ANNUAL REPORT OF KVK DHEMAJI, 2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK, Dhemaji Jonaki Nagar, Silapathar	-	-	pcdhemaji@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University Jorhat, Assam PIN-785 013	0376-2340001, 2340013	0376-2340001	vc@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Gunjan Gogoi	-	9854016743/ 9435092550	gungogoi@yahoo.com

1.4. Year of sanction: 2005

1.5. Staff Position (As on 31st March, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category
1	Sr. Scientist & Head	Vacant							
2	SMS	Dr. Gunjan Gogoi	SMS	Plant Protection	68900-205500	87300.00	07.11.08	P	OBC
3	SMS	Dr. Ashim Kumar Saikia	SMS	Animal Science	68900-205500	71000.00	16.03.09	P	OBC
4	SMS	Mrs. Bibha Ozah	SMS	Soil Science	57700-182400	68800.00	04.08.11	P	GEN
5	SMS	Mrs. Binita Konwar	SMS	Horticulture	56100-	61300.00	29.01.14	P	OBC
6	SMS	Mr. Monuranjan Gogoi	SMS	Home Science	56100-	61300.00	13.02.14	P	OBC
7	SMS	Ms, Labhya Rani Gogoi	SMS	PBG	56100-	56100.00			OBC

8	Programme Assistant	Mr Bhupen Kr. Daflari	Prog. Assistant (Fishery)	Fishery	8000-35000/ + GP 4900	38700.00	15.10.14	P	ST
9	Programme Assistant (Computer)	Dipak Goswami	Prog. Assistant (Computer)	MCA	8000-35000/ + GP 4900	52020.00	01.12.2008	P	GEN
10	Farm Manager	Dr. Binoy Roy	Farm Manager	Agricultural Biotechnology	22000-87000/ + GP 11500	50750.00	06.01.09	P	GEN
11	OSA	Mr. Pradip Deori	OSA	M. Com	22000-87000/ + GP 11500	41240.00	27.02.12	P	ST
12	Stenographer cum computer operator	Mr. Madhujya Protim Boruah	Jr. Steno cum Computer Operator	MA	25500.00-	25500.00	02-02-2019	P	GEN
13	Driver	Mr. Durgadhar Deori	Driver cum Mechanic	HS	5200/-20200/ + GP 2500	26020.00	21.02.12	P	ST
14	Driver	Mr. Raju Konch	Driver cum Mechanic	Class- X	5200/-20200/ + GP 2500	26020.00	21.02.12	P	OBC
15	Supporting staff	Mr. Dharmeswar Doley	Grade IV	BA	18000 -	18000.00	12.07.2018	P	ST
16	Supporting staff	Mr. Pulin Borah	Grade IV	HSLC	18000 -	18000.00	10.07.2018	P	MOBC
	Total	**15**							

Note: P: Permanent

1.6. a. Total land with KVK (in ha) : 18.66 ha
b. Total cultivable land with KVK (in ha): Nil
c. Total cultivated land (in ha): Nil

Note:

- As the previously allotted land to KVK Dhemaji is under judiciary matter of Hon'ble High Court, Guahati due to interstate boarder dispute.
- The district administration Dhemaji newly handed over 18.66 ha land at Simenchapori for establishment of Krishi Vigyan Kendra.

1.7. Infrastructural Development:

A) Buildings: **NA**

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Max	**AS 03 H 3880**	**2010**	**5,05,176.00 (including VAT)**	**1,48,681 km**	**Average**

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer and accessories	2008	54,626.00	Good
Desktop Computer HP DX 2280- 1 No.			
Monitor CRT 17" HP - 1 no.			
Laser Printer HP LJ 1505N			
Scanner HP SG 2410			
Chair Model No. CH-7B – 4 nos.	2008	44,053.00	Good
Chair Model PCH 700 ID- 1 No.			
Reck – 1 NO.			
Storewel Model-2 1 No.			
Table Model T9--- 1 No.			
UPS Uniline 1 KVA 800 VAH	2008	10,620.00	Good
PlasticTable (2 nos.)- Model Neelkamal	2009	4000.00	Good
Plastic chair Neelkamal without arm- Model 4002--- 10 nos	2009		
Plastic chair Neelkamal with arm--- 10 nos	2009	2700.00	Good
Uniline 800 VA FB LI UPS (2 nos.)	2010	11,929.00	Good
Desktop computer Make and Model HP-DX-2000 series (2 nos.)		55,094.00	Good
LCD Monitor 15" HP (2 nos.)	2010	-	Good
Laser printer HP LJ P 1007 – 1 no.	2010	5,475.00	Good
Scanner HP G2410-1 no.	2010	2724.00	Good
Digital Camera- Sony (DSC-WX1)	2010	19,000.00	Good
Fax Machine Make Brother Model-2820	2010	15,190.00	Not installed
LCD Projector Make Sony	2010	98,331.00	Good

Photo copier along with 2 KVA Voltage Stabilizer	2010	1,01,920.00	Good
Full secretariat table- 6 nos.	2010		Good
Desktop Computer HP 550-011- 2 Nos.	2016	1,35,390.00	Good
Laser Printer HP	2016	47,058.00	Good
UPS 1Kv (Elnova)- 02 Nos	2016	11,800.00	Good
Laptop HP	2016	55752.00	(Stock transferred to DoEE, AAU)
Table WT -716- 1 No	2016	40,308.00	Good
Table T-9- 2 Nos.	2016	35388.00	Good
Chair- Bravo – 1 No.	2016	8126.00	Good
4 Drawer Filling cabinet- 1 No.	2016	18723.00	Good
Chair CH7B -7 Nos.	2016	23464.00	Good
Computer Table C9 – 2 Nos	2016	12371.00	Good
Computer Chair Model- 41301- 2 Nos.	**2016**	**8773.00**	Good

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

The date of SAC meeting hold: **14th March, 2019**

Venue: Conference Hall, DC Office, Dhemaji

The Proceeding of the 7th SAC Meeting of KVK Dhemaji

The 7th Scientific Advisory Committee (SAC) meeting of Krishi Vigyan Kendra, Dhemaji was held on 14th March, 2019 at Conference Hall, Office of the BDO, Dhemaji under the Chairmanship of Dr. A.K. Bhattacharyya, Director of Research, AAU, Jorhat.

Following dignitaries and members were present in the meeting

1.	Mr. Manavendra Pratap Singh, IAS	Deputy Commissioner, Dhemaji
2	Dr. Ashok Bhattacharyya	Director of Research, AAU, Jorhat
3	Dr. M. Neog	Associate Director of Extension (T), AAU, Jorhat
4.	Dr. Prabal Saikia	Chief Scientist, RARS, North Lakhimpur
5.	Dr. U. Tamuli	Assoc. Dean, LCVSc. AAU, North Lakhimpur
6.	Dr. S. Kharghoria	Asstt. Professor, LCVSc. AAU, North Lakhimpur
7.	Dr. Kuladhar Saikia	District Veterinary Officer, Dhemaji
8.	Mr. Bhabesh Gogoi	District Agricultural Officer, Dhemaji
9.	Mr. Ganesh Lahan	Project Director, ATMA, Dhemaji
10.	Mr. J. Dihingia	Range Officer, Soil Conservation Division, Jonai
11.	Mr. Guna Bora	Extension Officer, Sericulture, Dhemaji
12.	Mr. J. N. Kakati	Director UBI-RSETI, Dhemaji
13.	Mr. Hema K. Paw	A.E.E (Irrigation) Dhemaji
14.	Mr. Samarendra Das	District Development Manager, NABARD
15.	Mr. Pradeep Kr. Khaklari	LDM, Dhemaji and Lakhimpur
16.	Dr. Gunjan Gogoi	Sr. Scientist & Head (i/c), KVK, Dhemaji

17.	Mrs. Nivedita Doley	DPM (i/c), NRLM, Dhemaji
18.	Ms. Lily Doley	Incharge, SIRD, Dhemaji
19.	Sri Dhaneswar Basumatary	Progressive farmer, Member, SAC KVK Dhemaji
20.	Sri Monuj Sonowal	Progressive farmer Member, SAC KVK Dhemaji
21.	Ms. Gupa Biswakarma	Progressive farm Women Member, SAC
22.	Mrs. Himadri Tayung	Progressive farm Women Member, SAC
23.	Sri Bhaben Haloi	Progressive farmer
24.	Sri Devajit Changmai	Progressive farmer
25	Mr. Sidananda Pegu	CEO, Subansiri FPO
26.	Mr. Hemanta Baruah	Progressive farmer
27.	Mr. Rajen Dutta	Progressive farmer
28.	Mr. Dimbeswar Hazarika	Progressive farmer
29.	Mr. Molan Bhuyan	Progressive farmer
30.	Dr. Ashim Kr. Saikia	SMS, KVK, Dhemaji
31.	Mr. Monuranjan Gogoi	SMS, KVK, Dhemaji
32.	Ms. Labhya Rani Gogoi	SMS, KVK, Dhemaji
33.	Mr. Madhujya Protim Boruah	Steno cum Comp. operator, KVK, Dhemaji
34.	Mr. Satish Kardong	Technology Agent, CFLD, KVK Dhemaji
35.	Mr. Raju Konch	Driver cum Mechanic KVK, Dhemaji
36.	Mr. Durgadhar Deori	Driver cum Mechanic KVK, Dhemaji
37.	Mr. Dharmeswar Doley	Grade IV, KVK Dhemaji

The meeting started with the AAU theme song followed by self introduction of the members present in the house and felicitation was conducted.

Dr. M. Neog, Associate Director of Extension (T), AAU, Jorhat welcomed all the dignitaries, members and guests of the 7th SAC meeting for their gracious presence. In his address, he appraised the house about the role of KVK in a district on growth of agriculture and allied sector towards nationwide call for doubling farmers income by 2022. He emphasized on farm mechanization through trial and demonstration in farmers field considering the scarcity of agricultural labour in present day context. He also stressed on the efficient use of resources in agricultural production including human and natural resources.

In his opening remarks, the Chairman, Dr. A.K. Bhattacharyya appraised the house about the mandated activities, aim and objectives of KVK and importance of SAC meeting. According to the agenda, the Head KVK Dhemaji presented the Action Taken Report of the previous SAC meeting, Progress Report 2018-19 and Action Plan 2019-20 before the House.

The House discussed thoroughly on the presentation of Head, KVK, Dhemaji and following observation/recommendations has been suggested by the Chairman, Hon'ble Deputy Commissioner and the House:

1. The Action taken report has to be presented in slides so that activities carried out may be viewed by all the members present and a hard copy should be distributed.
2. The OFTs should be presented with the maximum scientific data including weather parameters in support of result obtained and with relevant photographs. Details of the technology such as source, year of release should be mentioned and feedback should be given to the developer of the technology where necessary.
3. Regarding OFT on strawberry berry (variety *Sweet Charlie)* the decision will be taken up during Technical Committee Meeting at AAU, Jorhat.

4. The proposed OFT on "Sali paddy variety 'Numali', "Inclusion of bodo design/motif in bed spread and window curtain" and "Efficacy of smart stove" have to be discussed in DTCM of the respective disciplines.
5. OFT on "Nutrient Management in Sali rice under low input condition" should be taken up after discussion with developer regarding objective of the technology.
6. FLD on "Pumpkin variety Arjuna F1" should be conducted in sand and silt deposited area.
7. Regarding FLD on "Tuberose", the variety should be selected with less number of spikelet to fetch the market demand

The House unanimously approved the following OFT for assessment of:

- Delayed sowing Blackgram variety Beki and Kolong
- Performance of *Tripura Chikan Dhan*
- Nutrient management of Toria
- Azola production
- Sweet Potato var. *Dergaon* Red with *Sree Vijaya* & *Kamala Sundari* under Dhemaji condition
- Utilization of the inner space between the food plants in sericulture garden
- Totato variety, Arka Abhed ad French variety, Arka Sukamal for disease resistance
- Performances of Boiler duck- *White Pekin*
- Performances of poultry breed *Kadaknath (Kalamasi)* under backyard system
- Newly developed improved type pig breed- *HDK-75* for meat and piglet production
- Poly culture of Chital (*Notopterus chitala*) in combination with Common carp and Moa
- Kuchia culture
- Performance of Amur common carp in composite fish culture

The House also approved FLD on**:**

- HYV Sali paddy variety *Bahadur sub-1* and *Ranjit sub-1* under low land condition
- Green gram variety *SGC-16/ SCG-20/ Sonai*
- Jute variety '*Tarun*'
- Rice – toria double cropping sequence
- IPM module for managing insect pest of Sali paddy
- Year round cultivation of Oyster Mushroom
- Scientific rearing of Honey bee
- Low cost vermicompost production technology
- Integrated Nutrient Management in Chilli
- Nutrient Management in Blackgram
- French bean var. *Arka Anoop*
- Dual purpose poultry Breed – *Kamrupa/Vanraja*
- Quail *var. Japanese Quail*
- Area specific mineral mixture 'AAUVETMIN' in dairy cows
- Cultivation of perennial grasses- Setaria (var.-*PSS-1*)/ Hybrid Napier (var.- *CO-5*)
- Year-round availability of quality fish seed (advance fingerling, fingerling and yearling)
- Integrated Fish cum Poultry farming
- Nutritional security through model kitchen garden
- Application of natural dye on cotton and eri yarn
- Low cost maize sheller for drudgery reduction

The House discussed on the availability of the piglet of descriptive breed and decided to promote private growers to produce quality piglets to the increasing demand of the district.

The house also discussed the issues on establishment of permanent campus of KVK Dhemaji. The Head (i/c) KVK Dhemaji informed the house that the District Administration has already handed over advance possession certificate for 140 *bighas* (18.67 ha) area of Dag No. 9 of Simen Chapori N.C. Village for establishment of KVK Dhemaji. The decision has been taken to approach hon'ble MLA of Jonai and Dhemaji for construction of boundary wall of allotted plot in the interest of farming community of the district.

The Chief Guest of the meeting Deputy Commissioner of Dhemaji Sjt. Manavendra Pratap Singh stressed on more area coverage on successful technology tested. He asked all the stakeholders to meet in a regular manner for planning and executing different programmes for development of agriculture and allied sector. He also suggested to conduct exposure visit of farmers and farm women specially women under ASRLM to the successful demonstration site. He emphasized on wide publication on training schedule so that interested farmers may be covered in different training programme.

The Chairman of the meeting, Dr. A.K. Bhattacharyya, Director of Research, AAU, Jorhat expressed satisfaction on participation of the members in the meeting and the activities carried out by KVK Dhemaji. The Chairman also expects the continuation of same spirit, convergence with all departments to serve the farming community of the district.

The meeting ended with the vote of thanks delivered by Dr. G. Gogoi, Head (i/c) KVK Dhemaji.

Action taken on last SAC (2018-19) recommendation

Sl. No.	Recommendation	Action taken
1.	Training programme should be of minimum 5 days duration in view of skill training.	21 no. of training programme (5 - 6 days) taken up for the year 2017-18 under different disciplines.
2.	Low cost Vermicompost production technology demonstration in proposed organic agriculture area and technology for making enriched compost should be demonstrated	5 trainings and 16 no. of demonstration on low cost vermicompost production including enriched compost preparation is taken up.
3.	Demonstration of Sugarcane cultivation variety of HYV (*Borak, Dhansiri, Doria*) should be taken in cluster approach	Action taken : FLD taken up in cluster approach at *Simen Chapori & Dimow* area with two varieties *Borak and Dhansiri*
4.	FLD on Rice -Toria sequence should be taken up with the varieties TTB -404 and TS-38	FLD on Rice – Toria (var. TTB – 404 & TS-38) cropping sequence was taken up 1.0 ha area DOP (Paddy) : 18.07.2017 DOH: 19.11.2017 Duration : 138 days DOS (Toria): 8.12.2017 DOH : 25.02.2018

5.	OFT on high value fruit crop Strawberry with two varieties should be taken up	OFT conducted on varieties viz: *Sweet Charlie* & *Early dawn* was taken up
6.	The variety for watermelon demonstration should be HYVs instead of F1 hybrid so that farmer can keep the seed for next year.	The variety taken up for FLD is HYV *variety* Sugar baby
7.	Bahadur sub-1 should be taken for FLD instead of Bahadur variety.	Demonstration was conducted with the Bahadur Sub 1 variety in 2.0 ha area.
8.	New pig breed developed by NRC, Pig (Namely *Rani and Asha)* should be tested in the district.	OFT on Improved pig breed Rani taken up.
9.	FLD on year round production of Mushroom should be taken	1 no. of training conducted & a FLD started in the month of August
10.	FLD on nutrition garden should be carried out in schools along with a low cost vermicomposting technology	FLD taken up in one school namely " *Borpathar Nabajyoti M.E. School*" along with a unit of low cost vermicompost production unit.
11.	Training on "ICT application on Agriculture" is to be conducted along with marketing techniques of agricultural produce including forward marketing	A one day training programme on "ICT application on Agriculture" was conducted on 05.02.2018 at Silapathar
12.	One training programme on "Efficient use of farm machines" in collaboration with Agriculture Engineering Department is to be organized.	One workshop done under PCRA at Gelua on 14.12.2017 in collaboration with Agriculture Engineering Department.
13.	The Farmers Producers Organization (FPO) and Farmers club are to be organized with support of NABARD	Area of support : 1. Management of FPO, 2.Technological backstopping & demonstration on Oilseed production (Toria), 3. Guidance on organic Bao paddy production
14.	Demonstration on use of polyhouse should be taken for cultivation of high value crops with multistoried cultivation concept under Horticulture discipline	FLD on off season vegetable cultivation is in progress
15.	FLD should be taken up in Off season marigold cultivation and cut flower production technology.	Off season Marigold production and Tuberose production is taken under FLD , Site selection and beneficiary selection completed and planting will be done on 25.02.18
16.	The OFT on jute should be modified with varieties from *Olitorius* species (var. *Tarun*) should be taken up	OFT is taken up with variety Tarun in 0.39 ha area.

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1	Agri (Rice – Rice; Rice- Oilseed; Rice – Pulse)
2	Agri – Horti (Rice – Vegetables; Potato – Sesamum/ summer vegetable; Blackgram – Vegetable)
3	Agri – Horti – Animal husbandry
4	Agri – Horti – Animal husbandry – Fishery
5	Agri – Horti – Animal husbandry
6	Agri – Horti – Fishery
7	Animal husbandry – Fishery
8	Sericulture

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

Agro-climatic Zone:

North Bank Plains Zone: The soil is developed on alluvium derived from the adjacent Himalayan range by the river Brahmaputra and its tributaries. The soils are mostly sandy loam having medium to low Nitrogen, low in Phosphorus and medium to low in Potassium content. The pH of the soil varies from 4.8 to 6.3. The topography of the soils is mostly medium land in the plain areas being chronically flood affected. Low land areas towards riverine tract are submerged or flooded due to high rainfall during rainy season. The foot hill region is characterized by undulating topography.

