ANNUAL REPORT OF KVKS, 2019-20

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, AAU, Kokrajhar, Telipara, Gossaigaon, Dist.- Kokrajhar, Pin.: 783360, Assam	03669- 292704	-	kvk_kokrajhar@aau.ac.in kvkkokrajhar@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Assam Agricultural University, Jorhat- 785013, Assam	0376-2340029	-	kvk.aau@gmail.com dee@aau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Manoj Kumar Bhuyan	-	8638223072	pcmkbhuyan@gmail.com

1.4. Year of sanction: 1985

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Sr. Scientist & Head	Dr. Manoj Kumar Bhuyan	Sr. Scientist & Head	Soil Science	166400.00	166400.00	11-08-2011	Permanent	Gen
2	Subject Matter Specialist	Mr. Goutom Bhagawati	Subject Matter Specialist	Plant Protection	63100.00	63100.00	03.02.2014	Permanent	Gen
3	Subject Matter Specialist	Ms. Puja Basumatary	Subject Matter Specialist	Horticulture	63100.00	63100.00	16.10.15	Permanent	ST
4	Subject Matter Specialist	Dr. Bhupen Kumar Baishya	Subject Matter Specialist	Soil Science	63100.00	63100.00	19.10.2016	Permanent	Gen
5	Subject Matter Specialist	Mrs. Porna Sarmah	Subject Matter Specialist	Community Science	63100.00	63100.00	31/01/2015	Permanent	Gen
6	Subject Matter Specialist	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	Dr. Nilotpal Das	Subject Matter Specialist	Animal Science	57800.00	57800.00	11.08.18	Permanent	Gen
8	Programme Assistant	Mr. Dipangka Saikia	Programme Assistant (Fishery Science)	Fishery Science	35400.00	35400.00	04-09-19	Permanent	Gen

9	Computer Programmer	Mr. Mridul Kumar Haloi	Programme Assistant	Computer Application	42300.00	42300.00	13-09-11	Permanent	SC
10	Farm Manager	Mr. Partha Jyoti Bora	Farm Manager	Plant Breeding and Genetics	35400.00	35400.00	30.08.19	Permanent	OBC
11	Accountant / Superintendent	Mr. Akhil Roy Choudhury	Accountant / Superintendent	Accountancy	39900.00	39900.00	10-11-14	Permanent	Gen
12	Stenographer	Mr. Bikram Borah	Stenographer cum Computer Operator	Stenography (English)	26300.00	26300.00	31.01.19	Permanent	OBC
13	Driver	Mr. Sabed Ali Sheikh	Driver cum Mechanic	-	26800.00	26800.00	22-02 12	Permanent	Gen
14	Driver	Mr. Sikandar Basumatary	Driver cum Mechanic	-	23800.00	23800.00	28.11.16	Permanent	ST
15	Supporting staff	-	-	-	-	-	-	-	-
16	Supporting staff	-	-	-	-	-	-	-	-
	Total	**14**							

1.6. a. Total land with KVK (in ha) : 11
b. Total cultivable land with KVK (in ha) : 7.5
c. Total cultivated land (in ha) : 6.0

S. No.	**Item**	**Area (ha)**
1	Under Buildings (Administrative building+ Farmers' Hostel+ Staff Quarters)	1.5
2.	Under Demonstration Units	0.50
3.	Under Crops (Cereals, pulses, oilseeds etc.)	7.5
4.	Under vegetables	-
5.	Orchard/Agro-forestry	1.5
6.	Others (specify)	-

1.7. Infrastructural Development:
A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1. A.	Administrative Building (Old)	ICAR	1987-88	157.45	2.00 lakh	-	-	-
B.	Administrative Building (New)	ICAR	2015	332	86.73 lakh	-	-	Completed
2.	Farmers Hostel	ICAR	1987-88	910.10	14.00 lakh	-	-	Damaged, need major repairing
3.	Staff Quarters (1)	ICAR	2003	132.76	5.98 lakh	-	-	Working

4.	Demonstration Units							
A	Poultry unit	RKVY	2010	45.00	2.19 lakh			Working
B	Piggery unit	RKVY	2010	145.00	6.06 lkah			Working
C	Goatery Unit	RKVY	2010	18.0	1.32 lakh			Working
D	Display & demonstration unit	RKVY	-	6 m in hexagonal shape	4.48 lakh			Working
E	Rice-fish vegetable farming unit	RKVY	2010	224 running meter	2.0 lakh			Working
F	Polyhouse	ATMA	2011		1.0 lakh			Working
G	Vermicompost unit	RKVY	2010	50.0	1.12 lakh			Working
H	IFS (Poultry-Fish-Horticulture farming)	RKVY	2012	2600msq	5.95 lakh			Working
I	Azolla	RKVY	2012		2.72 lakh			Working
J	Compost & Vermicompost	RKVY	2012		2.20 lakh			Working
5	Fencing	ICAR	1995	0.80km	4.92 lakh	-	-	Need repairing
6		ICAR	2015	300 rm	13.24 lakh			Working

B) Vehicles

Type of vehicle	**Regd. No.**	**Year of purchase**	**Cost (Rs.)**	**Total kms. Run**	**Present status**
Mahindra Marazzo	AS-01EB-3273	2019	490503.00/-	15304	Running
Tractor	AS-16C-0706	2003	Transferred from RARS, Diphu	1242	Not running
	AS-16D-0010	2013	570925.00	6118	Running

C) Equipments & AV Aids

Sl. No.	Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1.	Amplifier	1988	3202.00	Repairable
2.	Black Board	1987	150.00	Damaged
3.	Calculator Machine	1986	252.00	Damaged
4.	Camera	1987	5544.00	Repairable
5.	Desktop Computer	2005	46206.00	Damaged
6.	Digital Camera	2006	15080.00	Damaged
7.	Digital Camera (Sony)	2010	19000.00	Damaged
8.	Duplicating Machine (Manual)	1986	6708.26	Damaged
9.	Duplicating Machine (Automatic)	1995	39050.00	Damaged
10.	Fax Machine (Brother)	2010	15,190.00	Working
11.	Film Rewinder	1988	179.20	Repairable
12.	Flash Gun	1988	570.00	Damaged
13.	Generator	1987	17360.00	Demaged
14.	Horn	1988	358.00	Working
15.	Line Connecting Transformer	1988	616.00	Damaged
16.	Microphone	1988	1891.00	Repairable
17.	Microphone Stand	1988	276.00	Working
18.	Photophone OHP	1988	4256.00	Damaged
19.	Photophone Superlite Sound Projector	1988	12152.00	Repairable
20.	Projection Screen	1988	856.80	Working
21.	Projector Roll (Cinema)	1988	196.00	Damaged
22.	Projector Screen	1988	442.90	Working
23.	Slide Projector	1988	4256.00	Damaged

24.	Television Set	1988	10145.00	Damaged
25.	Xerox Machine (KM – 1635 MFP Printer)	2007	50440.00	Working
26.	Xerox Machine (Kilburn)	2010	101920.00	Working
27.	Digital Inverter (Electra – EEDI 800)	2007	13540.00	Battery damaged
28.	LCD Projector	2010	98331.00	Damaged
29.	UPS (Uniline-800VA FBLI UPS)	2010	5964.00	Demaged
30.	Mechanized Grass Cutter	2009	28000.00	Working
31.	Multipurpose power weeder	2009	42078.00	Working
32.	Power paddy weeder	2009	36254.00	Working
33.	Rice transplanter	2009	188198.00	Working
34.	Earth Augar	2009	56749.00	Working
35.	Water pumps (3 nos.)	2009 & 2010	30,000.00	Working
36.	Seed cleaner	2009	311012.00	Working
37.	Rotavator (2 nos.)	2009	95805.00	Working
38.	Puddler	2009	25896.00	Working
39.	Chaff cutter	2009	15496.00	Working
40.	Voltage stabilizer	2007	3999.00	Working
41.	Poly Sealing Machine	2012	2838.00	Demaged
42.	Desktop Computer	2010	27547.00	Working
43.	Balance	2011	9591.00	Working
44.	BOD Incubator	2011	-	Working
45.	Horizontal Leminar Flow	2011	-	Working
46.	Ph meter	2011	2270.00	Working
47.	Autoclave	2011	93638.00	Working
48.	Hot Air Oven	2011	36888.00	Working
49.	Incubator	2012	-	Working
50.	Laminar Flow	2012	-	Working
51.	Refrigerator	2012	15990.00	Working
52.	Bharat paddy thresher (2)	2013	390001.50	Working
53.	Front mounted vertical conveyance reaper	2013	260001.00	Working
54.	Projector	2013	-	Damaged
55.	Motorized screen with remote	2013	-	Damaged
56.	Dehumidifier	2013	-	Working
57.	Digital pH = temperature metre	2013	-	Working
58.	Portable FRP carp Hatchery	2014	-	Working
59.	Hatchery pool	2014	-	Working
60.	Egg/ Spawn collection tank	2014	-	Working
61.	Composite feed mill	2014	-	Working
62.	Egg incubator	2014	-	Not working
63.	Maize shaller	2014	-	Working
64.	Maize dehusker cum sheller	2016	-	Working
65.	Seed cum fertilizer drill	2018-19	80750	Working
66.	Drum seeder (5 no’s)	2018	50000	Working
67.	Rice transplanter	2018	227679	Working
68.	Battery operated sprayer (6 no’s)	2018	31800	Working
69.	Power weeder	2018	39830.51	Working
70.	Multicrop planter	2018	40000	Working
71.	HP Laptop (2nos)	2019	76,254.22	Working
72.	Portable Rice Mill	2019	3,57,900	Working
73.	Potato planter	2019	1,03,600	Working
74.	Power Tiller operated planter	2019	40,000	Working
75.	Power Tiller Inclined plate planter	2019	41,050	Working
76.	Power Tiller zero Till speed drill	2019	24,000	Working
77.	Octagonal and Tubular Maize Sheller	2019		Working
78.	Nokia 6.1 Android	2019		Working

1.8. A). Details SAC meeting* conducted in the year2019-20

Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
-	-	-	-

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprises
1	Agri + Horti + Dairy Cow + Goatery + Poultry + Duckery
2	Agri + Horti + Dairy Cow + Goatery + Piggery + Poultry + Duckery + Pigeon + Fishery
3	Agri + Horti + Dairy Cow + Piggery + Poultry
4	Agri + Horti + Dairy Cow + Buffalo + Piggery + Poultry + Duckery + Pigeon
5	Agri + Horti + Dairy Cow + Goatery + Poultry + Duckery + Fishery

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Lower Brahmaputra Valley Zone (LBVZ) of Assam	The climate is humid sub-tropical in nature characterised by warm – humid summer cool – dry winter. The monsoon months (June-September) are wet receiving 65-70% of the total rainfall while the winter months (December-February) remain virtually dry. The mean maximum and minimum temperature varies from 33-38°C and 8-10°C respectively.
	Agro ecological situation	
a.	Foot hills old mountain valley	Foot hills of Bhutan in northern part of the district. The soil is loamy to clay, rich in organic matter
b.	Flood free riverine old alluvial plain	Plain areas, sandy to sandy loam soil free from flood
c.	Flood prone riverine alluvial plain	Flood prone areas affected by river Champabati, Gaurang, Saralbhang and Sankosh
d.	Hills and hillocks	Hills and Hillocks areas, red clay soil
e.	Beels	Marshy/Swampy land, water logging, low lying areas and covered with water hyacinth

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Alfisols (mountain valley)	Soil is loamy to clay and built up alluvial materials washed down from the hills slope. Medium to heavy textured soil	93658
2	Inceptisols (old alluvium)	Soils are old riverine alluvial type. Sandy loam to loamy soil and free from flood	162962
3	Entisols (recent alluvium)	Soils are recent riverine alluvial plain. Sandy or loamy sand and light textured soil	20758
4	Ultisols (laterised red)	Old alluvial soils are found. The surface soils are generally red to reddish brown and acidic in nature	37824

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	Autumn Rice	52514	164.081.15	31.25
2	Winter Rice	250561	973587.16	38.86
3	Summer Rice	19745	82178.78	41.62
4	Wheat	3504	6286.22	17.94
5	Other Cereals & small Millets	715	1627.365	22.76
6	Gram	1613	4954.978	30.38

7	Maize	3808	9050.99	23.77
8	Total Rabi pulse	23071	18410.658	7.98
9	Mesta	1595	2479.429	15.55
10	Cotton	19	92.08	48.46
11	Jute	10170	21051.90	20.70
12	Black Pepper	726	3136.664	43.20
13	Chillies	3552	17638.74	49.66
14	Turmeric	2527	36696.354	145.22
15	Onion	1067	11506.402	107.84
16	Ginger	2496	9774.275	39.16
17	Rapeseed & mustard	53820	53820	10.00
18	Coriander	2933	9954.275	33.94
19	Linseed	1195	2922.939	24.46
20	Sesamum	2087	1352.092	6.48
21	Banana	11719	189847.8	162.00
22	Garlic	1714	9349.398	54.55
23	Tea	1672	35814.24	214.20
24	Arecanut	14069	176636.295	125.55
25	Coconut	3117	19481.25	62.50
26	Sugarcane	1709	76905	450.00
27	Castor	73	250.78	34.35
28	Tobacco	72	32.832	4.56
29	Potato	23228	224423.2	96.62
30	Kharif Vegetable	15392	119080.41	77.37
31	Rabi Vegetables	19426	286454.91	147.46
32	Tur	1819	1794.806	9.87

