

KRISHI VIGYAN KENDRA UTTARA KANNADA

ANNUAL REPORT-2020

(FOR THE PERIOD FROM 01 January, 2020 TO 31 December, 2020)

**University of Agricultural Sciences, Dharwad
ICAR-KVK Uttara Kannada, Banavasi Road, Sirsi 581401
email: kvk.Uttarakannada.icar.gov.in
Telephone : 08384-228411
Website: www.kvkuttarkannada.org**



PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra Banavasi Road, Sirsi-581 401 District : Uttara Kannada State : Karnataka	Office (08384) 228411	FAX (08384) 228411	kvkuks@gmail.com kvk.Uttarakannada@icar.gov.in	www.kvkuttarkannada.org 

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, Krishi Nagar Dharwad -580 005	(0836) 2448512, 2447494	(0836) 2748199	deuasd@rediffmail.com	www.uasd.edu

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Manju M J.	-	9448495345	manjumjm@yahoo.co.uk

1.4. Year of sanction: 2004

1.5. Staff positions as on 31 December 2020

Sl. No	Sanctioned post	Name of the incumbent	Designation	M / F	Discipline	Highest Qualification	Pay Scale	Basic pay	Date of joining KVK	P /T	Category
1	Senior Scientist & Head/PC	Dr. Manju M.J.	Senior Scientist and Head	M	Plant Patholog	Ph.D	131400-217100	131400	23.10.2017	P	SC
2	Subject Matter Specialist	Dr. Roopa S. Patil,	SMS	F	Plant Protection	Ph.D	79800-217100	104100	03.12.2008	P	Others
3	Subject Matter Specialist	Shri. Shivashenkar murthy,M.	SMS	M	Agronomy	MSc	68900-205500	75300	28.11.2011	P	SC
4	Subject Matter Specialist	Shri. Venkatesh L	SMS	M	Agroforestry	MSc	57700-182400	66800	05.05.2016	P	SC
5	Subject Matter Specialist	Dr. Ranganath G. J,	SMS	M	Animal Science	Ph.D	57700-182400	63000	13.09.2017	P	OBC
6	Subject Matter Specialist	Shri. Harisha D. K	SMS	M	Horticulture	MSc	57700-182400	64900	18.07.2019	P	SC
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	57700-182400	-	-	-	-
8	Programme	Smt.	Technical	F	Computer	MSc	44900-	53600	28.03.2010	P	SC

	Assistant (Computer)	Annapurna Neeralgi	officer		Sci.		142000				
9	Programme Assistant (Lab Assistant)	Dr. Siddappa Kannur	Technical officer	M	Agroforestry	Ph.D	44900-142000	52000	02.08.2013	P	Others
10	Programme Assistant (Farm Management)	Dr. Krishna K. S	Technical officer	M	Sericulture	Ph.D	44900-142000	47600	24.09.2019	P	GM
11	Accountant/Superintendent	Smt. Sumalatha S. P.	Senior Assistant	F	-	-	37900-70850	37900	05.09.2015	P	SC
12	Stenographer	Vacant	-	-	-	-	-	-	-	-	-
13	Driver 1	Shri .Basavaraj G Chavadal	Driver L.V	M	-	-	21400-42000	23500	24.07.2019	P	OBC
14	Supporting staff 1	Shri .Hazarat A Nadaf	Asst.cook cum care taker	M	-	-	19950-37900	24600	02.08.2007	P	OBC
15	Driver 2	Vacant	-	-	-	-	-	-	-	-	-
16	Supporting staff 2	Vacant	Messenger	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha): 7ha

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	0.4
3.	Under Crops	4.65
4.	Orchard/Agro-forestry	1.15
5.	Others	0.4

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	611	1,40,0000.00	19.12.2017	611	Final Finishing Stage
2.	Farmers Hostel	NATP	2003	395.81	-	-	-	-
3.	Staff Quarters	Nil						
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units	Nil						
	1							
	2							
	3							
	4							
5	Fencing	Nil						
6	Rain Water harvesting system	Nil						
7	Threshing floor	Nil						

8	Farm godown	Nil					
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B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	2017-18	800000.00	106289	Good condition
Hero Honda passion	2009-10	60000.00	29000	Good condition
Big Tractor	2016-17	400000.00	23 hours	Good condition
Mini Tractor	2011-12	750000.00	66 hours	Good condition
Greeves Power Tiller	2015-16	255700.00	11 hours	Good Condition
Weed Cutter	2019-20	12900.00	26 hours	Good Condition

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Godrej copier	30-03-2001	80,234	Good condition
Stabilizer	30-03-2001	6,000	''
Portable OHP	31-03-2001	23,920	''
Honda make EBK 2000 generator	31-03-2001	32,800	''
EB 833 Altimeter	25-02-2002	10,990	''
Thomson TV 29'' monitor	30-03-2002	28,700	Under repair
Thomson CD player	30-03-2002	6,500	Under repair
Sharp VCR	30-03-2002	12,300	''
Computer and accessories	30-03-2003	72,513	''
Public address system	26-02-2003	10,500	Under repair
Nikon Camera	29-09-2003	28,350	''
Air Conditioner for computer hall	27-09-2003	10,500	''
Photo display frame	27-09-2003	17,000	''
Exhibition showcase	27-09-2003	14,000	''
Scanner	27-09-2003	3,500	''
Sony Digital Camera	2006	13,000	Under repair
Computer HP- with accessories	31.3.2007	36,000	Good condition
Motorized screen	2008	24,000	''
Lexmark Printer	March 2008	15,043	Good condition
Printer (4 in one)	31.3.2009	13,950	Good condition
Sony DV cam – Portable camera	Jan-2010	1,84,000	Good condition
Computer and accessories-HP DC-7000 series (2 Nos)	April-2010	77690	Good condition
Lenovo s10-3s Idea pad	4.02.2011	21600	Good condition
Printer- HP 1007	30-03-2011	4900	Good condition
Oven - Bajaj	March 2011	2,800	Good condition
Pepper Diconing	March 2011	18,500	Good condition
Generator 7.5 KVA, KIRLOSKER	January 2012	81,057	Good condition
Power Sprayer Single Piston	March 2012	28,000	Good condition
Digital Cameras Canon A 810	September 2012	5,995	Good condition
Canon SX 150	September 2012	9,995	Good condition
Digital Cameras Canon A 810	December 2012	4,900	Good condition
Canon SX 150	January 2013	4,900	
UPS V-Guard	January 2013	6,540	Good condition
Grinder	January 2013	4,500	Good condition
Coco Butter Extractor	January 2013	44,885	Good condition
Ground nut Stripper (3)	January 2013	3,350	Good condition
Hand Refractometer	January 2013	3,807	Good condition
Banjo- Power operated groundnut stripper	March 2013	19474	Good condition
HP Laptop	Jan-2014	52000	Good condition
Sugarcane eye bud chipper	March 2014	4000	Good condition
Power Safe UPS	March-2014	2250	Good condition
Printer	July-2014	18500	Good condition
Projector	July-2014	45000	Good condition
Digital copier	July-2014	162518	Good condition
UPS 650 VA	September 2014	1600	Good condition
Iball baton Model	December - 2014	2150	Good condition
UPS 1.5 KV	January 2015	31122	Good condition
Portable bag sticher	December 2014	4800	Good condition
Biometric	January 2015	14533	Good condition
Laser Printer	January 2015	8600	Good condition
Laser Printer	March 2015	8600	Good condition