Agro-ecological situations:

1. **Medium land**: Generally flood free but occasionally submerged due to high rainfall. Soils are mostly acidic, clay loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.

2. **Low and Flood affected**: Flood plain submerged almost whole rainy season. Soils are mostly acidic, sandy loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.

3. **Silt deposited area**: Flood plain having silt deposition, occasionally submerged. Soils are mostly acidic, silty loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.

4. **Sand deposited area**: Flood plain having sand deposition, occasionally submerged. Soils are mostly acidic, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content. Mild iron toxicity persist.

5. **Foothill:** Undulating topography. Soils are acidic in nature, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	**Clay**	Heavy soil with high organic matter, high C: N ratio, high nitrogen content with medium in phosphorus and potassium content. High water and nutrient holding capacities.	27,346
2.	**Clay loam**	Light heavy soils with medium to high organic matter, high C: N ratio, medium to high nitrogen content with medium in phosphorus and potassium content. High water and nutrient holding capacities.	60,997
3.	**Alluvial**	Medium soils with medium in organic matter, low C: N ratio, medium in nitrogen, phosphorus and potassium content.	13,313
4.	**Sandy loam**	Light soil with low in organic matter, low in nitrogen, phosphorus and potassium content.	1, 37,552
5.	**Sandy**	Light soil with low in organic matter, low in nitrogen, phosphorus and potassium content.	62,106

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

Sl. No	Crop	Area (ha)	Production (qtls)	Productivity (qtl /ha)
1.	Rice- a) Autumn	11120	201939.2	18.16
	b) Winter Rice	66240	1944144	29.35
	c) Summer Rice	3278	116696.8	35.6
	Total	80638	2262780	
2.	Maize	543	19222.2	35.4
3.	Sugarcane	210	94521	450.1
4.	Mustard	17283	185792.25	10.75
5.	Blackgram	1096	9359.84	8.54
6.	Pea	628	5601.76	8.92
7.	Potato	6042	967022.1	160.05
8.	Vegetables- a) Rabi	3039	624514.5	205.5
	b) Kharif	1825	229585	125.8
9.	Ginger	182	22859.2	125.6
10.	Turmeric	312	47034	150.75
11.	Garlic	103	4696.8	45.6

Note: Data as per Department of Agriculture, Dhemaji

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C			Relative Humidity (%)
		Maximum	Minimum	Average	
April'18	272	18	26	21	96.4
May'18	351	20	27	23	96.8
June'18	635	23	28	25	98.5
July'18	669	24	28	26	99.3
August'18	543	23	29	26	84.3
September'18	484	22	27	24	80.3
October'18	16.6	20	30	26	92.3
November'18	0.7	16	27	22	76.8
December'18	33.1	14	24	20	89.7
January'19	0.4	13	25	20	88.3
February'19	14.6	15	25	21	87.6
March'19	24.6	18.0	28	24	91.1

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

Category	Population (in '000)	Production	Productivity
Cattle			
Indigenous	466323	87129 litres milk	-
Buffalo	14821	63469 litres milk	-
Goats	117568	119320 (live wt in kg)	-
Pigs	114013	871296 (live wt in kg)	-
Poultry			
Hens	534103	295296 (eggs in '000 numbers)	-

Note: Data as per Department of Veterinary, Dhemaji

Category	Area	Production	Productivity
Fish		5510 ton. (Year 2014-15)	

Fertilizers use in Dhemaji, 2016-17 (in Tonne)

Kharif				Rabi				Gross croped area (Hac.)	Per Hect. consumption (Kg)
N	P	K	Total	N	P	K	Total		
1649.12	307.35	392.00	2348.47	2111.78	614.19	584.20	3310.17	122	46.38

Source: Statistical Handbook of Assam, 2017-18

Details of Operational area / Villages (2018-19)

Sl. No.	Name of the block	Name of the village	Major crops & enterprises	Major problem Identified	Identified thrust area
1	Jonai MSTD	Taduniya	Piggery, Rice, Poultry	1. Low yield of local rice variety 2. Non adoption of HYV rice and scientific cultivation practices 3. Lack of irrigation system 3. Poor growth of pig due to non adoption of scientific rearing 4 Incidence of diseases of poultry and pig	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Livestock and poultry management
2		Sengajan	Sali paddy, Rabi crops, Poultry and Piggery	1. Non availability of improved crop varieties 2. Lack of irrigation system 3. Poor growth of pig due to non adoption of scientific rearing 4. Incidence of diseases of poultry and pig	1. ICM and IPM 2. Livestock and poultry management 3. Winter crop cultivation
3		Dekapam	Sali paddy, Sericulture, Poultry, Piggery, Summer vegetables	1. Low yield of local cultivars, 2. Non- availability quality seeds of HYVs less aware on scientific crop management 3. Low litter size, high mortality, disease problem, non- availability quality breed in pigs 4. Low egg and meat productivity, high mortality and non-scientific management	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Livestock and poultry management 4. Breed introduction, poultry management
4		Sonapur	Sali paddy Winter vegetables Goatery Piggery	1. Lack of knowledge on Scientific crop production practices 2. Lack of knowledge scientific rearing, breed up gradation of livestock 3. Less aware on high value vegetables	1. Soil and crop health management 2. Goat management 3. Piggery management 4. high value crop production

5		Seren Sonowal	Sali paddy Winter vegetables Goatery Piggery	1. Lack of knowledge on Scientific crop production practices 2. Lack of knowledge scientific rearing, breed up gradation of livestock 3. Less aware on high value vegetables	1. Soil and crop health management 2. Goat management 3. Piggery management 4. High value crop production
6		Nowkata	Winter vegetables, Pea Potato, Garlic, Back yard poultry, Piggery	1. Lack of knowledge on fertilizer application, plant protection, crop management 2. Non adoption of HYV, low productivity of local cultivars 3. lack of storage facilities 4. Flashflood condition 5. Low egg and meat productivity in poultry due to unscientific management 6. Low production, low litter size, high mortality in pigs	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Facilities for storage
7		Harinathpur	Sali paddy, Blackgram Winter vegetables Back yard poultry Piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 3. Improper marketing channel 4. Poor financial condition of farmers	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Arrangement of marketing and financial institution
8		Dimow Dem	Sali paddy, Goatery, Piggery, Winter vegetables	1. Low yield of local cultivars 2. Lack of knowledge on fertilizer application, plant protection, crop management 3. Low egg and meat productivity in poultry due to unscientific management	1. Goatery and piggery management 2. Group mobilization 3. Entrepreneurship development

		Sagolikata, Dimow	Sali paddy Winter vegetables Goatery Piggery	1. Lack of knowledge on Scientific crop production practices 2. Lack of knowledge scientific rearing, breed up gradation of livestock 3. Less aware on high value vegetables	1. Soil and crop health management 2. Goat management 3. Piggery management 4. High value crop production
9		Kanchinath Chapori, Sienmukh	Sali paddy, Summer vegetables Winter vegetables, sugarcane Piggery	1.Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2.Lack of knowledge scientific rearing, breed up gradation of livestock	ICM and IPM 2. Group mobilization 3. Entrepreneurship development 4. Scientific piggery management
10		Birbari, Simen Chapori	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Goatery, Cattle	1. Low yield of local rice variety 2. Non adoption of HYV rice and scientific cultivation practices 3. Lack of irrigation system 4. Poor growth of pig due to non adoption of scientific rearing 5. Incidence of diseases of poultry and pig 6. Improper management of Livestock 7. Poor financial condition of farmers	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Livestock and poultry management 4. Entrepreneurship development
11		Saraibari	Summer vegetables Winter vegetables, Back yard poultry Piggery	1. Low egg and meat productivity in poultry due to unscientific management 2. Low production, low litter size, high mortality in pigs 3. Improper management of Livestock	1 Breed introduction, poultry management 2. Piggery management
		Magurmari	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management

12		Dimow pale	Sali paddy, Back yard poultry, Piggery, Bee rearing	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs	1. Bee rearing 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management
13		Hazong gaon	Sali paddy, Summer vegetables, Piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2.Incidence of diseases of poultry and pig	1. Cultivation of summer vegetables 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management
14		Shantipur, Dimow	Sali paddy, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of fisheries	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Piggery based IFS system
15		Ananda nagar	Sali paddy, Winter vegetables, piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3.Piggery management

16	**Sisiborgaon**	Muktiyar Lakhimi	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
17		Ajarbari,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
18		Archi- Majorbari,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management

19		Bagari- Kaliyani,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
20		Sitalmari,	Sali paddy Back yard poultry Piggery Duckery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Piggery management 4. Integrated poultry management
21		Akaa Bijoypur,	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
22		Rekha chapori,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management

23		Arne chapori	Sali paddy Summer vegetables Back yard poultry Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated poultry management
24		Bishnupur- Lalung,	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management
25		Amguribari- Bogibeel	Sali paddy Back yard poultry Piggery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
26		Simaluguri-Jengrai	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Maize, Colocasia etc.	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management

27		Archi-Lasong,	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
28		Ayengia Patiri,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back ard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
29		Tinigharia	Sali paddy, pulses, toria Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1.. Introduction of HYVs 2. Breed introduction, poultry management 3. Piggery management

30		Jatiay Chapori,	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
31		Alupara- Olampaam,	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
32		Akajan-Mising,	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
33		Maduripathar,	Maize, Sali paddy Dairy, Back yard poultry Goatery Potato, Colocasia	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Lack of knowledge on scientific livestock management	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management

34		Mithunpathar,	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
35		Ujani Nilokh	Sali paddy, Winter vegetables, Ginger & turmeric, Piggery and poultry	1. Low yield of local cultivars 2. Lack of knowledge on scientific crop management 3. Low litter size, high mortality, disease problem, non- availability quality breed 4. Low productivity of local poultry breed	1. Crop variety introduction 2. Crop production and management, 3. Introduction of improved poultry breed 4. Piggery management
36		Pipalguri	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
37		Sumoni	Sali paddy, pulses Summer vegetables Back yard poultry Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice & blackgram variety 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management

38		Kaitong- Tongani	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management
39		Bhagaban chariali	Sali paddy, pulses, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
40		Kamte Jengrai	Sali paddy Summer vegetables Winter vegetables, Backyard poultry Piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management

41		Kerkoni Majgaon	Sali paddy, toria, Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management
42		Udaypur Deuri	Sali paddy, Pulses Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
43		Ramyapur	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
44		Nilakh Taranipathar	Sali paddy, pulses, toria Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management 6. Mushroom production

45		Mathadang	Sali paddy Summer vegetables Winter vegetables, Backyard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management
46		Solokhani	Sali paddy Summer & winter vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
47		Kolowlua	Sali paddy Summer & winter vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
48		Jalakiasuti	Sali paddy, Assam Lemon, Betelvine, Winter vegetables, Back yard poultry, Duckery Piggery Fishery Goatery	1. Lack of irrigation facilities 2. Improper management of Livestock 3. Draught like and flashflood situation 4. Less aware on breed up gradation 5. Unscientific management of fisheries 6. Less capacity of farm womwn	1. Contingency crop planning 2. Breed introduction, poultry and duck 3. Piggery management 4. Carp seed rearing , Fish pond management management of IFS 5. Women empowerment

49		Joriguri	Sali paddy, Vegetables, Back yard poultry Potato, Colocasia Betelvine, & Arecanut	1. Lack of knowledge on fertilizer application and plant protection 2. Low egg and meat productivity 3. Pest and disease infestation	1. Integrated Crop, crop & soil health management 2. IPM 3. Breed introduction and poultry management
50		Dighali Chapori	Sali paddy, Bao paddy Piggery Fishery	1. Monocropping 2. Low yield of available rice varieties 3. Lack of scientific knowledge about natural fish farming	1. Group mobilization 2. Wasteland utilization through boro rice cultivation and community fish farming
51		Lakhipur	Sali paddy, Assam Lemon, Betelvine, Winter vegetables, Back yard poultry, Duckery, Piggery Goatery	1. Lack of irrigation facilities 2. Improper management of Livestock 3. Draught like and flashflood situation 4. Less aware on breed up gradation 5. Unscientific management of fisheries 6. Less capacity of farm womwn	1. Contingency crop planning 2. Breed introduction, poultry and duck 3. Piggery management 4. Carp seed rearing , Fish pond management management of IFS 5. Women empowerment
52		Silabaligaon	Sali paddy, Assam Lemon, Betelvine, Winter vegetables, Back yard poultry, Duckery, Piggery Goatery	1. Lack of irrigation facilities 2. Improper management of Livestock 3. Draught like and flashflood situation 4. Less aware on breed up gradation 5. Less capacity of farm womwn	1. Contingency crop planning 2. Breed introduction, poultry and duck 3. Piggery management 4. Women empowerment
53		Silapathar	Sali paddy Summer vegetables Back yard poultry Piggery, Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management

54		Chowkhamtin	Sali paddy Plantation crop, Betelvine, betelnut, Winter vegetables, poultry and duckery	1. Lack of knowledge on scientific crop management 2. Less aware on scientific garden management 3. less aware on compost production 4. Pest and disease infestation in vegetable crop 5. Low egg and meat productivity	1. ICM and IPM 2. *In situ* quality compost production 3. Integrated livestock management 4. Integrated poultry management
55	Machkhowa	Sissimukh Deori gaon,	Sali paddy, Oilseeds Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
56		Phatiabam	Sali paddy, bao paddy, Blackgram, Toria, Backyard poultry and duckery	1. Lack of knowledge on scientific crop management 2. Low productivity of local poultry breed	1. Crop variety introduction 2. ICM and IPM 3. Poultry management 4. Women empowerment
57		Bengenagora	Sali paddy, bao paddy, Blackgram, Toria, Piggery, Sericulture	1. Use of low yield of local cultivars 2. Lack of knowledge on scientific crop management 3. Low litter size, high mortality, disease problem, non- availability quality breed 4. Non availability of quality seed of Muga, poor spinning method, lack of knowledge host plant management 5. Less aware on income generating activities	1. Crop variety introduction 2. Crop production and management, 3. Introduction of quality muga and eri seed 4. Piggery management 5. Women empowerment
58		Naruathan	Paddy (Sali and Bao), Toria, Piggery and poultry	1. Lack of knowledge on scientific crop management 2. Non availability of quality seed 3. Low productivity of local poultry breed	1. Crop variety introduction 2. Crop production and management, 3. Poultry management 4. Piggery management

59		Machkhowa	Paddy (Sali and Bao), Toria, Piggery and poultry	1. Lack of knowledge on scientific crop management 2. Non availability of quality seed 3. Low productivity of local poultry breed	1. Crop variety introduction 2. Crop production and management, 3. Poultry management 4. Piggery management
60	Dhemaji	Lakhtokia,	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
61		Kamargaon	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
62		Dulugkan Chapori	Sali paddy, winter vegetables, field pea, potato, piggery, sericulture	1. Lack of knowledge about scientific cultivation of crops 2. Non availability of quality seeds and planting material 3.Low egg and meat productivity 4. Low production, low litter size, high mortality, disease problem in pigs 5. Low production and non availability of quality seed 6. Lack of scientific rearing of muga and eri	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management 5. Introduction of quality muga and eri seed

63		Jamukoni- Matikhola	Sali paddy Summer & winter vegetables Back yard poultry Piggery Goatery Sericulture, Fishery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM in crop and vegetable 3 Integrated livestock management 4. Integrated poultry management 5. Fishery management
64		Bhajugaon	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
65		1 No Tekjuri	Sali paddy, pulses Summer & winter vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop & vegetable production 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Scientific vegetable production 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
66		Kechukhana	Sali paddy, winter vegetables, piggery, backyard poultry, blackgram, potato, cattle	1. Lack of knowledge about scientific cultivation of crops 2. Non availability of quality seeds and planting material	1. ICM and IPM for higher crop production 2. Breed introduction of poultry 3. Integrated livestock management
67		Ghuguha chapori,	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management

68		Laomuri	Sali paddy, winter vegetables, piggery, backyard poultry, blackgram, potato, cattle	1. Lack of knowledge about scientific cultivation of crops 2. Non availability of quality seeds and planting material	1. ICM and IPM for higher crop production 2. Breed introduction of poultry 3. Integrated livestock management
69		Ratuwa	Sali paddy, winter vegetables, piggery, backyard poultry, blackgram, potato, cattle, Sesamum,	1. Lack of knowledge about scientific cultivation of high value vegetables 2. Non availability of quality seeds and planting material 3. Livestock management 4. Low egg and meat productivity 5. Low production, low litter size, high mortality, disease problem in pigs	1. ICM and IPM for higher crop production 2. Breed introduction of poultry 3. Integrated livestock management 4. Livestock management 5. composite fish farming 6. IFS
70		Aradhal	Sali paddy, Dairy, Back yard poultry, Cattle rearing	1. Less aware of knowledge on scientific crop management 2. Less aware on fodder cultivation 3. Low egg and meat productivity of local breed	1. Crop & soil health management 2. Breed introduction of poultry 3. Feed & fodder management
71	Bardalani	Okhamati	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Scientific piggery 2. ICM and IPM 3 Integrated poultry management
72		Kachutoli	Sali paddy, pulses, toria Backyard poultry Piggery, Goatery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management

73		Adut gaon	Sali paddy, pulses, Summer vegetables Winter vegetables, toria, Backyard poultry Piggery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs of pulses, toria 3. Piggery management
74		Gobindapur gaon	Sali paddy, pulses Summer & winter vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop & vegetable production 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Scientific vegetable production 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
75		Latak gaon	Sali paddy, pulses Summer & winter vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop & vegetable production 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Scientific vegetable production 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
76		Bamchenia	Sali paddy, Bao paddy Winter vegetables Back yard poultry Piggery Duck rearing	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity in chicken & duck 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3.Integrated livestock management 4. Integrated poultry management 5. Introduction of improved duck variety

77		Majorbari Deuri	Sali paddy, Bao paddy Winter vegetables Back yard poultry Piggery Duck rearing	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity in chicken & duck 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3.Integrated livestock management 4. Integrated poultry management 5. Introduction of improved duck variety
78		Jyotishpur	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Integrated livestock management 4. Integrated poultry management
79		Bhebeli Sonowal	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
80		Barbam Deuri	Sali paddy Summer vegetables Back yard poultry Piggery Goatery	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3 Integrated livestock management 4. Integrated poultry management
81		Madhya Mingmang	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Integrated livestock management 4. Integrated poultry management

