

ANNUAL REPORT OF KVK SIVASAGAR

FOR THE YEAR 2019-20

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Sivasagar, Assam. PO: Dhopabar Via Santak, PIN : 785687 www.kvksivasagar.nic.in	NA	NA	kvk_sivasagar@aau.ac.in

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat -785013	0376-2340029	0376-2310708	registrar@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Prodip Handique	7896968547	9613856696	prodip_h@rediffmail.com

1.4. Year of sanction: 2003

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Sr. Sc. & Head	Dr. Prodip Handique	Sr. Scientist & Head	Agril. Extension	37400-67000	46400	22.05.18	Permanent	OBC
2	SMS	Mrs. Toslima S. Begum	SMS	Home Science	68900-200550	87300	08.11.08	Permanent	General
3	SMS	Mrs. Trishnalee Saikia	SMS	Agril. Econ.	PM L-10	63100	07.11.08	Permanent	MOBC
4	SMS	Dr. Arundhati Bordoloi	SMS	Soil Science	PM L-10	63100	10.11.08	Permanent	ST
5	SMS	Miss Priyanka Dutta	SMS	Agronomy	PM L-10	61300	19.10.15	Permanent	OBC
6	SMS	Dr. Anupananda Goswami	SMS	Animal Science	PM L-10	56100	21.08.18	Permanent	General
7	SMS	Ms. Subhashree Dihingia	SMS	Horticulture	PM L-10	56100	10.08.18	Permanent	OBC
8	Programme Assistant	Mr. Priyabrot Bordoloi	Prog. Asstt.	Agri. Extension	PM L-6	38700	27.10.14	Permanent	General
9	Computer Programmer	Sri Juga Rashmi Borah	Prog. Asstt.(Comp)	Computer	PM L-6	52000	11.11.08	Permanent	OBC
10	Farm Manager	Mr. DebashishBaruah	Farm Manager	Agronomy	PM L-6	38700	31.08.15	Permanent	General
11	Accountant / Superintendent	Miss Rashmirekha Saikia	Office Suptd. cum Acct.		PM L-6	39900	22.02.12	Permanent	OBC

12	Stenographer	Mrs. Karabi Borgohain Phukan	Jr. Steno cum comp. operator		PM L-4	31400	18.02.12	Permanent	OBC
13	Driver	Sri Phanidhar Gogoi	Driver cum Mechanic		PM L-3	26000	22.02.12	Permanent	OBC
14	Driver	Sri Jitu Baruah	Driver cum Mechanic		PM L-3	23100	30.11.16	Permanent	OBC
15	Supporting staff	Mr. Gautam Konwar	Supporting Staff		PM L-1	18000	10.07.18	Permanent	OBC
16	Supporting staff	Mr. Bijoy Sahu	Supporting Staff		PM L-1	18000	11.07.18	Permanent	OBC
	Total								

- 1.6. a. Total land with KVK (in ha) : 13.7 ha
b. Total cultivable land with KVK (in ha): 4.58 ha
c. Total cultivated land (in ha): 3.93ha

S. No.	Item	Area (ha)
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters + Demonstration Units)	1.00
2.	Under Crops (Cereals, pulses, oilseeds etc.)	1.65
3.	Orchard	1.28
4.	Fishery	0.65
5.	Bamboo Nursery	1.00
6.	Jungle area	8.12
Total		13.7
N.B.: Jungle cleared (during 2019-20 for Bamboo Nursery)		1.00

- 1.7. Infrastructural Development:
A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	19.7.2014	238	8498471.75		-	100% Complete
2.	Farmers Hostel	-do-	-			14.4.2009	305	Incomplete
3.	Staff Quarters (6)	-do-				14.4.2008	298	95% Complete
4.	Demonstration Units (2)	RKVY	9.10.2013 11.2.2014	237.87	2037304.00			100% Complete
5	Fencing	ICAR	26.7.2012	723	1425899.00	-	823	45% Complete
6	Fencing	ICAR		452				Completed
7	Fencing	ICAR		448				Yet to complete

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall Jeep	AS-03E-0029	2005-06		146675	Not in good condition
New Holland Tractor	AS-04BC-2905	2017		4190	Good
Power Tiller		2009	148000.00		Frequent

					repairing
Mahindra Marazzo	AS01EB 3193	2019		18177	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Kilburn Mita Digital Copier	2006	48,360.00	Good
Digital photo copier	2010-11	101920.00	Good
2KVA Voltage stabilizer	2006	3,375.00	Good
Duplicating machine	2005	43,686.00	Out of order
Desktop Computer	2006	27,101.00	Good
Desk Top Computer	2010	55,094.00	Good
Laptop	2010	31547.00	Out of order
Laser Printer	2006	9,605.00	Out of order
Laser Printer	2010	5475.00	Out of order
1KVA UPS	2006	5,951.00	Out of order
Scanner	2006	3,549.00	Out of order
Scanner	2010	2724.00	Needs to repair
Digital Camera	2005-06	15,080.00	Not up to date
Digital Camera	2010	19000.00	Good
Fax Machine	2005-06	25,792.00	Not in use
Fax Machine	2010	15190.00	Not in use
Cassette Player with Amplifier	2005-06	5,625.00	Good
Microphone with stand	2005-06	6,300.00	Good
300 watts Sound Box with Speaker	2005-06	11,250.00	Good
LCD Projector	2005-06	55,016.00	Good
UPS	2009-10	2150.00	Not in working condition
Weather station	2012	45,000.00	Good

1.8. A). Details SAC meeting* conducted in the year 2019-20
SAC meeting could not be done due to Lockdown situation

2. DETAILS OF DISTRICT at a glance

Particulars	Data
Total Geographical area	1598.85 sq km
Total Civil Subdivision	2 (Sivasagar & Nazira)
No of Blocks	5
Total Revenue Villages	535
No of Gram Panchayat	80
Total population	1151050
Male	589216
Female	561834
Total literacy %	80.41
Total Agricultural land	86710.8 ha
Total Farmers	102942
Main crops	Sali rice, Ahu/ Boro, Vegetables, Mustard

Net cultivated area	136822 ha
Cropping Intensity	134% (CRIDA)
Irrigated area	1886ha

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

Sl. No	Farming system/enterprises
	Agri + Animal Husbandry
	Agri+ Animal Husbandry+ Horticulture
	Agri + Hort + Animal Hus + Fishery
	Agri +Hort + Animal Hus + Seri
	Agri+ Horti+ Animal Hus +Seri+ Fishery

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

Sl. No	Agro-climatic Zone	Characteristics
1	Upper Brahmaputra Valley Zone	This zone covers 160789 sq/ km Hot and wet summer climate Maximum temperature 37°C Minimum temperature 7°C Relative Humidity : 96% Heavy rainfall: March, April and May Very cold during January and February Dry weather: Mid October – Mid December

2.2.1 Major agro-ecological situations

Sl. No	Agro Ecological Situation	Principal crop	Development block
1	Alluvial flood free	Rice, sugarcane, tea , vegetables	Amguri, Sivasagar, Nazira
2	Alluvial flood prone	Rice, mustard, vegetables	Amguri, Sivasagar, Nazira, Demou and Gaurisagar
3	High land	Rice, pulse, tea, horticultural crop	Amguri , Nazira
4	Hills area	Horticulture, vegetables and maize	Amguri and Nazira
5	Char like area	Rice, mustard, pulse and vegetables	Sivasagar, Demou and Gaurisagar

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Inceptisol (Old Alluvial)	It is most fertile and extensively distributed through out the plain region f the districtIt is more clay and darker in colour	136863
2	Entisol (Recent Alluvial)	It is most fertile and extensively distributed through out the plain region f the district. It varies mostly from clay to sandy loam in texture and slightly acidic in reaction.	68116

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

Sl. No	Crop	Area (ha)	Production (Mt)	Productivity (Mt/ha)
1	Winter Paddy	69753	265061.4	3.8
2	Summer Paddy	2802	11768.4	4.02
3	Autumn Paddy	263.5	974.95	3.7
4	Sugarcane	105	7350	70
5	Pea	1316	855.4	0.65

6	Lantile	248	168.64	0.68
7	Mustard	3165	3481.5	1.1
8	Potato	1018	7635	7.5
9	Moong	37.5	63	0.72
10	Matikalai	965	675.5	0.7
11	Onion	55	825	15
12	Ginger	112	2257.92	18
13	Turmeric	212	4664	22
14	Vegetables			
	i) Rabi	2630	71010	27
	ii)Kharif	1765	44125	25
	Banana	3002	60400	21030
	Lemon	820	43226	52.715

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
April, 2019	201.6	38.6	17.2	87
May, 2019	464.2	36.1	19.9	76.3
June, 2019	212	38.5	21.7	78.7
July, 2019	248.2	37.3	24.4	61.5
Aug, 2018	158.6	38.2	23.8	92.3
Sept, 2019	338.4	37.1	21.5	55
Oct, 2019	126.8	34.7	20.7	11.4
Nov, 2019	43.8	31.2	10.5	5.8
Dec, 2019	37.6	27.3	6.1	36.7
Jan, 2020	0.4	23.6	10.7	25.8
Feb, 2020	10	27.3	9.1	52.8
Mar, 2020	63.8	32.8	8.9	49.6

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

Category	Population	Production	Productivity
Cattle-CB	6945	Milk: 23123.01 Kilo lit. Meat: 4414.44 MT Egg: 106.61Lakhs	
Cattle Local	272662		
Buffalo	26635		
Sheep	529		
Goat	132306		
Pigs	55037		
Hours & Ponies	30		
Poultry	1041273		

Numbers and Area of fishery, fish production in Sivasagar District

Sl. No.	Item	Unit	2017-18
1	Registered beel	Nos.	66
2	Area under registered beel	Hect.	3878
3	Ponds and tanks	Nos.	11226
4	Area under Ponds and tanks	Hect.	1046
5	Derelict water bodies	Nos.	112
6	Area under Derelict water bodies	Hect.	7195
7	Forest fishery	Nos.	14
8	Area under forest fishery	Hect.	120
9	Fish production	Tonnes	16479
10	Imp. Fish from outside the state	Tonnes	391
11	No. of registered fish markets	No.	8
12	No. Of hatchery	No.	2 (Govt) 5(Private)
13	Production of fish seed (Fry)	Million Nos.	0.13(Govt) 15.64(Private)

Source: Statistical Handbook of Assam, 2017-18

2.6 Details of Operational area / Villages (2019-20)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sivasagar sub-Division	Sivasagar block	Betbari, Cherekapar, Nemuguri, Hanhsora, Gargaon, Rajabari, Rajmai, Bakata.	Rice, Tea, Horticulture crops, Vermicompost, Mushroom, Backyard poultry	Pests and diseases, flood	Rice, Tea, dairy, piggery, fishery, Horticulture crops, Vermicompost, Mushroom,
		Demow block	Rajabari, Netaipukhuri, Sukhanpukhuri, Demow, Disangmukh, Panbesa, Konwarpur, Jhanji, Sesamukh, Holmari	Rice, mustard, vegetables and horticultural crops, Vermicompost, Mushroom, Backyard poultry	Low productivity, pests and diseases.	Rice, mustard, vegetables, pea, black gram. Mushroom, Backyard poultry
		Gaurisagar block	Rangpur, Rudrasagar, Magarhat, Dikhowmukh, Khanamukh, Rupohimukh, Discial, Bhorolua, Garbhoga, NakataniKalugaon, Charing Duwarahpar, Khanikargaon	Rice, vegetables, fishery, poultry, piggery. Vermicompost, Mushroom,	Low productivity, pests and diseases. Flood occurrence.	Rice, fishery, vegetable crops, contingency planning, Vermicompost, Mushroom, Backyard poultry
2.	Amguri sub-division	Amguri block	Namti, Amguri, Lalimchiga, Khanikar, Samguri, Tarabari, Haluating, Phulpanichiga	Rice, mustard, wheat, horticultural crop.	Pests and diseases. Low productivity of citrus.	Rice, horticultural crop, rejuvenation of citrus plantations.
3.	Nazira Sub-division	Nazira block	Nazira, Simologuri, Namti, Galeki, Dhopabar, Bartala, Ligoripukhari, Chauak, Bihubar, Mesagarh, Rohdoipukhuri, Mezenga, Sundarpukhuri, Hulalgaon, Harkina, Phulanibari	Rice, wheat, jute, potato, sugarcane, piggery, fishery, dairy Vermicompost, Mushroom, Backyard poultry	Low production, pest and disease incidence.	Management of production technology. Vermicompost, Mushroom, Backyard poultry
		Khelua Block	Haripara Kachari Gaon, Hanhsora Chetia Gaon	Rice, Vegetable, Vermicompost, Mushroom, Piggery, Fishery	Flood effected area, Monkey problem	Submergence tolerant paddy variety, Vermicompost production, Mushroom production, Poultry production

4.	Sonari sub-division	Sonari block	Lakua, Safrai, Mathurapur, Dolbagan, Borhat, Bhojo, Tengapukhuri, Sepon, Abhoipur, Maibela, Charaideo,	Rice and horticultural crops, banana, pine apple, coconut,	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.
		Mahmora block	Nirmalia, Nizkhaloighugura, Kochupathar, Moranjan, Doba, Lessaihabi, Laiseng, Barbarua, Moudumoni, Himpara, Bisrampur, Nabajyoti, Bogoriting, Holmari	Rice and horticultural crops, banana, pine apple, coconut, tea	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, mustard, Vermicompost, Mushroom, Backyard poultry
		Sapekhati block	Balikheta, Chotianaguri, Kanubari, Balijan,	Rice and horticultural crops, banana, pine apple, pea,	Nursery raising, pest and disease problem	Rice, horticultural crops, pine apple, papaya, banana, coconut, mustard.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2019-20