UPS 650 VA	March 2015	2250	Good condition
KVA Stabilizer	2016	4537	Good condition
LG Air conditioners	2016	34253	Good condition
V Guard Stabilizer	2016	2000	Good condition
Sukum 2kva 24v UPS	2016	15,000	Good condition
150AH Hi-Power tabular battery	2016	13,800	Good condition
Logitech R400 Presenter	2016	4400	Good condition
16 GB H.P. Pen drive	2017	500	Good condition
Pocket projector	2017	42937	Good condition
SMPS Unit	2017	11450	Good condition
1.0 T.B. Seagate Hard disc	2017	49000	Good condition
HP LaserJet 128FN Printer	2017	17650	Good condition
Canon lide 120 scanner	2017	4500	Good condition
Double Stevenson screen box	2017	21250	Good condition
Exide MRed 700 L	2017	5900	Good condition
Acer Veriton Computer	2017	1,19,100	Good condition
Shedder	2017	49,820	Good condition
Exide XP 800 Battery	2017	5,900	Good condition
Bolero Vehicle (SLE 2WD 7 SEATER AC & PS BS45K)	12.05.2017	6,61,543	Good condition
External DVD writer	30.06.2017	2,500	Good condition
1 Ball Multimedia Speaker	30.06.2017	4,900	Good condition
1000 GB Seagate External Hard disk	30.06.2017	4,900	Good condition
HP Laptop i 7	17.01.2018	74,180	Good condition
HP Laptop i 7	17.01.2018	74,180	Good condition
HP Laptop i 7	17.01.2018	74,180	Good condition
HP Laptop i 7	17.01.2018	74,180	Good condition
32 GB pen drive	31.01.2018	950	Good condition
HP Laserjet Printer (pro MFP m227sdn)	05.02.2018	25,390	Good condition
HP Laserjet Printer (pro MFP m227sdn)	05.02.2018	25,390	Good condition
1 TB Seagat External Hand disk	16.02.2018	3,898	Good condition
HP All in one Laserjet Printer	27.02.2018	15,500	Good condition
RICOH laser printer (Model SPIII)	05.03.2018	4,799	Good condition
Automatic Macro (250 ml) Black Digestion System (Brand: Tulin equipments)	18.03.2018	1,08,500	Good condition
EPSON Printer (380 colour ink tank printer (print/scan/copy)	19.03.2018	11,600	Good condition (GKMS)
Automatic Distillation System, (Brand: Tulin equipments)	20.03.2018	1,88,550	Good condition
Steam Sterilizer (Horizontal Autoclave) (Band: Heat control)	26.03.2018	4,22,440	Good condition
HP LaserJet Printer (Pro MEP M2275dn)	27.03.2018	24,800	Good condition
Mechanical Shaker (HSN # 85143090) (sl. No-LI-17-221)	27.03.2018	49,880	Good condition
HP BR 106 TX Laptop	28.03.2018	58,528	Good condition (GKMS)
HP Laptop	28.03.2018	77,526	Good condition
Laminar Air flow Chamber	31.03.2018	90,000	Good condition
Digital Balance	31.03.2018	81,479	Good condition
1 Tb hard Disk	28.06.2018	3363	Good condition
Height measuring rod and Weighing machine	23.08.2018	4900	Good condition
Nikon Camera with lens	15.10.2018	35488	Good condition
V Guard Ceiling Fan	13.10.2018	1295	Good condition
HP laser Printer	30.01.2019	15500	Good condition
PH Meter	06.02.2018	46988	Good condition
Refrigerator	14.02.2019	22850	Good condition
Nikon D3 400 DSLR camera with lens	22.02.2019	40775	Good condition
HP laser Printer	30.01.2019	15500	Good condition
Wooden Revolving Chair and Peacock	15.03.2019	35000	Good condition

Chair			
Wall Fan	16.03.2019	1850	Good condition
Exide UPS Board	21.06.2019	2200	Good condition
Chair	26.03.2019	9000	Good condition
Visible Spectro Photometer	29.07.2019	2950	Good condition
Dell USB Optical Scroll Mouse(02 Nos)	01.08.2019	580	Good condition
Name Plate	18.11.2019	4532	Good condition
Heavy Stapler	10.10.2019	1700	Good condition
I Power Tubular Battery 60 AW (02 Nos)	30.12.2019	14752	Good condition
Logitech wireless keyboard	17.06.2020	1475	Good condition
Fingers web camera	26.11.2020	1864	Good condition
Electric fodder cutter	30.03.2020	210000	Good condition
Wheel borrows	30.03.2020	31500	Good condition
Gator sprayer	30.03.2020	20250	Good condition
Weed cutter	30.03.2020	36000	Good condition
Kent water filter	10.11.2020	17373	Good condition
Dell optical mouse	22.08.2020	594	Good condition
64 GB sandisk OTG	11.11.2020	636	Good condition
Sandisk 64 GB ultra SD card	11.11.2020	1100	Good condition
Laptop regulator	04.12.2020	3650	Good condition
Logic Professional ceiling kit	27.11.2020	2400	Good condition
80 AH Tabular battery	27.11.2020	7500	Good condition
PH Meter	14.01.2020	568	Good condition
Goat Feeder Rack	28.02.2020	6000	Good condition
Goat Hey feeder	28.02.2020	16000	Good condition
Water tank Stand	12.03.2020	13594	Good condition
SS Pipe and Steel Bracket	18.03.2020	21120	Good condition
Epson Projector	01.09.2020	43850	Good condition
Kent water filter	07.09.2020	21200	Good condition
Display Board	05.12.2020	22500	Good condition
DTR 550 LW Tripod	05.12.2020	3051	Good condition
Toshiba Xerox machine	11.08.2020	49899	Good condition

1.8. Details of SAC meeting conducted during 2020

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
7.11.2020	32	Establishment of Nutrition Gardens in Anganwadi, in collaboration with the Department of Women and Child Development.	Organized Workshop on healthy nutrition security in collaboration with woman and child development department Sirsi and distributed 50 vegetable kits for establishment of Nutrition Gardens in Anganwadi.	
		Steps are be taken in collaboration with the Horticulture Department to identify adulteration of honey and pesticide residues. A Project proposal to establish a laboratory in this regard may be sent to the concerned.	Made discussion with SADH, Sirsi reg establishment of honey purity testing laboratory at Sirsi. DPR yet to prepare to submit under NBHM	
		Establishment of a unit under the Center for Value addition of Agricultural Products. Steps are to be taken to obtain the necessary equipment from the Food Technology Department, Agricultural University, Dharwad. This unit is to be provided for the farmers to value add their products, at minimum cost.	Yet to be initiated	
		Implementation of appropriate programs for value addition of	Organised webinar on Waste to Wealth on 22.12.2020 under	