Statistical Handbook of BTC (2015-2016)

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April-19	7.8867	30.33	19.73	84.78	61.10
May-19	23.52	29.68	21.75	93.19	76.16
June-19	18.34	32.81	24.43	91.50	73.13
July-19	59.60	31.50	24.80	92.50	81.60
August- 19	6.98	34.54	25.77	90.00	69.09
September-19	23.06	31.43	24.11	94.73	79.73
October- 19	6.20	30.40	21.00	92.40	69.00
November-19	0.05	29.83	17.03	91.20	58.60
December-19	0.00	25.85	10.62	91.70	54.90
January-20	0.00	26.10	7.30	88.20	41.70
February-20	46.30	26.50	11.60	91.00	51.50
March-20	66.60	29.20	14.90	82.60	48.60

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

Category	Population	Production	Productivity
Cattle 333591			
Crossbred	6388	2026924 ltrs (Milk)	4.72 ltrs/day/ Animal
Indigenous	327203	1,79,22,095 ltrs (Milk)	853 ml/day/Animal
Buffalo	**7833**	3049763 ltrs (Milk)	1.5 ltrs/day/Animal
Sheep 14222			
Crossbred	18	-	-
Indigenous	14204	14,84,350 kgs (Meat)	8 kg/ Animal
Goats	**145530**	497811 ltrs (Milk) 593309 Kg meat	6.97 kg meat /animal

Pigs	**105271**		
Crossbred	25474	1138146 Kg meat	60 kg meat /animal
Indigenous	79797		35 kg meat /animal
Poultry			
Hens	189999	4,51,800 Nos.	160 Nos./ year/Bird
Desi			
Improved			
Ducks	132610		120 Nos. /year/ Bird
Turkey and others	-	-	-
Turkey and others			

Source: Integrated Sample Survey Report 2017-18, Dept. of Animal Husbandry, Govt. of Assam

Category	**Area**	**Production(Kg/ha)**	**Productivity(Ton)**
River Fisheries	2457.00		75.22
Beel Fisheries			
Registered Beel	1499.00	1500	508.93
Unregistered Beel	567.50	300	
Forest fisheries	35	300	234.80
Community pond and tank	105		-
Ponds and tanks	1871.81	2500	528.44
Swamp and waste land (Low lying area)	572.00	300	108.62
Reservoir Fisheries	-	190	53.92
Paddy field /cannel	-	238	249.36

Source: *Joint Director cum CHD, Fisheries Department, BTC, Kokrajhar, Assam*

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

Sl. No.	**Taluk/ Eleka**	**Name of the block**	**Name of the village**	**Major crops & enterprises**	**Major problem identified**	**Identified thrust area**
1	Gossaigaon	Gossaigaon	Matiajuri, Rangapara, Padmabil, Joyma, Kusumbil, Bhumka, Chakma, Bashbari, Babubil, Thuribari, Bhawraguri, Natunpara, Guwabari, Sagunhara, Choto Binnyakhata, Gambaribil, Kamalsing Dhauliguri Singimari Kandanpara Mallikpur	Boro Rice and early Ahu, Lentil, Pea, Linseed, Rapeseed, Vegetables, Potato, Flowers	i. Low productivity of Oilseeds and Pulses due to non-adoption of recommended varieties ii. Production problem in Potato	i. Popularisation of HYV of Summer and Boro rice ii. Introduction of high yielding Pulse and Oilseed varieties iii. Commercial potato and fruit production

		Hatidhura	Jacobpur, Fwilaguri, Majadabri, Kamandanga, Haripur, Tamahat, Simaltapu, Grahampur, Srirampur, Palashkandi	Rice, Maize, Rapeseed, Niger, Wheat, Vegetables, Goatery	i. Poor yield in Oilseeds and Pulses ii. Pest and Disease problem iii. Low productivity due to rearing of local breed of goat iv. Sandy and light textured soil	i.Popularisation of improved varieties of Oilseed and Pulse ii. Integrated Pest and Disease management iii. Improvement of productivity of Goatery iv. Soil health and fertility management
		Kachugaon	Ballamguri, Malaguri, Bhadiaguri, Ballimari, Jaymaguri, Dawaguri, Goladangi, Bajugaon, Jaraguri, Maktaigaon, Bhomrabil, Saraibil, Mothambil, Nasrabil, Borobadha, Burichattam, Haoriapet, Hashraobari, Hatigarh, Garufella, Sapkata, Gakulkata, Polashguri, Kachugaon Batabari Chengmari Jambuguri Jiaguri Samdasguri Katribari Khagrabari Gaon chulka Raimona Raikhanbari Modati	Rice, Maize, Vegetables, Rapeseed, Lentil, Pea, Buckwheat, Niger Beekeeping	i. Pre and Post Production problem in Vegetables ii. Poor fertility status of soil iii. Lack of scientific knowledge and skills about rearing of honey bee	i. Low volume – high value Vegetables ii. Soil health and fertility management iii. Commercial fruit production and processing iv. Popularisation of Beekeeping

2	Kokrajhar	Titaguri	Debargaon, Narabari, Gendrabil, Kunthaibari, Titaguri, Kumguri, Sukanjhara, Chandrapara, Simborgaon, Uttar Patgaon, Amlaguri, Jharbari, Ghoramari, Bhumki, Dakhin Karigaon, Dawkibari, Kakrighola, Nayekgaon, Bandarmari, Harighola, Harigaon, Bamungaon, Diplaibil, Salakati, Bandarchara, Chautaki, Bangaldoba, Diajhajuri, Kalugaon, Janagaon Maoriagaon Bhaoraguja	Piggery, Poultry, Aqua-farming, Sericulture, Agro-forestry, Winter vegetables,	i. Low production of meat and egg ii. Fish seed formulation, feeding technology and pond management iii. Poor quality and low yield of worm due to traditional rearing method iv. Dearth of scientific knowledge regarding agro-forestry plantation	i. Rearing of Pig and Poultry ii. Integrated Fish farming iii. Rearing of Eri, Muga and Silk worm iv. Agro-forestry plantation technology v. Spice production and value addition
		Dotma	Angthihara, Simlaguri, Batabari, Dotma, Barshijhora, Umanagar, Baldiapathan, Fakiragram, Saktiashram, Chithilaghop, Athiabari, Ghoshkata, Sikargaon, Laudanga, Dangarkuti, Bhalukmari, Puthimari, Lakhnabari, Ramfalbil, Serfanguri, Medhipara, Pratapkahata	Dairy, Piggery, Mushroom, Fruit preservation,Tailoring and Stitching	i. Low productivity and management problem in Dairy and Piggery ii. Lack of scientific knowledge about mushroom production iii. Storage problem of fruit iv. Lack of technical knowledge and skills regarding tailoring, stitching and knitting	i.Improvement of productivity of Dairy ii. Rearing of Pig iii. Production techniques of Mushroom iv. Processing of fruit v. Tailoring, Knitting and Embroidery techniques for women
3	Parbatjhora	Rupsi	Kajigaon, Manglajhora, Tipkai, Molandubi, Kurshakati Belbari Ambari Hatibandha Bamunipara	Ahu, Boro rice, Rapeseed, Potato, Summer vegetables	i. Low yield of Rice due to growing of local varieties ii. Production and management problem of vegetables and spices iii. Pest and Disease problem	i. Popularisation of HYV of Summer, Sali and Boro rice ii. Low volume – high value Vegetables iii. Spice production and value addition iv. Integrated Pest and Disease management

3. TECHNICAL ACHIEVEMENTS

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

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Horticulture	3	3	12	12	3	3	15	15
Agronomy	1	1	3	3	2	2	15	15
Soil Science	2	2	6	6	1	1	5	5
Plant protection	3	4	9	10	3	3	23	23
Community Science	2	2	7	7	2	2	19	19
Animal Science	2	2	6	6	3	3	25	25
Total	**13**	**14**	**43**	**44**	**14**	**14**	**102**	**102**

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	40	45	1000	1179	1702	1021	8185	5446
Rural youth	20	23	400	554				
Extn. Functionaries	8	7	180	175				
Total								

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement
11.255	158.4	0.23030	0.29603

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

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	Tomato Variety Arka Abhed and Arka Samrat	Low yield of existing varieties	Varietal Performance of Tomato Variety Arka Abhed and Arka Samrat	Popularization of Summer Marigold variety Seracole	-	-	Field day on Summer Marigold variety Seracole	Planting materials, fertilizers, Plant protection chemicals

2	Varietal evaluation	Strawberry variety Sweet Charlie and Winter Dawn	Low yield of runner propagated plants susceptible to botrytris and anthracnose fruit rot	Varietal performance of Tissue culture strawberry variety Sweet Charlie and Winter Dawn	Popularization of tissue culture banana variety Grand Naine	Scientific cultivation technology of Strawberry	-	-	Planting materials, Plant protection chemicals, Plastic mulch
3	Varietal evaluation	Garden rose var. Arka Sinchana and Arka Parimala	Short shelf life of locally available rose variety	Varietal performance of Garden rose var. Arka Sinchana and Arka Parimala	Demonstration on commercial cultivation of Pumpkin F1 Hybrid variety Arjuna	-	-	-	Planting materials, fertilizers, Plant protection chemicals
4	Weed management	Black gram	Low production due to weed infestation	Weed Management in Kharif Blackgram	-	-	-	Monitoring, Field visit	Seed, Fertlizer
5	Varietal performance	Paddy	Crop failure of Sali rice due to prolonged submergence of water during *kharif* season	-	Varietal Performance of submergence tolerance Sali rice variety Bahadur Sub-1	-	-	Monitoring, Field visit.	Seed, Fertlizer
6	Soil management	Paddy	Irrational use of chemical fertilizer	-	INM in Sali Rice variety Ranjit Sub-**1**	-	-	Monitoring, Field visit	Seed, Fertlizer
7	Nutrient management	Paddy	Unaware about the use of KSB to reduce the chemical fertilizer	Response of K solubilizing bacteria in reduction of potassic fertilizer in Sali rice (Var.- Ranjit Sub1	-	-	-	Monitoring, Field visit	Seed, Fertlizer Biofertilizer

8	Nutrient management	Paddy	Low yield due to Zn deficit in soil and unaware about ZSB	Response of Rice to Zn solubilizing bacteria Zn nutrition (Var.- Ranjit Sub1)	-	-	-	Monitoring , Field visit	Seed, Fertlizer Biofertilizer
9	Nutrient management	Paddy	Imbalanced ferlization		Combined application of Zinc and Boron in rice (Var: Ranjit Sub 1			Monitoring , Field visit	Seed, Fertlizer, Borax, Zinc sulphate heptahydrate
10	Product Diversification	Hand-woven fabric	1. Multi-coloured and raised Bodo design in Dokhona is limited to tribal Bodo Community only	Product diversification of hand-woven dokhona to single bed spread.	Application of Natural Dye on Cotton yarn	1. Value addition of Fabric through tie and dye. 2. Product diversification of household materials	-	-	1.Cotton Yarn – 2.5 kg each weaver (Total 4 Trail)
11	Storage Technique	Tomato	1.Poor storage technique leads to spoilage. 2.Cold temperature leads to loss of taste and juiciness of fruit.	Storage of tomato through air hanging stalks.	-	Preservation of fruits and vegetable through pickleing	-	-	1. Thick cotton cloth – 4m 2. Rope. (Total 3 trial)
12	Breed improvement	Poultry	Low productivity of indigenous chicken	Introduction of Kadaknath chicken under backyard system of management condition	1. Demonstration on productive performance of Vigova Super M broiler duck. 2. Popularization of rearing of Japanese quail bird	1. Broiler farming for income generation 2. Disease of Poultry, its management and control measures.	-	Field day, Field visit, Diagnostic visit, Method demonstration, Group discussion	Kadaknath chicks, Vigova Super M broiler duckling, Quail chicks, feeds, medicine etc.