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	5	5	14	14	5	5	95	95
Horticulture	2	2	6	6	10	10	50	70
Soil Science	3	3	9	9	3	3	14	14
Animal Science	3	3	13	13	4	4	102	102
Community Science	3	2	9	9	4	3	110	110
Total	16	15	51	51	26	25	371	391

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	31	31	775	991	170	170	4000	4184
Rural youth	8	8	200	251				
Extn. Functionaries	12	12	240	325				
Total	51	51	1215	1567	170	170	4000	4184
Seed Production (ton.)					Planting material (Nos. in lakh)			
5					6			
Target		Achievement			Target		Achievement	
4.01		4.01			0.02		0.02	

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2019-20

SI 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	Cropping sequence	Makhana- Toria	Lack of suitable high yielding Makhana variety. Processi ng is a major problem for hard seed coat and non uniform seed size of local variety.	Performa nce of Makhana -Toria cropping sequenc e at farmers' field under field condition .						Seeds, fertilizer, pesticide
2	Cropping sequence	Rice- pulse	Sali paddy areas are left fallow after harvestin g of rice. CI- 111.73%	Evaluatio n of rice- pulse utera cropping sequenc e in monocro p area.		Scope of relay cropping in Upper Brahmaputr a Valley Zone(2) Rice based cropping system(1)				Seeds, fertilizer, pesticide
3	Cropping sequence	Rice- Mustard			Populariz ation of Rice- Mustard cropping sequence in monocrop area.					Seeds, fertilizer, pesticide
4	Varietal evaluatio n	Paddy	Water logging is a major problem for rice cultivatio n in Mothada ng area	Bao rice varieties for manage ment of waterlog ged situation in Mothada ng area						Seeds, fertilizer, pesticide

5	Varietal evaluation	Paddy	Non availability of medium duration high yielding photo insensitive variety with farmers' which can be taken in any season	Performance of medium duration high yielding photo insensitive variety in Sivasagar District.					Seeds, fertilizer, pesticide
6	Varietal evaluation	Foxtail millet	Rice areas are remain fallow after harvesting of Sali season	Evaluation of foxtail millet in Sivasagar district.					Seeds
7	Seed production	Paddy			Popularization of Sali rice variety Gitesh in flood effected area of Sivasagar district.	1)Production technology of rice(2) 2)Production technology of Hybrid Boro paddy(1)	Quality seed production with special emphasis on seed village concept(3)		Seed, fertilizer, pesticide etc.
8	Seed production	Paddy			Popularization of Bao rice in Mothadang area	Quality seed production of rice & seed storage technology(2)			Seed, fertilizer, pesticide etc.
9	Seed production	Paddy			Demonstration on medium duration rice variety (Tripura Chikan: 125 to 130 days duration) in double crop situation. (NEH)	Quality seed grower(1) Rice cultivation technology in flood affected area(1)			Seed, fertilizer, pesticide etc.

10	Integrated crop management	Maize			Demonstration on Maize var. HQPM-1 under NEH component	Scope and importance of field crops in Sivasagar District(1) Prospects of field crops in doubling Farmers'(2)			Seed, fertilizer, pesticide etc.
11		Greengram			Demonstration on Greengram var. IPM-2-4 under NEH component.				
12		Lentil (CFLD)			Cluster Frontline Demonstration on Rabi pulses on Lentil under NFSM				Seed, biofertilizer, vermicompost, pesticide etc.
13		Field pea(CFLD)			Cluster Frontline Demonstration on Rabi pulses on Pea under NFSM				Seed, biofertilizer, vermicompost, pesticide etc.
14	IPM					IPM in Boro paddy			
15	INM	Cabbage	Excessive use of fertilizers and chemicals causes health problem and also affects the environment.	Cultivations of organic cabbage using organic sources of nutrient	-	-	-	MD, Field visit	Seed, Fertilizer, Pesticides

16	Varietal introduction	Tomato	Lack of availability of multiple disease resistant variety	Performance of multiple disease resistant tomato variety Arka Abhed(H-397)		Scientific cultivation of Rabi vegetables		MD, Field visit	Seed, Fertilizer, Pesticides
17	Popularization	Turmeric	Low curcumin content in local varieties		Cultivation of turmeric var. Megha turmeric	Production techniques of Spices of Assam		MD, Field visit	Seed, Fertilizer, Pesticides
18	Varietal evaluation	Papaya			Popularization of high yielding Papaya var. Red lady			MD, Field visit	Seed, Fertilizer, Pesticides
19	Popularization	Potato	High incidence of disease		Cultivation of HYV potato var. Kufri Pukhraj	Scientific cultivation of Rabi vegetables		MD, Field visit	Seed, Fertilizer, Pesticides
20	Popularization	Pumpkin	Low yield in local varieties		Popularization of high yielding pumpkin var. Arjuna F1			MD, Field visit	Seed, Fertilizer, Pesticides
21	Popularization	Assam lemon	Lack of year round production and seed formation		Popularization of seedless variety Assam lemon			MD, Field visit	Seed, Fertilizer, Pesticides
22	Popularization	Potato			Potato cultivation var. Kufri jyoti (NEH)			MD, Field visit	Seed, Fertilizer, Pesticides
23	Popularization	Pea			Demonstration on pea cultivation var. Arkel (NEH)			MD, Field visit	Seed, Fertilizer, Pesticides
24	Popularization	Cauliflower			Cauliflower cultivation var. Moti (NEH)			MD, Field visit	Seed, Fertilizer, Pesticides

25	Popularization	French bean			Demonstration on French bean cultivation var. NSC French (NEH)	Training on Scientific cultivation practice of vegetable crops.		MD, Field visit	Seed, Fertilizer, Pesticides
26	Popularization	Okra			Demonstration on Okra cultivation var. Arka Anamika (NEH)			MD, Field visit	Seed, Fertilizer, Pesticides
27	Fertility management	Paddy	Low rice production		Zinc fertilization in winter paddy			Field visit, demonstration	Seed, fertilizer
28	Production of organic inputs	Vermicom post	Low organic input production		Production of vermicom post using low cost unit			Field visit, demonstration	Vermi Seed, polythene sheet
29		Vermicom post	Low organic input production		Enriched vermicom post			Field visit, demonstration	Vermi Seed, polythene sheet
30	Organic farming	Hot chilli	Low yield of organic hot chilli	Organic package for hot chilli				Field visit, demonstration	Seed, fertilizer
31	Soil microbes (beneficial)	Paddy		Response of rice to Zn solubilizing bacteria for rice nutrition				Field visit, demonstration	Seed, fertilizer
32		Paddy		Potash solubilizing bacteria for reducing K fertilizer in Rice				Field visit, demonstration	Seed, fertilizer
33	Breed introduction	Poultry	Non availability of meat with low cholesterol content.	Rearing of Kadaknath poultry	Popularization of Japanese Quail farming				Supply chicks, feed & medicines

34	Breed introduction	Poultry	Poor production performance of local poultry	Introduction of Rainbow Roster birds for backyard poultry production system	Popularization of BV300 poultry				Supply chicks, feed & medicines
35	Breed introduction	Pig	Poor growth rate of local pig	Production performance of Yorkshire pig in agroclimatic condition of Sivasgar district.	Demonstration on productive performance of Khakicampbell duck				Supply piglets, chicks, feed & medicines
36	Breed introduction				Popularization of Kamrupa poultry				Supply chicks, feed & medicines
37	Organic dye introduction	Organic dye	Dying in traditional methods results poor colour fastness	Natural dye application in cotton and Endi fibre with natural colour extracted from bark of Henduripoma and produced diversified weaving items.				Method demonstration	Cotton and Endi fibre
38	Rural crafts	Rural craft	Non availability of the tribal and non tribal woven motifs in value added products	Assessment of value added products from tribal and non tribal woven motifs.				Method demonstration	Cotton and synthetic fibre

39	Nutrition gardening	Vegetables	Prevalence of Micro nutrient deficiency among population		Nutrition Garden at households	Nutrition garden for Nutritional security		Field day	Vegetable Seeds, planting materials for fruits and fertilizers
40					Nutrition garden at school premises		Nutrition education for early childhood educators	Field day Workshop Awareness programme	
41	Rural craft	Tie and Dye	Lack of technology for colouring fibre and fabric for designing		Tie and dye of fabrics and fibre with chemical dye		Method demonstration		Cotton fabrics, dyes
42	Uses of women friendly tools	Drudgery reduction	Lack of knowledge on drudgery and women friendly tools			Drudgery reducing technology for increasing work efficiency			
43	Techniques for care for elderly	Care for elderly	Lack of knowledge on special care for elderly people			Special care for elderly			
44	Value addition	Fruits and vegetables	Post harvest loss of fruits and vegetables due to lack of knowledge on scientific technology.			Value addition of fruits and vegetables for entrepreneurship development			

3.1 Achievements on technologies assessed and refined during 2019-20

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	Agron-3				Hort-1					4
Cropping sequence		Agron-1	Agron-1							2
Fertility management	Soil-2				Soil-1					3
Integrated Nutrient Management					Hort-1					1
Organic dye	-	-	-	-	-	-	Com Sc-1	-	-	1
Rural craft	-	-	-	Com Sc-1	-	-	-	-	-	1
TOTAL	5	1	1	1	3	-	1	-	-	12

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

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flowers	Plantation crops	Tuber Crops	TOTAL

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitery	Fisheries	TOTAL
Evaluation of Breeds	-	2	-	-	1	-	-	3
TOTAL	-	2	-	-	1	-	-	3

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitery	Fisheries	TOTAL
Evaluation of Breeds								
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 Makhana-Toria cropping sequence at farmers' field under field condition.	Lack of suitable high yielding Makhana variety. Processing is a major problem for hard seed coat and non uniform seed size of local variety	Performance of Makhana-Toria cropping sequence at farmers' field under field condition. Technology: Variety: Swarna Boidehi Spacing: 120cm x 100 cm DOT: 30 th March-15 th April, 2019 Fertilizer : 45:30:45 kg Urea:SSP:MO P/ha (100:60:40kg NPK/ha)	Makhana-Toria	1	OFT: DOT: 3 rd April, 2019 DOH : 11 th Oct, 19 Leaf diameter: 115 cm Days to 50% flowering : 5 th Sept, 2019 Seeds/ fruit : 82 Yield (t/ha) : 1.8 B:C ratio : 2.79 Check: DOT: Naturally grown. DOH : 15.10.19 Leaf diameter: 116 cm Days to 50% flowering : 17.9.19 Seeds/ fruit : 65 Yield (t/ha) : 1.0 B:C ratio : 2.0	Seeds of the OFT var. is of same size and the seed coating also found to be thin than the local variety.	Sowing of toria was delayed (12/12/2019) due to heavy moisture after harvesting of Makhana crop . Growth of toria is not so good. Mustard may be more profitable than toria.	OFT: 2.79 Check: 2.0

2	Bao rice varieties for management of waterlogged situation in Mothadang area	Water logging is a major problem for rice cultivation in Mothadang area	Bao rice varieties for management of waterlogged situation in Mothadang area Technology: Variety: Podumoni, Panchanan Check variety: Local bao rice var	Paddy	4	OFT: Podumoni : DOS : 25/5/19 DOT : 23/6/19 DOH : 1/12/19 Plant height (cm) :140 Tillers at 90 days : 27 Tillers at harvest :20 Panicle length (cm) :26.9 Filled grain/panicle: 145 Yield (t/ha) : 2.5 B:C ratio :1.10 Panchanon : DOS : 25/5/19 DOT : 23/6/19 DOH : 2/12/19 Plant height (cm) :125 Tillers at 90 days : 26 Tillers at harvest :16 Panicle length (cm) : 24.9 Filled grain/panicle: 126 Yield(t/ha) : 2.0 B:C ratio :1.04 Check : DOS : 25/5/19 DOT : 23/6/19 DOH : 15/12/19	From the quality point of view Podumoni var. is good as it is slender and aromatic rice.	Rice hispa attack was found to be more in Panchanan var. in comparison to Padumoni. Lodging is a problem in both the varieties after completion of flowering.	Podumoni: 1.10 Panchanon: 1.04 Check: 0.98
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						Plant height (cm) : 95.4 Tillers at 90 days : 14 Tillers at harvest :9 Panicle length (cm) : 20.3 Filled grain/panicle: 65 Yield (t/ha) :1.7 B:C ratio :0.98			
3	Performance of medium duration high yielding photo insensitive variety in Sivasagar District.	Non availability of medium duration high yielding photo insensitive variety with farmers' which can be taken in any season	Performance of medium duration high yielding photo insensitive variety in Sivasagar District. Technology: Variety: CR 909, CR 310, CR 311 Duration-120 days Yield-5t/ha Check variety: Luit Duration-95days	Paddy	5	OFT : Paddy var. CR-909 DOS : 24/7/19 DOT : 18/8/19 DOH : 26/11/19 Plant height (cm) : 104.6 Tillers at harvest : 13 Panicle length (cm) : 27.6 Filled grain/panicle: 323 Yield (t/ha) : 4.81 B:C ratio : 1.32 Paddy var. CR-310 DOS : 24/7/19 DOT : 18/8/19 DOH : 25/11/19 Plant height (cm) : 94.25 Tillers at harvest : 5 Panicle	CR 909 variety is good from marketing point of view as it is scented and grain slender	Some panicles are not emerged completely in CR-909.	CR-909: 1.32 CR-310: 1.15 CR-311: 1.21 Check: 0.88