		agricultural waste.	Swacchatha Abhiyana	
		Rejuvenation of cardamom crops is essential and measures should be taken to provide good variety seedlings to the farmers. OFT is to be planned to address diseases and low yield problems in cardamom.	Providing 4000 mudigere- 1 cardamom seedlings to the farmer. Proposing OFT on evaluation of cardamom varieties	
		Soil and Water Testing are to be increased	Trainings and awareness programmes are being conducted to create awareness about importance of soil testing.	
		Mono cropping is commonly used practice, to promote multi cropping system, programmes are to be planned	Paddy followed by black gram/Green gram/Ground nut were promoted through CFLD under NFSM and NMOOP program. Paddy followed by Sesamum/Mustard promoted through OFT during summer seasons. Information was given during bimonthly meetings.	
		Technical assistance is to be given to farmer producer companies on areca nut harvesting and processing.	Under progress	
		Steps to address are to be taken to address the problem of mortality of fingerlings in farm ponds.	Information shared through social media and SMS regarding control of fingerlings mortality, farmers are linked to dept. of fisheries for greater knowledge. Fish management practices extension bulletin will be printed and circulated among farmers	
		Expand the area under PSB-68 paddy variety	Seed production programs are planned under farmers participatory program during Kharif 2020. Discussed with Agriculture department officials for purchase of seeds.	
		Steps are to be taken to disseminate technologies to manage the rhizome rot disease in ginger, among farming community.	FLDs and trainings are conducted.	
		Programme are to be planned for introducing and expanding suitable fish fingerlings for farm ponds and community lakes.	Amur common carp is already introduced to farm pond during 2020-21 and OFT formulated to assess the suitability of fish varieties to community lakes during 2021-22	
		Publication on progressive farmers of Given radio talk on importance of Agroforestry for ecosystem restoration broadcasting by AIR, Karwar on 11-06-20 district to be released.	Compilation of progressive farmers is under progress. Detailed information of 25 progressive farmers is ready. Two popular articles published. One is on Farm women producing vermicompost as main enterprise. Another one is on Multistoreyed cropping system in house backyard. It is planned to publish 5 articles on progressive farmers.	
		Information and understanding on crop planning and crop composition needs to be provided to farmers.	OFT on Assessment of Sesamum and mustard along with black gram for summer season in paddy	

			follows.	
		Action to be taken to produce and supply the Bio Fertilizers at KVK.	It is planned start production unit using old KVK building	
		Introduction and demonstration of flood resistant paddy varieties	120 quintals of Hemavati paddy variety has been produced and distributed to farmers during kharif season. Next season production of 150 quintals of Hemavati paddy seed is planned.	
		Scientific study needs to be taken up for suitability of location for introduction of cardamom and vanilla crops in Yellapur region. If suitable, programmes are to be taken up in this regard.	Will be taken up	
		Providing technical literatures relating to the dairy industry to the milk producers' associations for the benefit of the farmers.	Animal health camps conducted in association with KMF societies and dept. of animal husbandry and technical bulletins are provided during the programme, this activity will be expanded to other societies in future	
		Technology videos are to be uploaded on YouTube	KVK youtube channel kvkuks@gmail.com is created and two videos on technologies are uploaded. It is planned to upload videos on biofertilizers application, planting methods in sugarcane, Nipping for sugarcane grown by single eye bud seedlings, Zinc application, Dopog nursery during kharif 2021.	
		Mechanization for arecanut harvesting is to be popularized	proposing FLD on demonstration dual purpose telescopic model of areca harvester	
		Case studies are to be conducted and documented on successful practices followed by farmers.	Under progress Case study reported on Cultivation of biofuel yielding tree species on betta –lands through soil and water conservation techniques for enhancing soil fertility and productivity of the cropping system	
		There are many opportunities to double the income of farmers in the district, programmes are to be planned to promote integrated farming practices.	FLD implemented on Cultivation of <i>Dendrocalamus stocksii</i> (Sheme bamboo) on bunds/boundaries of farm land : A additional source to the farm income	
		Strengthening of dairy activities and demonstration units are to be taken up.	In progress	
		Carrying out income generating activities for the economic development of the tribal people.	SRP under the financial assistance from UASD are being implemented in the district. Also External Projects are proposed to take up various IGA to the tribal	

			population of the district.	
		Introducing and promoting technologies for the efficient utilization of land and natural resources.	FLD implemented on cultivation of Non-Timber Forest Products tree species through soil and water conservation measures	
		Creating an outlet for sale of products produced in KVK	Will be taken up	
		"Green force" for mechanization in paddy is to be formed following the KVK, Mallapuram model	Will be taken up	
		Literatures to be prepared on root grub management in Arecanut	Prepared literature on Arecanut rootgrub and Management	
		Steps to install banana fiber extraction unit at KVK under the KVK Revolving Fund.	Made visit to The Kishkinda trust Banana fiber article making unit at Anegundi. It's all hand made fibre. No unit is required. Visit will be in future to machine made banana fibre extraction unit and suitable measures will be taken to establish at KVK	
		Identify and promote unemployed youth for production of tissue culture banana seedlings, proper training to be given to them to startup the venture.	Under progress	
		Implementation of Program on marine Fisheries in Coastal Talukas	Contacted the Fisheries college, KVK, Mangalore, CMFRI and dept. of Fisheries Ankola as per their guideline programme will be carried out	
		Identify high yielding local cow breeds and introduce them to the farmers.	Introduced the up gradation of local cattle with Gir, sahiwal and buffaloes with murreh and surthi bull semen in association with department of Animal husbandry through NAIP. Promoting the introduction of Gir, Deoni, Tharparkar cows farming through regular extension activities	

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rainfed : Paddy- Pulses/Ground nut, Maize- Pulses, Areca nut and Coconut based multi cropping system Irrigation: Paddy –Paddy, Sugarcane, Paddy –Maize, Areca nut and Coconut based multi cropping system
2	Dairy, Fisheries and Non Timber Forest Produce

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

S. No	Agro-climatic Zone	Characteristics
1	Zone – 9	Hill Zone Avg. Rainfall : 2500 mm Soils : Sandy loam, laterite, clay loam & medium black Major crops :

		<i>Field crops</i> : Paddy, Maize and pulses <i>Plantation crops</i> : Arecanut, black pepper, coconut <i>Fruits and other crops</i> : Banana, pineapple, ginger
2	Zone – 10	Coastal Zone Avg. Rainfall : 3500 mm. Soils : Sandy soils, laterite, costal alluvial, sandy loam. Major crops : <i>Field crops</i> : Paddy, groundnut, pulses <i>Plantation crops</i> : Coconut, arecanut, black pepper, cashew, banana

S. No	Agro ecological situation	Characteristics
1	Coastal ecosystem	High to very high rainfall more than 3500 mm, hot and humid climate with highly leached sandy soils with low and high pH (sodium salts).
2	Hill zone ecosystem	Rainfall ranges from 2500 to 3000 mm, with valleys and low hills. Major area covered is forest and dominated by laterite soils.
3	Transitional ecosystem	Rainfall ranges from 800-1500 mm dominated by plains and rolling hills. Soils vary from red loam to medium black soils.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Lateritic soils	Deep, well drained to excessively drained, yellowish red to dark reddish brown, sandy loam to sandy clay and clay surface soils and clay subsoil's, moderate to severely eroded with surface crusting.	36332
2	Red gravely clay soils	Deep and shallow, well drained to excessively drained, yellowish brown dark red to reddish brown, gravely sandy loam to sandy clay loam and loamy sand surface soils and no calcareous cracking clay to silty clay soils, moderately to severely eroded.	144589
3	Red clay soils	Deep to moderately deep and hallow, well drained, brown to yellowish red to reddish brown, sandy loam and sandy clay to clay subsurface soils, moderately to severely eroded.	552877
4	Forest soils (Brown forest soil)	Deep to moderately, Deep, well drained to excessively drained, dark brown to dark yellowish brown and black sandy clay to sandy clay loam, humus rich surface soils and clay to sandy clay, gravely sandy clay to clay sub surface soils, moderately to severely eroded.	291679