13	Breed introduction	Piggery	Low productivity of the indigenous pigs	Introduction of HD-K75 breed of pig under intensive system		Scientific pig farming	-	Field visit, Diagnostic visit, Method demonstration, Group discussion	Suply of HD-K75 piglet, medicine, vaccine
14	Fodder production and quality enhancement	Napier	Low productivity of dairy cow due to scarcity of green fodder		Fodder production of Hybrid Napier	Scientific dairy farming	-	Field visit, Diagnostic visit, Method demonstration, Group discussion	Planting material and fertilizer
15	Other beneficial organisms	Mushroom	Large scale use of chemicals	-	Organic oyster mushroom production	Two days ARYA training	-	Field visit, Method demonstration	Mushroom spawn, food grade poly bags
16	Stored grain pests	Hermetic technology	Seed damage by insect pest		Safe storage of grains using pro super grain bags	Management of stored grain insect pests	Recent advances in plant protection.	Field visit, Method demonstration	Hermetic bags
17	IPM	Cauliflower	Indiscriminate use of insecticides		Bio intensive IPM package for the pests of cole crop	1. IPM & IDM in Rabi crops- cereals & vegetables 2. Organic agriculture with reference to use of bio pesticides and other bio agents	-	Field visit, Method demonstration	Trichocards, Neem oil
18		Beans		Management of Helicoverpa in Indian beans by non chemical means	-	-	-	Field visit, diagnostic visit, group discussion	Seed, Pheromone trap, neem oil, HaNPV
19	IDM	Chick pea	High mortality at seedling stage	Management of collar rot of chick pea using Trichoderma along with combination of fungicide	-	-	-	Field visit, diagnostic visit, group discussion	Seed, trichoderma, proprinib

20		Potato	High incidence of late blight	Management of late blight disease in potato	-	IPM & IDM in Rabi crops-cereals & vegetables	-	Field visit, diagnostic visit, group discussion	Insecticide
21	Biological management	Gourd	Large scale use of insecticide	Assessment of low cost bottle trap for management of fruit fly in cucurbits (smooth gourd)	-	IPM & IDM in Rabi crops-cereals & vegetables	-	Field visit, diagnostic visit, group discussion	Jaggery, Fipronil, pheromone trap

3.1 Achievements on technologies assessed and refined during 2019-20

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

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

management										
TOTAL	-	-	3	-	2	1	1	-	1	8

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

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

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

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitery**	**Fisheries**	**TOTAL**
Introduction of Breeds	-	1			1			2
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-

Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	1	-	-	1	-	-	2

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

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

A.5. Results of On Farm Testing (OFT)

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Cropping system/ Enterprise	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B:C Ratio (if applicable)
1	Varietal performance of Tomato variety Arka Samrat and Arka Abhed	Low yield of existing varieties and susceptible to Bacterial wilt and blight disease	Tomato variety Arka Samrat and Arka Abhed	Tomato	4	Technology: Arka Abhed, Arka Samrat; Arka Rakshak respectively Plant Ht: 1.24m; 1.08m;1.06m No. of fruits/plant: 70; 50; 45. Fruit size: 5.43 cm X 6.28 cm; 5.82cm x 5.93cm; 6.04cm x 4.04cm Single fruit wt. 116.33g; 104g; 87.11g Yield: 162.87t/ha; 104.0t/ha; 78.4t/ha NR(Rs.):873669;510469 ; 356869 Farmers practice Plant Ht: 0.94m; No. of fruits/plant: 45. Fruit size: 5.33 cm X 4.24cm Single fruit wt. 69.75g Yield/ha; 62.77t/ha, NR(Rs.):281119	Farmer's accepted the variety, yield performance of all variety is good	Arka Abhed performance is better compare to Arka Samrat and Arka Rakshak	Tech: 6.9:1(Arka Abhed) 4.59:1 (Arka Samrat) 3.46:1 (Arka Rakshak) FP: 3.32:1
2	Varietal performance of Tissue culture strawberry	Low yield of runner propagated plants susceptibl	Strawberry variety Sweet Charlie and Winter Dawn	Strawberry	3	Tissue culture var. Winter Dawn and Sweet Charlie respectively Avg. Fruit	Farmer's accepted the variety, yield performance is good	Mortality in runners propagated variety is more compare to	Tech: Winter Dawn (TC) 1.76:1 Sweet Charlie (TC) 1.20:1

	variety Sweet Charlie and Winter Dawn	e to botrytris and anthracnose fruit rot				size (LxD cm): 4.2x3.3 ;5.0x3.2 Avg. Fruit wt (g): 18.5; 14.23, Days to 1st flowering: 60; 65, Yield/ plant (g):410.7; 279.76, NR(Rs.):1777279; 467879 Strawberry runner var. Winter Dawn and Sweet Charlie respectively Avg. Fruit size (L x D cm): 4.0x3.3 ;4.8x3.2 Avg. Fruit wt (g): 18.21; 14.16, Days to 1st flowering: 60; 65, Yield/ plant (g): 345.99; 254.88, NR(Rs.):1130279; 218279		tissue culture variety	Winter dawn runner 1.49:1 Sweet Charlie runner 1.09:1
3	Varietal performance of garden rose var. Arka Sinchana and Arka Parimala	Short shelf life of locally available rose variety	Garden rose var. Arka Sinchana and Arka Parimala	Garden rose	5	Ongoing	-	-	-
4	Weed Management in Kharif Blackgram	Low production due to weed infestation	T_1: Pre-emergence application of pendimethalin @1 kg/ha Farmers practice	Black gram	3	Technology: Weed population= 5/sq.m Plant Height= 39 Yield (q/ha)=7.9 Farmer practice: Weed population= 22 /sq.m Plant Height= 32 Yield (q/ha)=6	Farmer's accepted the yield ,performance is good	-	Tech = 2.16 FP=1.74

5	Response of K solubilizing bacteria in reduction of potassic fertilizer in Sali rice (Var.- Ranjit Sub 1)	Unaware about the use of KSB to reduce the chemical fertilizer	T_1: RD of NPK @ 40:20:10 kg/ha + consortia of KSB as seedling root dip treatment @ 3.5 kg/ha T_2 : RD of NPK @ 40:20:20 kg/ha Farmers practice	Paddy	3	**T_1** Plant Height (cm)= 107 Av. No. tillers/ hill= 17 Av. No. effective tillers/ hill=12 Yield (t/ha)= 4.7 **T_2** Plant Height (cm)= 105 Av. No. tillers/ hill= 16 Av. No. effective tillers/ hill= 10 Yield (t/ha)= 4.0 **Farmer practice:** Plant Height (cm)= 100 Av. No. tillers/ hill= 10 Av. No. effective tillers/ hill= 7.0 Yield (t/ha)= 3.5	Farmer satisfied with the technology and accept it for further continuation.	-	T_1 = 2.40 T_2=2.04 FP=1.85
6	Response of Rice to Zn solubilizing bacteria Zn nutrition (Var.- Ranjit Sub1)	Low yield due to Zn deficit in soil and unaware about ZSB	T_1: RD of NPK @ 40:20:20 kg/ha + consortia of ZSB as seedling root dip treatment @ 3.5 kg/ha T_2 : RD of NPK @ 40:20:20 kg/ha + $ZnSO_4$. $7H_2O$ @ 25 kg/ha Farmers practice	Paddy	3	**T_1** Plant Height (cm)= 105 Av. No. tillers/ hill= 17 Av. No. effective tillers/ hill=14 Yield (t/ha)= 4.5 **T_2** Plant Height (cm)= 10 Av. No. tillers/ hill= 16 Av. No. effective tillers/ hill= 13 Yield (t/ha)= 4.3 **Farmer practice:** Plant Height (cm)= 98 Av. No. tillers/ hill= 9 Av. No. effective tillers/ hill= 8 Yield (t/ha)= 3.3	Farmer satisfied with the technology and accept it for further continuation	-	T_1 = 2.22 T_2=2.18 FP=1.74

7	Product diversification of hand-woven dokhona to single bed spread.	1. Multi-coloured and raised Bodo design in Dokhona is limited to tribal Bodo Community only	Multi-coloured Bodo design in Single bed Spread.	Hand-woven fabrics	4	Parameters assessed-(9 point hedonic scale-Mean) 1.Colour T- 7.8 FP- 5.7 2.Acceptance of final product T- 7.4 FP- 6.8	Weavers are satisfied with their own weaved bed spread with inclusion of principle and element of designed.	Final product look good. Suggestion was given for inclusion of hand-woven pillow cover along with the bed spread for cater for market	T- 2.3:1 FP- 1.8:1
8	Storage of tomato through air hanging stalks.	1.Poor storage technique leads to spoilage. 2.Cold temperature leads to loss of taste and juiciness of fruit.	Hanging of tomatoes tied at stalk Measurement: • Thick cloth is placed at 1.5 - 2 feet below roof/ ceiling and 6 feet height from ground level. • Rope of 1-2 mm diameter is tied in bamboo pole where tomato with stalk were tied and hang.	Tomato	3	Parameters- shelf life of tomato. 1.Shelf life of tomato- T- 6.76 FP- 3.1 2.Taste and texture of the fruit. T- 6.6 FP- 3.3	Tomato can be stored for atleast 70 days in air hanging stalks. Disease free and good quality tomatoes will have better shelf life.	Shelf life of tomato will be increased if thatched roof and bamboo wall will be used instead of tin and brick wall. Protection from direct sunlight is also essential to check early fruit drop and wrinkle	T- 5:1 FP- 1:1
9	Introduction of Kadaknath chicken under backyard system of management condition	Low productivity of indigenous chicken	T1: Kadaknath chicks as quality inputs. T2: Indigenous poultry	Kadaknath	3	Avg. Wt. gain by birds: Technology (g): 1. 3nd Week: 230 2. 8th week: 490 3. 12th Week: 775 4. 20th Week: 1250 Age at 1st Lay(Day): 167 Egg weight: 48 g Chick mortality (upto 10 weeks): 15 % Egg laying: on going Avg. Wt. gain by birds:	Farmers are satisfied with the weight gain rate of Kadaknath Chicken and accepted the breed	-	-

						Farmers Practice (g): 1. 3nd Week: 110 2. 8th week: 211 3. 12th Week: 510 4. 20th Week: 770 Age at 1st Lay(Day): 180 Egg weight:40 g Chick mortality (upto 10 weeks): 25 % Egg laying: on going			
10	Introduction of HD-K75 breed of pig under intensive system	Low productivity of the indigenous pigs	T1: HD-K75 Pig T2: Indigenous Pig	HD-K75	3	Avg. Wt. gain by HD-K75 Technology: 6 weeks : 9.5kg 2 Months: 12 kg 4 Months: 42 kg 5 Months: 56 kg 8 Months:85 kg Farmers practice: 6 weeks : 5 kg 2 Months: 7 kg 4 Months: 15 kg 5 Months: 19 kg 8 Months:41 kg Age at 1st Heat:166 days (Technology) Age at 1st Heat: days(Farmer Practice): 218 days Avg litter size: On going (pregnant)	Satisfied with growth of HD-K75 than indigenous pig	-	-
10	Management of Helicoverpa in Indian beans by non chemical means	Indiscriminate use of insecticides	**T_1** Bio intensive module : (i) Monitoring through the pheromone traps, (ii)Spraying of Neem based pesticides	Beans	3	T1=Number of marketable fruits/plant=105, No of damaged fruits/plant=10, yield =110 q/ha, B:C	Farmers accepted the technology	IDM component should also be included	

			(iii) Hand piking of bigger larvae (iv) Spraying of *Ha*NPV **T_2** Farmers Practice			ratio=2.5:1, Net Return= Rs.55000, T2=Number of marketable fruits/plant=69, No of damaged fruits/plant=32, yield =96 q/ha, B:C ratio=2.2:1, Net Return= Rs.44000, T3=Number of marketable fruits/plant=42, No of damaged fruits/plant=41, yield =88 q/ha, B:C ratio=2:1, Net Return= Rs.35000,			
11	Management of collar rot of chick pea using Trichoderma along with combination of fungicide	High mortality at seedling stage	T_1 Seed treatment with Trichoderma harzionum @ 10g/kg of seed T_2 Seed treatment with Trichoderma harzionum @ 10 g/kg of seed + Propineb @ 1.5 g/ kg of seed T_3 Farmers **practice**	Chick pea	1	No of collar rot infested plants/ plot T_1- 88, T_2- 52, T_3- 224 Total no of plants /plot T_1- 802, T_2- 806, T_3- 750 % disease incidence T_1- 11, T_2- 6, T_3- 30 Yield (q/ha) T_1- 5.1, T_2- 5.4, T_3- 4.1	Farmers accepted the technology	-	
12	Management of late blight disease in potato	High incidence of late blight	• 1st spraying of Mancozeb 75 % @0.25 % (2.5g/litre) at canopy closure (35-40 days after planting) • 2nd spraying of Cymoxanil 8 % + Mancozeb 64% @ 0.25 % (2.5g/litre) at	Potato	3	T1 number of infested plant=4,Appearance of water soaked areas in the leaves and branches =13, Dead plants= 0, Yield = 105 q/ha, B:C ratio=2.3:1 T2 number of infested plant=88,Appearance of water soaked areas	Farmers accepted the technology		

			first appearance of the disease. • 3rd spraying of Mancozeb 75% @ 0.25% (2.5g/litre) after 10 days of 2nd spraying, • 4th spraying of Cymoxanil 8 % + Mancozeb 64% 0.25% (2.5g/litre) after 10 days of 3rd spraying			in the leaves and branches =142, Dead plants= 10, Yield = 88 q/ha, B:C ratio=1.8:1 T3 number of infested plant=186,Appearance of water soaked areas in the leaves and branches =289, Dead plants= 69, Yield = 48 q/ha, B:C ratio=1.2:1			
13	Assessment of low cost bottle trap for management of fruit fly in cucurbits (smooth gourd)	Large scale use of insecticide	T_1: Use of Bottle trap with lure (Cue lure) + BAT (50g jaggery+10g Fipronil 5% SC in 5 L water) spray at an interval of 15 days Farmers practice	Gourd	3	T1 No of marketable fruits/plant=28, no of damaged fruits/plant=0, percent reduction in fruit infestation – yield /unit area=188q/ha, B:C ratio=2.3:1 T2 No of marketable fruits/plant=14 no of damaged fruits/plant=8, percent reduction in fruit infestation – yield /unit area=170q/ha B:C ration=2:1 T3 No of marketable fruits/plant=11 no of damaged fruits/plant=26, percent reduction in fruit infestation – yield /unit area=160q/ha B:C ration=1.8:1	Farmers accepted the technology		