						length (cm) : 24.70 Filled grain/panicle: 246 Yield (t/ha) : 4.15 B:C ratio : 1.15 Paddy var. CR-311 DOS : 24/7/19 DOT : 18/8/19 DOH : 23/11/19 Plant height (cm) : 91.73 Tillers at harvest : 9 Panicle length (cm) : 25.90 Filled grain/panicle: 287 Yield (t/ha) : 4.27 B:C ratio : 1.21 Check: DOS : 24/7/19 DOT : 18/8/19 DOH : 30/10/19 Plant height (cm) : 92.25 Tillers at harvest : 5 Panicle length (cm) : 26.1 Filled grain/panicle: 185 Yield (t/ha) : 2.94 B:C ratio : 0.88		
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4	Evaluation of rice-pulse utera cropping sequence in monocrop area.	Sali paddy area are left fallow after harvesting of rice. CI-105.3%	Evaluation of rice-pulse utera cropping sequence in monocrop area. Technology: Rice var. Shraboni Pulse crop: Field pea var. Aman Grass pea var. Ratan Lentil var. KLS-218 Check: Monocropping	Rice-Pulse	3	OFT: Paddy var. Shraboni: DOS : 6/6/19 DOT : 4/7/19 DOH : 20/10/19 Plant height (cm) : 115 Tillers at harvest : 17 Panicle length (cm) : 25.9 Filled grain/panicle: 310 Yield (t/ha) : 3.9 B:C ratio : 1.08 2 nd crop sown: 10/11/2019 Check : Paddy var. Ranjit. DOS : 6/6/19 DOT : 4/7/19 DOH : 7/11/19 Plant height (cm) : 130 Tillers at harvest : 20 Panicle length (cm) : 27 Filled grain/panicle: 355 Yield (t/ha) : 4.3 B:C ratio : 1.19	The taste of Shraboni is good and the grain quality resemble to mashuri.	Due to moisture stress 2 nd crop was failed. Without proper irrigation facility 2 nd crop cultivation is not possible.	OFT: Paddy: 1.08 Check: Paddy: 1.19
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5	Evaluation of foxtail millet in Sivasagar district	Rice areas are remain fallow after harvesting of Sali season	Evaluation of foxtail millet in Sivasagar district. Technology: Variety: Yellow type. Check var. Red Type Spacing: 30 cm* 30 cm Time of sowing: Mid Jan-Mid Feb Fertilizer: 20:10:10 kg NPK/ha	Foxtail millet	1	OFT: DOS: 14/1/2019 Check: DOS: 14/1/2019 *Crop is at flowering stage			
6	Cultivations of organic cabbage using organic sources of nutrient	Excessive use of fertilizers and chemicals causes health problem and also affects the environment .	T1:Azotobacter and Phosphorus solubilizing bacteria@ 7.5g/100g of seeds , vermicompost @5t/ha+Rock phosphate@375kg/ha(as per SSP dose) spacing 45cmX45cm T2: Farmer's practice	Cabbage	3	T1: DOS : 18/10/2019 DOT:14/11/2019 Head wt: 700gm Yield/bigha:30q/bigha Yield/ha:215q/ha T2: DOS : 15/10/2019 DOT:12/11/2019 Head wt: 625gm Yield/bigha:26q/bigha Yield/ha:195q/ha	Farmers are satisfied with the production and due to small size and compact nature, farmers easily sell their product in the market	Due to incorporation of different inputs in our interventions like rock phosphate, azotobacter quality and quantities of production was good compared to their own traditional organic practice	T1: 2.5 T2: 2:3

7	Assessment of Tomato hybrid variety Arka Abhed (H-397)	Lack of availability of multiple disease resistant variety	Variety: Arka Abhed (H-397) (High yielding F-1 hybrid with multiple disease resistant to TLCD, bacterial wilt, early blight and late blight)	Tomato	3	T1: DOS:9/11/2019 DOT:1/12/2019 Plant ht:85cm Fruit wt:85gm Yield/plant:11kg Yield/ha:450q/ha T2: DOS: 5/11/2019 DOT:27/11/2019 Plant ht:79 cm Fruit wt:82 gm Yield/plant:7kg Yield/ha:300q/ha	Farmers are satisfied with the growth of crop	Till the flowering stage there is no disease and pest incidence but at last stage of harvesting there is a occurrence of 9% of disease incidence was observed	T1: 4:6 T2:3:4
8	Application of Zinc solubilizing bacteria in Rice	Low crop production	Application of Zinc solubilizing bacteria @ 3.5 kg/ha once in a year with RDF	Paddy	3	27.. No. of tiller/hill : Demo:27 Check:22 ii)No of effective tiller: Demo:21 Check:18 iii)No of seed per panicle: Demo:221 Check:190 iv) Yield (t/ha): Demo:5.2 Check:3.82			Demo:1.68 Check:1.5
9	Potash solubilizing bacteria for reducin	High rate of potassic fertilizer	Application of KSB consortia @ 3.5 kg/ha	Paddy	3	No. of tiller/hill : Demo:29 Check:26 ii)No of effective tiller: Demo:20			Demo:1.8 Check:1.6

	g K fertilizer in soil					Check:18 iii)No of seed per panicle: Demo:231 Check:198 iv) Yield (t/ha): Demo:5.3 Check:4.0			
10	Organic package for Hot Chilli	Low crop production	1. Enriched compost @ 10t/ha 2. Compost @ 10 t/ha + biofertilizer (<i>Azospirillum</i> and PSB)	Hot Chilli		On going			
11	Rearing of Kadaknath poultry	Non availability of meat with low cholesterol content.	Mortality and Morbidity pattern, Monthly b. wt. gain, Survivability upto laying, Age at first lay, Annual egg production	Poultry	10	Chick mortality: 5%, Adult mortality: Nil, Avg monthly body weight gain: 30g in 0 week, 112g in 1 month, 215g in 2 months, 370g in 3 months, 620g in 4 months, 840 g in 5 months, 1.2 kg in 6 months. Age at 1 st laying : 6.5months	Satisfied	Well adopted with low mortality rate in agroclimatic condition of Sivasagar district	On going
12	Introduction of Rainbow Roster birds for backyard	Lower egg production and poor growth rate of local poultry	Mortality and Morbidity pattern, Monthly b. wt. gain, Survivability upto laying,	Poultry	10	Chick mortality: 12%, Adult mortality: 2%, Avg monthly body weight gain: 93g in 1 week,	Satisfied	Growth is satisfactory over local bird.	On going

	d poultry production system		Age at first lay, Annual egg production			456g in 1 month, 980g in 2 months, 1400g in 3 months, 1.9kg in 5 months, 2.4kg in 6 months. Age at 1st laying : 170 days			
13	Production performance of Yorkshire pig in agroclimatic condition of Sivasgar district.	Poor growth rate of local pig	Monthly wt. gain, Age at puberty, Age at first furrowing, Litter size, Litter weight, Mortality, Interfurrowing interval	Piggery	3	7 kg at 45 days; 18 kg at 3months, 38 kg at 5 months	Satisfied	Growth is satisfactory	Ongoing
14	Natural dye application in cotton and Endi fibre with natural colour extracted from bark of Henduripoma (<i>Toona ciliata</i>)	Dying in traditional methods results poor colour fastness	Dye : Bark of Henduripoma (dried and powdered), Type of fibre :Cotton and Endi, Dying technology : Dye extraction MLR 1:50, Alkali g/100ml, Dye material concentration g/100ml, Dye extraction time :60 min, Dying time 45: min,	Organic dye introduction	03	Colourefastnes test results in: Washing:Good Rabbing:Good Sundrying:Good Ironing:Good Transile strength:The strength of the dyed fibre allows weaver to weave diversified weaving items in traditional loom.The dyed fibre is used in both warp and	The technology is new & easy to do at household level .The unique colour of the stole creates markets for the farm women so farm women accepted the technology	The bark of Old trees (age of the plant more than 10 years) gives bright colour	2.5 (For Diversified weaving item – stole)

	and produce d diversifi ed weaving items.		mordanting time: 30 min, Mordant: Alum ,Dying condition: Conventional open method.			weft			
15	Assess ment of value added product s from Tribal and non tribal woven motifs.	Non availability of the tribal and non tribal woven motifs in value added products	Motifs : Selected from Miching (Boarder)and non tribal Assamese motifs. (Middle portion) Textile material used : Cotton yarn for the base material and synthetic yarn for designing.	Rural craft	03	No. of Value added product 02,Mekhela chadar and stole. Acceptability of the design by weaver: Accepted the designs in both the products. Acceptability of the customer: Customer accepted the designs in boh the products.	The technology is simple so weaver can use this technology in dint weaving itemsffere	It is difficult and time consuming If two designs from two community is combined in weaving one items.	4.1 (Mekhela chaddar) 4.6 (Stole)

***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	Paddy	Paddy var. Shraboni	10	121	42.17
2	Toria	Toria var. TS-67	15	325	155
3	Pumpkin	Pumpkin var. Arjuna F1	15	150	10
4	Poultry	Rearing of dual purpose poultry Vanaraja	25	252	
5	Duck	Productive performance of Vigova Super M duck	10	150	
6	Vermicompost	Low cost vermicompost production	10	80	80 units

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Paddy	Seed production	Var. Gitesh	Kharif, 2019	4	4	0	18	18	Nil	Rainfed			
2	Paddy	Seed production	Var. Podumoni & Panchanon	Kharif, 2019	1	1	0	10	10	Nil	Rainfed			

3	Rice-Mustard	Cropping sequence	Rice var. Shraboni & Mustard var. NRCHB101	Round the year, 19-20	3	3	0	15	15	Nil	Rainfed			
4	Paddy	Seed production	Paddy var. Tripura chikan	Kharif, 19	5.3	5.3	0	33	33	Nil	Rainfed			
5	Maize	Integrated crop I	Maize var. HQPM-1	Rabi, 2019	5	5	0	24	24	Nil	Rainfed			
6	Greengram	Crop production	Greengram var. IPM-2-14	Kharif, 2019	2.7	2.7	0	15	15	Nil	Rainfed			
7	Lentil (NFSM)	Varietal trial	Lentil var. KLS-218	Rabi, 2020	10	10	5	58	63	Nil	Rainfed			
8	Field pea(NFSM)	Varietal trial	Pea var. Aman	Rabi, 2020	10	10	5	52	57	Nil	Rainfed			
9	Turmeric	Varietal Popularization	Var. Megha turmeric-1 Seed rate:25q/ha Spacing:45cmx 25cm(Row to Row x Plant to Plant)	April, 2019	0.25	0.25	-	4	4		Rainfed			
10	Papaya	Popularization	Papaya var. Red lady Semi dwarf high yielding var. resistant to Papaya Ring Spot Virus. Yield: 50 – 120 fruits per plant, 1.5- 2.0 kg/ fruit. Spacing: 1.5m x 1.5m. Time of planting: April to July	April-July, 2019	0.13	0.13	1	2	3		Rainfed			

11	Potato	Popularization	Cultivation of HYV potato var. Kufri Pukhraj Technology : Var. Kufri Pukhraj Resistant to early blight and moderately resistant to late blight Planting material : tuber size (25-40gm) Requirement: 3 q/bigha	Oct-Nov 2019	0.25	0.25	-	3	3		Rainfed			
12	Pumpkin	Popularization	Cultivation of high yielding pumpkin var. Arjuna F1 Technology Sowing time: Sep-Oct Spacing: row to row and plant to plant 2.5mx1.5m	Oct-Nov 2019	0.25	0.25	-	3	3		Rainfed			
13	Assam lemon	popularization	Var. Assam lemon Spacing: 5mX5m	Mar-Jul 19-20	0.13	0.13		3	3		Rainfed			
14	Potato	Popularization	Potato cultivation var. Kufri jyoti	Oct-Nov	1.3	1.3	-	8	8		Rainfed			
15	Pea	Popularization	Demonstration on pea cultivation var. Arkel	Oct-Nov	2.6	2.6		7	10		Rainfed			
16	Cauliflower	Popularization	Cauliflower cultivation var. Moti	Oct-Nov	2.6 ha	2.6 ha	2	5	7		Rainfed			
17	French bean	Popularization	Demonstration on French bean cultivation var. NSC French	Oct-Nov	2.6 ha	2.6	3	7	10		Rainfed			
18	Okra	Popularization	Demonstration on Okra cultivation var. Arka Anamika	Feb-March 2020	0.13 ha		1	3	4		Rainfed			
19	Paddy	Soil ammendment	Application of Zn as basal @ 25kg/ha	Kharif, 2019	1	1	0	2	2		Rainfed			

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	Paddy var. Gitesh	Seed production	4	3.9	3.11	25.40	4.2	3.6	nil	nil	51500	58500	7000	1.14	44215	46650	2435	1.00
2	Paddy var. 1.Panindra 2.Padmanath	Seed production	1	2.7	1.7	58.82	2.9	2.54	nil	nil	37500	40500	3000	1.08	26000	25500	-500	0.98
				2.56	1.7	50.58	2.75	2.37	nil	nil	37500	38400	900	1.02	26000	25500	-500	0.98
3	Rice-Mustard	Cropping sequence	3	5.88	3.79	43.4	6.2	5.56	nil	Nil	77615	88200	10585	1.13	51500	56850	5350	1.10
4	Paddy	Seed production	5.3	4.1	3.4	20.58	4.3	3.9	nil	nil	54500	61500	7000	1.13	46215	51000	4785	1.10
5	Maize	Integrated crop I	5	46.7	nil	-	5.1	4.24	nil	nil	58150	84060	25910	1.45	nil	nil	nil	nil
6	Green gram	Crop production	2.7	Pod formation occur but pods are not filled														
7	Lentil	Varietal trial	10	7.64	nil	-	8.1	7.18	nil	nil	49250	91680	42430	1.86	nil	nil	nil	nil
8	Field pea	Varietal trial	10	12.32	nil	-	14.05		nil	nil	58900	86240	27340	1.46	nil	nil	nil	nil