82		Tigerguri	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Integrated livestock management 4. Integrated poultry management
83		Joyrampur	Blackgram, Sali paddy, vegetables, Dairy, Piggery	1. Use of low yield of local cultivars 2. Lack of knowledge on scientific crop management 3. Low litter size, high mortality, disease problem, non- availability quality breed 4. Less aware on fodder cultivation	1. Crop variety introduction 2. Crop production and management, 3. Introduction of fodder crop 4. Piggery management
84		Amritpur	Blackgram, Sali paddy, vegetables, Piggery	1. Use of low yield of local cultivars 2. Lack of knowledge on scientific crop management 3. Low litter size, high mortality, disease problem, non- availability quality breed 4. Less aware on fodder cultivation	1. Crop variety introduction 2. Crop production and management, 3. Introduction of fodder crop 4. Piggery management
85		Medok gaon	Sali paddy, pulses, Summer vegetables Winter vegetables, Back yard poultry Piggery, Fishery	1. Low yield of local cultivars, non availability and adoption of HYVs, Lack of knowledge on scientific crop management 2. Low egg and meat productivity in poultry due to unscientific management 3. Low production, low litter size, high mortality in pigs 4. Improper management of Livestock	1. ICM and IPM 2. Introduction of HYVs 3. Breed introduction, poultry management 4. Piggery management 5. Fishery management

86		Kapahtoli	Sali paddy Summer vegetables Back yard poultry Piggery Goatery Potato, Colocasia & other plantation crops	1. Lack of knowledge on scientific crop management 2. Low egg and meat productivity 3. Low production, low litter size, high mortality, disease problem in pigs	1. Introduction of HYV of sali rice 2. ICM and IPM 3. Integrated livestock management 4. Integrated poultry management

3. TECHNICAL ACHIEVEMENTS

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

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	**Achievement**
PBG	3	3	6	6	4	4	28	**28**
Plant protection	2	2	4	4	2	2	32	**32**
Soil Science	2	2	6	6	1	1	8	**8**
Horticulture	-	-	-	-	1	1	1	**1**
Animal Science	2	2	8	8	9	9	165	**165**
Fisheries Science	2	2	4	4	2	2	4	**4**
Home Science	1	1	6	6	3	3	9	**9**
Total	**12**	**12**	**34**	**34**	**22**	**22**	**247**	**247**

5. Note: Target set during last Annual Zonal Workshop

6. B. Abstract of interventions undertaken during 2018-19

Sl. no.	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Varietal evaluation	Black gram	Lack HYV Black gram in local farmers	Assessment of new Blackgram varieties- SB 42-8, SB 43-8 and PU 31(Check)					**Seed & fertilizers**

2.	Varietal evaluation	Jute	Low yield of local cultivars	Assessment OF Scientific cultivation of Jute . Var. Tarun					**Seed, fertilizers, Pesticides**
3.	Varietal evaluation	Blackgram	Due to lack of late sowing black gram as incessant rain is frequently seen in normal sowing time	Assessment of performance of late sown Blackgram variety- Beki and Kolong					**Seed, fertilizers, Pesticides**
4.	Varietal evaluation	Summer Green gram	Non availability of suitable varieties for cultivation	Assessment of performance of Summer Green Gram SGC-20 and IMP 02-3					**Seeds and pesticides**
5.	Drudgery reduction	Protective clothing	Lack of protective clothing leads to various health hazards and leading to fatigue and low productivity of farmer	OFT on protective clothing					**Protective clothing**
6.	INM	Sali paddy Var.: Gitesh	Deficiency of Zn in field causes chaffy grain production	Effect of Zn solubulizing bacteria in rice cultivation under rice based cropping sequence					**Seed, Zn solubilizing bacteria & fertilizer**

7.	INM	Sali paddy Var.: Gitesh	Incidence of spikelet sterility in Sali paddy cultivation under low land situation which leads to economic loss of the crop	Boron for correction of spike let sterility of low land kharif rice					**Seed & Boric acid**
8.	Breed introduction	Var.: Japanese quail	The farmers of Dhemaji district less aware about the Quail rearing	Assessment of performance of Quail var.: Japanese quail					**Chicks, Feed & Medicine**
9.	Organic vegetable production	Capsicum, Carrot, Kohlrabi, Tomato		Cultivation of organic vegetables					**Seed**
10.	Breed improvement	Rani & HDK-75	Non availability of high yielding pig breed and low performance of existing breeds	Assessment of performance of newly developed improved type pig breed- Rani & HDK-75 for meat & piglet production					**Piglet & feed**
11.	Pond management	Spp.: Amur common carp	Low productivity of existing stock of common carp	Performance of Amur common carp in composite fish culture					**Lime, fertilizer, Fish seed & feed**
12.	High value food	Spp.: *Monopterus spp.*	No proper breeding technology	Kuchia (*Monopterus cuchia*)cu					**Tank construction**

	productio n			lture in cemented tank					**material & Kuchia**
13.	IDM	Garden pea Var.: Vatika 10	Pea rust is the regular occurring disease causes considerab le economic loss to the crop	Managem ent of pea rust in garden pea					**Seed, fertilize r & fungicid e**
14.	IPM	Lathyrus Var.: Ratan	Infestation of aphid is a major insect pest in lathyrus causes economic loss to the crop	Managem ent of aphid in lathyrus					**Seed**
15.	Crop managem ent	Sali paddy - Toria	Land remain fallow after Sali paddy		Demonstr ation on rice – toria cropping sequence				**Seeds and pesticid es**
16.	Crop managem ent	Submerge nce toralant Sali paddy var. Bahadur sub-1	Less popularity of submergen ce tolerant paddy variety		Demonstr ation on Scientific cultivation of submerge nce tolerant Sali rice variety Bahadur Sub 1 in low land areas of Dhemaji district		Certifie d seed product ion of Sali paddy	Field Day conduct ed	**Seeds, Fertilize rs and pesticid es**
17.	Crop managem ent	Submerge nce toralant Sali paddy var. Ranjit	Less popularity of submergen ce tolerant paddy variety		Demonstr ation on Scientific cultivation of submerge nce tolerant Sali rice		Certifie d seed product ion of Sali paddy	Field Day conduct ed	**Seeds, Fertilize rs and pesticid es**

		sub-1			variety Ranjit Sub 1 in low land areas of Dhemaji district				
18.	Crop management	Hybrid paddy Var. Arize Gold, Arize Taj Gold & Arize 6129 Gold	Low productivity of local cultivars		Demonstration on Bayers paddy hybrid Arize Gold, Arize Taj Gold & Arize 6129 Gold		Scientific cultivation of Sali paddy	Field conducted	
19.	Fodder production and quality enhancement	Seteria grass var. PSS-1	Non availability of quality grass		Year round fodder production through of Seteria grass (var. PSS-1)				**Planting material, fertilizers**
20.	Fodder production and quality enhancement	Napier grass var. CO 5	Non availability permanent quality grass		Year round fodder production through of Napier grass (var. CO 5)				**Planting material, fertilizers**
21.	Fodder production and quality enhancement	Oat grass var. JHO-822	Non availability quality grass at lean period		Year round fodder production through of Oat grass (var. JHO-822)			Field day	**Seeds and fertilizers**
22.	Health care	Mineral mixture 'AAUVETMIN	Lower milk production and reproductive performance of cattle due to micronutrient		Supplementation of area specific mineral mixture to dairy cattle for enhancement of milk				Mineral mixture 'AAUVETMIN, anthelmintics

			deficiency		production reproductive performance				
23.	Breed Introduction	Poultry breed Rainbow Rooster	Low productivity of local poultry breed		Popularization improved type dual purpose poultry breed "Rainbow Rooster"				**Rainbow rooster chick, feed, vaccines, medicine**
24.	Breed Introduction	Poultry breed Kamrupa	Low productivity of local poultry breed		Popularization improved type dual purpose poultry breed "Kamrupa"				**Kamrupa rooster chick, feed, vaccines, medicine**
25.	Nutrient Management	Blackgram	Injudicious use of chemical fertilizers in blackgram cultivation		Nutrient Management in blackgram				**Seed, fertilizers, Pesticides**
26.	Organic input production	Vermicompost	Poor economic condition of the rural farmer of the District to construct the pucca tank for vermicompost production		Demonstration on low cost vermicompost production technology				**Low cost vermicompsting unit, Earthworm**
27.	Beneficial organism	Mushroom	Less aware of the cultivable mushroom as well as production technology of		Year round production of oyster mushroom	Scientific Cultivation of Oyster Mushr			**Spawn, Poly bags**

			mushroom			oom			
28.	Value addition	Kitchen Garden	Less frequency of consumption of vegetables due to high price and availability		Nutritional security through model kitchen garden				**Seed, Planting material**
29.	Drudgery reduction	Maize sheller	High drudgery involvement in maize shelling and non availability of low cost maize sheller		Demonstration on use of tubular maize sheller for drudgery reduction and increase of efficiency of farm women				**Maize sheller**
30.	Integrated Disease Management	Sali paddy	Rice crop is frequently attack by numbers of pest and diseases causes economic losses		IPM module for managing insect pest of HYV Sali rice in Dhemaji				**Seed, fertilizers, Pesticides, Pheromone trap**
31.	Varietal evaluation		Non availability of quality Jute variety		Scientific cultivation of Jute Var. Tarun				**Seed**
32.	Pond management	Fish spp. Rohu, Catla, Mrigal, G. carp, S. carp & C. carp Duck breed: Charra Champbe	Low income from a unit area due to single farming system		Performance of Integrated duck (dual purpose) cum fish cum horticulture farming				**Lime, Fish seed, fish feed, chicks and duck feed**

		li							
33.	Pond management	Fish spp. Jainti rohu	Body weight and quality is low in existing Rohu (*Labeo rohita*)		Demonstration of Jainti rohu in composite fish culture				**Lime, fertilizer, fish seed & fish feed**
34.	Mulching	Pineapple	Moisture stress during critical stage and high cost involved in manual weeding		Cultivation of HDP Pineapple var. Kew using 50 micron Black Polythene Mulch			Method Demonstration	**Planting material, Mulching material, fertilizers**
35.	Breed improvement	Pig	Low productivity of existing local breed		Introduction of newly developed improved type pig breed- HDK-75 & RANI for meat and piglet production				Piglets, Pig feeds, medicine
36.	Breed introduction	Chicken	Low productivity of existing local breed		Popularization of improved type dual purpose poultry- Vanraja				Vanraja DOC, feeds, vaccine, medicine
37.	Breed introduction	Duck	Low productivity of existing local breed		Popularization of improved type dual duck breed- Charra Chembali				Charra Chembali duckling, feeds, vaccine, medicine
Demonstrations under TSP programme									

38.	Crop Management	Sali Paddy	Low yield of local cultivars		Demonstration on cultivation of Sali paddy var. *Bahadur sub 1*	Scientific cultivation of sali paddy		Field day	**Seed, Fertilizer, pesticide**
39.	Crop Management	Black gram	Low yield of local cultivars due to unscientific crop management		Demonstration on cultivation of Blackgram	Scientific cultivation of blackgram		Field day	**Seeds, Fertilizer, pesticide**
40.	Crop Management	Garden pea	Low yield of local cultivars due to unscientific crop management		Demonstration on scientific cultivation of garden pea				**Seed, fertilizer, pesticide**
41.	Crop Management	Cucumber	Low yield of local cultivars due to unscientific crop management		Demonstration on scientific cultivation of cucumber				**Seed, fertilizer, pesticide**
42.	Crop Management	Toria	Low yield of local cultivars and unscientific crop management		Demonstration on scientific cultivation of Toria		Integrated nutrient management in Toria	Field day	**Seed, vermicompost, pesticide**
43.	Crop Management	Maize	Low yield of local cultivars and unscientific crop management		Demonstration on scientific cultivation of Maize		Scientific cultivation of maize		**Seed, fertilizer, pesticide**

44.	Crop Management	Boro paddy	Unscientific crop management		Demonstration on scientific cultivation of Boro paddy				**Seed, fertilizer, pesticide**
45.	Livestock management & health care	Pig	Unscientific rearing management		Demonstration on scientific rearing of pig				**Piglet, feed, medicine**
46.	Poultry management & health care	Poultry	Unscientific rearing management		Demonstration on scientific poultry rearing				**Chick, feed, medicine**
47.	Livestock management & health care	Goat	Unscientific rearing management		Demonstration on scientific rearing of goats				**Kid, feed, medicine**
48.	Integrated Farming system	IFS	Less profitability due to non integration of farm component		Demonstration on integrate farming system development				**Piggery component,** **Lime & fish seed**
CFLD under NMOOP and NFSM Pulse sponsored by ATARI									
49.	Crop management	Sesamum	Low production of local cultivars		Scientific cultivation of Sesamum var. *Bahua bheti*	Improve Cultivation Practices of sesamum		Field day	Seed, Vermicompost, pesticide
50.	Integrated Nutrient Management	Toria	Ignorance about use of biofertilizers in Toria as a cheap and		Integrated Nutrient Management in Toria	Integrated Nutrient Management in		Field day	Seed, Biofertilizers, Vermicompost, pesticide

			efficient source of nutrients			Toria			
51.	Integrated Nutrient Management	Blackgram	Ignorance about use of biofertilizers in Blackgram as a cheap and efficient source of nutrients		Integrated Nutrient Management in Black gram	Integrated Nutrient Management in Toria			Seed, Biofertilizers, Vermicompost
52.	Integrated Nutrient Management	Field Pea	Ignorance about use of biofertilizers in Pea as a cheap and efficient source of nutrients		Integrated Nutrient Management in Pea	Integrated Nutrient Management in Pea		Field day	Seed, Biofertilizers, Vermicompost
53.	Integrated Nutrient Management	Lentil	Ignorance about use of bio fertilizers in Lentil as a cheap and efficient source of nutrients		Integrated Nutrient Management in Lentil	Integrated Nutrient Management in Lentil			Seed, Biofertilizers, Vermicompost
54.	Integrated Nutrient Management	Green gram	Ignorance about use of bio fertilizers in green gram as a cheap and efficient source of nutrients		Integrated Nutrient Management in green gram	Integrated Nutrient Management in Green gram			Seed, Biofertilizers, Vermicompost
55.	Crop management	Chick pea	Lack awareness on		Demonstration on scienti				Seed, Biofertilizers,

			scientific cultivation		fic cultivation of chick pea				Vermicompost, pesticide
56.	Cropping system	Paddy-lathyrus	Land became fallow after paddy harvesting		Relay cropping of Grass pea (Lathyrus) with winter rice	Relay cropping of Grass pea (Lathyrus) with winter		Field day	Seed, Biofertilizers, Vermicompost, pesticide

3.1 Achievements on technologies assessed and refined during 2018-19

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Spices	Tuber Crops	TOTAL
Varietal Evaluation	1	-	3	-	-	-	-	-	-	**4**
Nutrient Management	4	-	-	-	-	-	-	-		**4**
Soil microbes	-	-	-	-	-	-	-	-	-	-
Organic cultivation	-	-	-	-	1		-	-	-	**1**
Clothing and textile	-	-	-	-	-	-	-	-	-	**1**
TOTAL	**5**	-	**3**	-	**1**	-	-	-	-	**10**

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

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

***** *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	Bird	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	1	-	1	**2**

Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	1	1	**2**
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**4**

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

A.5. Results of On Farm Testing

<table>
<tr><th>Sl. No.</th><th>Title of OFT</th><th>Problem Diagnosed</th><th>Name of Technology Assessed</th><th>Crop/Cropping system/ Enterprise</th><th>No. of Trials</th><th>Results of Assessment/ Refined (Data on the parameter should be provided)</th><th>Feedback from the farmer</th><th>Feedback to the Researcher</th><th>B.C . Ratio (if applicable)</th></tr>
<tr><td>1</td><td>Effect of Zinc solubilizing bacteria in rice cultivation under rice based cropping sequence</td><td>Deficiency of Zn in field causes chaffy grain production</td><td>Seedling root dip treatment with zinc solubilising bacteria @ 3.5 kg/ ha along with recommended doses of fertilizer: 60: 20: 40 NPK/ha</td><td>Sali paddy
var: Gitesh</td><td>3</td><td>Referred to the table below</td><td>Farmers are satisfied with the performance of the technology</td><td></td><td>Referred to the table below</td></tr>
<tr><td colspan="10"><table>
<tr><th>Parameters</th><th>Tech.</th><th>FP</th></tr>
<tr><td>Status of Zn(Before)</td><td>0.48 ppm</td><td>0.42 ppm</td></tr>
<tr><td>Status of Zn (After)</td><td>0.51ppm</td><td>0.37 ppm</td></tr>
<tr><td>Effective tiller/Plant</td><td>12</td><td>12.5</td></tr>
<tr><td>Plant Height (cm)</td><td>152</td><td>153</td></tr>
<tr><td>Days to 50% flowering</td><td>125</td><td>125</td></tr>
<tr><td>Yield (q/ ha)</td><td>48.5</td><td>45.2</td></tr>
<tr><td>B: C</td><td>2.56</td><td>2.42</td></tr>
</table></td></tr>
</table>

2	Management of spikelet sterility and chaffy grain production of Sali paddy cultivation	Spikelet sterility and chaffy grain of rice is problem in district which causes economic losses to the crop**.**	Foliar application of Boron @ 0.4 ppm, at anthesis stage (2.30 mg boric acid/ lit of water) in rice reduces sterility of Sali rice (10-15%) and thereby increases grain yield	Sali paddy	3	Referred to the table below	Farmers are satisfied with the performance of the technology		Referred to the table below

Parameters	Technology	Farmers' practice
Incidence of Spikelet sterility (%)	3.0	5.0
Effective tiller/Plant	12.67	12.33
Plant height (cm)	152	153
Days to 50% flowering	125	125
Yield	45.2	41.6
B: C	2.36	2.23

3	Assessment of scientific cultivation of jute var. Tarun	Low yield of local cultivars	Tarun	Jute	3		Farmers are satisfied with the performance of the technology		Referred to the table below

Parameters	Technology	FP
Plant Height (m)	3.15	2.9
Production (q/ha)	28.5	25.5
GR (Rs./ha)	85,500.00	76,500.00
GC (Rs./ha)	32,792.00	33,252.00

					NR (Rs./ha)	52,708.00	43,248.00		
					B:C	2.60	2.30		
4	Assessment of late sown Blackgram variety Beki and Kolong	Non availability of late sown Blackgram variety	Blackgram var: *Beki & Kolong*	Blackgram	2	Referred to the table below	Farmers are satisfied with the performance of the technology		Referred to the table below

Oservation

Parameter	Beki	Kolong	Local (Check)
Date of sowing	03-10-18 & 05-10-18	03-10-18 & 05-10-18	03-10-18 & 05-10-18
Plant height (cm)	30.2	34.1	24.6
Infestation of pest	-	-	-
Occurrence of diseases	Cercospora leaf spot (50% plant) at maturity stage	Cercospora leaf spot (50% plant) at maturity stage	Cercospora leaf spot (40% plant) at maturity stage
	Downy mildew at pod filling stage (30%)	Downy mildew at pod filling stage (30%)	Downy mildew at pod filling stage (30%)
Yield	3.5	3.1	2.75

5	Assessment of performance of Summer Green Gram SGC-20 and IMP 02-3	Lack of suitable green gram variety and low yield of local cultivar	Summer Green Gram var. SGC-20 and IMP 02-3	Greengram	3	Referred to the table below			