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Paddy	61630	124235	2080
2	Maize	7663	53788	5378
3	Blackgram	58	243	504
4	Greengram	542	120	233
5	Cowpea	403	243	384
6	Horsegram	406	239	620
7	Groundnut	1683	3553	2222
8	Cotton	1075	4354	644
9	Sugarcane	7064	74175	69000
10	Areca nut	31124	77699	2500
12	Coconut (lakh nuts)	11333	2070	170
13	Blackpepper	4109	2051	500
14	Ginger	333	10229	30720
15	Cashew	4300	189363	33250
16	Banana	5694	9501	2210
17	Mango	3155	59578	18880
18	Cocoa	233	251	1130
19	Pineapple	208	15736	75460
20	Jackfruit	213	10861	50830
21	Water Melon	319	16266	50860
22	Jasmine	55.45	432.91	7810

* Source: District Statistical Dept. : 2018-19 & Dept. of Horticulture-2018-19

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
Jan	0.0	30.9	15.1	74.5
Feb	0.0	32.3	14.5	71.05172
Mar	0.0	34.0	17.0	67.66344
Apr	28.6	35.0	20.7	65.18333
May	77.8	33.5	21.4	72.30645
Jun	456.6	28.5	21.1	82.98333
Jul	503.4	27.2	21.2	84.66667
Aug	971.4	26.5	21.0	87.6
Sep	282.6	28	21	83.23333
Oct	225.4	29.1	20.3	81.01613
Nov	0.0	30.1	17.4	75.31667
Dec	0.0	30.2	15.4	74.95161

* Source : AAS Unit Sirsi

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	47167	Total milk production ;170000 liters	
<i>Indigenous</i>	289788		
Buffalo	87816		
Sheep			
<i>Crossbred</i>	234	Total meat production: 2972 tonnes	
<i>Indigenous</i>	4549		

Goats	8961		
Pigs			
<i>Crossbred</i>	469		
<i>Indigenous</i>	1022		
Rabbits	508		
Poultry			
Hens	537037	Egg: 804 lakhs	
<i>Desi</i>			
<i>Improved</i>			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
<i>Marine</i>		133136 tonnes	
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

* District Statistical Report 2018-19

2.7 District profile maintained in the KVK has been **Updated** for 2020: Yes

2.8 Details of Operational area / Villages

Sl.No	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sirsi	Dodnalli	Achanalli Dodnalli Byagadde Javalagundi Narebail Gudnapur Banavasi	2 2 2 2 2 9 9	Paddy Maize Pulses(Green gram, Arecanut Black pepper Vegetable Ginger Dairy	Paddy: Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease Pulses: Poor yield, low fertility, sucking pests Arecanut: Low yield, un scientific drainage, nutdrop and splitting, kole roga Black pepper: Sucking insects, foot rot disease, berry drop, micronutrient deficiency alternate non availability of pepper standards	ICM in Paddy CFLD on pulses ICM in Arecanut ICM in Black pepper IDM in

Sl.No	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						<p>other than arecanut</p> <p>Ginger: Rhizome rot disease, shoot borer</p> <p>Dairy : Reproductive problems, fodder scarcity during summer Mastitis, Micronutrient deficiency, metabolic disorders, FMD, Theilariosis, Babesiosis etc</p> <p>Poor Nutrition Underutilization of Jackfruit, lack of Awareness on value addition of jackfruit & Banana</p>	<p>Ginger</p> <p>Disease management(RB, CIDR, Mastitis), Demonstration of Guinea and Stylo grasses</p> <p>Nutrition garden</p> <p>Value addition of Jackfruit</p> <p>Value Addition of Banana - Chips</p>
2	Mundagodd	Malagi	Haraganahalli Malgi Dharma colony	3 5 2	Paddy Maize Pulses(Green gram, Blackgram) Arecanut Black pepper Vegetable Dairy	<p>Paddy: Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease Pulses:Poor yield, low fertility, sucking pests</p> <p>Maize: Rootrot, Weed, low yield, Fall army worm</p> <p>Arecanut: Low yield, unscientific drainage, nutdrop and splitting, kole roga</p> <p>Black pepper: Sucking insects, foot rot disease, berry drop,</p>	<p>ICM in Paddy</p> <p>ICM on pulses</p> <p>ICM in maize with Special emphasis on weed management</p> <p>Nutrient and disease management</p> <p>Integrated Pest Management</p>

Sl.No	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						micronutrient deficiency Dairy: Fodder scarcity during summer, Mastitis, reproductive failure, metabolic problems	Integrated Nutrient Management Preventive strategies for mastitis, Synchronization with timed AI, integrated periparturient disease management Introduction of improved perineal grass
3	Haliyal	Sambrani	Tippanageri Kalaginakoppa	2 1	Maize Paddy Cotton	Cotton : Low yield, sucking insects, boll and square drop, drudgery in picking/harvesting Paddy: Long duration paddy	ICM in <i>Bt.</i> Cotton Varital Introduction of Sabhagidhan paddy variety
		Havagi	Kerwad	1	Mango, cashew, vegetables, Banana, Fisheries, sheep farming, sugarcane, Dairy	Fisheries: Poor growth and mortality in fingerlings, Dairy: Mastitis, metabolic and reproductive failure Mango: poor flower setting and fruit fly	Fisheries: Amur common carp introduction in farm ponds with floating pellets feeding, ICM in mango
4	Kumta	Kalbhag	Kalbhag Alvekodi Kodkani Kaire Bastipete Holanagadde Chittekambi Bavikodlu	3 2 2 2 6 2 2 2	Coconut Watermelon Groundnut Onion Poultry	Water melon: pest, disease, low yield Groundnut: Poor yield, Leaf miner, tikka disease Onion: Twisting in onion Poultry: Local bird, low weight	IPM in Water melon ICM on groundnut (CFLD) Disease Management Evaluation of

Sl.No	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
			Kadime	1		gain and egg production	poultry breeds
5	Yellapur	Manchikeri	Mangyantavara	1	Cotton Maize	Cotton: Low yield, sucking insects, boll and square drop, drudgery in picking/harvesting	IPM in <i>Bt.</i> cotton.

2.8 Details of Benchmark Information collected from DFI villages

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
1	Sirsi	Doddanalli	Narebail	Dhurga Gouraya	250846	114270	136576
2	Sirsi	Doddanalli	Narebail	Mahadevi Arya	419099	110000	309099
3	Sirsi	Doddanalli	Narebail	Mastya Naik	157546	86000	71546
4	Sirsi	Doddanalli	Narebail	Tukaram Arya	137854	35000	102854
5	Sirsi	Doddanalli	Narebail	Muktesh	157456	63000	94456
6	Sirsi	Doddanalli	Narebail	Abdulsab	148456	84560	63896
7	Sirsi	Doddanalli	Narebail	Chidambar Agadi	180467	89800	90667
8	Sirsi	Doddanalli	Narebail	Budansab	156213	105500	50713
9	Sirsi	Doddanalli	Narebail	Kamalakar	166243	63000	103243
10	Sirsi	Doddanalli	Narebail	Timma	333456	169000	164456
11	Sirsi	Doddanalli	Narebail	Savitri	133561	60000	73561
12	Sirsi	Doddanalli	Narebail	Chandru	342526	90000	252526
13	Sirsi	Doddanalli	Narebail	Geetha Raju Arye	137562	50000	87562
14	Sirsi	Doddanalli	Narebail	Annappa	152456	70000	82456