9	Turmeric var. Meghaturneric	Varietal popularization	0.25	250q/ha	-	-	275	225	DOP : 25/5/2019, Plant ht.= 203 cm, Clump wt.= 295 gm, Finger size=8.5cm	-	1,30,000	6,75,000	5,45,000	5.1	-	-	-	-
10	Potato var. Kufri Pukhranj	Varietal popularization	0.25	187q/ha	-	-	207	167	DOS : 20/10/19 Avg. Tuber weight : 110 gm Tuber weight / plant : 795gm No of tuber/plant : 7-12 nos.		1,20,000.00	3,74,000.00	2,54,000.00	3:1	-	-	-	-
11	Pumpkin var. Arjuna F1	Varietal popularization	0.25 ha	149.66 q/ha	-	-			Duration: 154 Av. Fruit/plant: 7.8 Fruit diameter:30cm		59000.00	29932.00	21932.00	5.07	-	-	-	-

12	Papaya var. Red lady	Varietal popularization	0.13ha	Ongoing					DOS: 22.6.19									
13	Assam lemon	Varietal popularization	0.13ha	Ongoing					DOS: 3.02.2020									
14	Potato var. Kufri jyoti	Varietal popularization	1.3 ha	200q/h	100q/ha	20%	250	150	Late blight incidence	Early blight, late blight	11000.00	40000.00	29000.00	3.64	90000.00	16000.00	70000.00	1.77
15	Cauliflower Var. Moti	Varietal popularization	2.6 ha	250q/ha	200q/ha	25%	267	215	In some area curd is small	Browning occurred	77000.00	25000.00	17300.00	3.24	70000.00	20000.00	13000.00	2.85
16	Pea var. Arkel	Varietal popularization	2.6 ha	25q/ha	20q/ha	25%	30	15	No disease incidence	Less pest infestation	47000.00	12000.00	73000.00	2.55	40000.00	12000.00	80000.00	3:0
17	Okra var. Arka Anmika	Varietal popularization	0.13	175q/ha	-	-	200	160	Infestation of insect pest occur	Infestation of insect pest occur	85000.00	26250.00	17750.00	3.08	-	-	-	-
18	French bean var. NSC French	Varietal popularization	2.6	105q/ha	90 q/ha	17%	120	70	Infestation of insect pest occur	Infestation of insect pest occur	65000.00	21000.00	13000.00	3.23	62000.00	18000.00	11800.00	2.9
19	Paddy	Soil amendment	1	5.8	4.0	45%	6.1	5.6			32870	59700	26830	1.81	24751	38741	13990	1.56

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	3	13.03.2020	20	0	20	
			29.4.2019	29	0	29	
			4.7.2019	31	0	31	
2	Farmers Training	1	8.2.2020	25	0	25	
3	Media coverage						
4	Training for extension functionaries						
5	Group discussion and farmer scientist interaction with ATARI Director	1	22.01.2020	30	0	30	
	Total	5		135	0	135	

e. Details of FLD on Enterprises

(i) Farm Implements/ Enterprises

Name of the Enterprise	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		
Nutrition Garden at households	Vegetables	09	.02ha/2	1. Production of vegetables 2. Inclusion of GLV and other vegetables in the diet 3. Nutritional knowledge gained 4. B:C ratio	1. 0.94 q/200m ² 2. 0.516kg/day/family 3. Knowledge gained on nutritionally rich vegetables, nutritional diet, nutrient loss during cooking and enriched diet 4. 3.03	1.30-40 kg in bari 2. 0.136kg/family/day for 3-4 months 3. No knowledge on nutritional aspects. 4. Not applicable	1.57.44 2.73.6 3.85.7.	Vegetables are in the garden..Harvesting is not done for lemon,banana ,drumsticks

Nutrition garden at school premises	Vegetables	269	.02ha/2	1. Production of vegetables 2. Inclusion of GLV and other vegetables in the mid day meal 3. Nutritional knowledge gained 4. B:C ratio	1.0.70 q/ha 2. Inclusion of GLV and other vegetables in the mid day meal 27.. Nutritional knowledge gained 4.2.933	No practice		Only Rabi vegetables and few summer vegetables are grown in the garden.
Tie and dye of fabrics and fibre with chemical dye	Rural craft	49	03	1. Acceptability of the designs in different items 2. Colour fastness 3. Economics	1. Accepted the designs in Dupatta, Pillow cover, bed sheets, blouses and Mekhela chadars 2. Shows good colour fastness to washing, rubbing, ironing and sundrying 3. B:C= 3	Nil	Nil	The technology is limited only for cotton fabrics, farm women need the technology for sifon fabric which has more demand in the market.

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

Sl. No.	Enterpr rise/ Category (e.g., Dairy, Poultry etc.)	Them atic area	Name of Tech nology	No. of farm ers	No. of unit s	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. Of demo. (Rs./Ha.)				Econ. Of check (Rs./Ha.)				Remar ks
							Dem o	Chec k		Dem o	Chec k	GC*	GR*	NR*	BCR*	GC	GR	NR	BCR	
1	Quail	Breed introduction	Popul arizati on of Japan ese Quail farmi ng	20	20	10	Chick Morta lity- 15%, Adult morta lity: Nil Adult body	-	-	-	-	-	-	-	-	-	-	1. 98 (u pt o 6 m on ths)	Ongo in g	

							weigh t: 180g in 6 wks, Avg Age at 1 st laying : 53 days													
2	Poultry	Breed introd uction	Popul arizati on of BV30 0 poultr y	20	20	10	Chick mort ality: 12%, Adult mort ality: 3%, Avg mont hly b.wt gain: 252g in 1 mont h, 585g in 2 mont h, 774 g in 3 mont hs, 868g in 4 mont hs, 1100 g in 5 mont hs, 840 g	Chick mort ality: 10%, Adult mort ality: 2.5%, Avg b.wt gain: 180g in 1mon th, 375g in 2mon th, 485 g in 3mon ths, 620g in 4mon ths, 840 g in 5mon ths, 920 kg in 6	-	-	-	-								Ongoin g

							in 5 mont hs, 1.2 kg in 6 mont hs. Age at 1st layin g : 6 mont hs	mont hs. Age at 1st layin g : 5 mont hs												
3	Duck	Breed introd uction	Demo nstrati on on produ ctive perfor manc e of Khaki camp bell duck	20	20	10	Duckl ing mort ality: 14%, Adult mort ality: Nil 356g in 4wee ks, 600g in 8wee ks, 980g in 12 week s, 1.3 kg in 16 week s. Egg produ ction: Not yet starte d	Duckl ing mort ality: 18%, Adult mort ality: Nil 304g in 4wee ks, 550g in 8wee ks, 885g in 12 week s, 27.08. g in 1 6 wee k s												Ongoin g

								Egg production: Not yet started												
4	Poultry	Breed introduction	Popularization of Kamrupa poultry	42	42	10	Chick mortality: 8%, Adult mortality: 2%, Avg monthly b.wt gain: 220g in 1 month, 485g in 2 months, 850 g in 3 months, 1.1kg in 4 months, 1.4kg in 5 months, Age at 1st laying : 6	Chick mortality: 10%, Adult mortality: 2.5%, Avg b.wt gain: 180g in 1 month, 375g in 2 months, 485 g in 3 months, 620g in 4 months, 840 g in 5 months, 920 kg in 6 months. Age												Ongoing

								mont hs	at 1 st layin g : 5 mont hs														
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(iii) Fisheries

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, aquaculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. Of demo. (Rs./Ha.)				Econ. Of check (Rs./Ha.)				Remarks		
						Demo	Check		Demo	Check	GC*	GR*	NR*	BCR*	GC	GR	NR	BCR			
1	Vermicompost	Organic input production	Production of vermicompost using low cost unit	9	9	Yield: 3qt/harvest	-	-	-	-	500	2400	1900	4.8							Selling price: Rs. 12/-
2	Enriched vermicompost	Organic input production	Enriched vermicompost production	2	2	Yield: 1qt	-	-	-	-	1705	5000	3295	2.93							Selling price: Rs. 50/-

(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				
1	Seed cum fertilizer drill	Maize	Seed sowing and fertilizer application	5	10	10 mandays/ ha for sowing fertilizer application	*83 mandays/ ha for sowing and fertilizer application	87.95	73	18250.00 reduce in sowing	

f. Performance of FLD on Crop Hybrids

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

3.3. Achievements on Training

3.3.1. Farmers and Farm Women in On Campus including Sponsored On Campus Training Programmes

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

Thematic area	No. of Courses/ prog			Participants																		Grand Total (x + y)
	On-Campus (1)	Sponsored 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)	
I. Crop Production																						
Weed Management																						
II. Horticulture																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
IV Livestock Production and Management																						
Piggery Management	1	-	1	0	0	32	0	32	0	0	0	0	0	0	0	0	0	32	0	32	0	32
V Home Science/Women empowerment																						
Household food security																						
TOTAL	1	-	1	0	0	32	0	32	0	0	0	0	0	0	0	0	0	32	0	32	0	32
3.3.2. Achievements on Training of <u>Farmers and Farm Women in 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		
				Of f	Sp Off*	Of f	Sp Off*	Off	Sp Off*	Of f	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Cropping Systems	3	0	3	59	0	23	0	82	0	0	0	0	0	0	0	59	0	23	0	82	0	82
Crop Diversification	2	0	2	40	0	13	0	53	0	0	0	0	0	0	0	40	0	13	0	53	0	53
Seed production	2	0	2	51	0	34	0	85	0	0	0	0	0	0	0	51	0	34	0	85	0	85
Integrated Crop Management	2	0	2	13	0	0	0	13	0	21	0	27	0	48	0	34	0	27	0	61	0	61
II. Horticulture																						
a) Vegetable Crops																						
Production technology of vegetable crops	2	0	2	38		14		52		2		23		25		40		37			77	77
Nursery raising	1		1	15		10		25								15		10			25	25
b) Fruits																						

c) Ornamental Plants																						
Flower production	1		1	18		7		25							18		7		25		25	
d) Spices																						
Production and Management technology	2		2	61		17		78							61		17		78		78	
III Soil Health and Fertility Management																						
Soil fertility management	2		2	23		27		50		0		0		0	23		27		50		50	
IV Livestock Production and Management																						
Poultry Management	3	0	3	03	0	78	0	81		1	0	2	0	3	0	04	0	81	0	85	0	85
Piggery Management	4	0	4	13	0	92	0	105	0	0	0	16	0	16	0	13	0	108	0	121	0	121
Goat Management	1	0	1	0	0	21	0	21	0	0	0	8	0	8	0	0	0	29	0	29		29
V Home Science/Women empowerment																						
Value addition	1	1	2	4		12	36	16	36				4		4	4		12	36	16	40	56
Location specific drudgery reduction technologies	2	0	2	18	0	9	0	27	0	9	0	16	0	25	0	27	0	25	0	52	0	52
Women and child care /care	2		2	35		46		80							35		46		80			80

for old																							
TOTAL	30	1	31	39	0	40	36	793	36	33	0	92	4	125	4	424	0	496	36	84	11	959	
(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			
				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)		
Vermiculture	1		1	-	-	21	-	21	-	-	-	-	4	-	4	-	-	25	-	25	-	25	
Value addition	1	1	2	2		8	29	10	29	1				1			3		8	29	11	29	40
TOTAL	2	1	3	2	0	29	29	31	29	1	0	4	0	5	0	3	0	33	29	36	29	65	
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			
				Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*		
Integrated crop management	1	0	1	31	0	1	0	31	0	0	0	0	0	0	0	31	0	1	0	31	0	31	
Vermiculture	3	-	3	32	-	69	-	101	-	-	-	4	-	4	-	32	-	73	-	105	-	105	
Protective cultivation (Green Houses,	1		1	15		10		25							15		10		25			25	

Shade Net etc.)																							
Production technology of vegetable crops	1	0	1	10	0	15	0	10	15	0	0	0	0	0	10	0	15	0	25	0	25		
TOTAL	6	0	6	88	0	95	0	167	15	0	0	4	0	4	0	88	0	99	0	186			

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)	

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		
				Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f	Sp Off*	Of f		Sp Off*
Productivity enhancement in field crops	3	0	3	62	0	2	0	64	0	8	0	0	0	8	0	70	0	2	0	72	0	72
Cultivation of Fruit	1		1	5		20		25							5		20		25		25	

Household food security by nutrition garden	3		3	16		87		103			2		2		16		89		105		105	
Production and use of organic inputs	5	-	5	-	-	99		99		-	-	24	-	24	-	-	-	123	-	123		123
TOTAL	12	0	12	83	0	208	0	291	0	8	0	26	0	34	0	91	0	234	0	325	0	325