Parameters	SGC-16	SGC-20	IPM-02-3
Date of sowing	14-03-2019 & 15-03-2019	14-03-2019 & 15-03-2019	14-03-2019 & 15-03-2019
Days to 50% flowering	35	32	28
Plant Height (m)	53	49	32
No. Branch/plant	5	4	4
No. of pod/plant	19	18	18
No. of seed/pod	12	11	10

<table>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td>
<table>
<tr><td>Pest infestation</td><td>At flowering stage (Negligible)</td><td>At flowering stage (Negligible)</td><td>At flowering stage (Negligible)</td></tr>
<tr><td>% disease infection</td><td>Root rot at seedlling stage (below 5%)</td><td>Root rot at seedlling stage (below 5%)</td><td>Root rot at seedlling stage (below 5%)</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Management of pea rust in garden pea</td><td>Pea rust is regular occurring disease causes considerable economic loss to the crop</td><td>Three spraying of fungicides Propiconazole @ 2g/l at 10 days interval starting from the appearance of disease</td><td>Graden pea, var.- Vatica-10</td><td>3</td><td>
<table>
<tr><td>Referred to the table below</td><td>Farmers are satisfied with the performance of the technology</td><td></td><td>Referred to the table below</td></tr>
</table>
<table>
<tr><td>Parameters</td><td>Technology</td><td>Farmers’ Practice</td></tr>
<tr><td>Incidence of rust</td><td>5.0%</td><td>13.5%</td></tr>
<tr><td>% disease reduction</td><td>62.96</td><td></td></tr>
<tr><td>Yield (q/ ha)</td><td>120.0</td><td>109.8</td></tr>
<tr><td>GR (Rs./ha)</td><td>1,80,000.00</td><td>1,64,700.00</td></tr>
<tr><td>GC (Rs./ha)</td><td>46850.00</td><td>44500.0</td></tr>
<tr><td>NR (Rs./ha)</td><td>1,33,150.00</td><td>1,20,200.00</td></tr>
<tr><td>B: C</td><td>3.84</td><td>3.70</td></tr>
</table>
</td></tr>
<tr><td>7</td><td>Management of aphid in lathyrus</td><td>Infestation of aphid is a major insect pest in lathyrus causes economic loss to the crop</td><td>T1: Dusting with ash of crop residues+ fine sand @ (25kg ash+ 5kg sand)/ha</td><td>Lathyrus, var.- Ratan</td><td>1</td><td>
<table>
<tr><td>Referred to the table below</td><td></td><td></td><td>Referred to the table below</td></tr>
</table>
<table>
<tr><td>Parameters</td><td>T1</td><td>T2</td></tr>
<tr><td>% Incidence</td><td>-</td><td>-</td></tr>
<tr><td>Aphid population/plant</td><td colspan="2">Aphid infestation not observed</td></tr>
<tr><td>Yield (q/ ha)</td><td>6.50</td><td>6.50</td></tr>
</table>
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<table>
<tr><td></td><td></td><td></td><td>just after appearance of aphid in early morning before 7am. Need based dusting with ash+ sand at the same rate during poding
T2: Untreated control</td><td></td><td></td><td colspan="4"></td></tr>
<tr><td>8</td><td>Assessment of performance of Quail bird</td><td>Newly introduced</td><td>Quail bird breed- Japanese quail</td><td>Quail bird</td><td>8</td><td>Referred to the table below</td><td>Farmers are highly satisfied with the performance of the technology</td><td></td><td>Referred to the table below</td></tr>
<tr><td colspan="6"></td><td colspan="4"><table>
<tr><td colspan="3">Parameters</td></tr>
<tr><td>Age of first egg lay</td><td colspan="2">60-68 days</td></tr>
<tr><td>Wt. of egg (gm)</td><td colspan="2">10-12</td></tr>
<tr><td>Average annual egg production/ bird</td><td colspan="2">150 nos.</td></tr>
<tr><td></td><td>Egg production</td><td>Meat production</td></tr>
<tr><td>GC</td><td>403.00</td><td>70.00</td></tr>
<tr><td>GI</td><td>1500.00</td><td>160.00</td></tr>
<tr><td>NI</td><td>1097.00</td><td>90.00</td></tr>
<tr><td>B:C</td><td>3.72</td><td>2.29</td></tr>
</table></td></tr>
</table>

9	Assessment of new Blackgram varieties SB 42-8, SB 43-8 and PU 31 (Check)	Non availability of suitable Blackgram variety	Blackgram varieties SB 42-8, SB 43-8 and PU 31 (Check)	Black gram	1	Crop was damage due to heavy rainfall and water-logging condition in the field			
10	OFT on protective clothing	Lack of protective clothing leads to various health hazards and leading to fatigue and low productivity of farmer	Protective clothing	Clothing	6	Referred to the table below	Farmers are satisfied with the performance of the technology		Referred to the table below

Functional features of the garment	Characteristics of functional features	Observation
Apron Length Round neck Long sleeve Elasticized cuff Patch pocket with flap	Adequate length	Highly suitable
	Comfortable to work	Suitable *
	Protect arm from husk/dust	Suitable
	Protect from itching/cut	Suitable
	Position of the pocket	Suitable
	Shape & size of the pocket for keeping necessary things	Highly suitable
	Flap prevent accumulation	Suitable
Pant Elastcized waist & ankle	Adequate length	Suitable
	Adequate crotch length	Suitable
	Protect from itching/cut	Suitable
	Comfortable to work	Suitable**
	Easy to put on	Suitable
Head gear with mask Length Net used on the front	Protect head from dust	Suitable
	Protect head from sunlight	Suitable
	Easy to put on	Suitable
	Easy to put off	Suitable
	Adequate length	Suitable
	Protects eyes	Suitable
	Protects nose	Suitable
	Protects mouth	Suitable

* The dresses and accessories were found to be suitable for paddy threshing activity. In case of harvesting of paddy most of the samples found the clothes warmer at noon time.

**Though the pant was found to be suitable in field activities but woman folk objects to wear at home (cleaning/dehusking) as the Tribal people used to wear ethnic dresses *(Mekhla Chadar*) in home and social environment.

11	Assessment of performance of newly developed improved type pig breed- Rani & HDK-75 for meat & piglet production	Non availability of high yielding pig breed Low performance of existing local breed	Pig breed- Rani and HDK-75	Piggery	2	Programme is in progress (Growing stage, Present age of animal- 5 months Weight – 40 – 45 kg/ pig)
12	Cultivation of organic vegetables		Cabbage- var.- Disang, Tomato- var.- Dhansiri, Okra, var.- Barasha	Horticulture crop	10	Programme is in progress
13	Performance of Amur common carp in composite fish culture	The productivity of existing stock of Common carp is low	Medium-size (fingerling) Amur common carp are incorporate with IMC. Application of lime: 700 kg/ha Manure : Cow dung 12000 kg/ha; Urea 230 kg/ha; SSP	Fishery	2	Programme is in progress (Started in the month of March, 2019)

			320 kg/ha Fish Seed : 7500 nos./ha Feed :3600 kg/ha (MOC: Rice bran- 1:1) Expected production: 4200 kg/ha			
14	Kuchia (*Monopterus cuchia*)culture in cemented tank	No proper breeding technology	Size of the tank : 20 x 18 x 5 ft Application of lime: 22 kg/tank (11 split) Kuchia seedling @ 10 nos./sqm Feed : @ 2-3% of body weight (small fish, dry fish, MOC, broiler chicken waste product and earth worm)	Fishery	2	Programme is in progress (Started in the month of March, 2019)

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 2016-17 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	Sali paddy	var. *Bahadur sub-1*	6	36	14.4
2	Toria	Variety: TS-38	26	125	50.0
4	Blackgram	PU31	7	70	9.3
		IPU-94-1	3	14	2.0
6	Nutrient Management	INM in Blackgram	3	3	6.67
7	Mushroom	Oyster	12	28	-
8	Vermicompost	Vermicompost production	6	30	-
9	Poultry	Kamrupa	10	50	50 farmers

**** 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**.)

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers / demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1.	Sali paddy	Crop management	Bahadur sub 1	Kharif, 2018	1.0	1.0	2	3	5	-	Rainfed			
2	Sali paddy	Crop management	Ranjit sub 1	Kharif, 2018	2.0	2.0	8	2	10		Rainfed			
3.	Sali paddy and Toria – TS -38	Cropping Sequence	Paddy - TTB 404, Toria – TS 38	Kharif, 2018 and Rabi 2019	2.0	2.0	0	6	6	-	Rainfed			
4.	Paddy Hybrid Arize Gold	Crop management	Arize Tej Gold and Arize 6129	Kharif, 2018	0.13	0.13	0	2	2	-	Rainfed			
5.	Maize (under TSP 2016-17)	Crop Management	Vatika 2711	Rabi 2018-19	2.67	2.67	28	0	28		Rainfed			
6.	Sali paddy	IPM	Referred below	Kharif, 2018	2.0	2.0	4	8	12	-	Rainfed			

	Technology: **<u>Chemical control</u>** 1. Seed treatment with Carbendazim @ 2.5g/kg of seed/ liter of water 2. Nursery treatment with Carbofuran @ 1kg a.i./ha at 5 to 7 days before uprooting of seedling. 3. Need based application of pesticides: Spraying of Monocrotophos 40EC @0.04% at 25-30 days after planting against case worm **<u>Cultural control</u>** 1. Timely planting 2. Optimum plant population 3. Balanced fertilizer application as per recommendation 4. Clean cultivation 5. Regular pest monitoring using pheromone traps @ 10 traps/ha for YSB **<u>Biological control</u>** 1. Six releases of *Trichogramma spp.* @ 50,000/ha on observing the moths of YSB **<u>ITKs</u>** 1. Use of bamboo perches (T-perches) to encourage predatory birds @ 50no./ha													
7	Sali paddy (Under TSP 2015-16)	Crop Management	*Bahadur sub-1*	Kharif, 2018	10.0	10.0	80	0	80	-	Rainfed			
8	Boro paddy (Under TSP 2016-17)	Crop Management	var. *Arize 6444 Gold*	Rabi, 2018	20.0	20.0	81	0	81	-	Rainfed			

Horticultural crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1	Pineapple	Mulching	Mulching (50 micron polythene-HDP: 90 x 60 x 30 cm)	Kharif 2018-19	0.065	0.065	-	1	1		Rainfed			
2.	Summer vegetables (TSP 2014-15)	Integrated crop management	Crop- Okra	Late Rabi 2018-19	4.53	4.53	44	0	44		Rainfed			
3.	Summer vegetables (TSP 2015-16)	Integrated crop management	Crop- cucumber	Late Rabi 2018-19	2.4	2.4	20	0	20		Rainfed			
4.	Scientific cultivation of Garden pea (TSP 2015-17)	Integrated crop management	Var. Vatika-10	Rabi-2018-19	8.53	8.53	54	0	54		Rainfed			

5.	Summer vegetables (TSP 2016-17)	Integrated crop management	Crop – Cucumber, Okra and Cowpea	Late Rabi 2018-19	1.00	1.00	43	0	43		Rainfed			
6.	Fruits crop (TSP 2014-15)	Homestead management	Crop- Coconut	Summer, 2018-19	-	-	106	0	106		Rainfed			
7.	Fruits crop (TSP 2015-16)	Homestead management	Crop- Areca nut, Assam lemon, Guava & Litchi	Summer, 2018-19	-	-	28	0	28		Rainfed			
8.	Fruits crop (TSP 2016-17)	Homestead management	Crop- Coconut, Areca nut, Assam lemon, Guava, Litchi & Other agroforestry plant	Summer, 2018-19	-	-	42	0	42		Rainfed			

Oilseeds

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

					Proposed	Actual	SC/ST	Others	Total					
1	Sesamum (NMOOP , ATARI)	Integrated crop management	Referred below	Kharif, 2018-19	20.0	20.0	42	8	50		Rainfed			
	Technology: Var. Bahua bheti Scientific cultivation of Sesamum (Land preparation: Fine tilth by 3-4 ploughing, Time of Sowing: July to August, Seed rate: 4Kg/ Ha, Inter culture: Thinning 20 days after sowing RD of fertilizer: N:P2O5:K : 30:20:20 Kg/ ha)													
2	Toria (NMOOP , ATARI)	Integrated Nutrient management	Referred below	Rabi 2018-19	30.0	30.0	26	49	75		Rainfed			
	Technology: Seed coating with Bio fertilizers (Azotobacter and PSB @ 40 g each/kg of seed) along with 75% recommended dose of inorganic fertilizers NP and full K. RD: 40:35:15 kg N: P2O5: K2O/ ha													
3	Toria (TSP 2016-17)	Integrated Nutrient management	Referred below	Rabi 2018-19	20.0	20.0	50	0	50		Rainfed			
	Technology: Seed coating with Bio fertilizers (Azotobacter and PSB @ 40 g each/kg of seed) along with 75% recommended dose of inorganic fertilizers NP and full K.													

Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
					Proposed	Actual	SC/ST	Others	Total			N	P	K
1.	Blackgram	Nutrient Management	PU - 31	Kharif, 2018-19	1.0	1.0	0	4	4		Rainfed			
2	Blackgram (TSP 2015-16)	Integrated crop Management	PU - 31	Kharif, 2018-19	25.0	25.0	125	0	125		Rainfed			
3	Blackgram (NFSM, ATARI 2018-19)	Integrated Nutrient Management	PU - 31	Kharif, 2018-19	30.0	30.0	64	11	75		Rainfed			
	Technology: Seed coating with Rhizobium and PSB @ 150 g each per kg of seed along with 50% RD of N & P and full dose of K (RD = 10:35:10 N;P2O5: K2O)													
4	Lentil (NFSM, ATARI	Integrated Nutrient	Referred below	Rabi, 2018-19	10.0	10.0	0	26	26		Rainfed			

	2018-19)	Management												
	Technology: Seed coating with Rhizobium and PSB @ 150 g each per kg of seed along with 50% RD of N & P (RD = 15:35:0 N;P2O5: K2O)													
5	Field pea (NFSM-ATARI 2018-19)	Integrated Nutrient Management	Referred below	Rabi, 2018-19	20.0	20.0	41	11	52		Rainfed			
	Technology: Seed coating with Rhizobium and PSB @ 1.6 kg/ ha along with 50% RD of NP and full K (RD = 10:46:10 N: P2O5: K2O) and Borax @ 10.00 kg/ha													
6	Green gram (NFSM-ATARI 2018-19)	Integrated Nutrient Management	Referred below	Rabi 2018-19	10.0	10.0	25	0	25					
	Technology: Var. *SGC 16* Seed coating with *Rhizobium* and PSB @ 150 g/ 3 kg of seeds along with 50% RD of NP and full K (RD= 10:35:10 N: P_2O_5: K_2O)													
7	**Chick pea (NFSM-ATARI 2018-19)**	Integrated crop Management	Var. JG-14	Rabi 2018-19	10.0	10.0	31	14	45		Rainfed			
8	**Grass pea (Lathyrus) (NFSM-ATARI**	Integrated crop Management	**Referred below**	Rabi 2018-19	10.0	10.0	20	11	31		Rainfed			

	2018-19)													
	Technology: Var. Ratan Relay cropping of grass pea (Lathyrus) with winter rice													

Fiber Crop

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.	Jute	Integrated Crop Management	Var. *Tarun*	Summer 2018-19	1.0	1.0	7	0	7		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.)				Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Sali paddy(Bahadur sub 1)	Crop management	1.0	Referred below														

	Yield (q/ha)			% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Economics (Rs./ha.)			
	H	L	A			GC**	GR**	NR**	BCR**
Demo	60.4	48.0	51.0	13.84	Negligible	31170.00	84150.00	52980.00	2.70
Check			41.2		Negligible	23455.00	49440.00	25985.00	2.09

2	Sali	Crop	2.0	Referred below

	paddy (Ranjit sub 1)	manag ement			Yield (q/ha) H	L	A	% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	GC**	Economics (Rs./ha.) GR**	NR**	BCR**
				Demo	51.3	41.8	42.5	3.15	Negligible	30140.00	70125.00	39985.00	2.33
				Check			41.2		Negligible	23455.00	49440.00	25985.00	2.09
3	Sali paddy (TTB 404)and Toria – (TS - 38)	Croppi ng Sequen ce	2.0	Referred below									
					Yield (q/ha) H	L	A	% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	GC**	Economics (Rs./ha.) GR**	NR**	BCR**
				Demo	Paddy: 48.5 Toria : 10.6	Paddy: 39.0 Toria : 4.5	Paddy: 44.0 Toria : 7.2	Paddy :15.78 Toria :12.14	Negligible	Paddy: 31450.00 Toria :11750.00	Paddy: 72600.00 Toria :21600.00	Paddy: 41150.00 Toria : 9850.00	2.30 1.83
				Check			Paddy : 38.0 Toria :6.42		Negligible	Paddy: 22855.00 Toria :12000.00	Paddy: 45600.00 Toria :19260.00	Paddy: 22745.00 Toria :7260.00	1.99 1.6

4	Paddy Hybrid Arize Gold	Crop management	0.13	Referred below

	H	L	A	% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	GC**	GR**	NR**	BCR**
		Yield (q/ha)				Economics (Rs./ha.)			
Demo	55.8	46.0	49.0	9.37	Stem borer (2%) Brown spot (3%)	33410.00	80850.00	47430.00	2.42
Check			44.8		Negligible	22855.00	44800.00	21945.00	1.96

5	Maize (Under TSP 2016-17)	Crop management	2.67	Referred below Ongoing stage (cob formation stage)
6	Sali paddy	IPM	2.0	Referred below

	Stem borer infestation	Leaf folder infestation	Gandhi bug infestation	Yield (q/ha)	G.C	G.R	N.R.	B.C
Demo	1%	3%	0.5%	45	32400.00	74250.00	41850.00	2.29
Check	4%	7%	3.0%	42	32150.00	69300.00	37150.00	2.15

<table>
<tr>
<td>7</td>
<td>Sali paddy var. Bahadur sub 1 (TSP 2015-16)</td>
<td>ICM</td>
<td>10.0</td>
<td>Referred below
<table>
<tr><th></th><th colspan="3">Yield (q/ha)</th><th rowspan="2">% increase in Avg. yield</th><th rowspan="2">Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>61.4</td><td>48.0</td><td>52.0</td><td rowspan="2">14.84</td><td>Negligible</td><td>31170.00</td><td>85800.00</td><td>54360.00</td><td>2.75</td></tr>
<tr><td>Check</td><td></td><td></td><td>41.2</td><td>Negligible</td><td>23455.00</td><td>49440.00</td><td>25985.00</td><td>2.09</td></tr>
</table>
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<tr>
<td>8</td>
<td>Boro paddy (TSP-2016-17)</td>
<td>ICM</td>
<td>20.0</td>
<td>Ongoing (Seed filling stage)</td>
</tr>
</table>

9	Sesamum (NMOOP, ATARI)	ICM	20.0	Referred below

	Yield (q/ha)			% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Economics (Rs./ha.)			
	H	L	A			GC**	GR**	NR**	BCR**
Demo	5.02	3.37	4.65	12.86	Wilt and shoot Webber	12160.00	27900.00	15740.00	2.29
Check			4.12		Wilt and shoot Webber	11500.00	24720.00	13220.00	2.14

