	Polythene sheet, earthworms
17	Impact assessment	others	Most effective training method	Impact assessment of KVK trainings	-	-	-	-	-

18	Breed upgradation	Goatery	Non availability of good quality goat breed	Upgradation of Local Doe with Beetal Buck	-	-	-	-	3 months old beetal buck, vitamins, medicines
19	Breed introduction	Poultry	Non availability of low cholesterol meat	Performance Evaluation of Japanese Quail	-	-	-	-	5 days old quail chicks, vitamins, medicines
20	Breed popularization	Poultry	-	-	Popularization Of Vanaraja Bird Under Backyard Farming	-	-	-	Vanaraja DOC, vitamins, medicines
21	Nutrition supplementation	Complementary food	Nutrient inadequacy	Reduction of bulk from nutrient dense complementary food		Maternal and child care			
22	Plant protection	Potato	Lack of ecofriendly pest management strategy in Potato	Integrated Pest Management in Potato	NA	IPM in potato	NA	Training, Demonstration, field visit	Planting materials, IPM module
23	Plant protection	Tomato	Lack of ecofriendly disease management strategy in Tomato	Evaluation of Bioveer against wilt disease of Tomato	NA	Wilt disease management in tomato	NA	Training, Demonstration, field visit	Planting materials, IPM module

24	Plant protection	Brinjal	Lack of ecofriendly pest management strategy in Brinjal	NA	Integrated Pest Management Module in Brinjal <i>Var: Black Beauty</i>	IPM in Brinjal	NA	Training, Demonstration, field visit	Planting materials, IPM module
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3.1 Achievements on technologies assessed and refined during 2018-19

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	1									1
Integrated Crop Management	1								1	2
Integrated Nutrient Management	2									2
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition	1	1	1		1					4
Integrated Pest Management					1					1
Integrated Disease Management					1					1

t										
Resource conservation technology										
Small Scale income generating enterprises										
Others	2									2
TOTAL	7	1	1		1		1	1	1	13

* 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

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	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds		1						1
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating								

enterprises								
Breed Upgradation				1				1
TOTAL		1		1				2

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	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.	Performance of sweet sorghum varieties	Lack of suitable source of biofuel production	T1: RVICSH 28 T2:ICSV 93046	Sweet sorghum	2	<table border="1"> <tr> <td>Variety</td> <td>RVICSH 28</td> <td>ICSV 93046</td> </tr> <tr> <td>D/S</td> <td colspan="2">10.08.2018</td> </tr> <tr> <td>Plant h.t</td> <td>2.8 to 4.3 m</td> <td>2.6 m to 3.50 m</td> </tr> <tr> <td>Leaves /plt</td> <td>17 to 19</td> <td>15 to 17</td> </tr> <tr> <td>Fresh weight/ sq. m</td> <td>11.37 kg</td> <td>8.78 kg</td> </tr> <tr> <td>Grain Yield (t/ha)</td> <td>1.95</td> <td>1.37</td> </tr> <tr> <td>Fodder yield (t/ha)</td> <td>10.50</td> <td>8.25</td> </tr> <tr> <td>B:C</td> <td>2.07</td> <td>1.89</td> </tr> </table>	Variety	RVICSH 28	ICSV 93046	D/S	10.08.2018		Plant h.t	2.8 to 4.3 m	2.6 m to 3.50 m	Leaves /plt	17 to 19	15 to 17	Fresh weight/ sq. m	11.37 kg	8.78 kg	Grain Yield (t/ha)	1.95	1.37	Fodder yield (t/ha)	10.50	8.25	B:C	2.07	1.89	The crop has shown immense potential as the growth and yield is concerned	Few more trials needed for confirmation of the study	T1:2.07: T2:1.89
Variety	RVICSH 28	ICSV 93046																															
D/S	10.08.2018																																
Plant h.t	2.8 to 4.3 m	2.6 m to 3.50 m																															
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B:C	2.07	1.89																															
2.	Efficacy and residual effect of Integrated weed management in rice-toria cropping sequence Rice Var.	Lack of effective weed management practices in rice based cropping system	T1: Pretilachlor @ 0.75 kg/ha + Weeding at 30 DAT T2: Farmer's practice	Rice-toria	3	<table border="1"> <tr> <td>TTB 404</td> <td>T1</td> <td>T2</td> </tr> <tr> <td>D/T</td> <td colspan="2">29.JUNE .2018</td> </tr> <tr> <td>Plnt ht.(MT stage)</td> <td>113.6 cm</td> <td>110.7 cm</td> </tr> <tr> <td>No. of Panicles per plt.</td> <td>28</td> <td>22</td> </tr> <tr> <td>REY(t/ha)</td> <td>5.91 t/ha</td> <td>4.92 t/ha</td> </tr> </table>	TTB 404	T1	T2	D/T	29.JUNE .2018		Plnt ht.(MT stage)	113.6 cm	110.7 cm	No. of Panicles per plt.	28	22	REY(t/ha)	5.91 t/ha	4.92 t/ha	Farmers were satisfied with the weed management practice followed.	No mortality was observed in toria due to usage of pre emergence herbicide										
TTB 404	T1	T2																															
D/T	29.JUNE .2018																																
Plnt ht.(MT stage)	113.6 cm	110.7 cm																															
No. of Panicles per plt.	28	22																															
REY(t/ha)	5.91 t/ha	4.92 t/ha																															

	TTB 404 Toriat TS 38																																
3.	Effect of planting time on small tuber potato variety to improved varieties under rainfed condition of Assam		T1: White eyed tuber T2: Red Eyed tuber D/S: 15.10.2018 30.10.2018	Potato	2	<table border="1"> <thead> <tr> <th rowspan="2">Date of sowing</th> <th colspan="2">15.10.2018</th> <th colspan="2">30.10.2018</th> </tr> <tr> <th>T1</th> <th>T2</th> <th>T1</th> <th>T2</th> </tr> </thead> <tbody> <tr> <td>Avg. No. of branches</td> <td>3.90</td> <td>6.31</td> <td>4.30</td> <td>6.17</td> </tr> <tr> <td>Plant ht. (cm)</td> <td>41.80</td> <td>20.32</td> <td>57.95</td> <td>26.16</td> </tr> <tr> <td>Yield (t/ha)</td> <td>3.36</td> <td>3.18</td> <td>2.47</td> <td>2.22</td> </tr> </tbody> </table>	Date of sowing	15.10.2018		30.10.2018		T1	T2	T1	T2	Avg. No. of branches	3.90	6.31	4.30	6.17	Plant ht. (cm)	41.80	20.32	57.95	26.16	Yield (t/ha)	3.36	3.18	2.47	2.22	The crop was found to be tolerant against pest and diseases	It has higher prospects due to higher market prices as compared to the other varieties	T1:1.94 T2:1.90 T3:1.89 T4:1.77
Date of sowing	15.10.2018		30.10.2018																														
	T1	T2	T1	T2																													
Avg. No. of branches	3.90	6.31	4.30	6.17																													
Plant ht. (cm)	41.80	20.32	57.95	26.16																													
Yield (t/ha)	3.36	3.18	2.47	2.22																													
4.	Effect of chemicals in controlling pre-harvest sprouting in wheat	Pre-harvest sprouting in wheat	T1: Spraying of 7.5% NaCl at milking & maturity stage T2: Spraying of 150 ppm Na-molybdate at milking & maturity stage	Wheat	2	<table border="1"> <thead> <tr> <th></th> <th>T1</th> <th>T2</th> </tr> </thead> <tbody> <tr> <td>D/S</td> <td colspan="2">18.11.2018</td> </tr> <tr> <td>Plant ht (cm)</td> <td>79.8 cm</td> <td>78.9 cm</td> </tr> <tr> <td>No. of earhead /m²</td> <td>294</td> <td>293</td> </tr> <tr> <td>Grains /earhead</td> <td>28.3</td> <td>27.9</td> </tr> <tr> <td>Days to maturity</td> <td colspan="2">129</td> </tr> <tr> <td>1000 grain wt .</td> <td>43.20</td> <td>44.12</td> </tr> <tr> <td>Grain yield (t/ha)</td> <td>2.63</td> <td>2.61</td> </tr> </tbody> </table>		T1	T2	D/S	18.11.2018		Plant ht (cm)	79.8 cm	78.9 cm	No. of earhead /m ²	294	293	Grains /earhead	28.3	27.9	Days to maturity	129		1000 grain wt .	43.20	44.12	Grain yield (t/ha)	2.63	2.61	The yield of the crop is satisfying	The harvesting was done before onset of monsoon	T1:1.73 T2:1.81
	T1	T2																															
D/S	18.11.2018																																
Plant ht (cm)	79.8 cm	78.9 cm																															
No. of earhead /m ²	294	293																															
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Days to maturity	129																																
1000 grain wt .	43.20	44.12																															
Grain yield (t/ha)	2.63	2.61																															
5.	Exploitation of Potash Solubilizers	Indiscriminate use of chemicals	T ₁ : NPK @ 40:20:10 kg/ha + Microbial	Rice	3	<table border="1"> <tbody> <tr> <td>D/T</td> <td>21/07/18 to 26/07/18</td> </tr> <tr> <td>D/H</td> <td>24/12/18 to 28/12/18</td> </tr> </tbody> </table>	D/T	21/07/18 to 26/07/18	D/H	24/12/18 to 28/12/18	Farmers were satisfied with the	Technology was found suitable in	T ₁ : 2.08 T ₂ :																				
D/T	21/07/18 to 26/07/18																																
D/H	24/12/18 to 28/12/18																																