3.2 Achievements of Frontline Demonstrations during 2019-20

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

List of technologies demonstrated during previous years and popularized during 2019-20 and recommended for large scale adoption in the district

Sl. No	Crop and Variety/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Colocasia	Colocasia	2	25	10.0
2	Banana	Banana variety Malbhog	4	9	1.0

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed / Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1.	Banana	Popularization of variety	Variety Grand Naine (Tissue Culiture)	Summer, 2019	0.13	0.13	3	1	4	-	Irrigated			
2.	Summer Marigold	Popularization of variety	Variety Seracole	Summer, 2019	0.13	0.13	-	5	5	-	Irrigated			
3	Pumpkin	Popularization of variety	Variety Arjuna F1	Rabi, 2019	0.26	0.26	3	3	6	-	Irrigated			
4	Rice	Varietal performance	Submergence tolerance of Sali rice(Var: Bahadur Sub-1) with recommended package of practice	Kharif, 2019	2.0	2.0	5	-	5	-	Rainfed	M	L	M

5	Rice	Soil Management	Organic manure @ 1 t/ha (on dry weight basis) mixed inocula of *Azospirillium amazonense* . A-10 and *Bacillus megaterium P-5 @ 4 kg/ha (0.4 to 0.5 kg/* bigha), rock phosphate @ 10 kg P_2O_5 (56 kg/ha or 7.5 kg/ bigha), MOP @ 40 kg K_2O/ha (67 kg Potash/ha or 9 kg/bigha	Kharif, 2019	2.0	2.0	6	4	10	-	Rainfed	M	L	M
6	Rice	Soil Management	1.5 kg B /ha+ 5 kg Zn/ha + RD of NPK (60:20:40)	Kharif, 2019	1.5	1.5	2	3	5	-	Rainfed	M	L	M
7	Cabbage (NEH)	Varietal evaluation	Cabbage variety NSC 103B	Rabi, 2019	0.11	0.11	12	5	17	-	Irrigated			
8	Potato (NEH)	Varietal evaluation	Potato variety Kufri Jyoti	Rabi, 2019	6.6	6.6	48	1	49	-	Irrigated			
9	Cauliflower (NEH)	Varietal evaluation	Cauliflower variety Moti	Rabi, 2019	6.6	6.6	16	25	41	-	Irrigated			
10	Carrot (NEH)	Varietal evaluation	Carrot variety Rudhira	Rabi, 2019	0.143	0.143	5	11	16	-	Irrigated			
11	Brinjal(NEH)	Varietal evaluation	Brinjal variety PH-5	Rabi, 2019	1.0	10.	3	10	13	-	Irrigated			
12	Pea (NEH)	Varietal	Pea variety	Rabi, 2019	3.8	3.8	12	22	34	-	Irrigated			

		Evaluation	Arkel											
13	Blackgram (NEH)	Varietal Evaluation	Blackgram variety IPU 02-43	Rabi, 2019	8.0	8.0	-	59	59	-	Fainfed			
14	Maize (NEH)	Varietal evaluation	Maize variety HPQM & Bio-9544	Summer 2020	11.0	11.0	25	10	35	-	Rainfed	M	L	M
15	Sesamum (CFLD)	Varietal evaluation	Sesamum variety Koliabor til	Kharif 2019	10	10	12	13	25	-	Rainfed	M	L	M
16	Blackgram (CFLD)	Varietal Evaluation	Blackgram variety PU-31	Kharif, 2019	10	10	-	25	25	-	Rainfed	M	L	M
17	Rapeseed (CFLD)	Varietal evaluation	Rapeseed Variety- TS-46	Rabi, 2019	150	150	301	74	375	-	Rainfed	M	L	M
18	Paddy (APART)	Varietal evaluation	Sali rice variety Ranjit sub 1	Kharif 2019	63.41	63.41	47	139	186	-	Rainfed	M	L	M
19	Paddy (APART)	Varietal evaluation	Sali rice variety Bahadur sub 1	Kharif 2019	14.1	14.1	10	57	67	-	Rainfed	M	L	M
20	Paddy (APART)	Varietal evaluation	Sali rice variety Swarna sub 1	Kharif 2019	5.88	5.88	8	31	39	-	Rainfed	M	L	M
21	Cabbage	IPM	1. Border plantation of mustard crops against *Plutella xyllostella* (DBM) as trap crop, 2. Release of *Trichogramma chilonis, T.brassicae* at different stages of	Rabi, 2019	0.1	0.1	5	-	5		Irrigated	M	L	M

			crop and at different intervals 3. Mechanical collection of larvae, 4. Spraying of BT and NSKE at different intervals											
22	Blackgram (PKVY)	Organic production technology	Blackgram variety Local	Kharif 2019	10	10	25	-	25	-	Rainfed	M	L	M
23	Colocasia (PKVY)		Colocasia variety Local	Summer 2020	10	10	25	-	25	-	Rainfed	M	L	M
24	Turmeric + Arahar (PKVY)		Turmeric variety Local & Arahar variety local	Summer 2020	10	10	32	-	32	-	Rainfed	M	L	M

c. Performance of FLD on Crops during 2019-20

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. Yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. Of demo. (Rs./ha.)				Econ. Of check (Rs./Ha.)			
				Demo	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	Banana	Variety Grand Naine (Tissue Culture)	0.13	On going														
2	Summer Marigold	Variety Seracole	0.13	132.0	108.8	21.32	132.5	131.0	-	-	211965	660000	448035	3.11	201965	544000	342035	2.69

3	Pumpkin	Variety Arjuna F1	0.26	297.9	134.1	122.1	299.85	295.6	-	-	57799	368400.0	310601	6.37	45299	201150.0	155851	4.44
4	Paddy	Varietal performance	2.0	45.0	32.0	40.62	50.0	27.0	-	-	37328	81675	44347	2.18	34588	59895	25307	1.73
5	Paddy	Soil Management	2.0	50.0	32.0	56.25	52.0	28.0	-	-	37963	90750	52787	2.39	36337	58080	21743	1.6
6	Paddy		1.5	53.0	35.0	51.0	56.50	31.0	-	-	43226	96195	52969	2.22	36337	63525	27188	1.74
7	Cabbage	Varietal Evaluation	0.11	173.4	161.0	7.15	178.0	170.0	-	-	45212	260100	214888	5.75	45625	241500	195875	5.29
8	Potato		6.6	108.75	97.5	11.53	112	106	-	-	75289	217500	142211	2.89	78750	195000	116250	2.48
9	Cauliflower		6.6	145.0	139.0	4.31	150	140	-	-	48818	290000	241182	5.94	47375	278000	230625	5.87
10	Carrot		0.143	106.7	101.33	5.3	109	103	-	-	42312	160050	117738	3.78	34996	151995	116999	4.34
11	Brinjal		1.0	195.6	112.5	73.86	201	190	-	-	53746	293400	239654	5.46	65496	168750	103254	2.58
12	Pea		3.8	30	14	114.28	33	27	-	-	51500	180000	128500	3.5	38950	84000	45050	2.16
13	Blackgram		8.0	4.7	4.0	17.5	5.3	4.4	-	-	21701	35100	13399	1.62	17500	25700	8200	1.47
14	Maize		11.0	ongoing														
15	Sesamum		10	7.5	4	46.67	8.5	6.5	-	-	17808	48637	39167	2.73	14900	25940	16790	1.74
16	Blackgram		10	6.0	4.7	21.66	6.13	5.69	-	-	21701	34200	12499	1.58	18000	26790	8790	1.49
17	Rapeseed		150	8.9	6.5	26.97	8.97	8.78	-	-	23281.00	39382.50	16101.50	1.69	23130.00	28762.50	5632.50	1.24
18	Paddy		63.41	50.0	34.0	32	55.0	45.0	-	-	37963	90750	52787	2.39	36337	58080	21743	1.6
19	Paddy		14.1	47.0	33.0	29.79	55.0	42.0	-	-	37328	81675	44347	2.18	34588	59895	25307	1.73
20	Paddy		5.88	49.5	32.0	35.35	52.0	47.0	-	-	40226	90922	50969	2.26	33335	58520	25185	1.75
21	Cabbage	IPM	0.1	200	180	10%	210	160	Popula	Popula	4200	15000	10800	2.57	3800	1200	8200	2:1

									tion of natural predators=65, mummified larvae=18, yield = 200 q/ha	tion of natural predators=15, mummified larvae=0, yield = 180 q/ha						0		
22	Blackgram	Organic production technology	10	7.2	6.9	4.35	7.5	6.6	-	-	17600.00	41040.00	31690.00	2.3	18000.00	39330.00	21330.00	2.18
23	Colocasia		10	Ongoing														
24	Turmeric + Arahar		10	Ongoing														

d. Extension and Training activities under FLD on Crops

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days	1	30.11.19	27	-	27	
2	Farmers Training						
3	Media coverage						
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

e. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

-	-	-	-	-	-	-	-	-

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

(ii) Livestock Enterprises

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	Duckery (Vigova super-M)	Breed improvement	Demonstration on productive performance of Vigova Super M broiler duck.	5	5	75 birds	Avg Weight gain(g) Technology (week) DOC: 72 1s: 280 2nd:670 3rd: 920 4th:1210 5th:1510 6th:2180 Chick mortality: 4%	Avg Weight gain(g) 6th week: 1350 Chick mortality: 10 %	61.48 % increase body weight	-	-	-	-	-	1.9:1	-	-	-	-	Ongoing

2	Poultry (quail)	Breed improvement	Popularization of rearing of Japanese quail bird	6	6	175	Avg Weight gain(g) Technology (week) 2nd:105 4th:150 6th:187 8th:220 Age at 1st lay: 51 days Hen house egg production: 210/annum Adult mortality: 5% B:C: 2.57: 1	-	-	-	-	-	-	-	-	-	-	-	-	On going
3	Dairy(fodder)	Fodder	Fodder	15	15	0.067 ha/per	Green	Green												

		production and quality enhancement	production of Hybrid Napier			demo	fodder yield: 60t/ha No of cuttings: 4 cuttings/year Percentage of increase Milk yield : 20 %	fodder yield: 30t/ha No of cuttings: 2 cuttings/year											

(iii) Fisheries

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

(iv) Other enterprises

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Mushroom	Other beneficial organisms	Chemical free method of mushroom production technology	8	8	Days taken for spawn run-11days , Days taken for pin head formation=19, time taken for I, II and III flush = 21,26, 32 days, yield data = 25 kg,	Days taken for spawn run-14days , Days taken for pin head formation=23, time taken for I, II and III flush = 25,29, 38 days, yield data = 16 kg,	Farmers feed back = very adoptable method	-	-	5000	16000	11000	3.2	3200	8500	6800	2.67	Mushroom

2	Stored grain	Stored grain pests	Safe storage of grains using pro super grain bags	10	10	% insect infestation after 6 months =3, % insect infestation after one year= 4%, germination %=90 % B:C ratio= 5:1	% insect infestation after 6 months =52, % insect infestation after one year= 62, germination %=47 % B:C ratio= 2.6:1	-	-	-	1750	4050	1625	1.4:1	1750	4050	2115	1.2:1	Stored grain
3	Natural dyes	Organic dye introduction / utilization	Application of natural dyes with Alum as mordant	9 no.s	9	Intensity of colour with alum (9 point hedonic Scale) 7	Intensity of colour without alum (9 point hedonic Scale) 5.8	58.5%	Farmers reaction 6.8	Farmers reaction 5.4	-	-	-	-	-	-	-	-	