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
Soil Science	Soil Science	Training on Vermicompost production	30 th October, 2019	1day	KVK, Sivasagar	Rural youth	0	25	25	0	0	0	0	25	25
Community Sc	Value addition	Value added product from mushroom	19/02/2020 to 21/02/2020	03	KVK, Sivasagar	Rural youth	3	8	11	0	0	0	3	8	11
Animal Science	Pig	Scientific management of pig	23.12.19	01 day	KVK, Sivasagar	Farmer & Farm women	0	32	32	0	0	0	0	32	32
Total							3	65	68	0	0	0	3	65	68

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	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	ICM	Production technology of rice	3/6/19	1	Dikhowmukh college	Farmer & Farm women	27	2	29	8	2	10	35	4	39
	Seed production	Quality seed production of rice & seed storage technology	4/6/19	1	Hulal gaon	Farmer & Farm women	31	29	60	0	0	0	31	29	60
	ICM	Scientific production technology of Sali paddy	7/6/19	1	Phulpani barua Panchayat	RY	30	1	31	0	0	0	30	1	31
	Crop diversification	Prospects of field crops in doubling Farmers' income	10/6/19	1	Hulal Gaon	Farmer & Farm women	23	6	29	0	0	0	23	6	29
	Seed production	Quality seed production of rice & seed storage technology	17/6/19	1	Phulpani chiga	Farmer & Farm women	20	5	25	0	0	0	20	5	25
	Crop diversification	Prospects of field crops in doubling Farmers' income	19/6/19	1	Phulpani chiga	Farmer & Farm women	17	7	24	0	0	0	17	7	24
	Seed production	Quality seed production with special emphasis on seed village concept	10/7/19	1	DAO charaideun	Extension Functionaries	18	2	20	0	0	0	18	2	20
	Seed production	Quality seed production with special	24/7/19	1	SDAO Nazira	Extension Functionaries	20	2	22	0	0	0	20	2	22

		emphasis on seed village concept														
	Seed production	Quality seed production with special emphasis on seed village concept	21/8/19	1	DAO Sivasagar	Extension Functionaries	26	0	26	3	1	4	29	1	30	
	Cropping system	Scope of relay cropping in Upper Brahmaputra Valley Zone	20/11/19	1	Garkakharia Gaon	Farmer & Farm women	24	3	27	0	0	0	24	3	27	
	ICM	Production technology of Hybrid Boro paddy	4/1/2020	1	Ligiribari	Farmer & Farm women	0	0	0	21	9	30	21	9	30	
	Cropping system	Rice based cropping system	4/1/2020		Majarbari	Farmer & Farm women	2	0	2	13	14	27	15	14	29	
	Cropping system	Scope of relay cropping in Upper Brahmaputra Valley Zone	11/3/2020	1	Kharadhora	Farmer & Farm women	22	6	28	0	0	0	22	6	28	
Horticulture	Summer vegetables	Scientific cultivation practices of important Summer vegetables	6.7.19	6.7.19	Bokota	Farmer & Farm women	17	7	24	2	0	2	19	7	26	
	Flower crop	Scientific cultivation practices of tuberoses and Marigold	21.8.19	22.8.19	Hahchora	Farmer & Farm women	16	6	22	2	1	3	18	7	25	
	Rabi vegetables	Scientific cultivation practices of Rabi vegetables	13.9.19	16.9.19	Hulagaon,	Farmer & Farm women	19	7	26	0	0	0	19	7	26	

	Protected cultivation practice of vegetables	Vegetables	19.9.19	19.9.19	Lakua	Rural youth	15	10	25	0	0	0	15	10	25
	Spices crop	Production technique of spices crops of Assam	11.11.19	14.11.19	Nazira block,	Farmer & Farm women	41	12	53	0	0	0	41	12	53
	Fruit crop	Scientific cultivation of Assam lemon and Papaya	19.12.19	19.12.19	Abhoyapur	EP and NGO Personnel	5	20	25	0	0	0	5	20	25
	Vegetables	Cultivation practices of tomato and bhoot jolokia	21.1.20	21.1.19	Disangmukh	Farm women	0	0	0	2	23	25	2	23	25
	Rabi vegetables	Scientific cultivation practices of Rabi vegetables	29.01.20, 30.01.20	1.02.20	Gaurisagar	Farmer & Farm women	23	2	25	0	0	0	23	2	25
	Vegetable	Training on cultivation practices of French bena, Cauliflower, Pea under NEH component	8.2.2020	8.2.2020	Phulpanigiga	RY	10	15	25	0	0	0	10	15	25
	Spices crop	Production technique of spices crops of Assam	15.2.20	17.2.20	Dikhowmukh block	Farmer & Farm women	20	5	25	0	0	0	20	5	25
Soil Science	Organic input production	Vermicompost production for Krishi Sakhi	4/09/2019	1 day	SIRD	EF	0	22	22	0	2	2	0	24	24
		Production & use of Organic inputs for Soil Fertility management	11 th to 12 th September, 2019	2 days	Bharalua	Farmer & Farm women	0	25	25	0	0	0	0	25	25

		Production & use of Organic inputs for Soil Fertility management	16 th to 17 th September, 2019	2 days	Hologuri	Farmer & Farm women	23	2	25	0	0	0	23	2	25
		Training on vermicompost production	22/11/2019	1 day	Loonporia	EF	0	30	30	0	0	0	0	30	30
		Two days training programme on Production Technology of Vermicompost	26 th to 27 th November, 2019	2 days	Dewalgaon	Rural youth	11	14	25	0	0	0	11	14	25
		Training programme on Production Technology of Vermicompost	28/11/2019	1 day	Amguri Borsila	Rural youth	0	21	21	0	4	4	0	25	25
		Training programme on Soil Health Management through enriched Vermicompost	2/2/2020	1 day	DAO, Sivasagar	EF	0	24	24	0	0	0	0	24	24
		Training on Vermicomposting	25/02/2020	1 day	Dekhommukh	EF	0	0	0	0	20	20	0	20	20
		Training on Soil Health Management at on	10/03/2020	1 day	Gaurisagar	EF	0	23	23	0	2	2	0	25	25
		Two days training programme on Production Technology of vermicompost	11 th to 12 th March, 2020	2 days	Nitaipukhuri, Demow	RY	21	9	30	0	0	0	21	9	30
Community Sc	Location specific drudgery reduction technolo	Hands on training on location specific drudgery	13/04/2019	01	Haripara Ali	Farmer & Farm women	0	0	0	9	16	25	9	16	25

	gies	reduction technology for increasing work efficiency													
	Women and child care	Training on Home Science on women and child care	02/04/2019	01	NaoiMikha, Konwar pur	Farmers & Farm women	22	34	56	0	0	0	22	34	56
	Value addition	Value addition of Jackfruit	25/06/2019	01	Joya par, Dhai ali	Farmers & Farm women	4	12	16	0	0	0	4	12	16
	Household food security by nutrition garden	Nutrition garden at Anganwadi centres	25/09/2019	01	Amguri ICDS	EF	0	23	23	0	2	2	0	25	25
	Household food security by nutrition garden	Nutritional Security of children b establishing nutrition garden a school premises	17/08/2019	01	Deoroja jonata Higheir Secondary school	EF	13	16	29	0	0	0	13	16	29
	Location specific drudgery reduction technologies	Drudgery reduction technologies for women o enhance productivity and safety in agriculture	28/09/2019	01	Hundar pukhuri hualal Goan	Farmers & Farm women	18	9	27	0	0	0	18	9	27
	Household food security by nutrition garden	Nutrition education for Early childhood educators	16/10/2019	01	Jilla Porokhod Sivasagar	EF	3	48	51	0	0	0	3	48	51
	Value addition	Processing and preservation of Fruits and vegetables	12/03/20 to 13/03/20	02	Lakuwa Dev block office	Farm women	0	36	36	0	4	4	0	40	40
	Women	Special care	19/03/20	01	Ramu	Elderly farmers and farm	13	12	25	0	0	0	13	12	25

	& child care/care for old age	for elderly people	020		goan	women									
Animal Sc	Pig	Scientific management of pig (3 nos)	19.07.19	1 day	Demow	Farmer & Farm women	0	13	13	0	12	12	0	25	25
			20.07.19	1 day	Nazira	Farmer & Farm women	13	12	0	0	0	0	13	12	25
			05.03.20	1 day	Mahmora	Farmer & Farm women	0	35	35	0	4	4	35	4	39
	Poultry	Scientific management of poultry & duck (3 nos)	18.07.19	1 day	Amguri	Farmer & Farm women	0	25	25	0	0	0	0	25	25
			30.07.19	1 day	Nazira	Farmer & Farm women	02	23	25	0	0	0	0	25	25
			04.09.20	1 day	Mathurapur	Farmer & Farm women	03	31	34	1	2	3	4	33	37
	Goat	Scientific management of goat (1 nos)	06.03.20	1 day	Panibil	Farmer & Farm women	0	21	21	0	8	8	0	29	29

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days)	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total			Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. Generated through the enterprise	
					M	F	T	M	F	T	M	F	T					
Horticultural crop	5.8.19 to 9.8.19	5 days	Nursery management	Vocational training on nursery management of Horticultural crop	18	8	26	0	0	0	18	8	26	1	1	1	10,000	11570.00
Vermicompost & allied	17/3/2020 to 21/3/2020	5 days	Organic input production	Production technology of various enriched compost & its use in Agriculture	2	13	15	0	0	0	2	13	15					
Value addition/Fruits and vegetables	13/06/19	07	Processing and preservation	Vocational training on value addition of fruits and vegetables for Entrepreneurship development	1	13	14	0	1	1	1	14	15	Processing and preservation unit	07	04 in 2 units	60000/	Nil
Livestock	23.12.19 - 27.12.19	5days	IFS	Integrated Farming System	2	23	25	0	0	0	2	23	25	4	4	0	Just started	No

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		
Vocational	Rural youth	24.01.20 - 30.01.20	6	Animal Sc	Piggery	Scientific management of pig	23	01	24	04	0	04	27	01	28	MANAGE	42,000
ASCI	RY	4.2.2020 - 28.02.2020	20	Agronomy	Seed Production	Quality Seed Grower	20	0	20	0	0	0	20	0	20	ASCI	196000
ASCI	RY	4.2.2020 - 28.02.2020	20	Agri Extension	Mushroom production	Mushroom production	6	12	19	1	1	2	7	13	20	ASCI	196000
On/Vocational	RY	26/08/2019 to 31/08/2019	06	Community Sc	Value addition/ Processing and preservation	Skill training of rural youth (STRY) on Value addition of fruits and vegetables for entrepreneurship development	0	29	29	0	0	0	0	29	29	SAME of NM AET (Assam)	40,000
Total							49	42	92	5	1	6	54	43	97		474000

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2019-20

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1	Advisory services	Processing and preservation, baby food, fortified food	August 2019 to March 2020	20	5	15	20	0	3	3	0	10	10	5	28	33
2	Diagnostic visit	Pest and disease in orange, Paddy,		22	24	15	39	4	15	19	0	0	0	28	30	58

		Dairy, Poultry, Papaya, Coconut, Bhoot jalakia, Rabi vegetables, Model orchard														
3	Field day	Nutrition garden for nutritional security	10/3/2020,11/02/2020	02	0	40	40	0	0	0	01	01	02	01	41	42
		Vermicompost production by using low cost unit	13.03.20	1	20	0	20	0	0	0	0	0	0	20	0	20
		Field day on Buckwheat	29.4.19	2	23	6	29	0	0	0	0	0	0	23	6	29
		Field day on Millet	4.7.19	1	26	5	31	0	0	0	0	0	0	26	5	31
4	Film show			3	10	52	62	10	15	25	0	0	0	20	67	87
5	Exhibition	Agricultural technologies for banana cultivation	11/02/2020 to 12/02/2020	01	300	400	700	100	100	200	25	25	50	425	525	950
6	Scientists visit to farmers fields			35	218	20	238	45	10	55	0	0	0	263	30	293
7	Plant/ Animal Health camp	Plant Health Clinic at Ujoni Bharalua	11/10/2019	01	5	4	9	3	2	5	0	0	0	8	6	14
		Plant Health Clinic at Thekeratol	23/1/2020	01	0	0	0	10	5	15	0	0	0	10	5	15
		Plant Health Clinic at Gotonga	23/1/2020	01	8	2	11	0	0	0	0	0	0	8	2	11
8	Ex-trainee Sammelan	Ex trainee meet 2020	01/01/2020	01	18	28	46	0	0	0	0	0	0	18	28	46
9	Method demonstration	Natural dye application in cotton and endi yarn	24/10/19	01	0	8	8	0	8	8	0	0	0	0	16	16
		MD on mixed vegetable pickle and chilli pickle	25/11/19	01	0	12	12	0	11	11	0	0	0	0	23	23
		MD on king chilli pickle	31/12/2019	01	0	17	17	0	0	0	0	0	0	0	17	17
		Md on processing	04/03/2020	01	3	19	22	0	0	0	0	0	0	3	19	22

		and preservation of fruits and vegetables														
		MD on processing and preservation of fruits and vegetables	07/03/2020	01	0	29	29	0	0	0	5	0	5	5	29	34
		MD on line transplanting	22.6.19	01	5	3	8	0	6	6	0	0	0	5	9	14
		MD on wet drum seeder	23.7.19	01	14	4	18	0	0	0	0	0	0	14	4	18
		MD on line transplanting	25.7.19	01	3	7	10	0	0	0	0	0	0	3	7	10
		MD on seed cum fertilizer drill	23.11.19	01	7	0	7	0	0	0	0	0	0	7	0	7
		MD on Media preparation for nursery	03.07.19	1	8	0	8	2	0	2	0	0	0	10	0	10
		MD on paring and pralinage operation in banana	4.07.19	1	8	4	12	0	0	0	0	0	0	8	4	12
		MD on ring method of fertilizer application in coconut	10.08.19	1	11	0	11	0	0	0	0	0	0	11	0	11
10	Celebration of important days	World environment day	05/06/2019	01	25	30	55	0	0	0	12	8	20	37	38	75
		Celebration of Womens' Day	08/03/2020	01	48	08	56	0	0	0	4	0	4	52	08	60
		Celebration of 150 th birth anniversary of MK Gandhi	2/10/2019	01	42	58	100	3	10	13	4	2	6	49	70	119
		World Food Day	16.10.19	1	14	7	21	0	0	0	0	0	0	14	7	21
		World Soil day	05.12.19	1	45	20	65	0	0	0	2	0	2	47	20	67
11	Exposure visits	Exposure visit to farmers' fair at RARS Titabar on	7/11/19	1	50	30	80	0	0	0	0	0	0	50	30	80
		Exposure visit to Machinery Demo at AAU, Jorhat	28/2/19	1	30	10	40	0	0	0	0	0	0	30	10	40