	ng Bacteria in reduction of Potassic Fertilizers on <i>Sali</i> paddy (Ranjit)	l fertilizers	consortia of KSB. T ₂ : NPK @ 40:20:20 kg/ha				T1	T2		technology	the situation	1.89
						Plant ht. (cm)	98.6	96.2				
						No. of tillers/hill	14	12				
						Panicle length (cm)	19.5	18.6				
						Yield (q/ha)	51.31	49.53				
6.	Response of Rice to Zn Solubilizing Bacteria for Zn Nutrition (Ranjit)	Emerging deficiency of Zinc in soils	T ₁ : N: P:K@ 40:20:20 kg/ha + Zinc solubilizing bacteria @ 3.5 kg/ha T ₂ : N:P:K @ 40:20:20 kg/ha + Zinc Sulphate @ 25 kg/ha	Rice	3	D/T 19.07.18 to 26.07.18 D/H 25.12.18 to 29.12.18	T1	T2		Farmers were satisfied with the technology	Technology was found suitable in the situation	T ₁ : 2.12 T ₂ : 1.77
						Plant ht. (cm)	101.6	99.5				
						No. of tillers/hill	15	13				
						Panicle length (cm)	21.5	21.2				
						Yield (q/ha)	52.22	50.10				
7.	Organic nutrients for rice (Var. Joha)	No organic package for rice cultivation	T ₁ : Enriched compost @ 5 t/ha + Biofertilizers consortia (Azospirillum + PSB) T ₂ : RDF	Rice	3	Yield: T ₁ : 36.50 T ₂ : 33.15				Farmers were satisfied with the technology	Technology was found suitable in the situation	T ₁ : 1.58 T ₂ : 2.31

8.	Fertilizer prescription equation for targeted yield of Hybrid Rice (US 382)	No fertilizer prescription equation for targeted yield of Hybrid Rice	T ₁ : RDF T ₂ : NPK based on soil test value T ₃ : NPK based on soil test value + vermicompost @2t/ha	Rice	3	Yield: T ₁ : 63.48 (q/ha) T ₂ : 74.60 (q/ha) T ₃ : 77.63 (q/ha)					Farmers were satisfied with the technology	Yield was satisfactory	T ₁ : 2.3 T ₂ : 2.5 T ₃ : 2.6
9.	Testing of developed package for combined effect of S and B on Toria	Increasing deficiency of sulphur and boron	T ₁ : RDF T ₂ : Developed package (S @ 20kg /ha + B 1.5 kg/ha + RD NPK)	Toria	3	Yield: T ₁ : 9.81 (q/ha) T ₂ : 10.70 (q/ha) T ₃ : 77.63 (q/ha)					Yield was satisfactory	Technology was found suitable in the situation	T ₁ : 1.78 T ₂ : 2.01
10.	Evaluation of Kharif Marigold	Lack of knowledge, awareness on summer marigold variety	T1: AAUM-1 T2: AAUM-2 T3: AAUM-3 T4: AAUM-4 Check: Seracole	Kharif Marigold	3	Variety	Days to 50% flowering	No of flowers/plant	Individual flower weight (gm)	Yield q/ha	Satisfied with the performance of the variety	NIL	T1:4.6 T2:2.3 T3:3.6 T4:2.1 T5:4.4
						T1	40-45	87	12	1037			

						T2	60-65	55	9	689				
						T3	45-50	74	13	867				
						T4	65	46	12.5	494				
						T5	70	89	14	993				
11.	Performance of Strawberry variety Sweet charlie in Nagaon District	Farmers are unaware of scientific cultivation practice of strawberry	T 1: Cultivation with recommended practices T2: Farmer's practice	Strawberry	3	Technology	Number of runners per plant	No. of fruits/plant	Fruit wt/plant (g)	Yield (q/ha)	Satisfied with the performance of the variety	NIL	T1:3.6 T2:2.6	
						T1	2-3	15	211	54.85				
						T2	1-2	13	136	29.34				
12.	Integrated Pest Management in Potato	Lack of ecofriendly pest management strategy in Potato	IPM Module • Summer deep ploughing • Prepare high ridge to cover exposed tubers • YS	Potato	3	Parameters	Khufri T1	Check T2			Satisfied with the technology	NIL	T1:4.2 T2:2.3	
						D/S	16/11/18							
						D/H	3/2/19	5/2/19						
						Aphid population /plant	3.8	22.5						
						PTM Infested Tuber (%)	0.2	1.8						

			T @10 nos./bigha against PTM and aphids <ul style="list-style-type: none"> Spray Dimethoate @0.07% against PTM and aphid Spray Imidacloprid @0.03 ml/lit at 30,55 and 85 DAS 																						
13.	Evaluation of Bioveer against wilt disease of Tomato	Lack of ecofriendly disease management strategy in Tomato	<ul style="list-style-type: none"> Seed treatment with Bioveer @ 100 g/kg seed. RDT @ 1 Kg Bioveer/1000 seedlings Soil application of Bioveer 	Tomato	3	<table border="1"> <thead> <tr> <th>Parameters</th> <th>Treatment T1</th> <th>Check T2</th> </tr> </thead> <tbody> <tr> <td>% wilt incidence</td> <td>1.3</td> <td>7.6</td> </tr> <tr> <td>Fruit/plant</td> <td>22.8</td> <td>19.2</td> </tr> <tr> <td>Fruit wt (g)</td> <td>30.3</td> <td>29.4</td> </tr> <tr> <td>Yield (q/ha)</td> <td>291.5</td> <td>188.0</td> </tr> </tbody> </table>	Parameters	Treatment T1	Check T2	% wilt incidence	1.3	7.6	Fruit/plant	22.8	19.2	Fruit wt (g)	30.3	29.4	Yield (q/ha)	291.5	188.0		Satisfied with the technology	NIL	T1:3.27 T2:2.06
Parameters	Treatment T1	Check T2																							
% wilt incidence	1.3	7.6																							
Fruit/plant	22.8	19.2																							
Fruit wt (g)	30.3	29.4																							
Yield (q/ha)	291.5	188.0																							

			@ 100 gm/ plant (1kg Bioveer + 10 Kg Vermicompost)						
14.	Performance evaluation of Japanese Quail	Non availability of low cholesterol meat	Japanese Quail	Poultry	3	<p>1. Avg. Body wt./bird :</p> <p><i>1st Month</i> – 130 gm</p> <p><i>2nd Month</i>- 210 g</p> <p><i>3rd Month</i>- 290 gm</p> <p>2. Age at 1st Egg: 51 days</p> <p>3. Age at sexual maturity : 62 days</p> <p>4. Av. Egg production / bird : 92 nos.</p> <p>4. Disease incidence : 15% (cold stress & Salmonellosis)</p>	Farmers showed interest to rear quail as it is easy to rear and can consume by even high B.P. & diabetic patient.	Cannibalism & soft shell egg was very much pronounced even after mineral, calcium and vitamin supplementation.	2.39
15.	Upgradation of Local Doe with Beetal Buck	Non availability of good quality goat breed	Beetal Buck	Goatery	3	On-going	-	-	-

16.	Reduction of bulk from nutrient dense complementary food	Nutrient inadequacy	T ₁ :- Rice flour : malted green gram flour : flaxseed powder : carrot powder : muskmelon seed powder :: 70:15:5:5:5 T ₂ :- 60:20:5:10:5 T ₃ :- 65:15:5:10:5	Complementary food	10	Formulation T ₁ was well accepted			
17.	Impact assessment of KVK trainings	Most effective training method	Impact assessment	others	3	1. Change in cognitive outcome - 87% 2. Change in skill based outcome- 81% 3. Change in attitude -75%	-	-	NA

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

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

3.2 Achievements of Frontline Demonstrations during 2018-19

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

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

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Pumpkin	Popularization of pumpkin var Arjuna	5	10	6

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1.	Rice	Varietal popularization	T1: Ranjit Sub 1 T2: Swarna Sub 1	Kharif, 2018-19	3	3	4	2	6	NA	Rainfed, Sandy clay laom medium land	M	L	L
2.	Rice	Contingency planning	T1: Gitesh T2: Dishang	Kharif, 2018-19	1	1	3	1	4	NA	Rainfed, Sandy clay laom medium land	M	L	L
3.	Rice	Hybrid rice	T1: Arize 6444 Gold T2: Ranjit	Kharif, 2018-19	0.26	0.26	2	-	2	NA	Rainfed, clay laom medium land	M	M	L
4.	Apple	Varietal performance	Popularization of apple in Nagaon	Kharif	0.1	0.1	1	2	3	NA	Irrigated sandy loam to clay loam	M	L	M