(v) Farm Implements and Machinery

Sl. No.	Name of implement	Crop	Name of Technology demonstrated	No. of farmers	Area (In ha.)	Field observation (Output/ man-hours)		% change in the parameter	Labour reduction (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				
-	-	-	-	-	-	-	-	-	-	-	-

f. Performance of FLD on Crop Hybrids

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

3.3. Achievements on Training

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

Thematic area	No. of Courses/ prog			Participants																		
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		Grand Total (x+y)
	On-Campus (1)	Spon On* (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a=4+6)	Sp. On (b=5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c=8+10)	Sp. On (d=9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x=a+c)	Sp. On (y=b+d)	
I. Crop Production																						
Weed Management																						
Crop Manage																						

ment																					
Resource Conservation Technologies																					
Cropping Systems																					
Crop Diversification																					
Integrated Farming																					
Water management																					
Seed production																					
Nursery management																					
Integrated Crop Management																					
Fodder production																					
Production of organic inputs																					
II. Horticulture																					
a) Vegetable Crops																					
Production of low																					

volume and high value crops																					
Off-season vegetables																					
Nursery raising																					
Exotic vegetables like Broccoli																					
Export potential vegetables																					
Grading and standardization																					
Protective cultivation (Green Houses, Shade Net etc.)	1	-	1	8	-	-	-	8	-	8	-	9	-	17	-	16	-	9	-	25	-	25
b) Fruits																					
Training and Pruning																					
Layout and Management of																					

Orchards																					
Cultivation of Fruit																					
Management of young plants/orchards																					
Rejuvenation of old orchards																					
Export potential fruits																					
Micro irrigation systems of orchards																					
Plant propagation techniques	1	-	1	2	-	1	-	3	-	4	-	13	-	17	-	6	-	14	-	20	-	20
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					

Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					
Processing and value addition																					
e) Tuber crops																					
Production and Management technology																					
Processing and value addition	1	-	1	-	-	9	-	9	-	-	-	12	-	12	-	-	-	21	-	21	-	21
f) Spices																					
Production and Management technology	1	-	1	1	-	-	-	1	-	24	-	-	-	24	-	25	-	-	-	25	-	25
Processing and																					

value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management	1		1	4		6			10			15		15		4		21		25		25
Soil and Water Conservation																					
Integrated Nutrient Management																					
Production and use of organic inputs																					
Manage																					

ment of Problematic soils																					
Micro nutrient deficiency in crops																					
Nutrient Use Efficiency																					
Soil and Water Testing																					
IV Livestock Production and Management																					
Dairy Management	1	-	1	23	-	-	-	23	-	2	-	-	-	2		25	-	-	-	25	-	25
Poultry Management																					
Piggery Management	1	-	1	18	-	7	-	25	-	-	-	-	-	-	-	18	-	7	-	25	-	25
Rabbit Management																					
Disease Management																					
Feed management																					
Production of quality animal products																					

V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	25	0	25
Gender mainstreaming through SHGs																						
Storage loss	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	25	0	25

minimization techniques																						
Value addition	2	0	2	0	0	35	0	35	0	0	0	5	0	5	0	0	0	0	0	40	0	40
Income generation activities for empowerment of rural Women	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	00	25	0	25
Location specific drudgery reduction technologies																						
Rural Crafts	1	0	1	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	25	0	25
Women and child care	1	0	1	0	0	14	0	14	0	0	0	1	0	1	0	0	0	0	0	15	0	15
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming																						

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

diseases																					
Production of bio control agents and bio pesticides																					
VIII Fisheries																					
Integrated fish farming																					
Carp breeding and hatchery management																					
Carp fry and fingerling rearing																					
Composite fish culture	2		2		18				18		75		7		82		93		7		100	100
Hatchery management and culture of freshwater prawn																					
Breeding and culture of ornamental fishes																					
Portable plastic																					

carp hatchery																					
Pen culture of fish and prawn																					
Shrimp farming																					
Edible oyster farming																					
Pearl culture																					
Fish processing and value addition																					
High density fish Culture	1		1	4		4				15		6		21		19		6		25		25
IX Production of Inputs at site																					
Seed Production																					
Planting material production																					
Bio-agents production																					
Bio-pesticides productio																					

n																					
Bio-fertilizer production																					
Vermi-compost production																					
Organic manures production																					
Production of fry and fingerlings																					
Production of Bee-colonies and wax sheets																					
Small tools and implements																					
Production of livestock feed and fodder																					
Production of Fish feed																					
X Capacity Building and Group Dynamics																					
Leadershi																					

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

Thematic area	No. of Courses/ prg.			Participants																		Grand Total
				General						SC/ST						Total						
	Off	Sp Off *	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				Off	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	
I. Crop Production																						
Weed Management	1	-	1	5	-	20	-	25	-	-	-	-	-	-	-	5	-	20	-	25	-	25
Resource Conservation Technologies	1	-	1	12	-	-	-	12	-	13	-	-	-	13	-	25	-	-	-	25	-	25
Cropping Systems	1	-	1	-	-	25	-	25	-	-	-	-	-	-	-	-	-	25	-	-	25	25
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production	1	-	1	17	-	8	-	25	-	-	-	-	-	-	-	17	-	8	-	25	-	25
Nursery management																						
Integrated Crop	1	-	1	19	-	6	-	25	-	-	-	-	-	-	-	19	-	6	-	25	-	25

Management																						
Fodder production	1	-	1	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	-	25
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization																						

Protective cultivation (Green Houses, Shade Net etc.)																					
Organic Cultivation	1	-	1	-	-	-	-	-	-	17	-	8	-	25	-	17	-	8	-	25	-	25
b) Fruits																					
Training and Pruning																					
Layout and Management of Orchards	2	-	2	-	-	-	-	-	-	10	-	40	-	50	-	10	-	40	-	50	-	50
Cultivation of Fruit	1	-	1	-	-	-	-	-	-	5	-	20	-	25	-	5	-	25	-	25	-	25
Management of young plants/orchards																					
Rejuvenation of old orchards																					
Export potential fruits																					
Micro irrigation systems of orchards																					

Plant propagation techniques																					
Post harvest technology and value addition	2	-	2	-	-	-	-	-	-	4	-	43	-	47	-	4	-	43	-	47	-	47
c) Ornamental Plants																					
Nursery Management																					
Management of potted plants																					
Export potential of ornamental plants																					
Propagation techniques of Ornamental Plants																					
d) Plantation crops																					
Production and Management technology																					

Processing and value addition																					
e) Tuber crops																					
Production and Management technology	1	-	1																		32
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					

Post harvest technology and value addition																					
III Soil Health and Fertility Management																					
Soil fertility management	8	0	8	31	0	58	0	89	0	11	0	100	0	86	0	9	0	41	0	200	0	200
Soil and Water Conservation																					
Integrated Nutrient Management																					
Production and use of organic inputs																					
Management of Problematic soils																					
Micro nutrient deficiency in crops																					
Nutrient Use Efficiency																					
Soil and Water																					

Testing																					
IV Livestock Production and Management																					
Dairy Management	1	-	1	16	-	9	-	25	-	-	-	-	-	-	-	16	-	9	-	25	-	25
Poultry Management	1	-	1	-	-	1	-	1	-	-	-	24	-	24	-	-	-	25	-	25	-	25
Piggery Management																						
Rabbit Management																						
Disease Management	1	-	1	14	-	2	-	16	-	3	-	6	-	9	-	17	-	8	-	25	-	25
Feed management	1	-	1	-	-	-	-	-	-	14	-	11	-	25	-	14	-	11	-	25	-	25
Production of quality animal products																						
Sheep & Goat	1	-	1	-	-	-	-	-	-	25	-	-	-	25	-	25	-	-	-	25	-	25
IFS	1	-	1	-	-	-	-	-	-	23	-	2	-	25	-	23	-	2	-	25	-	25
V Home Science/Women empowerment																						
Household food security by kitchen	1	0	1	0	0	0	0	0	0	14	0	11	0	25	0	14	0	11	0	25	0	25

gardening and nutrition gardening																					
Design and development of low/minimum cost diet																					
Designing and development for high nutrient efficiency diet																					
Minimization of nutrient loss in processing																					
Gender mainstreaming through SHGs																					
Storage loss minimization techniques																					

Value addition	3	0	3	6	0	69	0	75	0	0	0	0	0	0	0	00	6	69	0	75	0	75
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies	1	0	1	0	0	2	0	2	0	0	0	23	0	23	0	23	0	23	0	25	0	25
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and																						

implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management	2	0	2	30	0	0	0	30	0	24	0	1	0	25	0	54	0	1	0	55	0	55
Integrated Disease Management	1	-	1	19	-	6	-	25	-	-	-	-	-	-	-	19	-	6	-	25	-	25
Bio-control of pests and diseases	1	-	1	7	-	-	-	7	-	16	-	2	-	18	-	23	-	2	-	25	-	25
Production of bio control agents and bio pesticides																						
ITK	1	-	1	-	-	-	-	-	-	19	-	6	-	25	-	19	-	6	-	25	-	25
Stored grain	1	-	1	-	-	-	-	-	-	8	-	17	-	25	-	8	-	17	-	25	-	25
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling																						

rearing																					
Composite fish culture	1		1							18		7		25		18		7		25		25
Hatchery management and culture of freshwater prawn																					
Breeding and culture of ornamental fishes																					
Portable plastic carp hatchery																					
Pen culture of fish and prawn																					
Shrimp farming																					
Edible oyster farming																					
Pearl culture																					
Fish processing and value addition																					
Fish Health Management	1		1							15		10		25		15		10		25		25
IX Production of Inputs at site																					
Seed Production																					

Planting material production																					
Bio-agents production																					
Bio-pesticides production																					
Bio-fertilizer production																					
Vermi-compost production																					
Organic manures production																					
Production of fry and fingerlings																					
Production of Bee-colonies and wax sheets																					
Small tools and implements																					
Production of livestock feed and fodder																					
Production of Fish feed																					
X Capacity Building and Group Dynamics																					
Leadership development																					
Group dynamics																					

Formation and Management of SHGs																					
Mobilization of social capital																					
Entrepreneurial development of farmers/youths																					
WTO and IPR issues																					
XI Agro-forestry																					
Production technologies																					
Nursery management																					
Integrated Farming Systems																					
TOTAL																					
(B) RURAL YOUTH																					

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

Thematic area	No. of Courses/ Prog			Participants																		Grand Total (x + y)
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	On (1)	Sp On * (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x = a +c)	Sp. On (y= b +d)	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming	1	-	1	11	-	5	-	16	-	3	-	6	-	9	-	14	-	11	-	25	-	25
Planting material production	1	-	1	5	-	1	-	6	-	1	-	23	-	24	-	6	-	24	-	30	-	30
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						

Repair and maintenance of farm machinery and implements																					
Nursery Management of Horticulture crops																					
Training and pruning of orchards																					
Value addition																					
Production of quality animal products																					
Dairying																					
Sheep and goat rearing																					
Quail farming																					
Piggery																					
Rabbit farming																					
Poultry production																					
Ornamental fisheries																					
Para vets																					
Para extension workers																					
Composite fish culture																					

Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts	1	0	1	0	0	23	0					2	0	2	0	0	0	25	0	25	0	25
TOTAL																						

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

Thematic area	No. of Courses/ Prog.			Participants																		Grand Total
				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*	
Mushroom Production	1	-	1	13	-	4	-	17	-	5	-	3	-	8	-	18	-	7	-	25	-	25
Bee-keeping																						
ITK	1	-	1	13	-	8	-	21	-	6	-	-	-	6	-	19	-	8	-	27	-	27

Bio pesticides	1	-	1	15	-	9	-	24	-	1	-	-	-	1	-	16	-	9	-	25	-	25
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Medicinal	1	-	1																			25

and Aromatic Plants																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery	1	-	1	-	-	-	-	-	-	-	-	25	-	25	-	-	-	25	-	25	-	25
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture	1		1							15		10		25	15			10		25		25
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						

Fry and fingerling rearing																							
Small scale processing																							
Post Harvest Technology																							
Tailoring and Stitching																							
Rural Crafts	3	0	3	0	0	25	0	25	0	0	0	40	0	40	0	0	0	65	0	65	0	65	
TOTAL																							

C. Extension Personnel

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

Thematic area	No. of Courses/ prog			Participants																			Grand Total (x + y)
				General						SC/ST						Total							
				Male		Female		Total		Male		Female		Total		Male		Female		Total			
	On (1)	Sp On * (2)	Total (1+2)	On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x = a +c)	Sp. On (y= b +d)	
Productivity enhancement in field crops																							
Disease management	1	-	1	15	-	10	-	25	-	-	-	-	-	-	-	15	-	10	-	25	-	25	
Integrated Pest Management																							
Integrated Nutrient management																							
Rejuvenation																							

of old orchards																						
Layout and management of orchard	1	-	1	-	-	2	-	2	-	-	-	23	-	23	-	-	-	25	-	25	-	25
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and																						

fodder production																					
Household food security																					
Women and Child care																					
Low cost and nutrient efficient diet designing																					
Production and use of organic inputs																					
Gender mainstreaming through SHGs																					