10	Toria (NMOOP, ATARI)	ICM	30.0	

	Yield (q/ha)			% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Economics (Rs./ha.)			
	H	L	A			GC**	GR**	NR**	BCR**
Demo	14.5	6.7	9.85	36.8	Saw fly and aphid	14800.00	29550.00	14750.00	2.8
Check	11.8	5.0	7.2		Saw fly and aphid	13500.00	21600.00	8100.00	1.60

11	Toria (TSP 2016 -17)	ICM	20.0	Referred below

	Yield (q/ha)			% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Economics (Rs./ha.)			
	H	L	A			GC**	GR**	NR**	BCR**
Demo	12.5	7.2	9.1	36.8	Saw fly and aphid	14800.00	27300.00	12500.00	1.84
Check	10.2	5.0	7.2		Saw fly and aphid	13500.00	21600.00	8100.00	1.60

12	Blackgram	INM	1.0	Referred below

	Yield (q/ha)			% increase in Avg. yield	Data on parameters other than yield, e.g., disease incidence, pest incidence etc.	Economics (Rs./ha.)			
	H	L	A			GC**	GR**	NR**	BCR**
Demo	5.8	3.9	4.5	21.62	Negligible	12350.00	27000.00	14650.00	2.18
Check			3.7		Negligible	11875.00	22200.00	10325.00	1.86

13	Blackgram	ICM	25.0	Referred below

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<tr><td></td><td>(TSP 2015 -16)</td><td></td><td></td><td>
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<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>3.1</td><td>2.11</td><td>2.8</td><td>180</td><td>Negligible</td><td>12000.00</td><td>16800.00</td><td>4800.00</td><td>1.4</td></tr>
<tr><td>Check</td><td></td><td></td><td>1.0</td><td></td><td>Negligible</td><td>11875.00</td><td>6000.00</td><td>-</td><td>-</td></tr>
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<tr><td>14</td><td>Blackgram (NFSM, ATARI)</td><td>INM</td><td>30.0</td><td>Referred below
<table>
<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>3.8</td><td>1.65</td><td>2.11</td><td>177.6</td><td>Negligible</td><td>12350.00</td><td>12660.00</td><td>310.00</td><td>1.02</td></tr>
<tr><td>Check</td><td></td><td></td><td>0.76</td><td></td><td>Negligible</td><td>11875.00</td><td>4560.00</td><td>-</td><td>-</td></tr>
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<tr><td>15</td><td>Lentil</td><td>INM</td><td>10.</td><td>Referred below</td></tr>
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<table>
<tr><td></td><td>(NFSM, ATARI)</td><td></td><td>0</td><td>
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<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>4.9</td><td>3.1</td><td>3.77</td><td>11.53</td><td>Negligible</td><td>17050.00</td><td>22620.00</td><td>5570.00</td><td>1.33</td></tr>
<tr><td>Check</td><td></td><td></td><td>3.38</td><td></td><td>Negligible</td><td>16680.00</td><td>20280.00</td><td>3600.00</td><td>1.21</td></tr>
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<tr><td rowspan="2">16</td><td rowspan="2">Field pea (NFSM-ATARI)</td><td rowspan="2">INM</td><td rowspan="2">20.0</td><td>Referred below</td></tr>
<tr><td>
<table>
<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>14.5</td><td>10.12</td><td>11.81</td><td>47.52</td><td>Wilt and collar root</td><td>15750.00</td><td>35430.00</td><td>19680.00</td><td>2.25</td></tr>
<tr><td>Check</td><td></td><td></td><td>8.01</td><td></td><td>Wilt and collar root</td><td>16500.00</td><td>24030.00</td><td>7530.00</td><td>1.46</td></tr>
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<tr><td>17</td><td>Lath</td><td>Crop</td><td>10.</td><td>Referred below</td></tr>
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<tr><td></td><td>yrus-winter rice</td><td>ping sequence</td><td>0</td><td>
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<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>6.5</td><td>3.2</td><td>4.88</td><td>37.07</td><td>Negligible</td><td>7200.00</td><td>24400.00</td><td>17200.00</td><td>3.38</td></tr>
<tr><td>Check</td><td></td><td></td><td>3.56</td><td></td><td>Negligible</td><td>6500.00</td><td>17800.00</td><td>11300.00</td><td>2.74</td></tr>
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<tr><td>18</td><td>Chick pea</td><td>Crop management</td><td>10.00</td><td>
<table>
<tr><th></th><th colspan="3">Yield (q/ha)</th><th>% increase in Avg. yield</th><th>Data on parameters other than yield, e.g., disease incidence, pest incidence etc.</th><th colspan="4">Economics (Rs./ha.)</th></tr>
<tr><th></th><th>H</th><th>L</th><th>A</th><th></th><th></th><th>GC**</th><th>GR**</th><th>NR**</th><th>BCR**</th></tr>
<tr><td>Demo</td><td>4.8</td><td>3.42</td><td>4.09</td><td>20.65</td><td>Gram pod borer</td><td>15610.00</td><td>24540.00</td><td>8930.00</td><td>1.58</td></tr>
<tr><td>Check</td><td></td><td></td><td>3.39</td><td></td><td>Gram pod borer</td><td>15010.00</td><td>20340.00</td><td>5330.00</td><td>1.35</td></tr>
</table>
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<tr><td>19</td><td>Pineapple</td><td>Mulching</td><td>0.13</td><td>In progress (Vegetative stage)</td></tr>
</table>

20	Summer vegetables (TSP 2014-15)	ICM (Okra)	4.53	In progress (Ongoing stage)
21	Summer vegetables (TSP 2014-15)	ICM (Cucumber)	2.4	In progress (Ongoing stage)
22	Summer vegetables (TSP 2016-17)	ICM (Cucumber, Okra, Cowpea)	0.52	In progress (Ongoing stage)
23	Fruits crop (TSP 2014	Homestead manage	-	In progress (Ongoing stage)

	-15)	ment		
24	Fruits crop (TSP 2015-16)	Homestead management	-	In progress (Ongoing stage)
25	Fruits crop (TSP 2016-17)	Homestead management	-	In progress (Ongoing stage)
26	Jute	ICM	1.0	In progress (Vegetative stage)

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

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

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

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

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

d. Extension and Training activities under FLD on Crops

Sl. No.	Activity	No. of activities organized	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	Demonstration on Scientific cultivation of submergence tolerant Sali rice variety Bahadur sub 1 in lowland areas of Dhemaji district (TSP 2015-16)	12.11.2018	0	34	34	34
2		Demonstration on Scientific cultivation of submergence tolerant Sali rice variety Ranjit sub 1 in lowland areas of Dhemaji district	22.11.2018	0	34	34	34
3		FLD on performance of Bayers hybrid paddy	23.11.2018	40	0	40	40
4		Demonstration on Scientific cultivation of submergence tolerant Sali rice variety Bahadur sub 1 in lowland areas of Dhemaji	26.11.2018	0	31	31	31
5		Scientific cultivation of Toria	30.01.2019	0	24	24	24
6		INM in Toria	01.02.2019	0	38	38	38
7		INM in Pea	02.02.2019	0	36	36	36
8		Scientific cultivation of Black gram (TSP 2015-16)	07.01.2019	0	26	26	26
9		Cultivation of Rabi Fodder crops	07.02.2019	27	0	27	27
10		Scientific cultivation Garden pea (TSP 2015-16)	23.02.2019	0	29	29	29
11		Relay cropping grass pea with winter rice	28.03.2018	0	25	25	25

12	Farmers Training	IPM on Boro paddy	07.03.2019	19	8	27	27
13		IPM in Sali paddy	08.03.2019	17	11	28	28
14		Certified seed production of Sali paddy	08.06.2018 to 1513.06.2018	0	27	27	27
15		Certified seed production of Sali paddy	25.06.2018 to 29.06.2018	11	21	32	32
16		Scientific cultivation practices of Lathyruss	20.12.2018	0	28	28	28
17		Improved production technology of maize	24.01.2019	0	25	25	25
18		Scientific management practices for enhancement of productivity in winter vegetables	08.02.2019	1	25	26	25
19		Scientific cultivation practices of maize	09.03.2019	0	24	24	24
20		Scientific cultivation of Sali paddy	31.05.2018	0	20	20	20
21		Scientific cultivation of Sesamum	20.08.2018	0	25	25	25
22		Scientific cultivation of Sesamum	21.08.2018	4	28	32	32
23		Integrated nutrient management in Black gram'	28.08.2018	0	23	23	23
24		Integrated nutrient management in Black gram	30.08.2018	0	18	18	18
25		'Integrated nutrient management in Black gram	04.09.2018	0	27	27	27
26		'Integrated nutrient management in Black gram	05.09.2018	0	17	17	17

27		'Integrated nutrient management in Black gram	06.09.2018	14	0	17	14
28		Integrated Nutrient Management in Green gram	04.09.2018	0	27	27	27
29		Integrated Nutrient Management in Green gram	05.09.2018	0	16	16	16
30		Relay cropping of grass pea (Lathyrus) with winter rice	14.12.2018	0	26	26	26
31		Integrated Nutrient Management in Lentil	15.12.2018	22	2	24	24
32		Scientific cultivation of Toria	28.12.2018	32	0	32	32
33		Method demonstration on line transplanting of Sali paddy	18.7.2018	3	14	17	17
34		Method demonstration on line transplanting of Sali paddy	19.07.2018	0	20	20	20
35		Farmer scientist interaction on Rabi crops	21.12.2018	0	33	33	33
Total				**190**	**742**	**932**	**932**

e. Details of FLD on Enterprises

(i) Farm Implements: Nil

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

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

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

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

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

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

e. Details of FLD on Enterprises

(i) Farm Implements: Nil

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

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC **	GR **	NR **	BCR **	GC	GR	NR	BCR	
1	Fodder	Fodder production & quality enhancement	Oat var. JHO-822	10	-	**0.52 ha**	**Fodder production-271 qtl/ha**	-	-	-	-	**21300**	**42900**	**21600**	**2.02**	-	-	-	-	No local check, no local variety is cultivated

2	Fodder	Fodder production & quality enhancement	Napier	7	-	0.75 ha	Programme is in progress (Started in August, 2018, till date from 4 cuts total fodder production- 42 t/ha.)
3	Fodder	Fodder production & quality enhancement	Seteria	9		0.75	Programme is in progress (Started in August, 2018, till date from 4 cuts total fodder production- 43 t/ha.)
4	Poultry	Meat and egg production	Breed - *Kamrupa*	30	29 units	290 chicks	Programme is in progress (Started in January, 2019, till date at 3 months age average body weight recoded- 925 g/bird)

5	Poultry	Meat and egg production	Breed - *Rainbow roaster*	15	15 units	200 chicks

Parameters	Demo.	Check	%changes in para	Demo. (Egg prod./meat prod.)				Check			
				GC	GR	NR	B:C	GC	GR	NR	B:C
Annual Egg production	180 nos.	70 nos.	157 % increased	605/135	1800/425	1195/290	2.98/3.15	310/80	700/200	390/120	2.25/2.50
Egg weight	52 gm	43 gm	21 % increased								
Mature hen weight	2.0 kg	1.6 kg	25.00 % increased								
Age at the point of lay egg	190 days	250 days	24 % decreased								

6 Dairy | Milk production and reproductive performance | Mineral supplementation- AAU VET MIN | 6 | 18 cows

Parameters	Demo.	Check	%changes in para	Demo. (Egg prod./meat prod.)				Check			
				GC	GR	NR	B:C	GC	GR	NR	B:C
Av. Milk prod. Perc ow/ day	4.10 l	3.50 l	17 % increased	53.00	246.00	193.00	4.64	**50**	**210**	**160**	**4.20**

7 Piggery | Breed improvement | Pig breed - Ghungroo cross | 3 | 9 pigs

Programme is in progress (Started in March, 2019, animals are in growing stage.)

8 Poultry | Breed introduction | Chicken breed - Vanraja | 64 | 800 chicks

Programme is in progress (Started in March, 2019, birds are in growing stage.)

9 Duckery | Breed introduction | Duck breed - Charra | 25 | 500 ducklings

Programme is in progress (Started in March, 2019, ducks are in growing stage.)

			chembali			
10	Poultry (TSP 2015-16)	Meat and egg production	Breed - Rainbow Rooster	40	880 nos.	Programme is in progress (Started in October, 2018, birds started laying eggs)
11	Goatery (TSP-2015-16)	Meat Production	Breed - Assam Local	10	88 nos.	Programme is in progress (Started in October-November, 2018, Goats are in growing stage and some are pregnant)
12	Pig (TSP 2015-16)	Meat and breeding purpose	Ghungroo crosses	20	66 nos.	Programme is in progress (Started in October-November, 2018, Pigs are in growing stage and some are pregnant, some furrowed piglets)
13	Poultry (TSP 2016-17)	Meat and egg production	Breed - Rainbow Rooster	45	450 nos.	Programme is in progress (Started in October, 2018, birds started laying eggs)
14	Goatery (TSP-2016-17)	Meat Production	Breed - Assam	10	44 nos.	Programme is in progress (Started in October-November, 2018, Goats are in growing stage and some are pregnant)

			Local				
15	Pig (TSP 2015-16)	Meat and breeding purpose	Ghungroo crosses	20		66 piglets	Programme is in progress (Started in October-November, 2018, Pigs are in growing stage and some are pregnant, some furrowed piglets)

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

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

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

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

(iii) Fisheries: Nil

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

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise	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	Small Scale income generating enterprises	Low cost vermicompost Production technology	8	8	Compost yield: 6.0 q/ unit/ harvest	Nil	-	No. of earthworm increase : 2.5 - 3 times/ unit/ harvest	-	3500 / unit	8475.00	4975.00	2.42	Newly introduced	Results are based on one time harvest
2	Kitchen Garden	Value addition	Establishment of Nutritional Security through small scale Kitchen Garden	10	10	From the demonstrated area average fresh yield of French bean 16.2 kg, Lai 5.0 kg, Radish 6 kg and 9.0 kg leafy vegetable were harvested from each unit. The yield of cucumber was recorded 24 kg, tomato 11 kg and harvesting is being continued in regular interval. The vegetables produced in the kitchen garden were consumed by the family members which may add to their nutritional security.									
3	Maize sheller	Drudgery reduction	Referred below	15	15	Implement used: Tubular maize Sheller Source of Technology: ICAR, Umiam Results: Yield(Kg)/Hour : 4.3kg/hour (using tubular Maize Sheller) : 1.4 kg/hour (hand/manual) Ease of operation : Very easy to operate, less fatigue compared to hand/manual operation reported by									
	Technology demonstrated: Demonstration on use of tubular maize sheller for drudgery reduction and increase														

<table>
<tr><td></td><td colspan="5">of efficiency of farm women</td><td colspan="7">the participants

Degree of acceptance : All the 15 no. participants have shown keen interest as the implement is easy to handle, simple and alleviates tiredness.</td></tr>
<tr><td>4</td><td>Mushroom</td><td>Small Scal income generating enterprises</td><td>Scientific cultivation of oyster mushroom</td><td>20</td><td>20</td><td><table><tr><td>Month</td><td>Yield/ kg / bed</td></tr><tr><td>October</td><td>1.45</td></tr><tr><td>November</td><td>1.50</td></tr><tr><td>December</td><td>1.75</td></tr><tr><td>January</td><td>2.00</td></tr><tr><td>February</td><td>2.30</td></tr><tr><td>March</td><td>1.75</td></tr></table></td><td>58.00</td><td>300.00</td><td>242</td><td>5.17</td><td>Local check not available</td></tr>
<tr><td>5</td><td>Fishery</td><td>Pond management</td><td>Performance of integrated duck (dual purpose) cum fish cum horticulture farming</td><td>2</td><td>2</td><td colspan="7">In progress/ Ongoing stage</td></tr>
</table>

6	Fishery	Pond manag ement	Demon stration of Jainti rohu in compo site fish culture	2	2	In progress/ Ongoing stage
7	Apicult ure (Under Agro-forestry compon ent of TSP Project)	Small Scal incom e genera ting enterp rises	Demon stration on Apicult ure	15	15	Programme is in progress

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

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

(v) Farm Implements and Machinery: Nil

f. Performance of FLD on Crop Hybrids Nil

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

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

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

3.3. Achievements on Training

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

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

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Integrated Crop Management	25	0	25	111	0	62	0	173	0	282	0	163	0	445	0	405	0	213	0	618	0	618
Total	**25**	**0**	**25**	**111**	**0**	**62**	**0**	**173**	**0**	**282**	**0**	**163**	**0**	**445**	**0**	**405**	**0**	**213**	**0**	**618**	**0**	**618**

II. Horticulture: Nil																					
a) Vegetable Crops																					
b) Fruits																					
c) Ornamental Plants																					
d) Plantation crops																					
e) Tuber crops																					
f) Spices																					
g) Medicinal and Aromatic Plants																					
III. Soil Health and Fertility Management																					
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	2	0	2	18	0	10	0	28	0	5	0	19	0	24	0	23	0	29	0	52	0	52
Azolla production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs/ vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2**	**0**	**2**	**18**	**0**	**10**	**0**	**28**	**0**	**5**	**0**	**19**	**0**	**24**	**0**	**23**	**0**	**29**	**0**	**52**	**0**	**52**
IV. Livestock Production and Management																					
Poultry Management	2	0	2	2	0	22	0	24	0	21	0	10	0	31	0	23	0	32	0	55	0	55

Piggery Management	5	0	5	0	0	41	0	41	0	68	0	48	0	116	0	68	0	89	0	157	0	157
Goattery management	1	0	1	0	0	0	0	0	0	22	0	12	0	34	0	22	0	12	0	34	0	34
Livestock management	2	0	2	10	0	4	0	14	0	30	0	4	0	34	0	40	0	8	0	48	0	48
Value addition	2	0	2	14	0	10	0	24	0	0	0	21	0	21	0	14	0	31	0	45	0	45
Total	**12**	**0**	**12**	**26**	**0**	**77**	**0**	**103**	**0**	**141**	**0**	**95**	**0**	**236**	**0**	**167**	**0**	**172**	**0**	**339**	**0**	**339**
V. Fisheries Science																					
Pond management	2	0	2	11	0	15	0	26	0	26	0	0	0	26	0	37	0	15	0	52	0	52
Integrated Fish Farming	2	0	2	19	0	6	0	25	0	15	0	10	0	25	0	34	0	16	0	50	0	50
Fish seed production	2	0	2	10	0	5	0	15	0	26	0	11	0	37	0	36	0	16	0	52	0	52
Total	**6**	**0**	**6**	**40**	**0**	**26**	**0**	**66**	**0**	**67**	**0**	**21**	**0**	**88**	**0**	**107**	**0**	**47**	**0**	**154**	**0**	**154**
VI. Home Science/Women empowerment																					
Rural Craft	1	0	1	0	0	18	0	18	0	0	0	11	0	11	0	0	0	29	0	29	0	29
Income generation activities for empowerment of rural Women	1	0	1	0	0	0	0	0	0	0	0	26	0	26	0	0	0	26	0	26	0	26
Women and child care	2	0	2	0	0	32	0	32	0	0	0	23	0	23	0	32	0	23	0	55	0	55