			District											
5.	Pumpkin	Varietal performance	Popularization of Pumpkin hybrid Arjuna in Rice based cropping sequence T1: Pumpkin var Arjuna T2: Farmers practice (local var)	Rabi	0.13	0.13	2	1	3	NA	Irrigated sandy loam to clay loam	M	L	M
6.	Apple	Varietal performance	Popularization of apple in Nagaon District	Kharif	0.1	0.1	1	2	3	NA	Irrigated sandy loam to clay loam	M	L	M
7.	Pumpkin	Varietal performance	Popularization of Pumpkin hybrid Arjuna in Rice based cropping sequence T1: Pumpkin var Arjuna	Rabi	0.13	0.13	2	1	3	NA	Irrigated sandy loam to clay loam	M	L	M

			T2: Farmers practice (local var)													
8.	Brinjal	Pest Management	Integrated Pest Management Module in Brinjal <i>Var: Black Beauty</i>	Rabi	0.1	0.1	1	2	3	NA	Irrigated sandy loam to clay loam	M	L	M		

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	GC**	GR**	NR*	BCR**	GC	GR	NR	BCR		
																	Demo	Local
1.	Rice	Varietal popularization	3	51.40	44.3	16.03	57.8	41.2	Stem borer, Leaf folder	Stem borer,	21500	395480	18048	1.87	21500	34800	13300	1.61

2.	Rice	Contingency planning	1	49.2	38.31	28.4	50.6	35.2	Stem borer	Case worm	22900	39200	16300	1.71	22900	30400	7500	1.39
3.	Rice	Hybrid rice	0.13	55.1	43.3	27.9	62.4	42.9	NA	NA	22800	44080	21280	1.93	22800	34640	11840	1.51
4.	Apple ber	Varietal performance	0.1	115.2	-	-	126.8	80.34			96125	2,30,400	134275	2.4	-	-	-	-
5.	Pumpkin	Varietal performance	0.13	166.2	124.34	33.66	172	125	Fruit fly 8%	Fruit fly 15%	78460	332400	253940	4.2	56520	161642	105122	2.9
6.	Brinjal	IPM	0.1	215	169	27.21	345	119	Aphid, Jassid, F & S borer	Aphid, Jassid, F & S borer	40125	93750	53625	2.31	40125	75000	40125	1.84

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

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

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

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

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

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants				Remarks
				Gen	Others	SC/ST	Total	
1	Field days	6	16.2.2019	12	10	3	25	
			18.02.2019	18	12	5	35	
			28.02.2019	19	3	4	25	
			1.03.2019	21	5	2	28	
			2.03.2019	25	7	1	33	
			5.03.2019	32	-	-	32	
2	Farmers Training	9		85	116	33	234	
3	Media coverage	5		-	-	-	-	
4	Training for extension functionaries							
5	Any other (Pl. specify) Method demonstrations	10		95	117	40	252	

e. Details of FLD on Enterprises

(i) Farm Implements

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

S l. N o.	Ente rpris e/ Cate gory (e.g., Dair y, Poult ry etc.)	Them atic area	Nam e of Tech nolog y	No. of farm ers	No. of uni ts	No. of ani mal s, pou ltry bir ds etc.	Major Performance parameters / indicators			% chang e in the para meter	Ot her pa ra me ter s (if an y)	Econ. of demo. (Rs./Unit.)				Econ. of check (Rs./Ha.)				Rem arks		
							para meter s	Demo	Check			D e m o	C h e c k	G C **	G R* *	N R **	B C R* *	G C	G R		N R	B C R
1	Poult ry	Breed populari zation	Vana raja	8			Body wt :DOC 1 st Mth	38.5 g	32 g		-	-	49 00	13 60 0	87 00	2.7 7	34 00	5 8 0 0	2 4 0 0	1. 70	Farm ers like vana raja for its profi tabili ty.	
				8	160		2 nd Mt h	855 g	160 g	142.86 % in terms of body wt.												
							4 th Mt h	1250 g	750 g													
							6 th Mth	3400 g	1400 g													

							Age at 1 st egg	5 mth20 days	6 mth28 days										
							Egg Produ ction	11 nos / Mth	5 nos / Mth	135.71 % in terms of egg produ ction.									
							Av. egg wt.	132 nos/yr	56 nos/yr										
							Morta lity	54 gm 5%	40 gm 3%										

**** 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

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	The matric 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	
1	Weed Fish	Value addition	Fish pickle preparation using weed fishes	40	2		Taste, selflife													

**** 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.	The matric area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		GC**	GR**	NR**	BCR**	GC	GR	NR	BCR			
1	Mushroom	-	Oyster mushrooms cultivation	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	Harvested two times
2	Vermicompost	Soil organism	Production of vermicompost under lowcost vermicompost technology	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	1 st harvesting completed. 6.5q in 1 harvest

**** 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

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				

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost	The matric 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		

	t, apiculture etc.																		
1	Vermi compost	Soil organism	Production of vermicompost under low cost vermicompost technology	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	3 rd harvest completed. 6.8 q in 1 harvest

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.)			
					Dem o.	Chec k		H*	L*	GC*	GR*	NR*	BC R*	GC	GR	NR	BC R

													*					
1	Rice	Arize 6444 Gold	0.13	2	55.1	43.3	27.9	62.4	42.9	22800	44080	21280	1.93	22800	34640	11840	1.51	
2	Pumpkin	Arjuna	0.13	3	166.2	124.34	33.66	172	125	78460	332400	253940	4.2	56520	161642	105122	2.9	

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

Thematic area	No. of Courses/ prog			Participants																	Grand Total (x + y)
	On-Campus (1)	Sp on On * (2)	Total (1+2)	General						SC/ST						Total					
				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)	
I. Crop Production																					

Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						

Fodder production																				
Production of organic inputs																				
II. Horticulture																				
a) Vegetable Crops																				
Production of low volume and high value crops																				
Off-season vegetables																				
Nursery raising																				
Exotic vegetables like Broccoli																				
Export potential vegetables																				
Grading and																				

standardization																					
Protective cultivation (Green Houses, Shade Net etc.)																					
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards																					
Cultivation of Fruit																					
Management of young plants/orchards																					
Rejuvenation of old orchards																					
Export																					

potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques																					
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					

d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing																					

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

Nutrient Management																					
Production and use of organic inputs																					
Management of Problematic soils																					
Micro nutrient deficiency in crops																					
Nutrient Use Efficiency																					
Soil and Water Testing																					
IV Livestock Production and Management																					
Dairy Management																					
Poultry Management																					

Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and developm																						

ent of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet	1	-	1	-	-	25	-	25	-	-	-	-	-	-	-	-	-	25	-	25	-	25
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						

Income generation activities for empowerment of rural Women	1	-	1	-	-	25	-	25	-	-	-	-	-	-	-	-	-	25	-	25	-	25	
Location specific drudgery reduction technologies																							
Rural Crafts	1	-	1	-	-	20	-	20	-	-	-	5	-	5	-	-	-	25	-	25	-	25	
Women and child care																							
VI Agril. Engineering																							
Installation and maintenance of micro irrigation systems																							
Use of Plastics in farming																							

practices																							
Production of small tools and implements																							
Repair and maintenance of farm machinery and implements																							
Small scale processing and value addition																							
Post Harvest Technology																							
VII Plant Protection																							
Integrated Pest Management																							
Integrated																							

Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming	1	-	1	21	-	-	-	21	-	4	-	-	-	4	-	25	-	-	-	25	-	25
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish	2	-	2	36	-	-	-	36	-	8	-	6	-	14	-	44	-	6	-	50	-	50

culture																						
Fish processing and value addition	1	-	1	-	-	10	-	10	-	-	-	20	-	20	-	-	-	30	-	30	-	30
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value																						

addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						

Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics	1	-	1	-	-	26	-	26	-	-	-	-	-	-	-	-	-	26	-	26	-	26
Formation and Management of SHGs	3	-	2	-	-	50	-	50	-	-	-	-	-	-	-	-	-	50	-	50	-	75

Mobilization of social capital																						
Entrepreneurial development of farmers/youths	2	-	2	-	-	50	-	50	-	-	-	-	-	-	-	-	-	50	-	50	-	50
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	13		12													69		237		306		306
3.3.2. Achievements on Training of <u>Farmers and Farm Women</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes (*Sp. Off means Off Campus training programmes sponsored by external agencies)																						