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

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
				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*	
Productivity enhancement in field crops																						
Soil Health	1	0	1	12	0	0	0	12	0	13	0	0	0	13	0	12	0	13	0	25	0	25
Integrated Pest Management	1	-	1	-	-	-	-	-	-	6	-	19	-	25	-	6	-	19	-	25	-	25
Organic agriculture	1	-	1	11	-	2	-	13	-	9	-	3	-	12	-	20	-	5	-	25	-	25
Integrated																						

Nutrient management																					
Rejuvenation of old orchards																					
Protected cultivation technology																					
Formation and Management of SHGs																					
Group Dynamics and farmers organization																					
Information networking among farmers																					
Capacity building for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues																					
Management in farm animals																					
Livestock feed and																					

fodder production																						
Household food security																						
Women and Child care	2	0	2	0	0	35	0	35	0	15	0	15	0	0	0	0	0	50	0	50	0	50
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
TOTAL																						

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

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Horticulture	Scientific cultivation	Scientific cultivation technology of black pepper	04-06-19	1 day	On Campus	Farmer & Farm women	1	-	1	24	-	24	25	-	25
	Protected cultivation	Protected cultivation techniques of off-season vegetable crops	27-11-19	1 day	On Campus	Farmer & Farm women	8	-	8	8	9	17	25	-	25
	PHM, Processing and VA	Processing and value addition of Tapioca	20th, 21st and 22nd November, 2019	3 days	On Campus	Farmer & Farm women	-	9	9	-	12	12	-	21	21
	Propagation techniques	Commercial nursery raising and propagation techniques of horticultural crops	14-02-20 to 19-02-20	5 days	On Campus	Farmer & Farm women	2	1	3	4	13	17	6	14	20
	Propagation techniques	Commercial nursery raising and propagation techniques of horticultural crops	09-12-19 to 13-12-19	5 days	On Campus	RY	5	1	6	1	23	24	6	24	30
	Layout and orchard manageme	Multi-storey cropping system	28-02-2020	1 day	On Campus	EP	-	2	2	-	23	23	25	-	25

	nt														
Community science	Value addition	Drafting & construction of children garments & value addition through block printing	10th, 12th Sept., 20	2 days	On campus	Farmers & Farm women	-	15	15	-	-	-	-	15	15
	Craft	Artificial silk thread jewelry making	1-19 Nov, 20	2 days		Rural youth	-	25	25	-	-	-	-	25	25
Soil Science	Production technology	Production technology of Azola and its role in agriculture	12.03.2020	1 day	On campus	Farmers and Farm Women	4	6	10		15	15	4	21	25
Animal Science	Disease management	Scientific Management of Infertility in Cattle and Artificial insemination in cow	20.03.2020	1 day	On campus	Extension functionaries	15	10	25	-	-	-	15	10	25
Fishery Science	Composite fish culture	Composite fish culture	20.01.2020-25.01.2020	5 days	On campus	Farmers and Farm Women	9		9	40	1	41	49	1	50
	Composite fish culture	Composite fish culture	18.02.2020-22.02.2020	5 days	On campus	Farmers and Farm Women	9		9	35	6	41	54	6	50
	High density fish farming	High density fish culture practices	25.02.2020	1day	On campus	Farmers and Farm Women	3		3	15	7	22	18	7	25
Animal Science	Pig farming	Commercial pig farming and its scientific management	12/10/19 & 25/10/19	2days	On campus	Farmers and Farm Women	16	7	23	2	-	2	18	7	25

	Dairy management	Scientific dairy farming	29.01.20	1 day	On campus	Rural youth	20	-	20	5	-	5	25	-	25
	IFS	Integrated farming system (IFS) for doubling income generation	6-7 March, 20	2 days	On campus	Farmers and Farm Women	7	6	13	6	6	12	13	12	25

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy	Fodder Production	Agronomic management practices for fodder crops	8.6.2019	1 day	Bhawraguri	Farmer & Farm women	-	-	-	25	-	25	25	-	25
	Integrated crop management	Scientific production technology of green manuring crops	11.06.2019	1 day	Barzabil	Farmer & Farm women	16	9	25	-	-	-	16	9	25
	Cropping system	Improved production technology of Rice-Toria sequence for doubling farmers income		1 day	Gossaigaon	Farmer & Farm women	-	25	25	-	-	-	-	25	25

	Resource Conservation	Conservation agriculture	11.03.2020	1 Day	SDAO office	Extension functionaries	12	-	12	13	-	13	25	-	25
	Seed production	Improved production technology of Rice with special emphasis on seed certification		2 days		Farmers & farm women	17	8	25	-	-	-	17	8	25
	Weed management	Weed management in kharif pulses (Blackgram, greengram etc.)		1 day		Farmers & farm women	5	20	25	-	-	-	5	20	25
Horticulture	Layout and orchard management	Multi-storey cropping system	17-06-19 to 18-06-19	2 days	Gomabil, Dotma	Farmer & Farm women	-	-	-	10	15	25	10	15	25
	Layout and orchard management	Multi-storey cropping system	25-01-2020 and 29-01-2020	2 days	Malaguri	Farmer & Farm women	-	-	-	-	25	25	-	25	25
	Organic cultivation	Organic productin techniques of Horticulture crops	19th, 21st and 23th September, 2019	3 days	Monglajhora	Farmer & Farm women	-	-	-	17	8	25	17	8	25
	Post Harvest Management and Value Addition	Post Harvest Management and Value Addition in Horticultural Produce	7th, 9th, 10th and 13th September, 2019	4 days	Gomabil	Farmer & Farm women	--	-	-	1	22	23	1	22	22
	Post Harvest Manageme	Post Harvest Management and Value	05-08-19 to 08-8-19	4 days	quintenpur	Farmer & Farm women	-	-	-	3	22	25	3	22	25

	nt and Value Addition	Addition in Horticultural Produce													
	Scientific cultivation	Scientific cultivation technology of Strawberry	25th and 26th October, 2019	2 days	Srirampur	Farmer & Farm women	-	-	-	5	20	25	5	20	25
	Medicinal crop	Entrepreneurship development through Stevia cultivation in Kokrajhar District, Assam	13-03-2020	1 day	Kakormari, Kokrajhar	RY	-	-	-	19	6	25	19	6	25
	Cultivation and management	Production technology of Turmeric	27.02.2020	1 day	Monglajhora	Farmer & Farm women	-	-	-	22	10	32	22	10	32
Fishery Science	Fish Health	Common fish diseases and their control with special emphasis on upcoming Epizootic Ulcerative Syndrome *(EUS)*	11.03.2020 to 12.03.2020	2 days	Choto Binyakhata	Farmer & Farm women				15	10	25	15	10	25
	Composite fish culture	Aquaculture diversification and climate smart fish culture practices	28.02.2020	1 day	Koklingbari	Farmer & Farm women				16	9	25	16	9	25
Community science	Adolescent health	Hygiene and sanitation for adolescent girls	22.08.19	1 Day	Dotma	RY	0	9	9	0	16	16	0	25	25
	Disease and diet	Deficiency disease and diet	17.08.19	1 day	Bhumka PHC	Extension Functionaries	0	9	9	-	16	16	-	25	25
	Drudgery	Drudgery	16.09.19	1 day	Gardenpur	Farmers and	0	0	0	0	25	25	0	25	25

	reduction	Reduction tools for Farm women				Farm W omen									
	Printing	Mural clay art Printing	04.12.19	1 day	Srirampur	Rural Youth	0	22	22	0	3	3	0	25	25
	Nutritional gardening	Household nutrition security through nutritional Gardening	07.03.20	1 Day	Bhomrabil	Farmers and Farm W omen	0	15	15	0	10	10	0	25	25
	Disease and diet	Communicable and life style diseases	30.01.20	1 Day	Koklingbari	Rural myouth	0	0	0	0	25	25	0	25	25
	Value addition	Value addition of fabric through tie and dye	19.08.19	1 day	Gomobil	Rural Youth	0	0	0	2	23	25	2	23	25
	Disease and diet	Malnutrition and obesity and its treatment	16.08.19	1 day	Gossaigaon PHC	Extension Functionaries	0	20	20	-	5	5	-	25	25
Soil science	Fertility management	Fertility management practices for plantation crop (Coconut and Arecanut)	1 day	05.03. 2020	Malaguri	Rural youth					25	25		25	25
	Nutrient management	Integrated nutrient management in Sali paddy	1 day	24.09. 2019	Janali	Farmers and Farm W omen				6	19	25	6	19	25
	Fertility management	Fertilizer use efficiency for field crops	1 day	10.10. 2019	Dwikharguri	Farmers and Farm W omen		1	1		24	24	1	24	25
	Fertility management	Management of soil acidity for oilseed and pulse crop	1 day	11.10. 2019	Bodopur	Farmers and Farm W omen				3	22	25	3	22	25
	Fertility manageme	Role of Zinc and Boron in paddy	1 day	12.10. 2019	Kashiabari	Farmers and Farm W omen				3	22	25	3	22	25

	nt														
	Fertility management	Role of Sulpher and Boron for oilseed crop	1 day	16.10.2019	Hasdaha	Farmers and Farm W omen	14	11	25				14	11	25
	Fertility management	Fertility management for sustainable vegetable production	1 day	17.10.2019	Kholisenimari	Farmers and Farm W omen	10	15	25				10	15	25
	Fertility management	Fertility management for rabi pulses	1 day	24.10.2019	Thuribari	Farmers and Farm W omen					25	25		25	25
	Soil and water conservation	Harvesting and Soil water conservation	1 day	25.10.2019	Kachugaon	Farmers and Farm Women	4	21	25				4	21	25
	Soil Health Card	Uses of soil health card for crop production and soil health management	1 day	11.03.2020	SDAO office	Extension functionaries	12	-	12	13	-	13	25	-	25
Animal Science	Poultry management	Broiler farming for income generation	1 day	26.08.19	Goladangi	Farmers and Farm Women	-	1	1	-	24	24	-	25	25
	Dairy farming	Production & management practices of dairy animal	1 day	16.09.19	Quintenpur	Farmers and Farm Women	16	9	25	-	-	-	16	9	25
	Pig farming	Scientific pig farming	2 days	24-25 September, 19	Pakriguri	Rural Youth	-	25	25	-	-	-	-	25	25
	Disease management	Disease of poultry , its management	1 day	31.10.19	Khasiabari	Farmers and Farm Women	13	2	15	3	7	10	16	9	25

		and control measures													
	Housing management	Scientific management & housing of Sheep & Goat	1 day	08.11. 19	Tipkai	Farmers and Farm Women	-	-	-	25	-	25	25	-	25
	IFS	Livestock based integrated farming system (IFS)	2 days	28-29 November, 19	Koklingbari	Farmers and Farm Women	-	-	-	23	2	25	23	2	25
	Dairy management	Scientific management, breeding and healthcare management of dairy cow	1 day	21.12. 19	Patgaon	Farmers and Farm Women	-	-	-	15	10	25	15	10	25
Plant Protection	IPM	IPM & IDM in kharif crops- cereals and vegetables	2 day	6-7 September, 2019	Basbari	Farmers and Farm Women	30	-	30	-	-	-	30	-	30
		IPM & IDM in rabi crops- cereals & vegetables	2 days	7-8 November, 2019	Koklingbari	Farmers and Farm Women	-	-	-	24	1	25	24	1	25
		Recent advances in plant protection	1 day	28.11. 2019	Karigaon	Extension functionaries	-	-	-	6	19	25	6	19	25
	ITK	Application of ITKs in pest and disease management in kharif crops	1 day	19.09. 209	Manglajhora	Farmers and Farm Women	-	-	-	19	6	25	19	6	25
		Pest forecasting and ITKs	1 Day	13.11. 2019	Changmari	Rural youth	19	8	27	-	-	-	19	8	27
	IDM	IPM & IDM of kharif pulse	1 day	19.10. 2019	Saraibil	Farmers and Farm Women	19	6	25	-	-	-	19	6	25
	Bio-control	Inorganic	1 day	25.10.	Bhomrabil No	Farmers and	7	-	7	18	-	18	25	-	25

	of pests and diseases	pesticides- Uses and misuses		2019	2	Farm Women										
	Stored grain	Management of stored grain insect pests	1 day	31.10. 2019	Ballimari	Farmers and Farm Women	-	-	-	7	18	25	7	18	25
	Organic agriculture	Organic agriculture with reference to Biopesticides & other Bio agents	1 day	21.1.2 020	Serfanguri north	Rural youth	15	9	24	1	-	1	26	9	25
		Importance of use of organic in healthy life	1 day	22.01. 2020	Gossaigaon	Extension functionaries	10	3	13	9	3	12	19	6	25