		Exposure visit to farmers fair at Kahikuchi, Guwahati	25.02.20 to 27.02.20	1	7	0	7	0	0	0	0	0	0	7	0	7	
12	Extension literature			1													
13	Newspaper coverage			11													
14	Popular articles	HYV of rice and their characteristics by P. Dutta, Dainik Janambhumi	11/6/19	2													
		Technology of increasing rice production by P. Dutta, Dainik Janambhumi	25/6/19														
15	Radio talk	Shihur babe Pustigun Sampana Khadya prastuti	D/Rec 06/03/20 D/B 12//03/2020 Air Dib	01													
		Radio Talk on Importance of field crops on Doubling Farmers' Income	05/08/19	01													
		Rabi shasyar pathar prastuti aru parichalona	09.09.19														
		Banpanir pisot matir bibyasthapana	27.08.19	1													
		Grisma kalot broiler murgir lobo loga habhodhanata	26.08.19														
		Barikha kalot pasu pakhir bemar aru pratikar	07.08.19														
16	Training manual	Training manual on Processing and preservation	2019-20	01													

		of fruits and vegetables														
		Training manual on "Quality Seed Production"	2019-20	01												
17	Soil health camp	2	12/09/2019	1	31	11	42	0	0	0	0	0	0	31	11	42
			14/02/2020	1	10	30	40	0	1	1	0	0	0	10	31	41
18	Awareness camp	Formation of FPO	15.07.2019	1	39	14	53	0	0	0	9	0	9	48	14	62
		Parthenium Awareness week	16.08.19	1	14	3	17	0	0	0	0	0	0	14	3	17
			17.08.19	1	72	46	118	0	0	0	0	0	0	72	46	118
			21.08.19	1	0	0	0	0	0	0	21	0	21	21	0	21
			21.08.19	1	31	19	50	0	0	0	0	0	0	31	19	50
		National Animal Disease Control Programme	11.09.19	1	59	47	106	4	0	4	4	0	4	67	47	114
		Malnutrition	13.09.19	1	0	127	127	0	4	4	0	0	0	0	131	131
		Large scale plantation programme	17.09.19	1	89	27	116	2	0	2	2	0	2	93	27	120
		Poshan Abhiyan	19.09.19	1	0	19	19	0	0	0	0	0	0	0	19	19
		Malnutrition	26.09.19	1	0	0	0	0	0	0	0	61	61	0	61	61
		Malnutrition	30.9.19	1	4	51	55	0	0	0	0	2	2	4	53	57
Workshop on PCRA	14.10.19	1	19	15	34	0	0	0	4	0	4	23	15	38		
Fertilizer application	22.10.19	1	98	60	125	15	10	25	4	0	4	117	70	187		
19	Lecture delivered as resource person	Total feeding for 6 to 2 years of children	30/09/2019	01	10	30	40	5	10	15	5	5	10	20	45	65
		Nutrition garden at Anganwadi centres	26/09/2020	01	3	40	43	10	5	15	4	5	9	18	50	68
		Hygienic cooking competition on Nutritious 18 foods for pregnant and lactating women and children below 5 years	30/09/2019	01	0	18	18	0	5	5	0	6	6	0	29	29
		Value addition of fruits and vegetables	17/12/19 and 24/12/19	01	0	20	20	0	1	1	4	0	4	4	21	25
		Value addition of fruits and	18/02/2020	01	5	31	36	0	0	0	0	0	0	5	31	36

		vegetables and good packaging of processed foods.														
		Training on vermicomposting	5/08/2019	1	21	4	25	0	0	0	0	0	0	21	4	25
		Training on vermicomposting	6/08/2019	1	7	18	25	0	0	0	0	0	0	7	18	25
		Training on Livelihood Security	03/09/2019	1	0	0	0	0	0	0	0	30	30	0	30	30
		Training on Soil Health Management	14.11.2019	1	22	3	25	0	0	0	0	0	0	22	3	25
		Training on Soil sample collection under Seed grower	10/02/2020	1	20	0	20	0	0	0	0	0	0	20	0	20
		Scope and importance of field crops in Sivasagar District	7/4/19	1	21	5	26	0	0	0	0	0	0	21	5	26
		Rice cultivation technology in flood affected area	8/4/19	1	17	8	25	0	0	0	0	0	0	17	8	25
		IPM in Boropaddy	19/4/19	1	0	0	0	21	10	31	0	0	0	21	10	31
20	Farmer-Scientist interaction	Kochupothar	4/7/19	1	26	5	31	0	0	0	0	0	0	26	5	31
		Lalimchiga	10/3/2020	1	24	6	30	0	0	0	0	0	0	24	6	30
		Kharadhora	14/3/2020	1	17	13	30	0	0	0	0	0	0	17	13	30
21	Swachhatta Pakhawada	Lahon gaon	12.09.19	1	19	16	35	0	0	0	0	0	0	19	16	35
		Deoraja M V School	18.09.19	1	2	26	28	0	0	0	0	0	0	2	26	28
		Deoraja H S Public School	19.09.19	1	23	10	33	0	0	0	0	0	0	23	10	33
		KVK, Sivasagar	25.09.19	1	5	10	15	0	0	0	0	0	0	5	10	15
		Amguri	26.09.19	1	3	40	43	10	5	15	0	0	0	13	45	58
		Hulal Gaon	28.09.19	1	23	5	28	0	0	0	0	0	0	23	5	28
		Nazira	30.09.19	1	0	18	18	0	5	5	0	0	0	0	23	23
		Abhoyapur Block	27.12.19	1	0	25	25	0	1	1	0	0	0	0	26	26
		KVK, Sivasagar	28.12.19	1	16	31	47	0	0	0	0	0	0	16	31	47
Grand Total				170	1727	1704	3399	244	242	486	110	155	265	2082	2101	4184

3.5 Production and supply of Technological products during 2019-20

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Ranjit Sub-1	16.55q	62,890.00	12	24	36
	Paddy	Shraboni	16.37q	62,206.00	09	30	39
	Paddy	Numoli	0.3q	1140.00	4	2	6
OILSEEDS	Toria	TS-67	6.5Q	55,250.00	21	16	37
	Sesamum	Koliabor Local	0.4q	7200.00	2	3	5
Mushroom Spawn		Oyster	0.325	3250.00	20	0	20

A1. SUMMARY of Production and supply of Seed Materials during 2019-20

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries		
				General	SC/ST	Total
1	CEREALS	33.22q	1,26,236.00	25	56	81
2	OILSEEDS	6.9q	62,450.00	23	19	42
TOTAL		40.12q	1,88,686.00	48	75	123

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
Fruits	Assam Lemon		1000nos.	30,000.00	8	23	31
Spices	Black pepper	Panniyur-1	1000nos.	20,000.00	11	26	37

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2019-20

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				General	SC/ST	Total
1	Fruits	1000nos.	30,000.00	8	23	31
2	Spices	1000nos.	20,000.00	11	26	37
TOTAL		2000nos.	50,000.00	19	49	68

C. Production of Bio-Products during 2019-20

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOFERTILIZERS								
1	Vermicompost	Eisenia spp.		5.5	5500.00	3	35	38

C1. SUMMARY of production of bio-products during 2019-20

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	Eisenia spp.		5.5q	5500.00	3	35	38
3	BIO PESTICIDE							
	TOTAL			5.5q	5500.00	3	35	38

D. Production of livestock during 2019-20

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	Goat	Beetal	1no.		8000.00	00	01	01
		Cross Breed	5nos.		25,000.00	2	3	05
2	Piggery	Hamshire T& D Cross breed	30nos.		90,000.00	0	30	30
3	Poultry	BV-300	17 nos.					
		Kamrupa	53nos.					
		Inbro brown layer	20nos.					

D1. SUMMARY of production of livestock during 2019-20

Sl. No.	Livestock category	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		Total number of Recipient beneficiaries
			Nos	(kg)		General	SC/ST	
1	CATTLE							
2	SHEEP & GOAT	Beetal, Crossbreed	06		33,000.00	02	04	06
3	POULTRY	BV-300 Kamrupa Inbro brown layer	17 nos. 53nos. 20nos.					
4.	PIGGERY	Hamshire T& D Cross breed	30nos.		90,000.00		30	30
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL				1,23,000.00	02	34	36

3.6. Literature Developed/Published (with full title, author & reference) during 2019-20

(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.	Interventions of Reclamation Technologies for Sand/silt deposited Matmora area of Lakhimpur District, Assam : <i>International Journal of Bioresource & Stress Management</i> 10(4): 377-381	Bordoloi A , Bora B, Bhattacharya S, Deka N and Goswami J	
2.	Adoption of Vermicompost Technology for Livelihood Improvement of Farmers in Sivasagar District of Assam, India: <i>International Journal of Current Microbiology and Biotechnology</i> 9(2): 104-108	Bordoloi A , Bora R and Handique P	
3.	Efficiency of Mycorrhizal Fungi with Different Levels of Phosphatic Fertilizer on Growth of Piper mullesua	Bordoloi A and Shukla A K	

	Plantlets: <i>International Journal of Current Microbiology and Biotechnology</i> 9(3): 771-785		
Training manuals	Training manual on mushroom cultivation		
	Training manual on quality seed production		
Technical Report			
1.	ZREAC		
2.	Monthly Reports		
3.	Annual Report		
Book/ Book Chapter			
Popular articles	Vam onujiba xar aru khetit eyar bybohar	A. Bordoloi , SMS (Soil Science)	
	Banpanir pisot lobo loga matir joton	A. Bordoloi SMS (Soil Science)	
	VAM ba Mycorrhiza	A. Bordoloi SMS (Soil Science)	
	HYV of rice and their characteristics	P. Dutta SMS (Agronomy)	
	Technology of increasing rice production	P. Dutta SMS (Agronomy)	
Leaflets/folders	Integrated Pig cum fish farming	Dr. A. Goswami, J.J. Yein, Dr. P. Handique, Dr. R. Saud, Dr. M. Neog	100
TOTAL			

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

(C) Details of Electronic Media Produced

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

- 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)**

Success Story I: Commercial vegetable grower: Where there is a will, there is a way

Background information of the farmer:

Mr. Biman Dutta, Age 45 is from Khoradhara village under Gourisagar development block in Sivasagar district of Assam state, India. He is a class 9 passout and currently owns 44 bigha of cultivable land for cultivation (42 bigha lease land). He grows rabi vegetables like Cauliflower, Cabbage, Knol khol, Pumpkin, Potato, Tomato, Brinjal, French bean, Maize, Mustards including kharif season vegetables like Ridge gourd, Okra, Pumpkin, Bottle gourd, Cucumbers etc.

Journey in timeline:

According to Mr. Dutta, the manner in which we grow in a society depends on the environmental condition of a particular area. He has a deep interest in farming because his ancestors used to practice cultivation. He started his cultivation journey with his father at the age of 12. Once his father suffering from disease complete responsibilities come to Mr. Biman Dutta at the age of 16. He started thinking of producing food for the future generations after suffering from starvation. He decided cultivation of crops as a profession. Initially he started with 2.5 bigha of land. During 2009, he meets KVK scientist and takes advices and training of scientific methods of production of different crops. Having inspired by the scientist of KVK, he started of growing of Boro rice var. Kanaklota in a scientific way. But due to flood crops fails. After a couple of years, he got married and entered completely to the Rabi season vegetable including fodder and oilseeds cultivation to increase the family income. Though he earned sufficient money from vegetable sellings but he was not satisfied with the limited area. So he contract for 42 bighas of leases land for cultivation during last 6-7 years. Now he got a good yield, which brought him immense happiness. He conducted FLD programme Potato var. Kufri pukraj, Tomato Arka Rakshak and OFT on Arka Abed very successfully and got very good results. During the process KVK scientist regularly monitor the performance and provide technical care and supports.

Special strengths/ traits / advantages /technologies/ innovations/ circumstances that could be attributed to his/her success:

Mr. Dutta believes that an experienced farmer is a real agriculture scientist. He mentions that the crops are very sensitive, and special care should be taken at almost each stage of its growth. Currently he used all the hybrid and high yielding crop varieties like pumpkin Arjuna F1, potato Kufri jyoti, Kufri Pukhraj, cole crop like White excel, White Vienna, Tomato arka rakshak, Rocky and varities recommended by KVK scientists. He also helping 5 numbers of households who are in engages in his field work.