Thematic area	No. of Courses/ prg.			Participants																		Grand Total	
	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	1	-	1	-	-	-	-	-	-	21	-	4	-	25	-	21	-	4	-	25	-	25	
Water management	1	-	1	-	-	-	-	-	-	21	-	7	-	28	-	21	-	7	-	26	-	28	
Cropping Systems	1	-	1	12	-	3	-	15	-	7	-	4	-	11	-	19	-	6	-	25	-	25	
Contingency cropping	2	--	2	-	-	-	-	-	-	42	-	8	-	50	-	42	-	8	-	50	-	50	
Seed production	6	-	6	76	-	26	-	46	-	8	-	54	-	114	-	38	-	114	-	38	-	150	
Nursery management	1	-	1	-	-	-	-	-	-	21	-	9	-	30	-	21	-	9	-	30	-	30	
Market study																							
Fodder production																							
Production of organic																							

inputs																				
II. Horticulture																				
a) Vegetable Crops																				
Production of low volume and high value crops																				
Off-season vegetables																				
Nursery raising																				
Exotic vegetables like Broccoli																				
Export potential vegetables																				
Grading and standardization																				
Protective cultivation (Green																				

Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit	3	--	3	32	-	15	-	47	-	20	-	8	-	28	-	52	-	23	-	75	-	75
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	1	-	1	12	-	3	-	15	-	9	-	2	-	11	-	21	-	5	-	26	-	26
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production of low volume	1	-	1	16	-	3	-	19	-	4	-	2	-	6	-	20	-	5	-	25	-	25

and high value crops																						
Processing and value addition																						
e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology	1	-	1	-	-	-	-	-	-	18	-	7	-	25	-	18	-	7	-	25	-	25
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	3	-	3	12	-	3	-	15	-	47	-	15	-	64	-	61	-	17	-	78	-	78
Soil and Water Conservation	1	-	1	21	-	5	-	26	-	-	-	-	-	-	-	21	-	5	-	26	-	26
Integrated Nutrient Management	1	-	1	-	-	-	-	-	-	21	-	4	-	25	-	21	-	4	-	25	-	25

Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing	1	-	1	-	-	-	-	-	-	22	-	7	-	29	-	22	-	7	-	29	-	29
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						

Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Community Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost	1	-	1	-	-	25	-	25	-	-	-	-	-	-	-	-	-	25	-	25	-	25

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	-	1	-	-	-	-	-	-	-	-	25	-	25	-	-	-	25	-	25	-	25
Income generation activities for																						

empowerment of rural Women																					
Location specific drudgery reduction technologies																					
Rural Crafts																					
Women and child care	1		1			15		15			10		10				25		25		25
VI Agril. Engineering																					
Installation and maintenance of micro irrigation systems																					
Use of Plastics in farming practices																					
Production of small																					

tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						

Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming	1	-	1	21	-	-	-	21	-	4	-	-	-	4	-	25	-	-	-	25	-	25
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture	2	-	2	36	-	-	-	36	-	8	-	6	-	14	-	44	-	6	-	50	-	50
Fish processing	1	-	1	-	-	10	-	10	-	-	-	20	-	20	-	-	-	30	-	30	-	30

and value addition																						
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	2	-	2	50	-	-	-	50	-	4	-	-	-	4	-	54	-	-	-	54	-	54
Formation and Management of SHGs	2	-	-	-	-	25	-	25	-	-	-	28	-	28	-	-	-	53	-	53	-	53
Mobilization of social																						

capital																						
Entrepreneurial development of farmers/youths	3	-	-	36	-	-	-	36	-	26	-	14	-	40	-	62	-	14	-	76	-	76
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL	38															651	0	438	0	1089	1089	
(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)						
	On (1)	Sp On * (2)	Total (1+2)	General						SC/ST						Total										
				Male		Female		Total		Male		Female		Total		Male		Female			Total					
				O n (4)	Sp · On (5)	O n (6)	Sp · On (7)	O n (a = 4+ 6)	Sp · On (b = 5+ 7)	O n (8)	Sp · On (9)	O n (10)	Sp · On (11)	O n (c= 8+1 0)	Sp. On (d= 9+1 1)	O n (4+ 8)	Sp. On (5+ 9)	O n (6+1 0)	Sp. On (7+1 1)		O n (x = a +c)	Sp. On (y = b +d)				
Mushroom Production																										
Bee-keeping																										
Integrated farming																										
Seed production																										
Production of organic																										

inputs																						
Integrated Farming																						
Planting material production	1	-	1	21	-	5	-	26	-	-	-	-	-	-	-	21	-	5	-	26	-	26
Vermiculture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management																						

ent of Horticulture crops																				
Training and pruning of orchards																				
Value addition																				
Production of quality animal products																				
Dairying																				
Sheep and goat rearing																				
Quail farming																				
Piggery																				
Rabbit farming																				
Poultry production																				
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	1	-	1	8	-	10	-	18	-	-	-	7	-	7	-	8	-	17	-	25	-	25
TOTAL	2														160		102		262		262	

3.3.4. Achievements on Training of Rural Youth 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*	
Mushroom Productio																						

n																						
Bee-keeping																						
Crop management	1	-	1	-	-	-	-	-	-	21	-	9	-	30	-	21	-	9	-	30	-	30
Water management	1	-	1	21	-	5	-	26	-	-	-	-	-	-	-	21	-	5	-	26	-	26
Production of organic inputs	2	-	2	19	-	9	-	28	-	21	-	5	-	26	-	40	-	14	-	54	-	54
Integrated Farming	1	-	1	20	-	-	-	20	-	5	-	-	-	5	-	25	-	-	-	25	-	25
Planting material production																						
Vermiculture	1	0	1	0	24	0	0	0	24	0	5	0	0	0	5	0	29	0	0	0	29	29
Sericulture																						
Protected cultivation of vegetable crops	1	-	1	-	-	-	-	-	-	24	-	2	-	26	-	24	-	2	-	26	-	26

Commercial fruit production																							
Repair and maintenance of farm machinery and implements																							
Nursery Management of Horticulture crops																							
Training and pruning of orchards																							
Value addition																							
Women and child care	1	-	1	-	-	-	-	-	-	-	-	25	-	25	-	-	-	25	-	25	-	25	
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	1	-	1	-	-	10	-	10	-	-	-	15	-	15	-	-	-	25	-	25	-	25
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						

TOTAL	9															160		80		240		
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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)			
	On (1)	Sp On * (2)	Total (1+2)	General						SC/ST						Total								
				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)		
Productivity enhancement in field crops																								
Integrated Pest Managem																								

ent																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity																						

building for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals																					
Livestock feed and fodder production																					
Household food security																					
Women and Child care																					
Low cost and																					

nutrient efficient diet designing																						
Production and use of organic inputs	1	0	1	0	23	0	0	0	23	0	4	0	0	0	4	0	27	0	0	0	27	27
Gender mainstreaming through SHGs																						
Soil testing	1	0	1	0	24	0	0	0	24	0	5	0	0	0	5	0	29	0	0	0	29	29
Total	2															56	0	0	0	0	56	56

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

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

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

Productivity enhancement in field crops																					
Integrated Pest Management																					
Integrated Nutrient management																					
Rejuvenation of old orchards																					
Protected cultivation technology																					
Formation and Management of SHGs																					
Group Dynamics and farmers organization																					

on																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household																						

food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
Soil testing	-	1	1	10	-	4	-	14	-	5	-	2	-	7	-	19	-	6	-	25	-	25
TOTAL	-	1	1	10	-	4	-	14	-	5	-	2	-	7	-	19	-	6	-	25	-	25

Note: Please furnish the details of above training programmes as Annexure 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
Community Science	Skill development	Skill development in art and craft for income generation	20.02.19 to 21.02.19	2	KVK, Campus	Farm Women	-	17	17	-	10	10	-	27	27
TOTAL							-	17	17	-	10	10	0	27	27

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	Nursery management	Nursery management in Salirice	27.5.18	1	Borkacharigaon	Farmer & Farm women	-	-	-	15	10	25	15	10	25