15	Sirsi	Dodnalli	Byagadde	Hanumanta Bheema Naik	54000	32000	22000
16	Sirsi	Dodnalli	Byagadde	Keshav Chidananda hegde			
17	Sirsi	Dodnalli	Javalagundi	Shankar	252000	168000	84000
18	Sirsi	Dodnalli	Javalagundi	Savan V Vernekar	604400	505000	99400
19	Sirsi	Dodnalli	Byagadde	Ramani	124000	63000	
20	Sirsi	Dodnalli	Achanalli	K.S. Kenchappa	438290	260400	177890
21	Sirsi	Dodnalli	Chipgi	Mahesh Shetti	1820000	580000	1240000
22	Sirsi	Dodnalli	Achanalli	Sathish gouda	404000	373000	31000
23	Sirsi	Dodnalli	Achanalli	Virendra Sadashiva Gouda	218000	182000	36000
24	Sirsi	Dodnalli	Dodnalli	Ashok Janardhan Pujari	72000	69000	3000
25	Sirsi	Dodnalli	Dodnalli	Gopi Ganapati Chalvadi			
26	Sirsi	Dodnalli	Dodnalli	Manjunath Irayya Naik	74000	69000	5000
27	Sirsi	Dodnalli	Dodnalli	Suresh V Bhat	303600	254600	49000
28	Sirsi	Dodnalli	Dodnalli	Girija Babu Devadiga			
29	Sirsi	Dodnalli	Achanalli	Maruti Bangarya Jogi	366000	306000	60000
30	Sirsi	Dodnalli	Achanalli	Indra Nagaesh Jogi	143000	89000	54000
31	Sirsi	Dodnalli	Achanalli	Sachin Satish Bhat			
32	Sirsi	Dodnalli	Dodnalli	Shripad G Hegde	829200	528800	300400
33	Sirsi	Dodnalli	Dodnalli	Umesh Hegde	920000	897000	23000
34	Sirsi	Dodnalli	Dodnalli	Satyanarayana V. Hegde	108000	89000	19000
35	Sirsi	Dodnalli	Dodnalli	Satynarayana J. Pujari	76000	69000	7000
36	Sirsi	Dodnalli	Dodnalli	Pradeep Hegde			
37	Sirsi	Dodnalli	Dodnalli	Subray Hegde	653300	530000	123300
38	Sirsi	Dodnalli	Dodnalli	Kalinga Rao sampagod	258000	247000	11000
39	Sirsi	Dodnalli	Dodnalli	Krishna V Hegde	504000	229000	275000
40	Sirsi	Sadashivalli	Nidagod	Parameshwar V bhat	405000	300000	105000
41	Sirsi	Dodnalli	Dodnalli	Mahendra Bhat	625000	595000	30000
42	Sirsi	Dodnalli	Achnalli	Sathish gouda	404000	473000	-69000
43	Sirsi	Dodnalli	Achnalli	Ravindra bangarapa gouda	439000	368000	71000
44	Sirsi	Dodnalli	Achnalli	Irappa S Jogi	98200	73400	24800
45	Sirsi	Dodnalli	Achnalli	Lohith M jogi	366600	362000	46000
46	Sirsi	Dodnalli	Hutthagara	Ganesh Hegde	220000	1320000	88000

47	Sirsi	Dodnalli	Achnalli	Sankar nagya jogi	110000	48000	62000
48	sirsi	Dodnalli	kulave	jaffer A Shunti	260000	370000	-110000
49	Sirsi	Dodnalli	Achnalli	Shivappa P Jogi	178600	132000	46000
50	Sirsi	Dodnalli	Achnalli	Sadashivappa B Gouda	225000	320000	-95000
51	Sirsi	Dodnalli	Achnalli	virendra S Gouda	218000	320000	-102000
52	Mundgod	Malagi	Haraganalli	Nanesab Ugarani	251660	102270	149390
53	Mundgod	Malagi	Haraganalli	Mahesh Shrungeri	102900	21000	81900
54	Mundgod	Malagi	Haraganalli	Basavaraj Haslar	196810	74000	122810
55	Mundgod	Malagi	Haraganalli	Nagaraj Haslar	115600	21000	94600
56	Mundgod	Malagi	Haraganalli	Manjunath Haslar	175500	41000	134500
57	Mundgod	Malagi	Haraganalli	Lohita Hosalar	137220	72560	64660
58	Mundgod	Malagi	Haraganalli	Jaiwanth Haslar	128200	77800	50400
59	Mundgod	Malagi	Haraganalli	Veerupakshi Kareyannavar	166800	93500	73300
60	Mundgod	Malagi	Haraganalli	Nagaraj Katera	108200	41000	67200
61	Mundgod	Malagi	Haraganalli	Kadargous	136300	57000	79300
62	Mundgod	Malagi	Haraganalli	Choudappa naik	298500	123750	174750
63	Mundgod	Malagi	Haraganalli	Gadigeppa Shrungeri	178160	52720	125440
64	Mundgod	Malagi	Haraganalli	Kamalavva Hosalli	161400	64000	97400
65	Mundgod	Malagi	Haraganalli	Shekappa Gadagera	115400	41700	73700
66	Mundgod	Malagi	Haraganalli	Kaparsab Savanur	153120	54000	99120
67	Mundgod	Malagi	Haraganalli	Maksad ali Savanur	212500	85000	127500
68	Mundgod	Malagi	Haraganalli	Hanmantappa Shrungeri	353600	142800	210800
69	Mundgod	Malagi	Haraganalli	Hazart ali	201440	73710	127730
70	Mundgod	Malagi	Haraganalli	Abdulkarim	210570	74000	136570
71	Mundgod	Malagi	Haraganalli	Abdul Sangur	253440	105700	147740
72	Mundgod	Malagi	Haraganalli	Girajavva Boraguddi	426000	183000	243000
73	Mundgod	Malagi	Haraganalli	Basavanta shrungeri	211040	83000	128040
74	Mundgod	Malagi	Haraganalli	Parvati Hasalar	180000	78000	102000
75	Mundgod	Malagi	Haraganalli	Kallappa Lamani	296800	113000	183800
76	Mundgod	Malagi	Haraganalli	Jagdish Patil	338569	103000	235569
77	Mundgod	Malagi	Haraganalli	Gurunath Patil	373600	123000	250600

78	Mundgod	Malagi	Haraganalli	Ratanamma Patil	356000	153000	203000
79	Mundgod	Malagi	Haraganalli	Hanmantappa Hangal	200000	13000	187000
80	Mundgod	Malagi	Haraganalli	Nagaraj Patil	660000	353000	307000
81	Mundgod	Malagi	Haraganalli	Mahadevappa Hangal	365500	72450	293050
82	Mundgod	Malagi	Haraganalli	Lakshman Hangal	256500	63000	193500
83	Mundgod	Malagi	Haraganalli	Manjunath Hangal	86800	58000	28800
84	Mundgod	Malagi	Haraganalli	Manjunath Koder	382800	157000	225800
85	Mundgod	Malagi	Haraganalli	Shivmurthy Shrungeri	198550	41500	157050
86	Mundgod	Malagi	Haraganalli	Basavani Shannalli	218500	46000	172500
87	Mundgod	Malagi	Haraganalli	Shivaputrappa Hangal	181800	63000	118800
88	Mundgod	Malagi	Haraganalli	Annapurna Bavi	173000	34000	139000
89	Mundgod	Malagi	Haraganalli	Fakkirappa Veerapur	100550	51000	49550
90	Mundgod	Malagi	Haraganalli	Ganapati Haraganalli	253440	120000	133440
91	Mundgod	Malagi	Haraganalli	Gagadar Kalebail	199000	29500	169500
92	Mundgod	Malagi	Haraganalli	Malatesh Kaler	229825	97875	131950
93	Mundgod	Malagi	Haraganalli	Bangareppa Kaler	187500	77500	110000
94	Mundgod	Malagi	Haraganalli	Maruti Kalebail	265060	105700	159360
95	Mundgod	Malagi	Haraganalli	Mallappa	207990	89000	118990
96	Mundgod	Malagi	Haraganalli	Fakkirappa	225750	102600	123150
97	Mundgod	Malagi	Haraganalli	Parvatyavva	124560	33500	91060
98	Mundgod	Malagi	Haraganalli	Keriyappa	321690	105000	216690
99	Mundgod	Malagi	Haraganalli	Maruti Hangal	264600	89500	175100
100	Mundgod	Malagi	Haraganalli	Basavaraj Alur	238040	104000	134040
101	Mundgod	Malagi	Haraganalli	Abdul Angdi	257000	85500	171500
102	Mundagod	Haraganahalli	Dharma colony	Jeevan K chakrasali	526000	304000	222,000
103	Mundagod	Haraganahalli	Dharma colony	Ratna Chandrappa Melinamane	205000	76000	129000
104	Mundagod	Haraganahalli	Dharma colony	Ganapati V. Hegde	303000	197000	106000
105	Mundagod	Haraganahalli	Dharma colony	Chandrshekar S. Harijan	115000	79000	36000
106	Mundagod	Haraganahalli	Dharma colony	Shankarappa	406000	234000	172000
107	Mundagod	Haraganahalli	Dharma colony	Chandrappa D. Naik	223000	139000	84000
108	Mundagod	Haraganahalli	Dharma colony	Geeta Jeevan Chakrasali	526000	304000	222,000