Impact of the success on his/ her life (income, resource growth etc.) and others around:

He gets around 600 quintals of pumpkin var Arjuna F1, 400 quintals of potato, 120 quintals of brinjal, 400 quintals of cole crops per year and is earning around Rs. 5-7 lakh as his annual income. He attributes his success to hard work, taking right decisions at the right time and applying scientific practices for cultivating crops.



Lessons for the fellow farmers /farm women / potential entrepreneurs / community and also for KVK and other agencies:

Mr. Dutta believes that farmers do not need more than 50 acres of land for successful farming; they need dedication and continuous efforts. He also suggested that the youth “take up agriculture and allied activities and preserve our ancestral occupation for future generations”.He has become a role model for fellow farmers in the Sivasagar districts. His plan for the future is to expand more area by purchasing land and inculcating the value of agriculture among youth who are quitting agriculture.

Success story II : Mrs. Bharati Das

Impact of vocational training :

Mrs. Bharati Das (35 yrs) of Napam Chamaguri village of Sivasagar Assam , was engaged in part time basis in a green tee producing factory. She was also involved in packaging of some preserved food items produced by local SHG in that factory. She has two school going children. Her family always faced financial crisis as income of her (Rs.1500/month) and her wage earner drunken husband (Rs.4000/month) was not sufficient to meet the family demands. They have no cultivable land also. In this situation to improve her family status she thought for other source of income. In that time she heard about KVK, Sivasagar from some of her well wishers. She along with her friends came to KVK and requested to train her in the field of processing and preservation. So that she will be able to prepare pickles, jam, jelly, squash and other processed items. Though far from her house and expensive transportation cost, she attended a 7 days vocational training on **value addition of vegetables and fruits** on 13th August to 20th August 2019 at KVK, Sivasagar. Just after the training programs she has started processing and preservation business at household level and expanded marketing of her products outside the village along with her part time job. She collects different fruits and vegetables from within and nearby villages. She emphasized in preparing pickle and jam. She has prepared 210 kg of pickles of different kinds , 45 kg of mixed fruit jam and 150 bottles 112 liters of squash and earned a handsome money. Now Mrs. Das, regularly produces different pickles and supplied to local market. She herself sale her products in a rental shop along with fresh vegetables. KVK, Sivasagar helps her in building linkage with other departments of Sivasagar district ,specially with DIC, Sivasagar, Food safety officer, Sivasagar and RSETI, Sivasagar. She gradually developed herself as an entrepreneur by attending training at RSETI, UBI, Sivasagar and becomes active member of APRT – DIC, Sivasagar. **With constant support from KVK, she got *fssai* license (*fssai* no.20319118000065) for her products and received PMGEP loan of Rs. 5 lakhs to expand her business.** She establishes a full-fledged processing and preservation



unit at Chamamaguri, Amguri ,Sivasagar with the **brand name of Axomia Annapurna**. Her fermented Bamboo pickle with King chilli gets highest consumer demand. **Now her monthly net turnover is Rs.12500.00/ (which is more than double of her family's earlier income) and she also employed two fellow lady during the peak season of fruits in part time basis.**

Thematic area: Off Farm Activities

1. Name of the Women & Proper address : Mrs. Bharati Das
Vill. Napam Chamaguri
P.O .Chamaguri
Pin. 785680

2.Year of Linkage with KVK,Sivasagar: 2019

3.Major Activities of the Women :

- Value addition of fruits and vegetables
- Value addition and Primary processing of rice
- Garden fresh vegetables (Primary processing)

4.Major achievements area wise(From Sept 2019 till April 2020)



Sl No.	Area	Production	Sale price	Sale details		Income (Rs.)
				Within Sivasagar district	Outside Sivasagar (Nagaland and Tinsukia)	
1	Value addition of fruits and vegetables					
a.	Pickle	2.10 q	Rs.200/kg	Within Sivasagar	Nagaland	42,000.00
b.	Jam and Jelly	0.45 q	Rs.180/500gm bottle	Within Sivasagar	Nagaland	8,100.00
c.	Squash	150 bottles	Rs.110/bottle	Within Sivasagar	Tinsukia	16,500.00
2.	Value addition and Primary processing of rice					
a	Til pitha	2500 nos	Rs.5/ps	Within sivasagar		12500.00
b	Kumal Chaul	50kg	Rs.100/kg	Within Sivasagar		5000.00
c	Packaging of Joha	1.00q	Av profit Rs.5/kg	Within Sivasagar		500.00

	Rice and Bora rice				
3	Vegetables selling	24.00 q	Av. Profit Rs. 7/kg	Within Sivasagar	16800.00
Total sale from-Sept19 to April 20 =					101400.00
(Rs.One lakh one thousand four hundred only)					

5. Annual Turnover/Profit : Rs. 101400.00 and profit Rs.100000.00 (due to low price of raw materials and marketing at their own they get maximum profit)

6. Future plan : Increasing the variety of product including dry amla , Soup powder, Dry powder etc.

Success story III: Srimati Subhadra Mech

Srimati Subhadra Mech, a farm woman of 52 years age from Haripar Ali of Nazira Sub division is familiar as progressive farmer cum entrepreneur in the locality with her own hardwork, interest and guidance of KVK Sivasagar. Srimati Mech has great enthusiasm for farming activities and has been engaged in farming from her childhood. Initially, she was helping her husband Sri Biswanath Mech in cultivation of Sali paddy as most of the women of farming families do. Gradually, she found interest in rabi crops as they have a small Bari as kitchen garden. She extended their kitchen garden to grow different vegetables commercially. But due to lack of scientific knowledge on vegetable cultivation, they did not get profit as desired. She also started vermicompost with her limited knowledge to fulfil her requirement of organic farming. During 2016-17, she came in contact with KVK Scientists and from then she is developing and growing in her farming. With the knowledge and technical support from KVK, Sivasagar, Srimati Mech is producing organic vegetables and also selling her products. She is also producing vermicompost in her farm to fulfil her requirement of fertilizer and earning a handsome amount by selling surplus vermicompost along with earthworms. Mashroom is another venture she has adopted with the help of KVK, Sivasagar and selling her products from her residence.



She got training on carpet making from KVK, and selling her carpets in nearby shops. Subhadra Mech is now not only earning approx. Rs. 60,000 annually by selling her farm products, also engaging 4 labourers in her farming activities. Women from nearby areas are influenced by her success and they have started adopting various farm activities to improve their livelihood. She is an example of hardworking, economically self sustained, empowered farm women of the district.

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

- Several need based Whatsapp groups are formed during this year and accordingly advisories related to different disciplines has been sent.

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Pulses	Storage of blackgram/greengram seed with ash of husk of blackgram against stored grain pest.	As the bruchid beetles are the major problems for storing of pulses
2	Rat control	Placing the leaves of elephant apple tree in the live burrow of rate holes.	To reduce the damage caused by rat in standing crops.
3	Rice	Clipping of rice seedling tips before transplanting	To check the spreading of stem borer eggs lay in the nursery beds.
4	Rice	Placing of bamboo perch in the rice field soon after transplanting	Mainly for perching of predatory birds to catch and eat the prevailing insect in the rice field.
5	Rice	Hanging of dead/rotten frogs and crabs in the rice field.	To attract rice Gandhi bug to the rotten/dead animals and thereby escapes the rice crop.
6	Rice/seed storage	Application of dried <i>Mahaneem</i> leaves & Mango leaves in seed storage	Against rice moth & rice weevil
7	Brinjal	Growing Toria (white sarson) at low population along with Brinjal crop	To reduce aphid population in Brinjal crop.
8	Livestock	Hot fomentation of Tapioca on inflamated area in case of pig.	To reduce muscle pain in pig.
9	Rice	Summer ploughing, trimming of bunds and destruction of crop residues in rice field.	Exposed the hidden insect pests in general and pupae of stem borer in particular.
10	Toria	<i>Dhaincha</i> followed by toria is a traditional practice of Missing community	To increase soil fertility.
11	Vegetables	One litre extract of crushed green chillies and garlic is mixed with 200lts of water.	Effective against aphids, jassids & other foliage feeders.

12	Potato seed storage	Cowdung coating in tubers of potato & shade drying	Against potato tuber moth
13	Potato	Use of naphthalene balls	Against insect pest of potato in storage
14	Field crop	Placing dried leaf of elephant apple near the exit hole of field rat	Against rat infestation in field

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

: Identification of courses for farmers/farm women/Rural Youth/Extension personnel:

Conduct PRA, survey, discussion with line departments, village panchyat, zila parishad, NGOs and with farmers organization like PPS, KASS, NASS

3.11 Field activities

- i. Number of villages adopted : 6
- ii. No. of farm families selected : 200
- iii. No. of survey/PRA conducted : 4 nos

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : NA

- 1. Year of establishment :
- 2. List of equipments purchased with amount :

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

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

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	25	250	10	
Total	25	250	10	

4. Details of Soil Health Cards (SHCs) (2019-20)

- a. No. of SHCs prepared: 250
- b. No. of farmers to whom SHCs were distributed: 250
- c. Name of the Major and Minor nutrients analysed: pH, Organic carbon, N, P, K, S, Zn, B and lime requirement
- d. No. of villages covered: 10
- e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page)
 - Sali rice: 95 nos. farmers were applied fertilizer based on SHC
 - Toria: 35 nos. farmers were applied fertilizer based on SHC
 - Blackgram: 22 nos. farmers were applied fertilizer based on SHC

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	9	5715	3	1695	36	23670	5	3320	6	3850			59	38250
Total	9	5715	3	1695	36	23670	5	3320	6	3850			59	38250

3.14 Contingency planning for 2019-20

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries		
			General	SC/ST	Total
	Introduction of new variety or crop				
Flood	Introduction of new variety or crop viz, Ranjit sub-1 , Bahadur sub-1 and Swarna Sub-1	140 ha	200	45	245

b. 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)
a) Rice var Ranjit as Sali rice	510	85	19,500/ha	40,600/ha
b) Boro Rice var Kanaklata for swampy area	60	65	20,600/ha	47,200/ha
c) Toria var TS-36 for normal sowing	70	45	16,300/ha	41,700/ha
d) Toria var TS-38 for late sown condition	55	75	19,100/ha	44,200/ha
e) IPM in Rice	30	35	17,200/ha	42,500/ha
f) IPM in vegetable	15	30	30,100/ha	57,200/ha
g) Vermicompost	16	45	-	16,900/unit (2m x 1m x 1m)
h) Dual purpose poultry breed Kamrupa	25	35	18,800/100 birds	33,900/100 birds
i) Mushroom	100	45	-	12500/100 bed

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

4.2. Cases of large scale adoption

i. Introduction of High Yielding Rice Variety Ranjit in Sivasagar district

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Paddy	Non availability high yielding paddy variety with farmers due to which production is low	<ul style="list-style-type: none"> Var.: Ranjit 	Adoption among beneficiaries : 100% Adoption among non beneficiaries:88%

- (i) Area/nos. covered initially : 3 ha /286 families
(ii) Horizontal spread of the technology : 403 villages
(iii) % Adoption : 88
(iv) Net income : Rs.27500.00 /ha
(v) B:C ratio : 1.54

ii. Introduction of High Yielding Toria variety TS-38 in Sivasagar district

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Toria	Non availability high yielding toria var. Due to which area under toria was decreasing in Gopalpur village of Gaurisagar block	<ul style="list-style-type: none"> Toria var. TS-38 As per package 	Adoption among beneficiaries : 86% Adoption among non beneficiaries: 53.75%

- (i) Area/nos. covered initially : 5 ha /5 nos
(ii) Horizontal spread of the technology : 46 villages
(iii) % Adoption : 53.75
(iv) Net income : Rs.26500.00/ha
(v) B:C ratio : 1.68

iii. Introduction of High yielding Toria var TS 67

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Toria	The occurrence of flood is a regular phenomenon during kharif due to which rabi is the main season in Bhekurichapori village of Nitaipukhuri area	<ul style="list-style-type: none"> Toria var. TS-67 Vermicompost 1.5 t/ha Azotobacter & PSB @ 50 gm/kg of seed 	Adoption among beneficiaries: 75% Adoption among non beneficiaries: 60%

- * (i) Area/nos. covered initially : 5 ha /5 nos
(ii) Horizontal spread of the technology : 38 villages
(iii) % Adoption : 60
(iv) Net income : Rs. 17540.00/ha
(v) B:C ratio : 1.74

iv. Processing and preservation of fruits and vegetables in Sivasagar district

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Processing and preservation	- Loss of fruits and vegetables during peak season. - Lack of scientific knowledge and skills in processing and preservation	Vocational training on processing and preservation.	60%

- * (i) No. Of participants covered initially : 20 nos.
(ii) Horizontal spread of the technology : Motivating more farm women and youth for adopting processing and preservation as an income generating venture.
(iii) % Adoption : 60%
(iv) Net income : Rs. 2000 to Rs.3000 per month
(v) B:C ratio : 6.6

v.