	Production and Management Technology	Scientific production technology in Sali rice	6.07.18	1	Borkacharigaon	Farmer & Farm women	-	-	-	21	4	25	21	4	25
	Water harvesting	Water harvesting using Jalkund	12.04.2019 to 14.04.2019	2	Borkacharigaon	Rural Youth	-	-	-	21	7	28	07	21	28
	Production and Management Technology	Scientific production technology of potato	19.08.2018	1	Jamuguri	Farmer & Farm women	17	6	23	2	0	2	15	10	25
	Crop production	Agronomy of rabi pulses	7.11.2018	1	Nasatra	Farmer & Farm women	21	5	20	-	-	-	21	5	26
	Contingency crop planning	Nutrient management in cereals	18.11.2018	1	Kathiatoli	Farmer & Farm women	21	5	20	-	-	-	21	5	25
	Crop production and management	Scientific production technology of Boro rice	14.12.2018	1	Kawaimari	Farmer & Farm women	21	5	20	-	-	-	21	5	25
	Crop production	Scientific production	20.11.201	1	Shillonga	Farmer & Farm women	-	-	-	21	4	25	21	4	25

	tion and management	of wheat	8		ni											
	Weed management	Weed management in bau paddy	29.02.2018	1	Bebejia	Farmer & Farm women	-	-	-	21	4	25	21	4	25	
	Crop production and management	Scientific crop production technology of fibre crops	17.02.2019	1	Kampur	Farmer & Farm women	17	6	23	2	0	2	15	10	25	
Horticulture	Production and Management Technology	Production and management technology of Assam Lemon	26/12/18 to 28/12/18	3	Borkachari gaon	Farmer & Farm women	9	6	15	7	3	10	16	9	25	
	Production and Management Technology	Production and management technology of Banana	29/12/30 to 30/12/18	2	Naharbari	Farmer & Farm women	13	4	12	6	2	8	19	6	25	
	Production and Management Techn	Production and management technology of	1/10/18 to 5/10/18	5	Bahuabheti	Farmer & Farm women	12	3	15	9	2	11	21	5	26	

	ology	commercially grown cut Flowers (Marigold & Tube rose)													
	Production and Management Technology	Production and management technology of Assam Lemon	16/3/19 to 17/3/19	2	Kamarchuk	Farmer & Farm women	10	5	15	7	3	10	17	8	25
	Production and Management Technology	Production and management technology of Coconut & Arecanut	20/3/19 to 23/3/19	3	Bebejia	Farmer & Farm women	16	3	19	4	2	6	20	5	25
	Production and Management Technology	Production and management technology of Ginger and Turmeric	29.03.19	1	Borkacharigaon	Farmer & Farm women	-	-	-	24	2	26	24	2	26
	Production and Management	Rapid multiplication of black pepper	30.03.19	1	Borkacharigaon and Nebukali	Farmer & Farm women	-	-	-	19	6	25	19	6	25

	Techn ology															
Comm nity Science																
	Value Additi on	Value Addition of Fruits & Vegetables	10.10. 18 to 11.10. 18	2	Borkacharigaon	Farm Women & Rural youth	-	-	-	-	25	25	-	25	25	
	Wome n &Chil d Care	Child safety awareness programme	14.11. 18	1	Bahuabheti	School going children & Farm Women	10	10	20	-	5	5	-	25	25	
	Wome n &Chil d Care	Nutritional care during pregnancy & childhood	28.11. 18	1	Borbheti	Farm Women	-	25	25	-	-	-	-	25	25	
	Wome n &Chil d Care	Malnutrition and its management	24.12. 18	1	Borkacharigaon	Farm Women & Rural youth	-	-	-	-	25	25	0	25	25	
Agril. Econ & FM	Entrep reneurs hip Develo pment	Agricultural Entrepreneurs hip Development for farmers	8/03/1 9,10.3. 19	1	Kamarchukgao n Borkacharigaon	Farmers & RY	20	20	40	-	10	10	-	50	50	
	Format ion & Manag ement	Formation & Management of farmers Producers Organization	9/3/19	1	Nasatra Kahuatali	Farmers	-	-	-	21	4	25	21	4	25	

	Formation & Management	Formation & Management of farmers interest group	18.11.18	1	Bahuabheti	Farmers	17	6	23	2	0	2	15	10	25
	Formation & Management	Formation & Management of SHG for economic development	12.12.18 15.9.18		Borkacharigaon , Dalang Ghat	Farmers	-	-	-	42	8	50	42	8	50
Soil Sc.	Soil fertility	Soil fertility management	10.08.18-12.08.18	3	Petboha	Farmer & Farm women	7	5	12	8	5	13	15	10	25
	Soil testing	Collection, preparation and testing of soil samples	12.11.18-14.11.18	1	Dakhin jagiyal	Farmer & Farm women	15	4	19	5	3	8	20	7	27
	Production of organic inputs	Production of organic inputs	28.10.18 – 29.10.18	2	borkacharigaon	Farmer & Farm women	-	-	-	21	7	28	07	21	28
	Soil fertility	Soil fertility management	10.08.18-12.08.18	3	Boragaon	Farmer & Farm women	4	15	19	-	8	8	20	8	27
	Soil fertility	Soil fertility management	10.08.18-12.08.	3	Dighaldori	Farmer & Farm women	21	5	20	-	-	-	21	5	26

			18													
	Production of organic inputs	Production of organic inputs	17.12.18	1	Boragaon	Rural youth	18	2	20	5	-	5	23	2	25	
	Vermiculture	Vermicomposting	22.01.19	1	Nasatra	Rural youth	21	5	20	-	-	-	21	5	25	
	Vermiculture	Vermicomposting	22.02.19	1	Nanoi	Rural youth	11	9	20	4	2	6	15	11	26	
	Production of organic inputs	Production of organic inputs	25.11.18	1	DAO, Johai	Extension personal	-	-	-	21	4	25	21	4	25	
	Problematic soil	Management of acid soil	19.01.19	1	RUDSETI, Nagaon	Extension personal	-	21	21	-	9	9	-	30	30	
Fishery Sc.	IFS	Integrated farming system with horticultural crops	22-3-19	1	Jamuguri	Farmer & Farm women	17	-	17	5	3	8	22	3	25	
	IFS	Integrated farming system with horticultural crops	26-03-19	1	Raidingia	RY	20	-	20	5	-	5	25	-	25	

Fish farming	Composite fish culture	5-2-19	1	Borkachari gaon	Farmer & Farm women	19	-	19	5	3	8	24	3	27
Fish farming	Composite fish culture	27-2-19	1	Boragaon	Farm women	15	-	15	8	3	11	23	3	26
Value addition	Fish pickle preparation using weed fishes	8-12-18	1	Simaluguri	Farm women	-	10	10	-	20	20	-	30	30
Value addition	Fish pickle preparation using weed fishes	7-2-19	1	Ambagan	RY	-	10	10	-	15	15	-	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 vent ured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Community Science	21 st to 25 th March 2019	5	Entrepreneurship development and skill development	Vocational training for Rural Youth on Entrepreneurship Development through Carpet Making	-	17	17	-	8	8	-	25	25		5	6		

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From - To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On	RY	10.12.2018 to 15.12.2018	6 days	Soil science	Organic farming	Organic farming	11	9	20	4	2	6	15	11	26	CD B	-
Off	F	14-9-18	1 day	Fishery Sc.	Fish farming	Scientific fish farming	2	-	2	20	13	33	22	13	35	TS P	-
On	F	6.9.2018	1 day	Fishery Sc.	Fish farming	Scientific fish farming	3	-	3	22	57	27	25	5	30	TS P	-
Total	3														91		

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 2018-19

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	a) Cultivation practices of field crops and horticultural crops b) Disease and pest management c) Fish farming d) Soil health management	Date: 1 st April, 2018 to 30 th Mach, 2019 Duration : 1 day	78	37	3	40	150	12	27	1	-	11	198	127	325
2	Diagnostic visit	a) Cultivation practices of field crops and horticultural crops b) Disease and pest management c) Fish farming d) Soil health management	Date: 1 st April, 2018 to 30 th 9Mach, 2018 Duration : 1 day	41	91	13	104	20	12	32	-	-	-	111	25	136
3	Field day	Oilseed Oilseed Pulses	16.2.2019 18.02.2019 28.02.2019	6	168	85	253	132	75	207	15	3	18	315	160	475

		Pulses	1.03.2019															
		Pulses	2.03.2019															
		Pulses	5.03.2019															
4	Kishan Gosthi																	
5	Kishan Mela																	
6	Film show	Soil Health Management , Organic Farming , Doubling farmers Income, Petroleum conservation																
7	SHG formation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Exhibition	KASS NASS convention	Date: (18/01/2019) (20/01/19) Duration : 3 day	3	33 6	111	447	1 4 0	95	23 5	6 1	8	69	5 4 9	202	751		
9	Scientists visit to farmers fields	a)Cultivation practices of field crops and horticultural crops b) Disease and pest management c) Fish farming d) Soil health management	Date: 1 st Apil,2018 to 30 th Mach,2019 Duration : 1 day	52	33	16	49	2 5	31	56	-	-	-	9 3	12	105		
10	Ex-trainee Sammela	Bhartiya Kisan Sangh	17.06.2018															

	n																
11	Farmers seminar/workshop			-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Method demonstration	i)Seedling root treatment with Bio fertilizer ii) Seedling root treatment on rice with Bio fertilizer iii)Bordeaux mixture preparation iv)Fertilizer application in coconut v)Application of biofertilizer in toria vi) Application of biofertilizer in rice vii)) Application of biofertilizer in lentil viii)) Application of biofertilizer in sesame	Date: 18/07/18 24/01/18 08/07/18 26/10/18 22/07/18 28/10/18 10/3/19 Duration : 1 day	8	84	36	120	168	33	201	-	-	-	212	109	321	
13	Celebration of important days	1. World environment day 2. Children's Day 3. Honble Minister Visit 4. Mahila Kisan	1. 5.6.2018 2.14.11.2018 3.30.09.2018 4. 15.10.2018 5.16.10.2018 6. 5.12.2018 7.23.12.2018	8													699