109	Mundagod	Harganalli	Koppa	Basavanagouda patil	3000000	1800000	1200000
110	Kumta	Kalbhag	Hebbail	Gangadhar V Naik	390000	234000	156000
111	Kumta	Kalbhag	Hebbail	Mahadev M Naik	900000	540000	360000
112	Kumta	Kalbhag	Hebbail	shinnu V Naik	60000	23500	36500
113	Haliyal	Havagi	Kerwad	Jimmy Jerone Dsouza	540000	338000	202000
114	Haliyal	Sambrani	Sambrani	Umesh Vishnu Bhagvatkar	465000	220000	245000
115	Haliyal	Havagi	Kerwad	Ajit S. Ninganagouda	110000	65000	45000
116	Haliyal	Havagi	Kerwad	Dattatray Arvind Phadnis	106000	62000	44000
117	Haliyal	Tippanagere	Kerwad	Duming Santhan Gonsalis	310000	150000	160000
118	Haliyal	Tippanagere	Kerwad	Ajith Sahadev ninganagowda	110000	65000	45000
119	Haliyal	Tippanagere	Kerwad	Nagooli yellari patil	150000	60000	90000

2.10 Priority thrust areas

Thrust area
<ul style="list-style-type: none"> • Integrated Crop Management in paddy, maize, arecanut, mango, pulses, groundnut • Introduction of High Yielding Variety in groundnut, blackgram, paddy • New cropping system : Teff for paddy fallows • Integrated Pest Management in blackpepper, cashew • Farm Mechanization in paddy, arecanut, maize • Integrated Disease Management in ginger, onion, black pepper. • Soil and Water conservation • Integrated Farming System • Income Generating Activities • Nutrition • Agro forestry • Livestock production and management: Reproductive failure, Mastitis, Fodder scarcity, Low SNF and Fat, Vector born diseases in livestock • Lack of awareness on the improved backyard birds and production

PART III - TECHNICAL ACHIEVEMENTS (2020)

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
8	8	40	42	15	15	110	113

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes(No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
123	95	3200	2803	914	866	5500	2766

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
Farm : 150 q	86 q	22000	20118

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
0	0	IBA – 5 kg	2 kg

3.B1. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (PF)	Number of Training (Youths)	Number of Training (EF)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
1	Varietal evaluation	Paddy	Low yield, Moisture stress, Lack of short duration variety	Assessment of Sabhagidhan paddy variety	-	03	0	2	FV: 06	2	-	-	-	-
2	Varietal evaluation	Banana	Lack of suitable variety for processing, low yield	Evaluation of banana varieties for making processed food products	--	01	--	--	12	--	750	--		
3	Cropping system	Sesamum	Low income during summer (After Paddy)	Assessment of Sesamum and Mustard in Paddy residual moisture	-	03	0	3	FV: 05 Method dem: 01	0.06	-	-	-	-
4	Integrated Cop Management (CFLD)	Groundnut	Poor yield, tikka disease, leaf miner		ICM in Groundnut	2	0	2	FV: 05 MD:02 FD:01	15	0	0	Rhizobium : PSB: Trichoderms:	25 kg 25 kg 13 kg

5	Integrated Cop Management (CFLD)	Blackgram	Poor yield, sucking insects		ICM in Blackgram	3	0	0	FV: 5 MD:02 FD:01	5	0	0	Rhizobium : PSB: Trichoderms:	25 kg 25 kg 5 kg
6	Integrated Cop Management (CFLD)	Greengram	Poor yield, sucking insects		ICM in Greengram	3	0	0	FV: 5 MD:02 FD:01	5			Rhizobium : PSB:	25 kg 25 kg
7	Organic farming (PKVY)	Teff	Fallow land, poor soil fertility and Low income	-	Production of Teff crop under organic system	5	0	0	FV: 15 MD:06 FD:04	Teff seeds: 0.16 Daincgha seeds : 3 Sunhe mp seeds : 3.5			Azosperillum : PSB: Trichoderma Pseudomonas VAM Compost culture Neem oil :	50.0 kg 50 kg 20 kg 70 kg 100 kg 50 kg 29 litre
8	Integrated Cop Management	Paddy	Soil acidity Poor soil fertility , Low yield, insect pests (stem borer, ear head bug, BPH) Blast disease		ICM in Paddy	16	3	2	FV: 24 MD:02 FD : 01	PSB-68:2.2 5 Hemavati:0.5 Diancha: 0.5	-	-	Azosperillum, PSB:	5 Kg 5 kg

9	Integrated Cop Management	Arecanut	Nut splitting, Premature Nut drop, Fruit rot disease, Low yield in arecanut	--	ICM in Arecanut	02	--	--	11	--		--		
10		Mango	Micro nutrient deficiency, fruit drop, powdery mildew, hoppers, fruit fly in Mango	--	ICM in Mango	--	--	--	03					
11		Black pepper	High incidence of foot rot disease, nutrient management ,low yield , slow wilt incidence ,spike shedding. in black pepper	--	ICM in Black pepper	02	--	--	12	--	--	--		
12		VEGETABLE	ICM in vegetable	-	-	05	-	-	-	-	-	-		
13	Disease management	Ginger	Rhizome rot	0	Rhizomerot management in ginger	1	0	0	FD:01	0	0	0	<i>Tricoderma: Pseudomonas Neem cake</i>	10 10 500

14	Disease management	black pepper	Slow wilt disease	Evaluation of grafting technology to manage wilt disease in black pepper	--	02	03	--	--	14	450	--		
15	Disease management	Banana	Panama wilt	Assessment of stem injection method in Banana for control of paama wilt	-	0	0	0	FV:02	0	0	0	0	0
16	Disease management	Onion	Twisting	Assessment of management practices for twisting problem in Kumata onion	-	0	0	0	FV:03	0	0	0	0	0
17	Pest Management	Black pepper	Sucking insects	Ecofriendly management of sucking insects in black pepper	-	0	0	0	FV:04	0	0	0	0	0
18	Pest Management	Cotton	Sucking pests Square and boll drop, reddening		Integrated crop management in cotton	02	0	0	FV:02	Bhend i: 0.05	0	0	0	0
19	Pest Management	Watermelon	Low yield		Integrated Pest management in watermelon	1	0	0	FV: 02	0	0	0	0	0
20	plantation crop nurssery	plantation crops	plantation crop nursery	-	-	-	03	0	0	0	0	0	0	0
21	Disease management	Livestock	Repeat breeding		Modified PG protocol for management of repeat breeding	2	0	0	DV:19	0	0	0	0	0