(D) Vocational training programmes for Rural Youth

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

Honey bee production	3-6 February, 2020	4 days	Honey bee	Skill development training on honey production technology	12	2	14	9	2	11	21	4	25	Honey production	-	-	-	-
Mushroom	24-27 September, 2019	4 days	Mushroom production	Skill development training on production technology of Oyster Mushroom	22	8	30	5	-	5	27	8	35	Mushroom production	6	20	30000.00	-
Piggery	27-02-2020 to 29-02-2020	3 days	Pig farming	Scientific pig farming	-	-	-	16	4	20	16	4	20	Pig farming	4	6	-	-
Fruits and vegetable	09-12-19 to 13-12-19	5 days	Propagation techniques	Commercial nursery raising and propagation techniques of horticultural	2	1	3	4	13	17	6	14	20	Commercial nursery	1		-	

				crops														
Organic input	14.03.2020 to 19.03.2020	6 days	Organic input	Organic input production technology for entepreneorship development	2	4	6	1	8	9	3	12	15	Vermi compost	15	15	1440	
value addition	11th to 14th Nov, 2019	4 days	Value addition	4 days vocational training on 'value addition of fabric through embroidery'	-	10	10	-	5	5	-	15	15	Own embroidery unit	1	2	24,000/- annually	no
Handloom	20-22 March, 2020	3 days	Value addition & weaving	3 days vocational training on decorative carpet making in frame loom	-	-	-	-	15	15	-	15	15	1	1	2	6000.00	-

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

On/	**Benefi**	**Date**		**Discipline**	**Area of**	Title	**No. of Participants**	**Sponsoring**	**Amou**

Off/ Vocational	ciary group (F/ FW/ RY/ EP)	(From-To)	Duration (days)		training		General			SC/ST			Total			Agency	nt of fund received (Rs.)
							M	F	T	M	F	T	M	F	T		
On	RY	5-11 February, 2020	6 days	Horticulture	Mushroom production	Mushroom Production Technique	15	6	21	4	3	7	19	9	28	MANAGE, Hyderabad, SAMATI, Assam	42,000.00
On campus	F/FW	20.01.2020 – 25.01.2020	5	Fishery Science	Composite Fish Culture	Composite Fish Culture	9	-	9	40	1	41	49	1	50	College of Fisheries, Raha	2,17,750.00
On campus	F/FW	18.02.2020 – 22.02.2020	5	Fishery Science	Composite Fish Culture	Composite Fish Culture	9	-	9	35	6	41	44	6	50	College of Fisheries, Raha	2,17,750.00
Total							33	6	39	79	10	89	112	16	128		

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

Sl. No.	Extension Activity	Topic	Date and duration	No. of activities	Participants											
					General (1)			SC/ST (2)			Extension Officials (3)			Grand Total (1+2)		
					M	F	T	M	F	T	M	F	T	M	F	T
1.	Advisory services		April, 19 to March, 20	319	139	91	230	71	188	259	0	0	0	210	279	489
2.	Diagnostic visit			105	119	87	206	202	124	326	15	0	15	336	211	547
3.	Field day			6	87	78	165	85	62	147	0	0	0	172	140	312
4.	Group Discussion			22	91	57	148	110	91	201	0	0	0	201	148	349
5.	Kishan Gosthi															
	Kishan Mela															
6.	Film show															
7.	SHG formation															
8.	Exhibition			5	189	105	294	223	128	351	10	0	10	422	233	655
9.	Scientists visit to farmers			8	79	39	118	95	61	156	6	0	6	180	100	280

	fields																
10.	Animal Health camp			1	-	-	-	54	-	54	3	-	3	57	-	57
11.	Farm science club															
12.	Ex-trainee Sammelan															
13.	Farmers seminar/ workshop															
14.	Method demonstration			12	59	41	100	41	59	100	39	13	52	139	113	252
15.	Celebration of important days			13	139	49	188	149	85	234	0	0	0	288	134	422
16.	Exposure visits			2	0	0	0	32	24	56	0	0	0	32	24	56
17.	Electronic media (CD/DVD)			2	0	0	0	18	6	24	0	0	0	18	6	24
18.	Extension literature															
19.	Newspaper coverage			9												
20.	Popular articles															
21.	Radio talk															
22.	TV talk															
23.	Training manual															
24.	Soil health camp															
25.	Awareness camp			5	57	41	98	99	57	156	4	0	4	160	98	258
26.	Lecture delivered as resource person			2	139	91	230	141	109	250	0	0	0	280	200	480
27.	PRA			1	19	15	34	53	33	86	0	0	0	72	48	120
28.	Farmer-Scientist interaction			3	27	15	42	22	18	40	0	0	0	49	33	83
29.	Soil test campaign															
30.	Mahila Mandal Convener meet															
31.	Farmers Visit to KVK			812	207	104	311	283	218	501	0	0	0	490	322	812
32.	Swacch Bharat campaign			10	79	41	55	101	79	180	3	0	3	183	120	303
33.	Web Casting			1	47	39	55	55	52	107	2	0	2	104	91	195
34.	NADCP (for FMD and Brucellosis)			1	-	-	-	48	-	48	-	-	-	48	-	48
35.	Fertilizer Application awareness programme			1	98	39	69	14	42	56	0	0	0	112	81	193
Grand Total				1021	1436	841	2113	1825	1248	3073	82	13	95	3343	2102	5446

3.5 Production and supply of Technological products during 2019-20

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Ranjit sub 1	53.5	157016.00	13	18	31
		Bahadur Sub 1	14.22	25840.00	6	5	11
		Numali	2.3	-			
	Buckwheat	Local	3.98	26189.00	1	-	1
OILSEEDS	Niger	NG-1	1.73	5973.50	1	-	1
	Sesamum (CFLD)	Koliabor til	75.0	-			
	Rapeseed (CFLD)	TS-46	1335.0	-			
PULSES	Blackgram (CFLD)	PU-31	60.0	-			
	Blackgram (NEH)	IPU 02-43	37.6	-			
VEGETABLES	-	-	-	-	-	-	-
FLOWER CROPS	-	-	-	-	-	-	-
OTHERS (Specify)	Finger millet	Local	0.8	1490	1	-	1

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

Sl. No.	Major group/class	Quantity (q) produced	Quantity (q) supplied	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
					General	SC/ST	Total
1	CEREALS	74.0	185.12 (includes seeds of previous year)	209045.00	20	23	43
2	OILSEEDS	1411.73	1.4	5973.50	1	-	1
3	PULSES	97.6	-	-	-	-	-
4	VEGETABLES	-	-	-	-	-	-
5	FLOWER CROPS	-	-	-	-	-	-
6	OTHERS	0.8	1.49	1490	1	-	1
TOTAL		**1584.13**	**188.01**	**216508.50**	**22**	**23**	**45**

B. Production and supply of Planting Materials(Nos. in No.) during 2019-20

Major group/class	Crop	Variety	Quantity (In No.) produced	Quantity (In No.) suppliedced	Value (Rs.) of quantity produced	Number of recipient/ beneficiaries		
						General	SC/ST	Total
Fruits	Lemon	Assam lemon	1534	1534	46020	11	18	29
	Pineapple	Kew	3000	3000	9000.00	3	9	12
	Banana	Malbhog	439	-	-			
Spices								
Ornamental Plants								
VEGETABLES								
Forest Spp.								
Plantation crops	Fodder	Napier	24630	24630	12315.00	7	-	7
Medicinal plants								

OTHERS (Pl. Specify)								

C. Production of Bio-Products during 2019-20

Major group/class	Product Name	Species	produced Quantity		Value (Rs.)	Number of Recipient /beneficiaries		
			No	(qt)		General	SC/ST	Total
BIOAGENTS	Earthworm	*Eisenia foteda*	2050	-	4100.00	5	3	8
BIOFERTILIZERS	Vermicompost	-	-	35.20	42240.00	12	15	27
1								
2								
3								
4								
BIO PESTICIDES								
1								
2								
3								
4								

D. Production of livestock during 2019-20

Sl. No.	Type/ category of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
1	**Cattle/ Dairy**							
2	**Goat**	Sirohi	2		9500.00	-	1	1
3	**Piggery**							
4	**Poultry**							
	Eggs	Japanees Quail	335		1340.00	17	13	30
		Kamrupa	270		2160.00	11	16	27
		Kadaknath	143		2145.00	7	8	15
		Duck	393		3537.00	17	24	41
5	**Fisheries**							
6	**Others (Specify)**							
	Total		**1143**	**0**	**18682.00**	**52**	**62**	**114**

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

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

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies	
			Produced/ published	Supplied/ distributed
Research papers	-	-	-	-
1.				
2.				

3.				
Training manuals	-	-	-	-
Technical Report	-	-	-	-
1.				
2.				
3.				
Book/ Book Chapter	-	-	-	-
Popular articles	-	-	-	-
Technical bulletins	-	-	-	-
Extension bulletins	-	-	-	-
Newsletter	-	-	-	-
Conference/ workshop proceedings	-	-	-	-
Leaflets/folders	-	-	-	-
e-publications	-	-	-	-
Any other (Pl. specify)	-	-	-	-
TOTAL	-	-	-	-

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

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number produced
1.	**CD**	**Video on Eri Silkworm Rearing in Kokrajhar District**	
2		**Video on Tie & Dye**	

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

1. Livelihood security of a rural youth through livestock and fish farming in village Koklingbari of Kokrajhar district

Background Profile:

Livestock rearing plays an important role in the tribal economy of Kokrajhar district as bulk and preferential diet for them is an animal origin protein *i.e.* pork, chicken, egg and fish *etc*. Almost every tribal household of the district rear at least one or two pigs, indigenous chicken and duck in backyard but still a wide gap exists between demand and availability of pork, chicken and egg in the market. The main reason in the insufficiency for production is rearing of mostly indigenous pig which has less productivity, lack of knowledge about scientific housing, feeding and breeding management. Mr. Janak Kr. Basumatary is a rural youth of 22 year-old of village Koklingbari, Kokrajhar district, Assam. In 2018-19, the unemployed graduate youth was involved in traditional way of agriculture, fish and livestock rearing without any scientific technological knowledge with a small area of agricultural land (0.4 Ha), a few indigenous pig, duck and local chicken. Later on, he has selected livestock and fish farming as a primary income generating activity. Due to low productive performance of indigenous pig, chicken and duck, he got interest of rearing of improved livestock varieties supported with modern livestock technologies.

Technology intervention and support by KVK:

Mr. Janak Kr. Basumatary approaches to Krishi Vigyan Kendra, Kokrajhar in the year 2018-19 for getting information on modern livestock farming practices and as per guidance, technical support and

training by the scientist of KVK Kokrajhar, he started a small piggery and poultry unit by himself. On the visit of KVK, Scientist, by realizing the need for development of pig and the enthusiasm of youth in farming practices, he along with his twin brother and three friends were selected to establish a pig breeding unit under ARYA project. Improved varieties of 7 nos Ghungroo piglet (5 females, 2 male), commercial pig feed and feed supplement were initially provided under the ARYA project. Training was organized for all the beneficiaries about housing, feeding, breeding and diseases management practices of pig. Pigs were reared in low input production system. Later, feeding was done with low cost prepared feed with locally available material like broken rice, rice bran, kitchen waste, colocasia, vegetable waste and *Jugly etc*. Periodically mineral mixture and vitamin and other medicationswere also supplemented by KVK Kokrajhar. They were demonstrated to construct a low cost pig shed by using locally available bamboo, wood and jute. Vaccination, deworming, treatment, disinfection and sanitization drive were conducted from time to time. Nearby villagers are also getting direct support from his piggery unit by getting good quality piglets and quality boar services. In next year, satisfying with his sincerity and enthusiasm for hard work, scientist from KVK, Kokrajhar also supported him by establishing a demonstration unit of "Kamrupa" chicken and "Vigova super M" duck under the FLD program. Mr. Janak received training on backyard poultry farming and all other assistance including treatment and vaccination of his flock from KVK and managed to his flock in scientific way under low input production system. From first farrowing of his pig breeding unit under ARYA, Mr. Janak and his friend has got on an average 8 piglets per sow with total number of 42 piglets. After 7 months, they got average nos of 9 piglets in 2nd farrowing with total numbers of 45 piglets. They sold total 70 nos of piglet @ 2500/- per piglet to neighbor farmers and village market and 5 piglets keep for fattening purpose. The group has earned with a net income of Rs. 85,000.00 in first year. He has one duckery (40 nos) and a kamrupa chicken (80 nos) poultry unit with net profit of Rs. 38,900/-. Consequently, he purchased 1 crossbred jersey cow and 4 nos of local cow and earns a net income of Rs. 25,500.00. Under 'Tribal Sub-Plan' programme he was selected for a demonstration on 'Integrated Farming System' under which he received fish feed & seed, lime, and other fishery inputs during 2018-19. He also incorporated ducks and local poultry breed in the system to maximize the net return and to reduce the cost of fertilizer and feed. Presently the fishes in his pond are about 800g- 1.2 kg weight and earned a net income of Rs 1, 50,000.00 by selling of 6 q fishes. So, from all the integrated and adopted technology, Mr. Janak kr. Basumatary earned **Rs. 2,31,400/-** as a total net income in 2018-19 which is **55% more** individual income than the previous year and now he is able to meet his family and day to day requirement.