		Diwas 5. World Food Day 6World Soil Day 7. Kisan Diwas 8. International women day	8. 8.3.2019														
14	Newspaper coverage																
15	Popular articles	1. Sustainable Intensive farming for enhancing Farmer's income 2. Soil health card for sustaining crop productivity 3. Waste of food- A national Shame 4. Processing and preservation of fruits and vegetables 5. Krishi baponon 6. Maah jatia soshyor antarbhugti porijoniyota 7.Byobohaik bhiktik gladiolus phulor kheti 8. Organic farming	Udyan Jeuti 24 th Annual Assam State Agri-Hort Show (1 to 5) Sl no (6 to 8) KASS NASS Souvenir	8													

16	Radio talk	i) Crop Insurance & Agri based industries in Nagaon ii)Krishi Biponon aru Bazaror dor (iii)Pathar aru udyan Sasyo	Date: 24/12/2018,17/6/2018,8/10/2018,1/7/2018 Duration : 45 minutes 13.09.2018 (45 mins)	9	-	-	-	-	-	-	-	-	-	-	-	-
17	TV talk	(i) Scientific Agriculture for more profit (ii)Fodder utilization as a source of Doubling farmers income	6.02.2019 8.02.2019	2	-	-	-	-	-	-	-	-	-	-	-	-
18	Training manual			-	-	-	-	-	-	-	-	-	-	-	-	-
19	Soil health camp	Awareness on soil health management along with soil health card distribution	Date: 5/12/2018	1	96	87	183	115	67	182	18	17	35	294	71	365
20	Awareness camp	1. PCRA 2. PM Kisan Samman Nidhi 3. Role of Birds in IPM	8.12.2018 24.02.2019 27.02.2019	3												427
21	Lecture delivered as resource person															
22	PRA	a) Use of														

		Participatory Rural Appraisal tools in the village Bamungaon for assessment and appraisal b) Use of Participatory Rural Appraisal tools in the village Bakacharigaon for assessment and appraisal														
23	Farmer-Scientist interaction	Post flood contingency measure	Date:(23/10/17) (21/11/17) Duration : 1 day	7	78	65	143	1	86	19	-	-	-	2	95	340
24	Soil test campaign	World Soil Day	Date:05/12/18 Duration : 1 day	1	91	32	123	186	21	207	17	18	35	218	147	365
25	Mahila Mandal Convener meet															
26	Webcasting	1. PM webcasting 2. PM webcasting	1. 20.6.2018 2. 12.07.2018	2	40	64	104	60	120	180	16	20	36	100	220	320
27	Farmers Visit to	a) Purchasing of seed and planting	Date: 1 st April,2018 to 30 th	-	-	-	-	-	-	-	-	-	-	400	52	686

	KVK	material b) Disease and pest management c) Fish farming d) Soil health management e) Cultivation practices of field crops and horticultural crops	Mach,2019 Duration : 1 day													
	News letter	KVK Newsletter		1	-	-	-	-	-	-	-	-	-	-	-	-
	Research papers	I. Int J Curr Microbio App Science	1. Impact of water management on growth and yield of ahu rice varieties of Assam International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 7 Number 05 (2018) 936:941 2. Effect of Nutrient Management and Crop Geometry in Sweet Flag International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 7 Number 06 (2018) 2678-2693	2	-	-	-	-	-	-	-	-	-	-	-	-
	Leaflets/f			2	-	-	-	-	-	-	-	-	-	-	-	-

	olders																
	Abstract published	India Society of Agronomy	Weed Dynamics in Direct seeded upland rice under rainfed conditions of Assam 24.10.2018 to 26.10.2018	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Soil sample analyzed			162													
Grand Total																	9516

3.5 Production and supply of Technological products during 2018-19

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity Produced (q)	Value (Rs.)	Number of recipient/beneficiaries		
					General	SC/ST	Total
CEREALS	1. Sali Paddy						
		Ranjit Sub-1 F/S	11.21q	42598.00	200	204	404
		Ranjit Sub-1 BS	101.6 q	624840.00	300	257	557
		Gitesh FS	10.28	39064.00	100	201	301
		Gitesh F/S	2.0 q	7600.00	7	13	20
		Ranjit C/S	0.5 q	1900.00	10	25	35
		Shraboni C/S	3.60 q	11880.00	14	31	45
OILSEEDS	2. Rapeseed & Mustard						
		a) Toria (TS-38)	13.88 q	Yet to sale			
		b) Mustard (NRCHB 101)	5.0 q	Yet to sale			
	Sesamum	(Nagaon Local)	2.73 q				
PULSES	3. Greengram	(IPM 2-3)	0.5 q				
	4. Blackgram	(PU- 31)	2.62 q				

OTHERS (Specify)	Dhaincha		6.5 q				

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

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS (Rice)	12.9	727882.00	631	731	1362
2	OILSEEDS	2.2	Yet to sale			
3	PULSES	0.3				
4	OTHERS	6.5 q	Yet to sale			
TOTAL		15.4		631	731	1362

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

Planting Materials	Black pepper	Panniyur 1	722 nos	14440.00			55
	Turmeric	Megha Turmeric 1	6 q	30000.00			15

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

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
	Black pepper	722 nos	14440.00	15	40	55
2	Turmeric	6 q	30000.00	0	15	15
TOTAL			44,440	15	55	70

C. Production of Bio-Products during 2018-19

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
			BIOAGENTS					
BIOFERTILIZERS	<i>Azotobacter</i>	-	-	40	3000	68	26	120
1	<i>Azospirillum</i>	-	-	40	3000	59	24	68
2	PSB	-		40	3000	153	58	245

3	<i>Rhizobium</i>	-		40	3000	21	14	55
4								
BIO PESTICIDES								
1	<i>Trichoderma viridae</i>			5	375	-	-	15
2	<i>A. Caroliliana</i>			250	-	-	-	5

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	<i>Azotobacter</i>	-	40	3000	-	-	120
3		<i>Azospirillum</i>	-	40	3000	-	-	68
		PSB	-	40	3000	-	-	245
		<i>Rhizobium</i>	-	40	3000	-	-	55
	BIO PESTICIDE	<i>Trichoderma viridae</i>		5	375	-	-	15
	Azolla	<i>A. Caroliliana</i>	-	250	-	-	-	5
	Vermicompost	-	-	1000	-	-	-	45

D. Production of livestock during 2018-19: NA

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

D1. SUMMARY of production of livestock during 2018-19

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1								
2								

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

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.	1. Impact of water management on growth and yield of ahu rice varieties of Assam International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 7 Number 05 (2018) 936:941	Bonti Gogoi, R. K. Thakuria, and N. Deka	
	2. Effect of Nutrient Management and Crop Geometry in Sweet Flag International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 7 Number 06 (2018) 2678-2693	C. Payeng, A. Sarmah, B Gogoi,	
Technical Report			
1.	DEE Annual report	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
2.	ATARI Annual Report	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
3.	SAC Report	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
4.	Annual Progress report	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
5.	ZREAC Report (Kharif)	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
6.	ZREAC Report (Rabi)	S. Das, S. Barman, B. Gogoi, A. Deka, A. Islam	
7.	MonthlyProgress reports	S. Barman, A. Islam	
8.	KMAS report	S. Barman, A. Islam	
9.	CCC report	S. Barman, A. Islam	
10.	Comprehensive action plan	S. Barman, A. Islam	
11.	Soil and water quality report	S. Bhagowati, S. Barman	

12.	Soil quarterly report	S. Bhagowati, S. Barman	
13.	Significant Achievement report	S. Barman, A. Islam, S. Das	
14.	Quarterly Progress report	S. Barman, A. Islam, S. Das	
15.	TSP Quarterly report	B. Gogoi, A. Deka	
16.	Monthly Direct Benefit Transfer report (DBT)	L. Baruah, S. Barman	
17.	Monthly Expenditure report (Swatchata related activities)	S. Bhagowati, S. Barman, B. Gogoi, A. Ishlam, N. Deka	
18.	DFI Report	S. Barman, B. Gogoi, A. Deka, A. Islam	
Popular articles	Processing and preservation of fruits and vegetables	A. Islam, N. Deka	
	Wastage of food: A national shame	A. Islam, N. Deka	
	Krishi Baponon	S. Barman, N Deka	
	Sustainable Intensive farming for enhancing Farmer's income	B Gogoi and N. Deka	
	Soil health card for sustaining crop productivity	S. Bhagowati and N. Deka	
	Maah jatia soshyor antarbhugti porijoniyota	S. Das and N. Deka	
	Byobohaik bhiktik gladiolus phulor kheta	S. Das and N. Deka	
Organic farming	B Gogoi and N. Deka		
Newsletter	KVK Newsletter		
Conference/ workshop proceedings/ Abstract	Weed Dynamics in Direct seeded upland rice under rainfed conditions of Assam 24.10.2018 to 26.10.2018	B. Gogoi and J. Deka	