22	Disease management	Livestock	Anoestrous in cows and buffaloe	Assessing the treatment protocol for management of anoestrous in heifers	Management of anoestrous in cows and buffaloes	2	0	0	DV:10	0	0	0	0	0
23	Disease management	Livestock			Preventive practice for subclinical and clinical mastitis	2	0	0	DV:7 MD:7	0	0	0	0	0
24	Disease management	Livestock			Integrate approach for management of low SNF, fat, metabolic problems and ruminal acidosis	2	0	0	DV:5	0	0	0	0	0
25	Fodder scarcity	Fodder	Fodder Scarcity		Improved fodder crop and tree varieties in under utilized land and intercrop	3	0	0	FV:6	Guinea grass:0 .1Cow pea:0. 75	Drumstick seedlings: 100	0	0	0
26	Fish				Monoculture of ammur common carp in farm ponds	1	0	0	FV:4	0	0	Fish fingerlings 4000	0	0
27	Agroforestry	Medicinal plants	Low income, improper utilization of interspace, soil erosion		Demonstration on medicinal plant based agroforestry systems in Uttara Kannada district	01	0	0	0	-	Shatavari 250 nos Citronella grass 250 Nos Vetiver grass 250 Nos	0	0	0

28	Agroforestry	<i>Dendrocalamus stocksii</i> (Marihal)	Improper utilization of farm bunds, Low income, Poor soil fertility, soil erosion, Absence of live fence on bunds		Cultivation of <i>Dendrocalamus stocksii</i> (Marihal Bamboo) on bunds/boundaries of farm land : A additional source to the farm income	01	0	0	0	-	<i>Dendrocalamus stocksii</i> seedlings 100 Nos	0	0	0
29	Agroforestry	Ylang-Ylang	Lack of Knowledge about Ylang-ylang Low income		Demonstration Ylang-ylang based 3 tier agroforestry systems	01	0	0	0	-	Ylang-Ylang seedlings 100 No.			
30	Varietal Introduction	Poultry		Assessing the performance of backyard poultry varieties.			0	0	0	0	0	0	0	0
31	mushroom production	mushroom	marketing strategies in mushroom and mushroom byproducts	-	-	-	-	01	-	-	-	-		
32	value addition	jackfruit and cocoa	value addition to jack fruit and cocoa	-	-	-	02	-	-	-	-	-		

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Assessment of Sabhagidhan paddy variety	CRRRI	Paddy	10	-	05	Field visits :06
2	Assessment of Sesamum and Mustard in Paddy residual moisture	PAU Ludhiana and KAU	Sesamum and mustard	10	-	06	Field visits :05 Method demo : 01
3	ICM in Groundnut	UAS Dharwad	Ground nut	-	25	04	Field visits :05 Method demo : 02 Field day :01
4	ICM in Black gram	UAS Dharwad	Black gram	-	50	03	Field visits :05 Method demo : 02 Field day :01
5	ICM in Green gram	UAS Dharwad	Green gram	-	50	03	Method demo : 02
6	Production of Teff crop under organic system under PKVY Project	UAS Dharwad	Teff	-	50	05	Field visits :15 Method demo : 06 Field day :04
7	ICM in Paddy	UAS Dharwad	Paddy	-	15	21	Field visits :24 Method demo : 02 Field day :01
8	Integrated Disease Management	UASD	Ginger	0	01	1	Field Day : 01 Field Visits: 5
9	Integrated Disease Management	IISR Calicut	Black pepper	0	02	02	Field Visits: 6
10	Eco-friendly management of sucking insects in black pepper	UASD	Black pepper	05	0	0	FV: 04
11	Assessment of management practices for twisting problem in Kumata onion	UASD	Kumta Onion	05	0	0	FV:03
12	Integrated pest management in cotton	UASD	Br.cotton	0	01	02	FV:02
13	Integrated pest management in watermelon	UASD	Water melon	0	01	01	FV:02
14	Demonstration of Medicinal plant based agroforestry system	KAU, Thrissur	Medicinal plants	0		0	FV:01
15	Cultivation of <i>Dendrocalamus stocksii</i> (Sheme bamboo) on bunds/boundaries of farm land : A additional source to the farm income	UAS,Dharwad & DBSKV,Dapoli	<i>Dendrocalamus stocksii</i> (Sheme bamboo)	0		0	FV:01
16	Demonstration Ylang-ylang based 3 tier agroforestry systems	KAU, Thrissur	Ylang-ylang (<i>Cananga odorata</i>)	0		01	FV:01
17	Modified PG protocol for management of repeat breeding	KVAFSU-Bidar	Dairy		10	2	Diagnostic visits
18	CIDR synch protocol for management of anestrus in dairy animals	KVAFSU-Bidar	Dairy		10	2	Diagnostic visits
19	Preventive practices for subclinical and clinical mastitis	IVRI, Izatnagar	Dairy		15	2	Method demonstratins:7
20	Assessing the treatment protocol for management of anestrus in heifers	KVAFSU- Bidar & GADVASU-Ludhiana	Dairy	5		1	Diagnostic visit
21	Integrate approach for management of low SNF, fat, metabolic problems and ruminal acidosis	KVAVSU-Bidar	Dairy		5	2	Diagnostic visit

Mechanization										
Mushroom cultivation										
Others										
Total										

4.A3. Abstract on the number of technologies assessed in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	0	01	0	0	0	01
Nutrition Management	0	0	0	0	0	0
Disease of Management	0	0	0	0	0	0
Value Addition	0	0	0	0	0	0
Production and Management	0	0	0	0	0	0
Feed and Fodder	0	0	0	0	0	0
Small Scale income generating enterprises	0	0	0	0	0	0
Dairy	0	0	0	0	0	0
Others (Pl. specify)	0	0	0	0	0	0
TOTAL	0	1	0	0	0	1

4.A4. Abstract on the number of technologies refined in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
Dairy						
Others (Pl. specify)						
TOTAL						

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Varietal Evaluation	Paddy	Assessment of sabhagidhan paddy variety	10	10	0.4
	Sesamum	Assessment of sesamum and mustard in paddy residual moisture (2019-20)	10	10	0.4
	Banana	Assessment of banana varieties for making processed food products	03	03	0.1
Integrated Pest Management	Blackpepper	Eco-friendly management of sucking pests in Black pepper (2019-20)	3	3	0.48
Integrated Crop Management					
Integrated Disease Management	Onion	Management of Twisting problem in Kumata Onion (2019-20)	5	5	0.2
	Black	Assessment of grafting technology to	03	03	0.60

	pepper	manage wilt disease in black pepper			
	Banana	Assessment of stem injection method in banana for control of panama wilt	03	03	1.20
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			37	37	3.38

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					

Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
Evaluation of breeds	Poultry	Assessing the performance of improved backyard poultry breeds	5	5
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

4.B.4. Technologies Refined under Livestock and other enterprises

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

4.B.5. Technologies assessed under various enterprises by KVKs

Sl.	Thematic areas	Name of the enterprise	Name of technology(s)	No. of trials	No. of locations
1	Drudgery reduction				
2	Entrepreneurship Development				
3	Health and nutrition				
4	Processing and value addition				
5	Energy conservation				
6	Small-scale income generation				
7	Storage techniques				
8	Household food security				
9	Organic farming				
10	Agroforestry management				
11	Mechanization				
12	Resource conservation technology				
13	Value Addition				
14	Others				