2. Success story of Scientific way of eri rearing in Kokrajhar district of Assam

Smti Saboni Mushahary

Eri silk (Assamese: **এৰিৰেচম**) comes from the worm *Samiacynthia ricini* is the most predominate in Assam which is gaining popularity day by day. For developing eri entrepreneurship, 25 *number*s of youth were trained with appropriate knowledge and skills related to Scientific eri rearing.15 no.s of youth established the enterprise in the year2018-19 and 15 no.s in 2019-20. Every youth possessed Eri egg- 250gm, Food plant -200 kesseru plants ,Rearing rack (4 Selves)- 5 no. s, Rearing tray -20 no.s, Black plastic- 20 m, Black curtain -15 no.s window curtain, Mountage (*chandraki*) -10 no.s inputs were provided. Convergence was also made with Department of Sericulture, Kokrajhar for providing eri rearing house and vermin-compost units. Thus, the enterprise leaded by Smti Saboni Mushahary of Pakrirguri Forest village is producing the following outputs. Thus, a youth rear 6- 7 crop per year with 75 kg of cocoon and 400 kg of pupae production @ 750-850/- and 250/- per kg respectively.

- Thus, total income from sale of cocoon annually is Rs 12,750 X 5 times in a year = Rs.63,750/-
- Sale of eri pupae annually is Rs. 80 kg 5times = 400kg X @ 250/- per Kg = Rs.1,00,000/-
- Sale of diversified hand woven products Annuallly is Rs. 4000/- per shawl X 5 no.s= 20,000/-.
- The products are collected by *Paikari* or sale in local market without any brand name.

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

During the year a low cost scientifically designed light trap with locally available materials (mustard oil tin, rechargeable bulb, white and yellow paints, etc) was developed and improvised. Initially the efficacy of the traps was tested in the KVK. Then the traps were distributed to 4 farmers under FLD programme to get their feedback. The trap functioned as expected. It was installed in paddy field and in the backyard *bari*. A number of insect pests of paddy and *bari* was trapped.

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Cereal crops	*Gangsw dabala* plants Mature/young leaves are grinded/mixed in jaggary (Gur) and placed as trap	To control crickets

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

i. PRA techniques,
ii. SAC meeting,
iii. ZREAC meeting,
iv. Interaction with extension functionaries, Farmers organization, NGOs, SHGs etc
v. Pre & post training evaluation through questionnaires, schedule etc.

3.11 Field activities

i. Number of villages adopted: 7
ii. No. of farm families selected: 350
iii. No. of survey/PRA conducted: -

3.12. Activities of Soil and Water Testing

Status of establishment of Lab : Working
1. Year of establishment : 2009
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment			Qty.	Cost
	S&WT lab	Mini lab/ Mridaparikshak	Manufacturer		
1	-	2 nos	Nagarjuna Agro Chemical Pvt. Ltd, Hyderabad	2 nos	180,600.00
Total		2		2	180600.00

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

Details	No. of Samples analysed	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples	250	250	18	-
Water Samples				
Plant Samples				
Petiole Samples				
Total	250	250	18	-

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

a. No. of SHCs prepared: 250

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

c. Name of the Major and Minor nutrients analysed: N, P, K, S, Zinc & Boron

d. No. of villages covered: 18

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	40	54648	20	27222	17	23106	-	-	2	2812	1	1207	120	163643
Voice only	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**40**	**54648**	**20**	**27222**	**17**	**23106**	**-**	**-**	**2**	**2812**	**1**	**1207**	**120**	**163643**

3.14 Contingency planning for 2020-21

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
Flood	Introduction of new short duration and flood tolerant variety or crop	20	10	15	25
	Awareness programme on contingency measures in flood & draught affected area	4 no's	97	70	167
Epidemic disease appearance	Awareness programme on management of Ganoderma &Phythopthora disease in Arecanut Orchard	2. no's	22	78	100

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
Disease Outbreak (Livestock)	200 chicks	4	Health camp :2 Awareness camp:2	Animal: 500 Bird: 500	70	130	200

4.0. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Oyster & milky mushroom production technology – scientific chemical less production process.	220 (During different times of the year)	70	Rs.500.00	Rs. 2000.00
Submergence tolerance rice variety (Ranjit sub 1)	214	75	Rs. 29110.00/ ha	Rs. 49813.00/ ha
Introduction of submergence tolerance rice variety (Bahadur Sub-1)	60	50	Rs.29500.00/ha	Rs. 47500.00/ ha
Introduction of Thailand / apple ber	80	50	Rs. 50000.00/ha	Rs. 300000.00/ha
Introduction of Strawberry	75	60	Rs.40000.00/ ha	Rs. 100000.00/ ha
Keseru plantation as food for eri worm	150	50	Rs. 40000.00/ unit	Rs. 56000.00/ unit
Kamrupa birds	300	60	60 egg/ bird	160 egg/ bird
Kadaknath birds	70	40	60 egg/ bird	130 egg/ bird
Rearing of Hampshire Pig	300	70	8000/pig	12000/pig
Rearing of Duck	80	20	110 egg/duck	180 egg/duck

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

4.2. Cases of large scale adoption

Ranjit sub-1& Bahadur Sub 1, a submergence tolerance variety of paddy was adopted by farmers of the area based on the performance in experimental field and in farmers' field. The quality of rice is almost similar with Ranjit. The variety can tolerate submergence condition for 10-12 days.

Under animal science Kamrupa birds was adopted on a large scale by the farmers, popularized in FLD programmes. The eggs are used by the nearby farmers for hatching purpose.

Kadaknath bird is newly introduce under OFT programme and adopted by the farmers.

Eri culture has been adopted by the farmers for raising farm income through improved eri culture which has been popularized through training, demonstration and improved eri food plant cultivation.

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

Technological benefits:

i) Crop Area: A new variety of blackgram (Var.- IPU 02-43) had been cultivated covering a area of 8.0 ha. Farmers satisfied with the production and accept the variety. They showed their interest to continue the same variety for the next year. This helps in increasing area under double cropping. It was mainly due to the training programme, FLD programme undertaken in the farmers field by KVK Kokrajhar.

ii) Livestock : The number of improved breed of livestock mainly poultry, piggery increased over the time.

Sl. No.	Items	Breeds introduced	No. of farmer benefitted
1.	Poultry	Kamrupa, Kadaknath	30
2.	Pig	Hampshire & Ghungroo	70

iii) Use of farm machinery & tool: Use of farm machinery and tool were markedly influenced by the various interventions taken up by KVK, Kokrajhar

iv) Changes in Production and productivity: Both production and productivity markedly influenced by the introduction of various HYV of paddy, oilseeds, pulses & vegetables. The productivity of rice was increased by 35 percent which was realized after the large block demonstration in rice.

v) Organic cultivation: Area under organic production of fruits, vegetables, spices etc. have remarkably increased during the period due to increase in awareness of the famers through various KVK activities like training, demonstration, group discussion etc.Organic demonstration plot is demarcated at KVK farm.

5.1 Functional linkage with different organizations established during 2019-20

Name of organization	Nature of linkage
Department of Agriculture, Kokrajhar	Training, Diagnostics visit, Reviewing departmental projects, Beneficiary selection
Department of AH & Vety., Kokrajhar	Training organization, selection of cluster of farmers
Dept. of Fishery, Kokrajhar	Training, Diagnostics visit, Reviewing departmental projects, Beneficiary selection
Department of Soil Conservation,	Integrated Water shed management Project, Training
31st SSB battalion, Gossaigaon	Training
NABARD, Kokrajhar	Training, Farmers group formation
Discovery Club, Kokrajhar	Livelihood promotion through integrated farming system (NAIP)
LWS, Gossaigaon	Resource person
NERSWN, Kokrajhar	Guidance, resource person, preparation of work plan
Socio Economic Development, Haraputa	Guidance, resource person, preparation of work plan
UCORSETTI, Kokrajhar	Action plan formulation resource person
ATMA, Kokrajhar	Action plan formulation resource person
Department of Sericulture, Kokrajhar	Training organization, selection of cluster of farmers
Department of Agricultural Engineering, Kokrajhar	Reviewing departmental projects, Beneficiary selection
District Rural Development Agency (DRDA), Kokrajhar	Reviewing departmental projects, Beneficiary selection
District Industries of Commerce Centre (DICC), Kokrajhar	Reviewing departmental projects, Beneficiary selection

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2019-20

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Assam Agribusiness & Rural Transformation Project	Demonstration	2018	DR (Agri) & Head, OPIU, APART	1562300.00
Cluster Front Line Demonstration on Oilseeds & Pulses	Demonstration	2019	ICAR	862400.00
NEH programe	Demonstration	2019	ICAR	200000.00
ARYA	Demonstration, training	2019	ICAR	673430.00
Demonstration on Mustard under RKVY	Demonstration	2019	DR (Agri), AAU	161700.00

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
1	Joint field visit – paddy, rapeseed	Collaborative training programme on scientific production technology, Expert service	Successfully conducted.

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
-	-	-	-

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks
-	-	-	-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2019-20

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit (Name and No.)	Year of estd.	Area	Details of production			Amount (Rs.)		Remarks
				Variety/ species/ breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Piggery	2010	145 sq m	Hampshire & T & D	Pig	-		-	
2.	Poultry	2010	45 sq m	Kamrupa	Eggs	270		2160.00	
				Kdaknath	Eggs	143		2145.00	
3.	Goat	2010	-	Bettle cross	Goat	8		-	
4.	Vermicomposting	2010	50 sq m		Vermicompost	350		106.00	
5.	Rice fish vegetable	2010	224 r m						

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-

Pulses									
Green gram	-	-	-	-	-	-	-	-	-
Black gram	-	-	-	-	-	-	-	-	-
Arhar	-	-	-	-	-	-	-	-	-
Lentil	-	-	-	-	-	-	-	-	-
Ay other	-	-	-	-	-	-	-	-	-
Oilseeds									
Mustard	-	-	-	-	-	-	-	-	-
Soy bean	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-
Any other	-	-	-	-	-	-	-	-	-
Fibers									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Floriculture									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Fruits									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
Vegetables									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-
a. Others (specify)									
i.	-	-	-	-	-	-	-	-	-
ii.	-	-	-	-	-	-	-	-	-

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

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

6.4 Performance of instructional farm (livestock and fisheries production)

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

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Unit/ structure

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

6.6. Utilization of hostel facilities (Month-Wise) during 2019-20
Accommodation available (No. of beds):

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

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

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location/ Branch	Account Number
With Host Institute	-	-	-
With KVK	SBI	Gossaigaon	38269285692 11378641024
Revolving Fund	SBI	Gossaigaon	11378660228

7.2 Utilization of funds under CFLD on Oilseeds and Pulses*(Rs. In Lakhs) if applicable during 2019-20*

Item	Released by ICAR/ATARI (in lakh)		Expenditure (in lakh)		Unspent balance as on 31st March, 2019
	Oilseed	Pulse	Oilseed	Pulse	
Inputs	768285.00	-	768285.00	-	-
Extension activities	94115.00	-	94115.00	-	-
TA/DA/POL etc.	-	-	-	-	-
TOTAL	**862400.00**		**862400.00**		**-**

7.3 Utilization of KVK funds during the year 2017 -18

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	12000000.00	12645920.00	12645920.00
2	**Traveling allowances**	200000.00	103005.00	103005.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1550000.00	1451770.00	1451770.00
B	POL, repair of vehicles, tractor and equipments			

C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**13750000.00**	**14200695.00**	**14200695.00**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**	200000.00	-	-
3	**Vehicle** (Four wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		**200000.00**	**-**	**-**
C. REVOLVING FUND		339825.00	-	339825.00
GRAND TOTAL (A+B+C)		**14289825.00**	**14200695.00**	**14540520.00**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance with KVK (in lakh)
April 2017 to March 2018	234823.00	255375.00	190342.00	299856.00
April 2018 to March 2019	299856.00	411921.44	258313.65	453463.79
April 2019 to March 2020	453463.79	452008.00	339825.20	565646.59

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

8.1 Constraints and Suggestion (Provide point-wise if any, for recommendation)

(a) Administrative
1. Manpower Shortage –The post of one SMS (Agronomy) and two no's Grade IV is vacant
2. Farmers hostel, staff quarter are required
b) Financial
1. Timely release of fund for smooth functioning of KVK,. CFLD fund may be released well advance
(c) Technical
1. Library facility in KVK of far-flung areas from may be upgraded to state of art standard.
2. Supporting technical staff is deeply felt

(Signature)
Sr. Scientist cum Head