Consumer education	1	0	1	0	0	18	0	18	0	0	0	8	0	8	0	0	0	26	0	26	0	26
Value addition	4	0	4	0	0	36	0	36	0	0	0	52	0	52	0	0	0	88	0	88	0	88
Total	**9**	**0**	**9**	**0**	**0**	**104**	**0**	**104**	**0**	**0**	**0**	**120**	**0**	**120**	**0**	**32**	**0**	**192**	**0**	**224**	**0**	**224**
VII. Agril. Engineering: Nil																						
VIII. Plant Protection																						
Integrated Pest Management	3	0	3	32	0	14	0	46	0	18	0	16	0	34	0	50	0	33	0	83	0	83
Mushroom Production	1	0	1	0	0	23	0	23	0	0	0	2	0	2	0	25	0	0	0	25	0	25
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-harvest management	1	0	1	20	0	0	0	20	0	0	0	5	0	5	0	20	0	5	0	25	0	25
Total	**5**	**0**	**5**	**52**	**0**	**37**	**0**	**89**	**0**	**18**	**0**	**23**	**0**	**41**	**0**	**95**	**0**	**38**	**0**	**133**	**0**	**133**
IX Production of Inputs at site: Nil																						
X Capacity Building and Group Dynamics																						
XI. Agro-forestry: Nil																						
XII. Sericulture: Nil																						
XIII. Information and Communication Technology																						
Grand Total	**59**	**0**	**59**	**247**	**0**	**316**	**0**	**563**	**0**	**513**	**0**	**441**	**0**	**954**	**0**	**760**	**0**	**757**	**0**	**1517**	**0**	**1517**

B) RRAL YOUTH

3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes: Nil

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

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
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	

INM	2	0	2	18	0	10	0	28	0	0	0	0	0	0	0	18	0	10	0	28	0	28
IFS	1	0	1	0	0	0	0	0	0	23	0	2	0	25	0	23	0	2	0	25	0	25
Value addition	4	0	4	14	0	36	0	50	0	0	0	46	0	46	0	14	0	82	0	96	0	96
Pond management	2	0	2	19	0	6	0	25	0	15	0	10	0	25	0	34	0	16	0	50	0	50
Certified seed production	2	0	2	9	0	2	0	11	0	36	0	12	0	48	0	45	0	4	0	59	0	59
Mushroom Production	1	0	1	0	0	23	0	23	0	0	0	2	0	2	0	25	0	0	0	25	0	25
TOTAL	**12**	**0**	**12**	**60**	**0**	**77**	**0**	**137**	**0**	**74**	**0**	**72**	**0**	**146**	**0**	**159**	**0**	**114**	**0**	**283**	**0**	**283**

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes: Nil

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

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
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Of	Sp	Off	S	Off	Sp	Off	Sp	Of	Sp	Off	Sp	O	Sp	Off	Sp	Off	Sp	

				f	Off *		p O ff *		Off *		Off *	f	Off *		Off *	ff	Off *		Off *		Off *	
Integrated Farming System	1	0	1	10	0	4	0	14	0	7	0	2	0	9	0	17	0	6	0	23	0	23
Food and Nutrition	1	0	1	0	0	19	0	19	0	0	0	11	0	11	0	0	0	30	0	30	0	30
Women and Child care	1	0	1	0	0	13	0	13	0	0	0	12	0	25	0	0	0	25	0	25	0	25
TOTAL	**3**	**0**	**3**	**10**	**0**	**36**	**0**	**46**	**0**	**7**	**0**	**25**	**0**	**45**	**0**	**17**	**0**	**61**	**0**	**78**	**0**	**78**

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

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

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T

						Personnel)									
PBG	ICM	Scientific cultivation of Sali paddy	31.05.2018	1	Kasutoli	**Farmer & Farm women**	0	0	0	15	5	20	15	5	20
PBG	ICM	Scientific cultivation of Sesame	20.08.2018	1	Kolioni	**Farmer & Farm women**	0	0	0	25	0	25	25	0	25
PBG	ICM	Scientific cultivation of Sesame	21.08.2018	1	Oiramghat	**Farmer & Farm women**	2	2	4	20	8	28	22	10	32
PBG	ICM	Integrated nutrient management in Black gram	28.08.2018	1	Simenmukh (Kasinath chapori)	**Farmer & Farm women**	0	0	0	22	1	23	22	1	23
PBG	ICM	Integrated nutrient management in Black gram	30.08.2018	1	Kasutoli	**Farmer & Farm women**	0	0	0	16	3	19	16	3	19
PBG	ICM	Integrated nutrient management in Black gram	04.09.2018	1	Rekhachapori	**Farmer & Farm women**	0	0	0	22	5	27	22	5	27
PBG	ICM	Integrated nutrient management in	05.09.2018	1	Oiramghat	**Farmer & Farm women**	0	0	0	11	6	17	11	6	17

		Black gram													
PBG	ICM	Integrated nutrient management in Black gram	06.09.2018	1	Sumoni	**Farmer & Farm women**	7	7	14	0	0	0	7	7	14
PBG	ICM	Integrated nutrient management in Green gram	04.09.2018	1	Rekhachapori	**Farmer & Farm women**	0	0	0	22	5	27	22	5	27
PBG	ICM	Integrated nutrient management in Green gram	05.09.2018	1	Oiramghat	**Farmer & Farm women**	0	0	0	11	5	16	11	5	16
PBG	ICM	Relay cropping of grass pea (Lathyrus) with winter rice	14.12.2018	1	Muktiar Hajong Gaon	**Farmer & Farm women**	0	0	0	16	10	26	16	10	26
PBG	ICM	Integrated nutrient management in Lentil	15.12.2018	1	Sagolikata	**Farmer & Farm women**	22	0	22	2	0	2	24	0	24
PBG	ICM	Scientific cultivation of Toria	21.12.2018	1	Kamargaon	**Farmer & Farm women**	23	9	32	1	0	1	24	9	33
PBG	ICM	Scientific	20.12.2018	1	Simenmuk	**Farmer &**	0	0	0	0	28	28	0	28	28

		cultivation practices of Lathyruss			h	**Farm women**									
PBG	ICM	Scientific management practices for ratoon and new crops of sugarcane	31.012.2018	1	Rekhachapori	**Farmer & Farm women**	0	0	0	20	6	26	20	6	26
PBG	ICM	Improved production technology of maize	24.01.2019	1	Jariguri, Akajan	**Farmer & Farm women**	0	0	0	1	25	26	1	25	26
PBG	ICM	Scientific cultivation practices of groundnut	06.02.2019	1	Samarajan	**Farmer & Farm women**	14	2	16	8	5	13	22	7	29
PBG	ICM	Scientific management practices for enhancement of productivity in winter vegetables	08.02.2019	1	Mithun pathar	**Farmer & Farm women**	1	0	1	12	13	25	25	1	26
PBG	ICM	Scientific cultivation practices of	09.03.2019	1	Magurmari	**Farmer & Farm women**	0	0	0	14	10	24	14	10	24

		maize													
PBG	ICM	Scientific cultivation practices of maize	12.03.2019	1	Simolugur i	**Farmer & Farm women**	11	15	26	0	0	0	11	15	26
PBG	ICM	Scientific cultivation practices of Ahu paddy	13.03.2019	1	No.-1 Bejguri	**Farmer & Farm women**	7	18	25	0	0	0	7	18	25
PBG	ICM	Scientific method of Jute cultivation	22.03.2019	1	Mukhtiar	**Farmer & Farm women**	15	3	18	8	0	8	23	3	26
PBG	ICM	Scientific cultivation practices of Ahu paddy	23.03.2019	1	Sripani	**Farmer & Farm women**	0	4	4	0	16	16	0	20	20
Animal Science	Piggery manage ment	Scientific pig rearing	24.05.2018	1	Lakhipur	**Farmer & Farm women**	0	0	0	12	23	35	12	23	35
Animal Science	Goaterry manage ment	Scientific management of Goats	07.06.2018	1	Sonapur simenchap ori	**Farmer & Farm women**	0	0	0	22	12	34	22	12	34
Animal Science	Poultry manage ment	Scientific management of poultry	21.09.2018	1	Santipur Jengrai	**Farmer & Farm women**	0	0	0	21	9	30	21	9	30

Animal Science	Piggery management	Scientific management of pig	05.10.2018	1	Barbam Deori	**Farmer & Farm women**	0	0	0	40	12	52	40	12	52
Animal Science	Poultry management	Care and management of poultry	10.08.2018-11.08.2018	2	Mathadang	**Farmer & Farm women**	02	22	24	0	01	01	02	23	25
Animal Science	Piggery management	Care and management of pig	17.08.2018-18.08.2018	2	Malinipur	**Farmer & Farm women**	0	21	21	0	0	0	0	21	21
Animal Science	Piggery management	Care and management of pigs	03.12.2018	1	Simalugur i, Sripani	**Farmer & Farm women**	0	0	0	16	13	29	16	13	29
Animal Science	Piggery management	Care and management of pigs	09.02.2019	1	Chowkha mting	**Farmer & Farm women**	0	20	20	0	0	0	0	20	20
Animal Science	Livestoc k manage ment	Livestock based Integrated Farming System	09.03.2019	1	DVO office	**Farmer & Farm women**	10	4	14	7	2	9	17	6	23
Fisheries Science	Pond manage ment	Fish pond management and health care	18.12.2018	1	Silasuti	**Farmer & Farm women**	0	0	0	26	0	26	26	0	26
Fisheries Science	Pond manage ment	Fish pond management and health care	19.12.2018	1	Japaragao n	**Farmer & Farm women**	11	15	26	0	0	0	11	15	26

Fisheries Science	IFF	Integrated fish farming	28.12.2018-29.12.2018	2	Sripani, Mathadang	**Rural youth**	19	6	25	0	0	0	19	6	25
Fisheries Science	IFF	Integrated fish farming	24.01.2019-25.01.2019	2	Digholi	**Farmer & Farm women**	0	0	0	15	10	25	15	10	25
Fisheries Science	Fish seed production	Fish seed production technology	07.02.2019	1	Dimow, Santipur	**Farmer & Rural youth**	0	0	0	16	11	27	16	11	27
Fisheries Science	Fish seed production	Fish seed production and nursery pond management technology	25.03.2019-26.03.2019	2	DFDO, Dhemaji	**Farmer & Farm women**	10	5	15	10	0	10	20	5	25
Plant protection		IPM on Sali paddy	07.03.2019	1	Simenmukh	**Farmer & Farm women**	13	06	19	05	03	08	18	09	27
Plant protection		IPM on Boro paddy	08.03.2019	1	Bordoloni	**Farmer & Farm women**	09	08	17	03	08	11	12	19	31
Plant protection		IPM on Boro paddy	17.03.2019	1	Sikari	**Farmer & Farm women**	10	0	10	10	5	15	20	5	25
Plant protection		Post-harvest management and marketing of Oyster mushroom	28.03.019-29.03.2019	1	Silapathar	**Farmer & Farm women**	20	0	20	0	5	5	20	5	25

Community Science		Agro based income generating activities for farm women	09.07.2018-10.07.2018	2	Jonai	**Farmer & Farm women**	0	0	0	0	26	26	0	26	26
Community Science		Infant and Child nutrition	04.08.2018-05.08.2018	2	Silapathar	**Farmer & Farm women**	0	19	19	0	11	11	0	30	30
Community Science		Good practices in child care	06.03.2019	1	Majgaon	**Farmer & Farm women**	0	13	13	0	12	25	0	25	25
Community Science		Importance of Consumer education and its basics	08.03.2019	1	Simencha pori	**Farmer & Farm women**	0	18	18	0	8	8	0	26	26
Community Science		Post-harvest processing of Oyster mushroom	18.03.2019	1	Akajan	**Farm women**	0	4	4	0	18	18	0	22	22
Community Science		Preparation of fruit juice squash and jam	26.03.2019-27.03.2019	1	Dimow	**Farm women**	0	8	8	0	16	16	0	24	24
Community Science		Post-harvest processing of turmeric and ginger	28.03.2019-29.03.2019	1	Santipur	**Farm women**	0	16	16	0	4	4	0	20	20

Total							**206**	**245**	**451**	**449**	**360**	**822**	**667**	**596**	**1263**

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	

Sali Paddy	08.06.2018 - 13.06.2018	5	Certified seed production	Certified seed production of Sali paddy	0	0	0	21	06	27	21	06	27	Certified seed production	2	Self employed		
Sali Paddy	25.06.2018 - 29.06.2018	5	Certified seed production	Certified seed production of Sali paddy	09	02	11	15	06	21	24	8	32	Certified seed production	2	Self employed		
INM	02.07.2018 - 06.07.2018	5	INM	Integrated Nutrient Management Practices in reference to soil status of Dhemaji District	0	0	0	05	19	24	05	19	24	Integrated nutrient management		Self employed		
INM	16.07.2018 - 20.07.2018	5	INM	Integrated Nutrient Management Practices in reference	18	10	28	0	0	0	18	10	28	Integrated nutrient management		Self employed		

				to soil status of Dhemaji District														
Milk and Milk product	05.09.2018 - 10.09.2018	5	Value addition	Preparation of value added milk & milk products	14	10	24	0	0	0	14	10	24	Value addition		Self employed		
IFS	19.11.2018 - 23.11.2019	5	IFS	Livestock based Integrated Farming System	0	0	0	23	2	25	23	2	25	IFS		Self employed		
Milk and Milk product	01.03.2019 - 05.03.2019	5	Value addition	Preparation of value added milk and milk products	0	0	0	0	21	21	0	21	21	Value addition		Self employed		
Mushroom				Scientific cultivation of Oyster mushroom	0	23	23	0	2	2	25	0	25			Self employed		

Textile	19.02.2019 - 23.02.2019	5	Value addition	Vocational training on Textile dying	0	18	18	0	11	11	0	29	29	Value addition		Self employed		
Pickle production	09.03.2019 - 13.03.2019	5	Value addition	Commercial production of pickle using locally available fruits and vegetables	0	8	8	0	14	14	0	22	22	Food preservation		Self employed		
Total					**41**	**71**	**112**	**64**	**81**	**145**	**130**	**127**	**257**					

*training title should specify the major technology /skill transferred

Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2018-19

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants			
					General (1)	SC/ST (2)	Extension Officials (3)	Grand Total (1+2)

					M	F	T	M	F	T	M	F	T	M	F	T
1.	Advisory services	-	-	324												324
2.	Diagnostic visit	-	-	96												96
3.	Field day	Demonstration on Scientific cultivation of submergence tolerant Sali rice variety Bahadur sub 1 in lowland areas of Dhemaji district	22.11.2018	8	0	0	0	27	17	34	0	0	0	27	17	34
		FLD on performance of Bayers hybrid paddy	23.11.2018		29	11	40	0	0	0	0	0	0	29	11	40
		Demonstration on Scientific cultivation of submergence tolerant Sali rice variety Bahadur sub 1 in lowland areas of Dhemaji district	26.11.2018		0	0	0	23	28	51	0	0	0	23	28	51
		Cultivation of Rabi Fodder crops	13.12.2018		0	0	0	11	16	27	0	0	0	11	16	27
		Scientific cultivation of Toria	30.01.2019		0	0	0	16	9	25	0	0	0	16	9	25
		INM in Toria	01.02.2019		0	0	0	4	34	38	0	0	0	4	34	38
		INM in Pea	02.02.2019		5	13	18	30	4	34	0	0	0	35	17	52
		Relay cropping grass pea with	28.03.2019		1	10	11	18	2	20	0	0	0	19	12	31

		winter rice														
4.	Film show	Web casting of Hon'ble PM's interaction with farmers Webcasting of Hon'ble PM's interaction with women farmers Inaugural programme of Pradhan Mantri Kisan Samman Nidhi	20.06.2018, 11.07.2018, 24.02.2019	3	196	13	209	182	163	345	10	8	18	378	176	554
5.	Scientists visit to farmers fields	-	-	115												115
6.	Animal Health camp	Animal health camp in post flood situation in Dhemaji	27.10.2018	2	0	0	0	36	3	39	0	0	0	36	3	39
		Animal health camp in post flood situation in Dhemaji	01.02.2018		0	0	0	23	6	29	0	0	0	23	6	29
7.	Farmers seminar/ workshop	Agricultural workshop on petroleum product conservation	20/11/2018	1	12	4	16	12	2	14	0	0	0	24	6	30
8.	Method demonstration	Method Demonstration on line transplanting of Sali Paddy	17/7/2018	2	2	2	4	5	8	13	0	0	0	7	10	17
		Method Demonstration on Line transplanting of Sali Paddy	19/7/2018		0	0	0	8	12	20	0	0	0	8	12	20
9.	Celebration	Celebration of Foundation Day	01/04/2018	12	11	2	13	40	17	57	0	0	0	51	19	70

	of important days	Of Assam Agriculture University														
		Celebration Of the World Environment Day	05/06/2018		4	5	9	5	41	46	0	0	0	9	46	55
		Celebration Of International YOGA DAY,2018	21/6/2018		0	0	0	5	5	10	0	0	0	5	5	10
		National Nutrition Week, 2018	29/9/2018		15	37	52	0	0	0	0	0	0	15	37	52
		Gandhi Jayanti & Swatchta Hi Seva	02/10/2018		0	4	4	0	66	66	0	0	0	0	70	70
		World Animal Day, 2018	4/10/2018		1	1	2	23	5	28	0	0	0	24	6	30
		Mahila Kisan Divas	15/10/2018		0	0	0	0	49	49	0	0	0	0	49	49
		Celebration of The World Food Day, 2018	16/10/2018		6	1	7	32	5	37	0	0	0	38	6	44
		Celebration of World Fisheries Day, 2018	21/11/2018		2	0	2	26	3	29	0	0	0	28	3	31
		Celebration of Kisan Diwas	23/12/2018		32	7	39	2	0	2	0	0	0	34	7	41
		Celebration of International Womens' Day	08/03/2019		0	25	25	0	10	10	0	0	0	0	35	35
		Celebration of World Sparrow Day,2019	20/03/2019		0	0	0	48	45	93	0	0	0	48	45	93
10.	Exposure	Exposure visit to Pragati Meen Beej Farm, Chauldhua Bali	25.03.2018	2	10	0	10	10	5	15	0	0	0	20	5	25

	visits	Gaon, Gogamukh														
		Exposure visit to RARS, North Lakhimpur and KVK Dhemaji	18.02.2019		0	0	0	0	0	0	0	27	27	0	27	
11.	Awareness programme	Awareness cum A.H.C under Post Flood situation of Dhemaji district	1/12/2018	4	0	0	0	23	6	29	0	0	0	23	6	29
		Awareness camp on Swarming Caterpillar Infested Rice Field at Silabali	24/8/2018		1	0	1	8	1	9	0	0	0	9	1	10
		Awareness & Celebration of World Soil Day,2018	6/12/2018		0	0	0	38	15	53	0	0	0	38	15	53
		Awareness cum Animal Health camp under Post Flood situation of Dhemaji District	27/10/2018		0	0	0	36	3	39	0	0	0	36	3	39
12.	Electronic media (CD/DVD)	Web casting of Hon'ble PM's interaction with farmers Webcasting of Hon'ble PM's interaction with women farmers Inaugural programme of Pradhan Mantri Kisan Samman Nidhi	20.06.2018, 11.07.2018, 24.02.2019	3	196	13	209	182	163	345	10	8	18	378	176	554
13.	Newspaper coverage	-	-	9	-	-	-	-	-	-	-	-	-	-	-	9