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Poultry	Production potentiality of local birds is very less in terms of egg production and body weight gain.	<ul style="list-style-type: none"> Variety: Vanaraja Scientific management practice (Brooding, Vaccination etc) 	Adoption among beneficiaries: 100% Adoption among non beneficiary: 26%

- (i) Numbers of farmers (initially) : 5 ha
(ii) Horizontal spread of the technology : 143 villages
(iii) % Adoption : 26%
(iv) Net income : Rs.5489/10 birds
(v) B:C ratio : 2.01

v. Popularisation of High Yielding Pumpkin variety Arjuna F1

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Pumpkin	Lack of high yielding variety	Arjuna F1	Adoption among beneficiaries: 76% Adoption among non beneficiaries: 62%

- * (i) Area/nos. covered initially : 0.5 ha
(ii) Horizontal spread of the technology : 10 villages
(iii) % Adoption : 62%
(iv) Net income : Rs. 150180.00/ha
(v) B:C ratio : 5.19

vi. Popularisation of Oyster mushroom in Sivasagar district

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Mushroom	Non availability of cultivated mushroom	Oyster mushroom	Adoption among beneficiaries: 69% Adoption among non beneficiaries: 62.5%

- * (i) Area/nos. covered initially : 8 nos.
(ii) Horizontal spread of the technology : 113 villages
(iii) % Adoption : 62.5%
(iv) Net income : Rs. 26300.00 from 100 beds
(v) B:C ratio : 8.1

vii. Scientific production technology of vermicompost by SHG in Sivasagar district

Crop/ Enterprise	Problem diagnosed	Technology intervention	Adoption/impact assessment (Quantification)*
Vermicompost production by SHGs of Sivasagar district	Non availability of efficient bio input	Tank for vermicompost: Low cost bamboo made tanks Raw Material : Farm waste, Kitchen waste Earthworm Breed : <i>Eisenia foetida</i>	Adoption among beneficiaries: 64% Adoption among non beneficiaries: 48%

		Amount of earthworm : 100gm worm/kg organic waste Duration: 45-60 days	
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- * (i) Area/nos. covered initially : 80 nos
(ii) Horizontal spread of the technology : 200 no of SHGs
(iii) % Adoption : 48%
(iv) Net income : Rs. 13,500/ farmer
(v) B:C ratio : 3.5

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

Name of specific technology/skill transferred	No. of participants	% of adoption
a) Rice var TTB-404 as Sali rice	60	43
b) Rice var. Gitesh	70	38
c) Rice var. Podumoni	50	32
d) Toria var JT-90-1 for late sowing	50	24
e) Turmeric var. Megha turmeric -1	30	28
f) IPM in brinjal	50	54
g) IPM in potato	50	46
h) IPM in Rice	60	57
i) Vermicompost	50	35
j) Composite fish culture	60	32
k) Year round mushroom production	45	23
l) Carpet making	50	12
m) Honey bee	20	16

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Nature of organization/	Name of the organization	Types of involvement
Line Department	<ul style="list-style-type: none"> ➤ District Administration ➤ Dept. of Agriculture ➤ District A.H. & Vety. Deptt. ➤ District Fisheries Dev. Office ➤ Soil Conservation ➤ Dept. of Sericulture ➤ NRLM, ASRLM ➤ Deptt. of Health and Family Welfare ➤ Social Forestry 	<ul style="list-style-type: none"> <input type="checkbox"/> Preparation of the planning of annual action plan in SACM, different days celebration <input type="checkbox"/> Organizing training programme for extension personnel <input type="checkbox"/> Joint field visit /Diagnostic visit <input type="checkbox"/> Participation of officials in different programme <input type="checkbox"/> Deputed Doctors and VFA for conducting programme <input type="checkbox"/> Organize AHC, Cooperation in livestock census, animal insurance, training and demonstration prog. <input type="checkbox"/> Organizing skill training for rural women <input type="checkbox"/> Implementing TSP programme <input type="checkbox"/> Mobilization of women HSGs <input type="checkbox"/> Entrepreneurship development <input type="checkbox"/> Celebration of important days
Non- Governmental Organizations (NGO)	Krishak Nyas, SHAPE, SHINE, KBKUS, Prerona, KASS (NGO), NOIMIKHA NGO, etc	<p>Performing as Resource person in their training, awareness programme and field visit.</p> <p>Selecting farmers and sites for conducting FLD, OFT and Exposure visit</p> <p>Technical backstopping in the demonstrations conducted by the organization</p> <p>Resource person in vocational training.</p> <p>Implementing different demonstration programme</p>
Financial Agencies	<ul style="list-style-type: none"> ➤ RSETI ➤ NABARD ➤ District Lead Bank ➤ SBI, UBI, Gramin Bikash Bank <i>etc.</i> 	<ul style="list-style-type: none"> <input type="checkbox"/> In planning annual action plan <input type="checkbox"/> Sharing resource person in different training programmes <input type="checkbox"/> Facilitating farmers for financial linkage

Other development Agencies	<ul style="list-style-type: none"> ➤ SIRD ➤ DRDA ➤ All India Radio & Doordarshan Kendra, Dibrugarh ➤ Assam Seed Certification Agency 	<ul style="list-style-type: none"> <input type="checkbox"/> Sponsorship for conducting Action research project on rearing of pigs and Awareness programme on agriculture and allied sector. <input type="checkbox"/> For coverage of demonstration programme, rural programme and exposure of successful farmer to doordarshan programme <input type="checkbox"/> For seed certification of seed growers of the district <input type="checkbox"/> Organization of important days <input type="checkbox"/> Participation in different awareness camps <input type="checkbox"/> Technology Backstopping in their different agricultural programme <input type="checkbox"/> Project preparations <input type="checkbox"/> Cooperation during implementation of CFLD,
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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 2019-20

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
TSP	Site selection, beneficiary selection, Technology Dissemination through FLD, Demonstration Unit, Agricultural equipments, IFS model, Training	April, 2018	ICAR	29,53,676.00
APART	Site selection, beneficiary selection, Technology Dissemination through FLD, Training, awareness programme, field day, field visit	June'2018	World Bank	22,50,045.00
CFLD Pulses	Site selection, beneficiary selection, Input distribution, Training, field day, field visit	Aug'2018	NFSM	5,40,000.00
Tree plantation	Large tree plantation		DAC, Gol	10000.00
PCRA	Petroleum product conservation in Agriculture sector	14.10.2019	PCRA	7500.00
Animal Disease	National Animal Disease Control Program for FMD and brucellosis and Artificial Insemination	11.09.2019	Gol	15000.00

World Bank Sponsored programme under APART 2019-20

Sl. No.	Name of Demonstration	No. Of Demo	Area (Ha)	Yield	
				Average	Range
1.	Mini- kit (1 bigha/ farmer)	185	24.05	5.55	4.8- 6.43
2.	On Farm Adaptive Trial (20 kg/demo)	20	8	6.17	5.78- 7.5
3.	Cluster Demonstration (250 kg/demo)	20	100	6.22	5.68- 7.2
4.	Dealer's Network (10kg/ demo)	25	6.25	5.45	5.28- 6.39
5.	Head to Head (10kg/demo)	40	10	5.65	5.06- 6.47
6.	ICMD For transplanted rice (10kg/ha)	13	3.25	6.54	5.55- 7.64
7.	ICMD for transplanted rice –PQR (10kg/ha)	4	1	2.22	1.47- 2.62
8.	ICMD for Learning Centre (Transplanted rice)	6	6	6.58	4.36- 7.26
9.	ICMD for Learning Centre (transplanted PQR)	4	4	2.38	1.74- 2.62
10.	Wet DSR	1	1	6.55	5.49-6.86
11.	Dry DSR	4	4	6.67	5.33- 7.35
	Total	237	167.55		

Other Extension Activities:

Activity	Target (no.)	Achieved (no.)
Quality seed production training (1 day)	2	2
Exposure visit within district	1	1
Demonstration on post harvest machinery	1	1
Rice Knowledge Bank Usage training	1	1

Front Line Demonstration conducted under *rabi* season APART 2019-20

Sl. No	Crop	Target		Achieved (ha.)	No. of beneficiaries	Location	Yield (q/ha.)
		Units	Area (ha.)				
1.	Mustard (NRCHB-101)	5	5	5	12	Rupohimukh, 2 no. Gopalpur, 1 no. Gopalpur, Gotonga, Gorukhuti	12.15 (11.36-13.19)
2	Blackgram (IPU 02-43)	5	5	5	21	Rupohimukh, Shantipur, Banmukh Patorchetia, Moran Gaon, Dihingia gaon gorukhuti	8.58 (7.93-9.25)

On Farm Trial conducted under *rabi* season APART 2019-20

Sl.No	Crop	Target		Achieved (ha.)	No. Of beneficiaries	Location	Yield (q/ha)
		Units	Area (ha.)				
1.	Cauliflower (White Excel)	5	1.25	1.25	5	Jamuguri Handique Gaon, Haripara Kachari Gaon, Ali Singa, Hulal Kalita Gaon, Ahompothar.	150 (143-157)
2	Cabbage (Green Express)	5	1.25	1.25	5	Bhatgaj, Haripara Kachari Gaon, Ali Singa, Hulal Kalita Gaon, Ahompothar.	217 (210-224)
3	Tomato (Arka Rakshak)	5	1.25	1.25	5	Khoradhora, Lalimsiga, Bhatgaj, Sunbosa, Dicial.	494 (478-509)
4	Mustard (NRCHB-101)	5	1.25	1.25	5	Khoradhora, Rupohimukh, 2 no. Gopalpur, Gorukhuti, 1 no. Gopalpur.	11.83 (11.34-12.36)

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	Training	As resource persons	
2	Advisory services	Technical support	
3	Demonstration	Technical expert	
4	Planning & execution	Core group member	
5	Awareness programme	Technical expert	

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

5.5 Nature of linkage with National Fisheries Development Board : NA

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2019-20

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Model Nursery	2019-20	1		-	-	-	-	Net house and land preparation completed
2	Model Bamboo nursery	2019-20	1	<i>Bambusa tulda</i>	-	-	-	-	Planting started
3	Dragon fruit plot	2019-20	0.026						
4	Mushroom spawn laboratory	2019-20		Oyster	32.5 kg		12138.00	4875.00	

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	30.05.2018	15.11.2019	1ha	Ranjit Sub-1, Shraboni, Numoli	Foundation	33.22q	42,000.00	126236.00	
Oilseeds									
Mustard	01.10.2019	30.01.2020	1ha	TS-67	Certified	6.5q	18,000.00	Ready to sold	
Any other Sesamum	01.07.2019	01.09.2019	0.13ha	Koliabor Local	TLS	0.4q		7200.00	

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	5.5q	1000.00	5500.00	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Piggery	Hamshire, T&D cross breed	Piglets	30nos.	40,000.00	90,000.00	
2	Goatery	Beetal Crossbreed	Kids	1nos. 5nos.	4000.00	8000.00 25,000.00	
3	Poultry	BV-300	Birds	17 nos.		Newly introduce	

		Kamrupa Inbro brown layer		53nos. 20nos.			
4	Poultry	BV-300, Vanaraja, Kamrupa Quail	Eggs	450.00 1749.00		2700.00 5247.00	
5	Poultry	Turkey	Eggs	83nos.		2490.00	
6	Duckery	K. Champbell	Eggs	336nos.		2016.00	
7	Duckery	Peckin Duck	Meat	24nos.		7200.00	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	State Bank of India	AAU, Jorhat	
With KVK	SBI, ADB	Gargaon	11671477783
Revolving Fund	SBI, ADB	Gargaon	30709339138

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

7.3 Utilization of KVK funds during the year 2019-20

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Rs.)
A. Recurring Contingencies				
1	Pay & Allowances	115.00		14794979.00
2	Traveling allowances	2.50		170757.00
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	15.50		1497404.00
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			

<i>H</i>	Maintenance of buildings			
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2017 to March 2018	205161.00	148318.23	163857.50	189621.73
April 2018 to March 2019	189621.73	293356.25	237887.00	245090.98
April 2019 to March 2020	245090.98	389549.00	209750.00	424889.98

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

During the lockdown period, farmers adopted some practices to carry out various agricultural operations, which were found very profitable than the usual time. Some such practices are:

- 1) Due to closure of regular markets, some farmers directly contacted nearby consumer as well as army camps to sell their farm produce. Selling farm produce directly to the buyers without any middleman, farmers got benefit than the usual time.
- 2) Door to door selling vegetables by the producer is giving better benefit to the farmers.
- 3) Due to unavailability of imported vegetables from other district, local farmers are getting more benefit. Most of the farmers of Sivasagar district are getting benefit than the previous years during this lockdown period.
- 4) Social media has played an important role during this period. Farmers are using Facebook and Whatsapp to advertise their farm produce and in return they are getting customer directly.
- 5) Few farmers have prepared tomato sauce and pickle from excess tomato for future use.
- 6) As the fresh mushroom market is closed due to lockdown, farmers are drying fresh mushroom for future marketing.
- 7) Some farmers are installing temporary vegetable shops at roadside of national highway, which also giving direct benefit to the farmers.
- 8) Milk producers of Sivasagar district are producing Paneer from unsold milk.



8.1 Constraints

(a) **Administrative:**

- i) Shortage of labour force for maintaining demonstration unit/ instructional farm
- ii) Shortage of Fishery SMS for dissemination of fishery related technologies and also for running the carp fishery demonstration unit of

KVK Farm

(b) **Financial:**

- i) TA for trainees for on campus training would encourage the farmers to attend the same.
- ii) Insufficient budget for meal & training material under training head

(c) **Technical:**

- (i) Heavy load shedding
- ii) Lack of high-speed internet connectivity.
- iii) Shortage of technical person for soil sample analysis

(d) **Physical:**

- i) Lack of well set up residential campus including staff Quarters with other facilities
- ii) Lack of well-equipped farmers' hostel for conducting on campus/vocational training programmes.
- iii) Replacement of old office vehicle required
- iv) Replacement of Drip irrigation, sprinkler irrigation facility to be created.
- v) Need Soil laboratory

(Signature)
Sr. Scientist cum Head
KVK, Sivasagar