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

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

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

Sl.No	Particulars	Remarks
1,	Title of innovation	Mechanical Control of Squirrel
	Thematic area	Pest management
	Profile of innovator	Name: Sri Powal Nath Address: Vill. Jamuguri, Block: Dolonghat Dist: Nagaon Mobile number: 9678542550/7578943295 Age: 51 years Education level: HS passed Size of land holding (acres): 4 acre
	Problem/ challenge addressed	Heavy destruction of coconut and areca-nut orchards due to squirrel attack at immature nut stage resulting complete loss of yield in the rural areas.
	Description of innovative practice/technology	At first, step has been taken to restrict the jumping of squirrel from one plant to another. For that the farmer has to cut one coconut plant between two coconut plants in order to make with length spacing. After widening the spacing one plain sheet having length of 2-3 feet has to fix put around the trunk of a coconut plant 8-10 feet above the ground level. Small sized nails are used to fix the plain sheet around the trunk in order to minimize the trunk/stem injury. Notes: Rusting can be avoided for long time by using plain sheet. Big nails should be avoided. The plain sheet used for wrapping the stem, its length should be 2-3 inch more than the periphery of the trunk.
	Practical utility	Following this pest management practice he was able to harvest handsome amount of coconuts and arecanut from his own bari (homestead garden). Other farmers of this village are also adopting this technique, by which they are getting good crop.
	Source of information	Initially he attempted the technique by using fishing net in a bamboo frame around the trunk of the coconut tree. But this technique was less durable and did not give full protection. As he was a contact farmer of KVK Nagaon since 2011, he discussed the problem with KVK scientists and he was suggested to try the technique with plain tin sheet.
	Economics/Profitability of innovative practice/ technology (costs and return) (per intervention or area or household)	Gross return: Rs. 28000/- Gross cost: Rs. 500/- Net return: Rs. 27500/- B:C ratio: 56:1

	Potential : Acceptance level, horizontal spread of innovation and number of farmer adopting	KVK scientists visited his plot and arranged an awareness programme for popularization of the technique within the district. He was also invited by different organization as a resource person to spread the technique. He was for interviewed by AIR also and thus the technology was spread to other parts. Now people are adopting this technique and getting benefited.
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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

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

- Identification of courses for farmers/farm women: Through Group discussion, PRA survey, Field Visit
- Rural Youth : Through Group discussion, PRA survey
- In-service personnel : Through Group discussion

3.11 Field activities

- i. Number of villages adopted : 5
- ii. No. of farm families selected : 148
- iii. No. of survey/PRA conducted : 2

3.12. Activities of Soil and Water Testing

- Status of establishment of Lab : Functioning
- 1. Year of establishment : 2018-19
- 2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1		Mridaparikshak	Nagarjuna.Agro Chemicals_PvLLtd., Hyderabad	2	Rs. 90300.00 each

3. Details of samples analyzed (2018-19) :

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	162			
Total				

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

- a. No. of SHCs prepared: 500
- b. No. of farmers to whom SHCs were distributed: 500
- c. Name of the Major and Minor nutrients analyzed:...13...
- d. No. of villages covered:
- e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page)

	GG*/BG*	RD* (kg/bigha)	VL*	L*	M*	H*	VH*			VL	L	M	H	VH
Nitrogen	Urea	3	5	4	3	2	2		Urea	0	0	0	0	0
Phosphors	SSP	30	45	38	30	23	15		DAP	15	12	10	8	5
Potassium	MOP	15	23	19	15	11	8		MOP	23	19	15	11	8
	Rapeseed	RD (kg/bigha)	VL	L	M	H	VH			VL	L	M	H	VH

Nitrogen	Urea	12	18	15	12	9	6		Urea	12	10	8	6	4
Phosphors	SSP	30	45	38	30	23	15		DAP	15	12	10	8	5
Potassium	MOP	4	5	4	4	3	2		MOP	5	4	4	3	2
	Rice	RD (kg/bigha)	VL	L	M	H	VH			VL	L	M	H	VH
Nitrogen	Urea	17.36	26.04	21.70	17.36	13.02	8.68		Urea	23	19	15	11	8
Phosphors	SSP	16.67	25.01	20.84	16.67	12.5	8.34		DAP	9	8	6	4	3
Potassium	MOP	8.91	13.37	11.14	8.91	6.68	4.46		MOP	13	11	9	7	5

*GG/BG = Greengram/Blackgram

*RD = Recommended dose

*VL = Very low

*L = Low

*M = Medium

*H = High

*VH = Very high

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

Message type	Crop		Weather		Awareness		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
Text only	52	550	65	240	61	129	178	919
Total	52	550	65	240	61	129	178	919

3.14 Contingency planning for 2018-19

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered
--	------------------	--------------------------------------	--

other please specify)			General	SC/ST	Total
Drought	Introduction of new variety or crop 1. Introduction of New variety GITESH, Dishang, Ranjit Sub 1, Bahadur Sub 1, Swarna sub 1	10 ha	15	10	25
	Introduction of Resource Conservation Technologies 1. SRI Technique in Sali rice 2. Direct seeding of Sali rice	6 ha	8	4	12
		5ha	10	5	15
Flood	Distribution of seeds planting materials and fodder	10.0	15	2	17

a. 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)
Gerbera – Red Gem ,Red Monarch	-	Gaining popularity day by day	-	-
Training and Prunning in Assam Lemon	-	Gaining popularity day by day	-	-
Fertilizer Application in Coconut and Arecanut	-	20%	-	-
Gladiolus	-	Gaining popularity day by day	-	-
Popularize vegetable crop Broccoli	-	8%	-	-
Vermicomposting	-	15%	-	-
Sali Rice variety (Ranjit)	-	60%	-	-
Boro Rice(Var: Swarnav, Dinanath)	-	15%	-	-
SRI Practice in rice	-	5%	-	-
Toria variety TS-36, TS-38, M-27)	-	45%	-	-
Jute variety (Tarun)	-	15%	-	-
Greengram Variety (Pratap)	-	20%	-	-
Mushroom Cultivation	-	Gaining popularity day by day	-	-
Honey bee rearing	-	Gaining popularity day by day	-	-
T-perch technology	-	Gaining popularity day by day	-	-
Ginger Candy Preparation	-	5%	-	-
French Bean – Arka Anoop and Arka Komal	-	Gaining popularity day by day	-	-
Training and Prunning in Assam Lemon	-	Gaining popularity day by day	-	-
Fertilizer Application in Coconut and Arecanut	-	20%	-	-
Application of lime in Oilseeds and Pulses	-	20 %	-	-
Use of Bio Fertilizer in Rice and Pulse	-	Gaining popularity day by day	-	-

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

PRA Report

i) PRA report of TSP village:

Village : Balisara
 Block : Raha
 No. of households : 102
 Present cultivated area : 1760 bigha
 Major soil types : Sandy loam
 Agro climatic zone – : Cental Brahmaputra Valley Zone
 Literacy rate : about 61%
 Community : ST
 Workers engaged in agricultural activities (%): 85%
 Schools : 1 LP School, Awangwadi School:1 no
 Namghar : 1
 Fair Price Shop :2 nos.
 Major crops : Rice (mainly Sali ,boro) ,Wheat, Geengram Variety: Biroi, Aijung,Kabra badam,Goyan
 Perennial (Arecanut, betel vine, lack pipper)
 Cropping pattern : Sali rice-fallow
 Sari rice- Blackgram

- Major sources of irrigation (No.)
- Tube well:35
- Ponds: 15
- Electrical pump set: 2 nos.
- Farm implements (private): Tractor- 1, Power tiller- 1
- Rice Mill:1

Category of farmers :

Category	Nos.	Percentage of total household
Marginal (less than 1 ha)	31	30.39
Small(1-2 ha)	42	41.18

Semi medium (2-4 ha)	19	18.63
Medium (4-10 ha)	10	9.80
Large (more than 10)	-	
Average size of holding	2.30 ha	

Source of Income:

Category	Primary source (%)	Secondary source (%)
Agriculture	77(73.33)	18(17.42)
Wage earning	11(10.48)	53((50.48)
Veterinary	5(4.76)	15(14.26)
Business	10(9.52)	19(18.10)
Service	2(1.90)	-

SWOT Analysis of Village Balisara

Strength:

1. Most of area of the village is flood free
2. Fertile soil
3. Indigenous livestock with poor productivity

Weakness:

1. Low level of farm mechanization
2. Lack of technical knowledge on improved crop management practices.
3. Labour scarcity
4. Less accessible to credit from financial institution
5. Electrification of 30 % of the households are not done yet.