14.	Lecture delivered as resource person	-	-	7	-	-	-	-	-	-	-	-	-	-	-	415
15.	Farmer-Scientist interaction	FSI on Doubling Farmer's Income at Nilakh Tarani Pathar	05/8/2018	3	30	32	62	0	0	0	0	0	0	30	32	62
		FSI on Programme on Rabi Crops at Jalakiasuti	21/12/2018		0	0	0	17	16	33	0	0	0	17	16	33
		FSI on scientific fish farming at Patiri	24/12/2018		0	0	0	20	13	33	0	0	0	20	13	33
16.	PM Flagship programme	Web casting of Hon'ble PM's interaction with farmers	20.06.2018	7	1	0	1	71	101	172	0	0	0	72	101	173
		Webcasting of Hon'ble Prime Minister's interaction with the Women Farmer's	12/7/2018		0	2	2	1	36	37	0	0	0	1	38	39
		Swatch He Sewa	15/9/2018		8	14	22	16	19	35	0	0	0	24	33	57
		Swatch He Sewa	18/9/2018		0	0	0	18	14	32	0	0	0	18	14	32
		Swatch He Sewa	27/9/2018		0	0	0	7	7	14	0	0	0	7	7	14
		Swatch He Sewa	02/10/2018		0	4	4	0	66	66	0	0	0	0	70	70
		Inaugural programme of Pradhan Mantri Kisan Samman Nidhi	24.02.2019		193	13	206	110	12	122	0	0	0	303	25	328
					2910	**1140**	**4050**	**3680**	**1121**	**4801**	**17**	**2**	**199**	**5740**	**2111**	**9354**

Grand Total									**5**	**4**				

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

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

Date of start: **1st April 2017 to 31st March 2018**

Periodicity: **1 year**

No. of copies: **250 nos.**

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers	Productive and reproductive performances of Vanaraja birds reared by tribal community of Dhemaji district of Assam. Journal of KVK, Vol. 6. Issue-1: 162-165	Ashim Kumar Saikia, Gunjan Gogoi and M. Neog	-
Research Abstract published in meeting proceedings	Potential, prospects and strategies for doubling farmers'income: Multi-stakeholder convergence	Binita Konwar, Gunjan Gogoi, M. Neog and H.C. Bhattacharyya	
	Comparative productive and reproductive performancesof improved chicken varieties reared by tribal community of Dhemaji district of Assam	Ashim Kumar Saikia, Gunjan Gogoi, M. Neog and H.C. Bhattacharyya	
Technical bulletins	a. Improved cultivation practices of blackgram b. Improved cultivation practices of lentil	Ms. Bibha Ozah, Mr. Gunjan Gogoi Mr. Jamini Kumar Dutta, Mr. Gunjan Gogoi Mrs. Binita Konwar Mr. Gunjan	400

	c. Improved cultivation practices of field pea d. Fish duck based Integrated Farming System	Gogoi Dr. Ashim Kumar Saikia, Mr. Gunjan Gogoi	
Newsletter	a. KVK Newsletter (6th edition)	Editor: Mr. Gunjan Gogoi Joint Editor: Mrs. Yater Das Members: Mrs. Bibha Ozah Dr. Ashim Kumar Saikia Mrs. Binita Konwar Mr. Monuranjan Gogoi Mr. Jamini Kumar Dutta	250
Conference/ workshop proceedings	a. Annual Zonal Workshop of KVKs under Zone III b. Workshop on Doubling farmers income c. National workshop on empowering farmers of tribal areas d. Workshop on Cluster CFLD e. National workshop cum seminar on 'Agriculture for nutrition' f. Review Workshop on Cluster Front line demonstrations g. Action plan for Doubling farmers income by 2022 h. Mobilization workshop cum seminar Doubling farmers income i. PPVFR workshop cum Exhibition j. 3rd International Agri- Horti show, 2018 k. CFLD workshop on NMOOP l. CFLD workshop on NFSM		

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

(C) Details of Electronic Media Produced : Nil

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

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 of Mr. Dhaneswar Basumatary

Situation analysis/Problem statement:

Mr. Dhaneswar Basumatary a hard working progressive farmer from 4 no. Balipara, Simen Chapori and actively engaged in the different activities of agriculture, horticulture, livestock (poultry, goatery & piggery) and fishery. Mr. Basumatary is a progressive farmer with holding of 6.13ha cultivable area and 2.13ha area as homestead garden. At present, he has 15 numbers of pigs, 6 numbers of goat and 40 numbers of poultry of improved breed. Before coming contact with the KVK Dhemaji Mr. Basumatary was only a traditional farmer who was unaware about modern agricultural technology. His annual income was only Rs. 1,00,000.00 per annum due to lack of knowledge on resource utilization. Mr. Basumatary is an early adopter of the technology with progressive mindset.

Plan, Implement and Support:

Being interested in farming activities he came in contact with KVK, Dhemaji in 2014 through TSP programme on Boro paddy cultivation. Since then he has been constantly taking guidance in different aspect related to agriculture and other allied farming activities. Mr. Basumatary was also selected for different demonstration programme such as Toria variery TS-38 and Scientific goat rearing. Through KVK, Dhemaji he was also got the chance to participated in training on 'Commercial production of planting materials of major fruit crops of Assam' under STRY sponsored by Ministry of Agriculture, GOI. He has participated in different training programme, exposure visit conducted by KVK, Dhemaji through which he got the chance to interact with scientists and other progressive farmers. At present his homestead garden (2.13ha) is full of different crops and life stocks where he used to grow pumkin in 1 ha, three species of apple ber in 0.67 ha, other seasonal vegetable, poultry unit, piggery unit, goatery unit and fishery unit of 0.13 ha area.

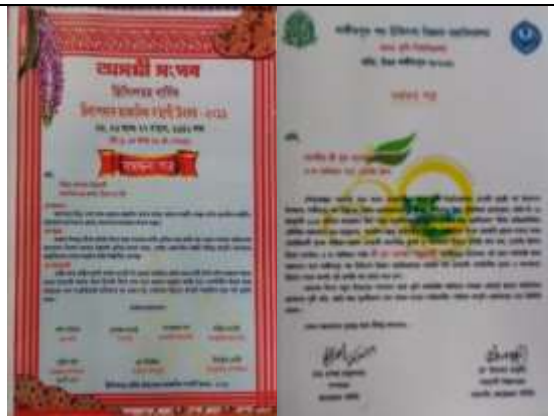
Output:

Mr. Basumatary from his experience in different training and exposure visit he decided to grow Pumkin early summer during 2018-19 from where he able to harvest 25,000 nos. of pumkin from 1 ha land and earned Rs.3,50,000.00 net profit. From apple ber cultivation he could earn Rs. 2,10,000.00 during 2018-19. Ealier he used to bring his produce for sale at different market points but now vendors directly comes to his field for purchasing his produce. Mr. Basumatary also able to sold pig and piglets from where he earned around Rs.45,000.00 annually. From poultry rearing his annual income is Rs.22,000.00. Last year he could also produce 40q paddy adopting HYV (Ranjit and Bahadur) surplus production from which he earned Rs.56,000.00/ q. During 2018-19, he also cultivated toria variety TS-38, from which his net income was Rs.15,000.00. Potato was another crop he grown in 0.26ha area and able to sold 18q in local market and got income of Rs.25,200.00. Thus his annual net income during 2018-19, income goes up to Rs.6,98,500.00.

Outcome:

Mr. Basumatary is now a successful farmer and running his family with high social status. He can now take decision to according to his farm situation and market potential. This year he is taking step to produce certified seed of paddy variety Bahadur Sub 1 and Ranjit Sub 1 with technical guidence of KVK Dhemaji. He already established his homestead garden with different fruits crop such as apple

ber, litchi, assam lemon etc. His farm activities become model for others and many farmers of nearby area visited his farm.

<table>
<tr><th colspan="2">Photographs of Mr. Dhaneswar Basumatary</th></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Apple ber garden of Mr. Basumatary</td><td>Part of harvest of pumpkin</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Piggery unit</td><td>Piglet production</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Goat farm</td><td>Honoured from different organization</td></tr>
</table>

<u>An unusual success story of a Lady Entrepreneur Mrs. Gopa Biswakarma through Dairy Farming</u>

Situation analysis:

Alongside agriculture livestock rearing is one of the major means of livelihood among the farming community of Dhemaji district. Piggery is the main way of livelihood practiced by the farmers of the district due to the advantages such as around 50 percent of the population of the district are tribal people, almost 80-90% of the population of the district consume pork, high demand of piglets and pork due their export potentiality to nearby district and Arunachal Pradesh. At the same time, the commercial dairy farming is in very primitive stage due to various reasons like non- availability of quality breeds of cow, fodders and feed items, less interest of the tribal people towards dairy farming as well as milk consumption though traditionally keeps desi cow. Due to numbers of campaign by KVK Dhemaji, Department of Veterinary and personal interest and efforts of the concerned persons very few farmers especially youths are coming forward in commercial dairy farming in the district in nearby town areas of Silapathar, Dhemaji and Gogamukh.

Mrs. Gopa Biswakarma is one of such up-coming dairy farmer from Jairampur locality of Bardalani Block of the district. She is only around 35 years old and already sets an example for others through her continuous and tireless effort in commercial dairy venture. Since long back her grandparents and parents have been involved in farming on traditional ways keeping 5-6 nos. of cows of local variety. Seeing all these, she had a dream of making a quality dairy farm with exotic cattle for production of milk on large scale commercial basis. She started her mission around 4 years back with 2 nos. of Holstein Frisian cows in a suitable location little away from her house and expanded yearly to the present stock of 16 nos. of lactating cows with around 120 litres of milk production per day. Mrs. Biswakarma came into contact with KVK, Dhemaji 3 years back and constantly taking guidance in different aspect related to dairy farming.

Plan, implement and support:

As in all cases, she felt that the feed was the major constraint in her farm. Krishi Vigyan Kendra suggested her for cultivation of good quality fodders and supported with supplying some planting materials of Napier grass and seeds of Oats during rabi season so that she can arrange available green fodder as well to increase her farm production. She took the opportunity with both the hands and improved and expanded her farm year after year. KVK also supported her with 'AAUVETMIN', the area specific mineral mixture developed by AAU under Frontline Demonstration (FLD) Programme to address the issue of mineral deficiency in feeds.

Output:

Mrs. Biswakarma already developed an infrastructure for rearing around 25 nos. lactating cows at a time in scientific ways. With her interest, hard work and dedication she has been maintain 16 nos. of Holstein Frisian lactating cows out of which 10 nos. always remain in milk throughout the year producing 100 liters of milk per day. At present her monthly turn out stands at around Rs.1,60,000.00 and during the last rabi season, by cultivating Oats fodder in 2 bighas land under demonstration programme of KVK, she was so happy and expressed his satisfaction with the comment like "Now I am getting an average 1000 ml more milk per cow per day after feeding oat grass". According to her, she is earning around Rs.25, 000.00 (Rupees twenty five thousand) only as additional amount monthly, only because availability of green fodder in the farm. At present, Mrs. Biswakarma's

problem of feeds and fodder few years back become a pleasant problem of marketing her produce (milk and its products) in the farm.

Outcome:

Mrs. Gopa Biswakarma really sets an example of self employment through farming in the district for hundreds of unemployed rural youth instead of waiting for government jobs. She might become a model farm woman for attracting and retaining rural youth in farming sector in the district and the state at large. Many farmers and youth from different parts of the district use to visit this farm under educational as well as exposure visit programme of different government organization as well as on personal level. This is also very proud moment for KVK Dhemaji that he always acknowledges the services receive from KVK and guidance for showing the path of success.

		
Oat grass at Mrs. Gopa's field	**Mrs. Gopa Biswakarma at her cow shed along with KVK personnel**	**Field Day Programme organized at Mrs. G. Biswakarma's fodder field**

Success story of Mr. Bhaben Saloi

Situation analysis:

Mr. Bhaben Saloi, an young energetic farmer resident of Nilokh Tarani Pathar village, the adopted village of KVK Dhemaji for doubling farmers income (DFI) by 2022 programme. Mr. Haloi is a marginal farmer with holding of 0.52ha cultivable area and 0.20ha area as homestead garden. He has 3 numbers of cattle, 2 numbers of pigs, 3numbers of goat and 10numbers of poultry of local breed. Before coming contact with the KVK Dhemaji his annual income was only Rs.48,100.00 per annum from the farming sector. Mr. Haloi is a early adopter of the technology with progressive mindset.

Plan, implement and support:

Looking at the interest of Mr. Bhaben Saloi KVK, Dhemaji included him in different training programme and conducted different FLD and OFT programme through which he came into contact with all the scientist of the Kendra. During 2018-19 he was selected for FLD on 'Year round production of Oyester Mushroom', 'backyard poultry rearing' and 'organic kitchen gardening'. He

was also selected for an OFT programme on 'improved pure breed pig- Ghungroo'. The required technical knowledge was imparted to him through different training programmes and field visit.

Bhut Jolokia is a high value chilli cultivated in backyard of Assamese family. Mr. Bhaben Haloi cultivated Bhoot chilli in 0.01ha area of his home stead garden under kitchen gardening. Mr. Haloi constructed a low cost mushroom house where 250 mushroom bed cam be adjusted by hanging method. He started mushroom cultivation from the month of September under the FLD programme. He reared 50 poultry of Kamrupa breed for both meat and egg production. Under a FLD programme he also cultivated hybrid rice in 0.13ha area. He collected seed of black rice and cultivated in 0.26ha area under the guidance of KVK. He engaged in rearing the pig og Ghungroo cross breed for meat and piglet production.

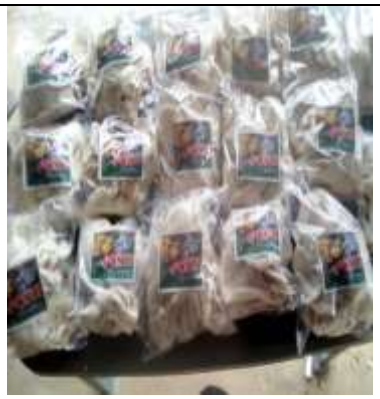
Output:

Mr. Saloi able to harvest 250kg oyster mushroom from his mushroom farm during 2018-19 and earned Rs.42,000.00 net profit. From backyard poultry rearing he could earn Rs.25,500.00 net income by selling eggs and meat. Mr. Haloi able to sold 6piglets @ Rs.2000.00 each and a pig of 65kg @ Rs.8500.00 and thus he earned Rs.2000.00 gross income with Rs.14,000.00 net income from pig raring. He sold Rs.220kg @Rs.60.00/kg and earned Rs.13200.00. he also could sale 10q paddy after maintaining 4 member family smoothly and earned Rs.12000.00. From his kitchen garden he could earn Rs.18,000.00 net income by selling Bhoot chili in local market up to March,2019. Thus during 2018-19, his annual net income goes up to Rs.1,34,700.00 with a gross income of Rs.1,60,000.00.

Outcome:

From the farm activities carried out during 2018-19, he is confident to run his family smoothly. He could reduce the expenditure to run his family as he produced his entire day to day requirements. He started to build a pacca house from his income. He started a scientific pig farm in small scale and planned to develop his mushroom farm. According to him market is available locally to sale the quality product and social media also help in getting market potential. Mr. Bhabel Haloi set an successful agri entrepreneur and become a model for others. Youth and farmers of his locality and other parts of the district visited his house to see his success.

Photographs of Mr. Bhaben Haloi	
	
Layout of kitchen garden	**Mr. harvesting Bhoot chilli**

	
Mr. Haloi harvesting Mushroom	**Packing & Marketing mushroom in a brand name 'Pusti'**
	
Piglet production in his farm	**Mr. Haloi engaged in Paddy cultivation**
	
Packing & Marketing black rice in a brand name 'Dhemaji'	**Visitors visited his house**

<u>Success Story of Sri Dimbeswar Hazarika</u>

Situation analysis/Problem statement:

Agriculture is the main sources of livelihood in Dhemaji district, in an around 85 percent populations are directly and indirectly dependent on agriculture. Now a days some of the cultivable sources of land are degradable due to high rate of population growth, climate change, unpredicted

flood during summer etc. So, for coup the agriculture sector in this situation we need some eco-friendly technologies to aware among all the farmers of the district.

Mr. Dimbeswar Hazarika, S/o. Lt. Gonesh Hazarika of village Kamargaon, P.O.-Matikhula under Dhemaji ADO circle, Dhemaji is an example of successful farmer of the district. Mr. Hazarika couldn't take his education in his childhood due to some domestic reasons, now he is a 60 years old and actively engaged in the development of agriculture, horticulture, livestock (poultry & piggery) and fishery. He possesses 1.73ha of land out of which 1.06ha under rice cultivation, 0.26ha under vegetable and 0.2ha under som plantation.

Plan, Implement and Support:

Before coming contact to KVK Dhemaji, Mr. Dimbeswar Hazarika was only a traditional farmer who confined his cultivation only with local paddy varieties, poultry breed, pig breed, fish and vegetables.

Now the things have been changed as he came in contact with the scientist of Krishi Vigyan Kendra, Dhemaji through a training programme held at Kamargaon during 2017 and he was highly motivated to adopt the scientific production technologies, which was his turning point. Since then, he started agriculture and allied sector in a commercial venture. With the intervention of Krishi Vigyan Kendra, Dhemaji he initiated his cultivation practices with improve varieties, intercropping, mix cropping, line sowing, poultry, piggery, fishery, kuchia farming and vermicompost etc.

Mr. Hazarika is a good farmer in his locality and he is famous for vegetable farming in his area. He cultivates 2 bighas of land for vegetables like Chilli, Cabbage, Cauliflower, Broccoli, Pumpkin, Brinjal, Mint, Colocasia, Coriander, Bitter gourd, Ridge gourd, Cucumber and French bean etc. in the rabi season. He disseminated the technology to other farmers which he gained from KVK scientist and act as a model farmer in his locality. He used to realize that growing of short duration vegetables increase the net return manifolds and the productivity is the highest among the nearby villages.