4. Sanitary latrine
5. Drinking water facility

Opportunities:

1. Potential area for integrated farming system
2. Cropping intensity as well as income can be increased
3. Scope of expansion of area under oilseed
4. scope to introduce new breed of poultry, duck, pig, cows.
5. Scope for entrepreneurship development for SHGs

Threat :

1. Fluctuation in market price in agricultural inputs and products
2. High cost of animal feed, diseases
3. Crop damage due to sudden outbreak of insect pest and diseases

PRA report of village Mahariati Kamarchuk (DFI village):

Village	: Mahariati Kamarchuk Gaon
Block	: Khagorijaan
No. of households	: 19
Present cultivated area	: 265bigha
Major soil types	: Sandy loam
Agro climatic zone –	: Cental Brahmaputra Valley Zone
Literacy rate	: about 90%
Community	: ST
Workers engaged in agricultural activities (%)	: 75%
Schools	: 1 LP School
Major crop	: Rice (mainly Sali ,Bao) Variety: Biroi, Aijung, Kabra balam, Gaya , Tora Bao , Perennial (Arecanut, betel vine, black pepper)
Cropping pattern	: Sali rice-fallow

Bao rice-fallow

Major sources of irrigation (No.)

- Tube well:19
- Ponds: 4
- Farm implements (private): Power tiller- 1

Category of farmers :

Category	Nos.	Percentage of total household
Marginal (less than 1 ha)	2	10.53
Small(1-2 ha)	9	36.84
Semi medium (2-4 ha)	8	42.11
Medium (4-10 ha)	2	10.53
Large (more than 10)	-	-
Average size of holding	13.75	ha

Source of Income:

Category	Primary source (%)	Secondary source (%)
Agriculture	7(36.84)	2(10.53)
Wage earning	2 (10.53)	3(15.79)
Veterinary	3(15.79)	4(21.05)
Business	2(10.53)	3(15.79)
Sericulture	5(26.32)	7(36.84)

SWOT Analysis of Village Mahariati Kamarchukgaon

Strength:

1. Most of the households are engaged in silk farming
2. Fertile soil

Weakness:

1. Lack of technical knowledge on improved crop management practices silk rearing and improved crop management practices
2. Labour scarcity
3. Sanitary latrine
4. Drinking water facility

Opportunities:

1. Potential area for silk farming with scientific silk rearing
2. Cropping intensity as well as income can be increased
3. scope to introduce new breed of poultry, duck ,pig, cows.
4. Scope for entrepreneurship development for SHGs

Threat

1. Fluctuation in market price in agricultural inputs and products
2. High cost of animal feed, diseases
3. High cost of silk rearing

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
DAO, Nagaon	Action plan preparation, Tractor distribution, diagnostic field visit, Awareness programme, farmers scientist interaction, Nursery Management, resource person
District Fisheries Deptt.	Training, action plan preparation, diagnostic visit, farmers scientist interaction
District Vety Deptt.	Training, action plan preparation, diagnostic visit, vaccination camp
ATMA , Nagaon & Morigaon	Resource Person, diagnostic visit, farmers scientist interaction
ASRLM (NRLM) Nagaon	Project preparation, resource person, technical discussion, farmers scientist interaction
NABARD	Project preparation, Resource Person

SIRD	Resource Person
NGOs/SHG	Technical guidance, resource person, demonstration programme
Kaliabor College, Nagaon	Resource Person for training
RUDSETI, Nagaon	Resource Person
Bhartiya Kisan Sangh	Awareness programme, technical discussion
KASS and NASS	Awareness programme, farmers scientist interaction, Resource Person
Gram-panchayats of Nagaon district	Awareness among farmers on agriculture and allied sectors

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

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

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
APART	IRRI Supported, CIP Supported	01-06-2018	World Bank	1540147.00
CFLD	Cluster Frontline Demonstrations	18-19	ATARI, Guwahati	11,95,000.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district: **Yes**

Sl. No.	Programme	Nature of linkage	Remarks
	ATMA , Nagaon & Morigaon	Resource Person, diagnostic visit, farmers scientist interaction	-

5.4 Give details of programmes implemented under National Horticultural Mission: NA

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board : NA

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2018-19

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	Fishery			IMC	24.5 kg			1960.00	Ongoing
2	Azolla unit	2013	-	<i>A. caroliniana</i>	200 kg	-	-	-	-
3	Vermicompost unit	2013	-	<i>Eisenia foetida</i>	1000 kg	-	-	-	-
4	Poultry unit	September, 2018	-	Bv-380, kadaknath, Turkey, Quail	Eggs	632 nos	-	4,756.00	On-going
5	Fruit crops(Mang,	2016	0.13ha	Alfanso	In Vegetative strage				

	Apple bar, Guava, Litchi)			Amrapa lli, Langra Luckno w 49, Muzafa par	
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6.2 Performance of instructional farm (Crops) including seed production

CROP	Yield obtained (q/ha)						Yield increase (%)	Expenditure and returns (Rs./ha)								Net returns increase (%)
	Check			Demo				Check				Demo				
	Max.	Min.	Av.	Max.	Min.	Av.		Gross Cost	Gross return	Net Return	B:C	Gross Cost	Gross return	Net Return	B:C	
								(Rs/ ha)	(Rs/ ha)	(Rs/ha)	ratio	(Rs/ ha)	(Rs/ ha)	(Rs/ha)	ratio	
GREENGRAM	4.18	3.37	3.79	6.8	5.3	6.3	66.2	25,800	35400	9,600	1.37	25,800	52500	26,700	2.03	32.6
BLACKGRAM	3.92	3.6	3.12	6.2	5.1	5.9	89.1	23,400	29000	5,600	1.24	24,300	44900	20,600	1.85	32.9

Table: Information of Rabi Pulses & Oilseeds

Crop	Variety demonstrated	Dist. avg. (q/ha)	Area (in ha)	No. of demo	Yield (q/ha)		% Increase	Net return (Rs./ha)		B:C ratio	
					Check	Demo		Check	Demo	Check	Demo
Lentil	Moitree	6.14	10	25	4.06	5.82	43.34	36646	15412	1.6	1.73
Field pea	Prakash	5.69	30	75	5.32	8.75	64.47	56028	29401	1.32	2.06

Lathyrus	Ratan	NA	20	50	6.09	8.02	31.69	21345	54294	1.58	2.04
Toria	TS 38	7.27	50	137	5.43	9.20	69.0	3340.00	13530.00	1.02	2.05
Linseed	Shekhar T 397	4.95	20	58	4.56	6.52	42.9	4180.00	9790.00	1.44	2.00
Sesamum	Nagaon local	5.7	20	50	4.9	7.7	36.36	15170	29325	2.01	2.70
Groundnut	Jl-24	-	10	25	Maturity stage						
Summer greengram	IPM 2-3	-	20	50	Maturity stage						
Summer Blackgram	PU 31	-	10	25	Maturity stage						

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	Biofertilizer	200	-	15000.00	-
2	Bioveer	5	-	375.00	-

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

Sl.	Name	Details of production	Amount (Rs.)	Remarks
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No	of the animal / bird / aquatics	Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1							

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: NA

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

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

Accommodation available (No. of beds) : NA

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

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	SBI	Jorhat	10253820770
With KVK	SBI	Nagaon	10965237291
Revolving Fund	SBI	Nagaon	30620713843

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

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31 st March, 2015
	Year	Year	Year	Year	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2018 -19

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	Pay & Allowances	120.00	120.00	105.65
2	Traveling allowances	2.50	2.50	1.65
3	Contingencies	14.50	14.50	13.60
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			

<i>B</i>	POL, repair of vehicles, tractor and equipments			
<i>C</i>	Meals/refreshment for trainees			
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
<i>G</i>	Training of extension functionaries			
<i>H</i>	Maintenance of buildings			
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library			
TOTAL (A)		137.0	137.0	120.9
B. Non-Recurring Contingencies		0.00	0.00	0.00
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		137	137	120.9

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2016 to March 2017	2.50	4.73	4.67	2.56
April 2017 to March 2018	2.56	6.98	5.08	4.46
April 2018 to March 2019	4.46	7.05	6.27	4.24

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

Constraints

- (a) Administrative : 1. SMS, Soil Science is utmost essential. (The post of SMS, Soil Sc has been attached with HRS, Kahikuchi)
- (b) Financial : 1. May be increased under recurring contingency.
- (c) Technical : 1. One Laptop and two Desktop computers with accessories is required
2. One High resolution camera is required.
- (d) Others : 1. Vehicle needs urgent replacement. The existing vehicle is not in good condition.
2. For irrigation, one pump (diesel operated) is required.
3. Fencing around the 2nd farm of the KVK (780 m) is required.
4. One more vehicle is required preferably 10-12 seater.
5. One heavy duty UPS (8-10 KW) is required for standby due to frequent power cut.
6. One two wheeler motor bike is required.



(Signature)

Head, KVK Nagaon Pl. take maximum care while filling up the annual report format as per instructions so that no column is left blank. Pl. note that any incomplete individual KVK report shall not be considered and will be returned.