Output:

Mr. Hazarika rearing Muga of an area of 1.5 bighas, and he produce around 10000 to 15000 nos. cocoon annually, where he earned Rs.30000.00 to 35000.00 annually. He also growing high yielding Toria variety TS-38 which was collected from KVK Dhemaji yielding around 10-11 q/ha. Recently he has started kuchia culture in a unit area of 20 sqm by the intervention of KVK Dhemaji.

So, far market integration is concerned, earlier Mr. Hazarika as a small vegetable grower used to bring his produce for sale at different market points. Once, he started growing vegetables commercially in large scale, the neighbouring vegetable vendors came to know about his produce and quality and vendors directly comes to his field for purchasing the produce. His sales his produce to the vendors directly and earns a good amount. Now he is a model farmer and entrepreneur of that locality.

Outcome:

Mr. Hazarika is now earning near about Rs. 2.8 lacs annually from his farm. His services are being used for sharing his experience on field and as well as vegetables cultivation with other farmers in order to motivate them. He has become a role model for other farmers in the area.

Photographs of Sri Dimbeswar Hazarika	
	
Cultivation of *Ahinia Kachu*	**Cultivation of Sugarcane**
	
Fish rearing in captive culture	**Vermicompost production unit**
	
Rearing of *quail* poultry	***Kuchia* (eel fish) production unit**

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

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

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

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

3.11 Field activities

i. Number of villages adopted: **5 nos.**

ii. No. of farm families selected: **450 households**

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

3.12. Activities of Soil and Water Testing

1. Status of establishment of Lab: KVK Dhemaji is being operated from rent house and hence there is no soil testing facility in the office.

2. Year of establishment :
3. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab / Mridaparikshak	Manufacturer		
1	-	**Mridaparikshak**	**Nagarjuna Agro Chemicals Pvt. Ltd.**	**2**	**180600.00**

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

Details	No. of Samples analyzed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	50	500	15	-
Total	50	500	15	-

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

a. No. of SHCs prepared**: 500 nos.**

b. No. of farmers to whom SHCs were distributed**: 500 nos.**

c. Name of the Major and Minor nutrients analyzed**: pH , EC, Organic carbon (OC), Available Nitrogen (N), Available Phosphorus (P), Available Potassium(K), Available Sulphur (S), Available Zinc(Zn), Available Boron (B), Available Iron (Fe)**

d. No. of villages covered**: 15 no.**

e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page): **Soil health card was used for nutrient management in demonstrated crops like Sesamum, blackgram, toria, lentil and field pea as well as crops like chickpea, paddy, tomato .**

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	15	31125	7	14525	8	16600	0	0	2	4145	2	4145	34	70540
Total	15	31125	7	14525	8	16600	0	0	2	4145	2	4145	34	70540

3.14 Contingency planning for 2018-19

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Drought					
Introduction of new variety or crop	1. Short duration Sali rice variety- Ranjit sub-1, Bahadur sub-1 etc (Direct sowing or transplanting)	10.0	5	45	50

	2. Photo insensitive Sali rice variety- Gitesh	3.0	10	30	40
	3. Kharif black gram variety KU-301/IPU-94-01	30.0	15	60	75
	4. Introduction of HY toria variety TS 36 / TS 38	20.0	50	50	100
	5. Sesame variety *Kaliabor local*	10.0	25	25	50
Introduction of Resource Conservation Technologies	1. Practice of conservation/Zero tillage (Lathyrus cultivation)	10	10	40	50
	2. Apply additional amount organic manure	-	-	-	-
	3. Mulching should be practiced in between crop rows using locally available mulch material	0.5	5	10	15
	4. Relay cropping of Pea with Paddy	5.0	10	30	40
Distribution of seeds and planting materials	1. Raising community nurseries by direct sowing with 20-25 % high seed rate at a place near an assured water source.	-	-	-	-
Any other (Please specify)	1. Top dress additional quantities of MOP@5 kg/bigha and incorporate in Soil	-	-	-	-
	2. Spray 2 % MOP solution on leaves if and when drought appears	-	-	-	-
	3. Top dressing of urea may be delayed	-	-	-	-
	4. Life saving irrigation followed by foliar application of nutrients 2% urea or 2% DAP or 1% KNO3	-	-	-	-

Flood	**Introduction of new variety or crop**				
	1. Short duration Sali rice variety- Luit, haccha, iglongkiri and Dishang (Direct sowing or transplanting)	10.0	20	30	50
	2. Submergence tolerance varieties like Swarna sub-1 , Ranjit sub 1 & Bahadur Sub 1 may be grown	5.0	10	40	50
	3. Kharif black gram variety PU-31	20	20	30	50
	4. Late sown toria variety TS 46 / T S 67/ JT 90-1	10	10	10	20
Introduction of Resource Conservation Technologies	1. Proper drainage if water lodging persists.	-	-	-	-
	2. Small seedlings withstand the problem of Flood	-	-	-	-
	3. Drainage of excess water., Apply 1/3rd N + 50% K_2O as top dressing during the tillering stage in paddy	-	-	-	-
Distribution of seeds and planting materials	1. Growing of cucurbits after receding flood water	1.0	5	15	20
	2. Growing of cucumber and pumpkin	1.0	5	15	20
Any other (Please specify)	1. Provide drainage and follow protective plant protection measure and harvest as soon as possible	-	-	-	-

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					General	SC/ST	Total
Flood	-	2 (Awareness cum Animal health Camp)	2	Cattle: 500 nos. Pigs: 100 nos. Goat: 50 nos. Poultry: 700 nos.	40	110	150

4.0. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period only)

Impact of OFT carried out by the KVK in the district.

Crops	No. of OFT carried during the last five years	Cultivable Area under Crop (in Hectare)		Productivity/Yield of the Crop (Per Hectare)	
		Before Dissemination of technology	After Dissemination of technology	Before Adoption of new technology	After Adoption of new technology
Cereals					
a. Submergence tolerant Sali paddy var. Ranjit sub 1 , Swarna sub 1,	1	0	100	42.00 q	53.00 q

Bahadur sub 1					
b. Rice - Toria cropping sequence	1	0	350.00	-	Paddy : 48.00 q Toria: 7.50 q
Pulses					
a. Blackgram var. PU 31	1	nil	150.00	-	7.60 q
Oilseeds					
a. Late sown Toria var: *Jeuti, TS 46, TS 67, TS 38*	3	Nil	450.00	-	8.50 q
Horticulture					
Boron application in cole crops	2	120.00	321.00	620.00 q	743.00 q

Non-Crop Activities

Type of Non – Crop Activities	No. of OFT carried during the last five years	Productivity/Yield		Change in Income due to intervention of OFT	
		Before Adoption of new technology	After Adoption of new technology	Before Adoption of new technology	After Adoption of new technology
Animals / Poultry		-			
a. Backyard poultry improved breed *Kamrupa 1*	2	Egg/year/hen : 60 Mature hen wt : 1.85 kg	Egg/year/hen : 165 Mature hen wt :2.1 kg	-	32 % increase
Enterprises					
a. Low cost Vermicompost	1	Nil	Compost yield : 6.0	-	18 %

production			q/tank/year		increase

Impact of FLD carried out by the KVK in the district.

Crops	No. of FLD carried during the last five years	Cultivable Area under Crop (in Hectare)		Productivity/Yield of the Crop (q/Hectare)	
		Before Dissemination of technology	After Dissemination of technology	Before Adoption of new technology	After Adoption of new technology
a. Cereals- Paddy					
a. Variety *Ranjit Sub-1*	2	0.0	340.0	39.0	51.0
b. Variety *Gitesh*	5	10.0	110.0	37.5	48.0
c. Variety *Bahadur Sub-1*	2	0.0	160.0	39.0	51.0
d. IPM module in Sali rice	4	255.0	505.0	48.0	51.1
Pulses					
a. Black gram variety *PU- 31, KU 301, IPU- 94-1*	3	7.0	150.0	3.80	6.50
Oilseeds					

a. Toria variety *TS-38, TS 36, JT- 90-1 (Jeuti)*	6	0	1500.0	-	9.50
b. Sesamum var. *Bahuabheti*	2	0	150.0	5.30	6.50
Fruits					
a. Assam lemon	2	20.0	75.0	150 nos. of fruits/ plant/yr	210 nos. of fruits/ plant/yr
Vegetables					
a. Okra var. *Arka Anamika*	1	10.0	57.0	130.0	210.0
Tuber crops					
a. Colocasia var. *Ahina kochu*	2	35.0	110.0	85.0	130.0
b.Potato var. *Kufri pokhraj*	3	45.0	190.0	175.0	218.0
Fodder					
a. Perennial fodder (Hybrid Napier, Guinea)	3	3.50	20.0	654.0	720.00
b. Annual fodder (Oat)	4	Nil	39.0	-	254.00

Non-Crop Activities					
Type of Non – Crop Activities	**No. of FLD carried during the last five years**	**Productivity/Yield**		**Change in Income due to intervention of FLD**	
		Before Adoption of new technology	**After Adoption of new technology**	**Before Adoption of new technology**	**After Adoption of new technology**
a. Oyster mushroom production	4	Nil	1.630kg/ bed	-	Rs. 135.00 per bed
b. Low cost vermicomposting	5	Nil	6.0 q/ harvest	-	5050.00 per unit
c. Animals/Poultry					

a. Dual purpose poultry (Vanraja)	5	Egg yield: 80 nos./ year Mature hen weight:1.6 kg	Egg yield: 200 nos./ year Mature hen weight: 2.1 kg	Income from egg: Rs. 560.00 / hen Income from meat: Rs. 272.00 / hen	Income from egg: Rs. 1400.00 / hen Income from meat: Rs. 357.00 / hen
b. Improved duck, Breed- Khaki Campbell	3	Egg yield: 80 nos./ year Mature hen weight: 1.9 kg	Egg yield: 190 nos./ year Mature bird weight: 2.8 kg	Income from egg: Rs. 560.00 / hen Income from meat: Rs. 475.00 / hen	Income from egg: Rs. 1330.00 / hen Income from meat: Rs. 700.00 / hen
e. Sericulture					
a. Muga Silk worm rearing	2	Hatchability: 60- 70% Yield: Average 2000-3500 cocoons per 100 gm dfl	Hatchability: 95-100% Yield: Average 4000-5000 cocoons per 100 gm dfl	Rs. 4500.00 / month	Rs. 6250.00 / month
b. Eri Silk worm rearing	2	Hatchability: 65-75% Yield: Average 3500-4000 cocoons per 100 gm dfl	Hatchability: 95-100% Yield: 7000-8000 cocoons per 100 gm dfl	Rs. 2300.00 per month	Rs. 3200.00 per month

4.2. Cases of large scale adoption (Please furnish detailed information for each case)

Activity	Methodology used for analysis	Impact
Demonstration on rice toria cropping sequence	Demonstration and group discussion	▪ The cultivation of toria after Sali paddy increase the income of the farmers, which motivate the farmers of the adjoining areas to adopt the technology in coming years ▪ The farmers are in constant contact with KVK for other new technologies

		as well.
Demonstration on Sali paddy (var *Ranjit Sub-1 & Bahadur sub-1*)	Observation and Group Discussion	▪ The district is very much prone to flash flood causing submergence of Sali paddy for a period ranging from days to weeks. Therefore, *Ranjit Sub-1 & Bahadur sub-1 varieties* showed good performance in terms of yield in flood affected areas, hence large scale adoption of the technology is expected in coming years ▪ Farmers accepted the technology and nearby farmers are adopting
Mushroom production	Demonstration and group discussion	▪ Low input cost with faster and higher return proved a profitable secondary agriculture for the farmers ▪ Farmers accepted the technology and planning for entrepreneurship development in this field.
Low cost Vermicompost Technology	Observation and personal contact	▪ Observing the beneficial effects of vermicompost and with the increasing demand of Vermicompost the farmers showed interest in adopting the technology for vermicompost production.

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	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Certified seed production of Sali paddy	5	20	21945.00 / ha	38218.00 / ha
Toria (variety : TS-38.TS-36)	300	70	15348.00 / ha	30348.00 / ha
Late sown toria variety TS 46 / TS 67	10	30	13698.00 / ha	26848.00 / ha
Sesamum (Variety Bahua bheti)	75	10	7875.00 / ha	18675.00 / ha
Mushroom	55	20	0.00	334.00 / bed
Sugarcane (Variety - Dhansiri)	25	25	76388.00 / ha	143587.00 / ha
Broccoli	25	50	210000.00 / ha	278250.00 / ha
Vermicompost	200	100	3500.00 / tank	9590.00 / tank

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Administration, Office of the DC, Dhemaji	Participation of DC in SAC, World Soil Day, planning of annual action plan
2. Regional Agril. Research Station, AAU, North Lakhimpur	Collected seeds of HYV rice varieties, Toria varieties for implementation of Cluster FLD programmes. Sharing resource person for trainings, field days and awareness programmes. Diagnostic and field visit during implementation of TSP project on Promotion of Agriculture centric Sustainable Livelihood Security for Tribal farmers of Assam.
3. National Rural Livelihood Mission (NRLM)	Mobilization of women HSGs
4. Department of Agriculture, Dhemaji, Govt. of Assam	Conducting training programme, farmers-Scientist interaction, diagnostic visit, field visit and in implementing various schemes including STRY programmes.
5. Department of Animal Husbandry& AH, Govt. of Assam	Conducting training, awareness camp, health camp and field days. Sharing resource person. Cooperation in implementing TSP project.
6. District Fishery Dept. Dhemaji, Govt. of Assam	In planning annual action plan, sharing resource person along with implementation of different programmes including STRY training programmes.
7. Assam State Rural Livelihood Mission, Dhemaji	Conducting skill development training, organization of different awareness camp, Celebration of Women day in collaboration with ASRLM
8. Missing Autonomous Council, Gogamukh	Technology Backstopping in their different agricultural programme. Acted as resource person in their Training, field visit and diagnostic visits. Cooperation during implementation of Technology Showcase and TSP project.
9. DRDA, Dhemaji	Participated in IPPE under MGNERGA and district resource person
10. Department of Sericulture, Dhemaji	Cooperation in implementing Sericulture component of TSP Project
11. Department of Fisheries, Dhemaji	Cooperation and technical support in the fishery and IFS model development under

	AICRPDA TSP
12. Lakhimpur College of Veterinary Science	Conducting training, awareness camp, health camp and field days. Sharing resource person. Cooperation in implementing TSP project
13. Rural Volunteer Centre (NGO), Akajan, Silapathar, Dhemaji.	Performing as Resource person in their training and field visit. Selecting farmers and sites for conducting FLD, OFT and Exposure visit.
14.Rural Volunteers Organization, Akajan	Technical backstopping in the demonstrations conducted by the organization and also acted as resource person in Trainings
15. AICRP (Forage crops)	Collaborative demonstration programmes under TSP fodder production programme
16. Simen Chapori College, Simen Chapori	Celebration of National Science Day, Participation in different awareness camps
17. Department of Health and Family Welfare	Awareness programme and training for community Health workers on nutrition and health
18. Assam Seed Certification Agency	For seed certification of seed growers of the district
25. RSETI	In planning annual action plan, sharing resource person in different training programmes

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

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

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)

Tribal Sub Plan Project (TSP) for the year, 2014-15	a. Promotion of Agriculture centric sustainable livelihood security by conducting demonstrations on Agriculture, Horticulture, Integrated farming systems and development of Bari through Agro Forestry units for tribal farmers of Assam. b. Capacity building of the farmers by conducting trainings and dissemination of demonstrated technologies through Field days.	October 2015	ICAR, New Delhi	31,00,000.00
Tribal Sub Plan Project (TSP) for the year, 2015-16	a. Promotion of Agriculture centric sustainable livelihood security by conducting demonstrations on Agriculture, Horticulture, Integrated farming systems and development of Bari through Agro Forestry units for tribal farmers of Assam. b. Capacity building of the farmers by conducting trainings and dissemination of demonstrated technologies through Field days.	August, 2017	ICAR, New Delhi	27,66000.00
Tribal Sub Plan Project (TSP) for the year, 2016-17	a. Promotion of Agriculture centric sustainable livelihood security by conducting demonstrations on Agriculture, Horticulture, Integrated farming systems and development of Bari through Agro Forestry units for tribal farmers of Assam. b. Capacity building of the farmers by conducting trainings and dissemination of demonstrated technologies through Field days.	January, 2018	ICAR, New Delhi	34,40000.00

Piggery Centric Tribal Sub Plan Project (TSP) for the year, 2018-19	a. Promotion of Piggery centric sustainable livelihood security by conducting demonstrations on scientific pig rearing for tribal farmers of the district. b. Capacity building of the farmers by conducting trainings.	September, 2018	ICAR, New Delhi	25,000,00.00

5.3 Details of linkage with ATMA

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

5.4 Give details of programmes implemented under National Horticultural Mission: No programme undertaken

5.5 Nature of linkage with National Fisheries Development Board: No programme undertaken

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	SBI, AAU Branch	Jorhat	
With KVK	SBI, Kulajan Branch	Silapathar	11869162145
Revolving Fund	The KVK runs from Rent house and so revolving fund is not active in the KVK		

7.3 Utilization of KVK funds during the year 2018-19

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	1,00,00,000.00	83,04,968.00	83,04,968.00

2	**Traveling allowances**	2,00,000.00	1,46,218,.00	1,46,218,.00
3	**Contingencies**	13,50,000.00	13,05,125.00	13,05,125.00
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)		1,65,429.00	1,65,429.00
B	POL, repair of vehicles, tractor and equipments	-	42,839.00	42,839.00
C	Meals/refreshment for trainees	-	1,35,943.00	1,35,943.00
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)	-	6,08,485.00	4,03,215.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	-	74,264.00	74,264.00
G	Training of extension functionaries	-	1,58,165.00	158165.00
H	Maintenance of buildings	-	1,20,000.00	120,000.00
I	Establishment of Soil, Plant & Water Testing Laboratory	-	0	0
J	Library	-	-	-
TOTAL (A)		**1,15,50,000.00**	**1,10,61,436.00**	**1,08,56,166.00**
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)		**1,15,50,000.00**	**1,10,61,436.00**	**1,08,56,166.00**

7.4 Status of Revolving Fund (Rs. in lakhs) for last three years: NA as KVK Dhemaji operates from rent house hence no farm activity.

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2016 to March 2017	-	-	-	-
April 2017 to March 2018	-	-	-	-
April 2018 to March 2019	-	-	-	-

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

8.1 Constraints

(a) **Administrative:**

1. Lack of Permanent Office campus
2. Due to lack of Permanent Office campus there is no facility for instructional farms and other demonstration units
3. Vacancy of one stenographer cum computer operator post
4. Vacancy of one Grade IV employee

(b) **Financial:**

1. Budget under TA head should be increased.
2. Contingency budget may be increased

(c) **Technical:**

1. Lack of laboratory facility for conducting Soil test, Water test etc.
2. New vehicle should be provided.

(Signature)
Sr. Scientist & Head