4.B.6. Technologies assessed under various enterprises for women empowerment

	Thematic areas	Name of enterprise	Name of technology(s)	No. of trials	No. of locations
1	Drudgery Reduction				
2	Entrepreneurship Development				
3	Health and Nutrition				
4	Value Addition				
5	Women Empowerment				
6	Others(Home science)				

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Paddy	Rainfed	• Low yield Moisture stress	Assessment of Sabagidhan paddy variety	10	TO1: MTU-1001	UAS Dharwad	48.1	q/ha	Maturity (days): 136.	88550	40310	1.84
					TO2: MGD-101	UAS Dharwad	49.5	q/ha	135	89280	42930	1.85
					TO3: Sabagidhan	CRRRI	60.3	q/ha	126	104600	58350	2.17
Sesamum (19-20)	Residual moisture	Low income	Assessment of Sesamum and Mustard in Paddy residual moisture	10	TO1: Black gram	UAS Dharwad	5.20	q/ha		31206	13328	1.75
					TO2: Mustard	PAU Ludhiana	5.04	q/ha		20370	3613	1.22
					TO3: Sesamum	KAU	4.07	q/ha		42360	21550	2.04
Black pepper (19-20)	Irrigated	• Sucking insects • Scales • Mealy bugs	Eco-friendly management of sucking pests in Black pepper	3	TO1: Spraying with Dimethoate 2 ml/l	-	6.92	q/ha	Coccinellid Population(%): 0 Sucking Insects:0.43	214520	166900	4.50
					TO2: Spraying with Neem soap @ 10g/l	IIHR, Bengaluru	6.17	q/ha	0.15 0.62	207080	158330	4.25
					TO3: Spraying with Pongamia soap @10 g/l	IIHR, Bengaluru	6.68	q/ha	0.01 0.98	191270	145630	4.19
					TO4: Spraying with Neem oil @ 0.3%	IISR, Calicut	6.60	q/ha	0.0 0.55	204600	155100	4.13
Kumata Onion	Irrigated	• Twisting problem	Management of Twisting problem in Kumata Onion	5	TO1: Spraying with different combination of pesticides		127.3	q/ha		356440	280340	4.56
					TO2: Soil application of Neem cake 5 q/ha + trichoderma 5 kg/ha Seed treatment with	Adhoc recommendation (Results of NABARD project)	132	q/ha		369600	293200	4.71

					Carbendazim @ 2g/kg and seedling dip with <i>Pseudomonas fluorescens</i> 10 g/l, Spraying with Hexaconazole 0.1 % Multi K 5g/l and Boron 2g/l							
Banana	irrigate	Lack of suitable variety for processing, low yield	Evaluation of banana varieties for making processed food products	03	T.O.1 (Farmers practice)	farmer practice	40	ton	III	360000	229000	2.75
					T.O.2	UAS-B	28	ton	II	327428.6	192428.6	3.11
					T.O.3	NRC on banana thiruchanapalli	43	ton	I	331402.6	192402.6	3.71
Banana	irrigate	Lack of knowledge about improved cultural practices Poor soil fertility Lack of knowledge on improved varieties Incidence of pest and diseases	Assesment of stem injection method in banana for panama wilt	03	T.O.1 (Farmers practice)	farmer practice	35	ton	Panama Wilt incidence (%): 25	315000.00	174333.33	2.24
					T.O.2	UHS, Bagalkot	42.50	ton	11	382500.00	236500.00	2.62
					T.O.3	UASD	47.50	ton	1	427500.00	302500.00	3.42
Black pepper	Irrigated	●Wilt disease in black pepper	Evaluation of grafting technology to manage wilt disease in black pepper	3	TO1: Planting of rooted runner shoot cuttings followed by Bordeaux Mixture spray		-	-	Seedling Survival (%):-	-	-	-
					TO2: Planting of rooted runner shoot cuttings followed by application of carbofuran granules (50gm) and Metalaxyl (0.125%), Bordeaux Mixture spray	UHS (B)	-	-	83.33	-	-	-
					TO3: Planting of Panniyur-1 +	IISR, Kozhikode	-	-	76.66	-	-	-

					<i>Piper colubrinum</i> grafted plant							
					TO4:Planting of Karimunda + <i>Piper colubrinum</i> grafted plant	IISR, Kozhikode	-	-	75	-	-	-
Poultry	-	<ul style="list-style-type: none"> Local birds Slow growth and low egg production 	Assessing the performance of backyard poultry varieties	3	TO1-farmer practice		49	-	Mortality rate (%): 5 Weight Gain(kg): 1.12			
					TO2-Srinidhi	PD on poultry, Hyderabad	142	-	1.6 2.17	55900	35100	2.68
					TO3-Gramapriya	PDP, Hyderabad	168	-	18 1.98	50250	33750	3.04
					TO4-Cari-nirbhik	CARI, Izzatanagar	171	-	16.6 1.68	50960	34510	3.09

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Sabhagidhan paddy variety	Sabhagidhan paddy variety is the short duration variety and matures in 126 days. This escapes moisture stress at later stages. Pest and disease incidence is less. Grain quality is medium and good for consumption . But Bold seeded rice is preferred in market.	-
Assessment of Sesamum and Mustard in Paddy residual moisture	Sesamum crop gives more income than other two crops. Marketing also easy than other two crops	-
Eco-friendly management of sucking pests in Black pepper	Neem soap and pongamia soap were found promising in management of sucking insects. Timely availability of these inputs at remote villages of Uttara Kannada district is constraint.	-
Management of Twisting problem in Kumata Onion	Kumata onion is cultivated in very small area by the farmers in a specific patch in Kumata tq. under organic methods. Many spray schedules limited the farmers to adopt the technology.	No spray equipments with the onion growers. Hence found difficult to implement the technology.
Evaluation of banana varieties for making processed food products	The variety assessed was high yielding showed good response for processed food making as compared with other and with respect to organoleptic parameters it has got good colour, texture and taste. Good for commercial production of processed products	the variety is not easily available to the farmer
Assesment of stem injection method in banana for panama wilt	Most economic practice to control panama wilt. By comparing with the other 60-70% cost reduction, and 90% accuracy in controlling panama wilt	lack of awareness and needle which we use for this method is not easily available to the farmer
Evaluation of grafting technology to manage wilt disease in black pepper	The technology is showing promising results ,early bearing and tolerant to wilt disease in black pepper	-
Assessing the performance of improved backyard poultry breeds	Fast growth, good egg production and regular income, however in early stages become easy pray.	Availability is limited and high cost incurred in transportation from reliable sources

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of Sabhagidhan paddy variety

2. Performance of the Technology on specific indicators:

Sabhagidhan paddy variety matures in 125 days. Sabhagidhan variety recorded grain yield of 61.9 q/ha as compared to MGD-101 (51.6 q/ha) and MTU-1001 (49.1 q/ha). Net income was also recorded higher in Sabhagidhan (Rs.54325/ha) than MGD-101 (Rs.44430/ha and MTU-1001 (Rs. 41310 /ha).

3. Specific Feedback from farmers: Sabhagidhan paddy variety is the short duration variety and matures in 126 days. This escapes moisture stress at later stages. Pest and disease incidence is less. Grain quality is medium and good for consumption .

4. Specific Feedback from Extension personnel and other stakeholders: But Bold seeded rice is preferred in market.

5. Feedback to Research System based on results and feedback received: Nil

6. Feedback on usefulness and constraints of technology: Nil

4.D1. Results of Technologies Refined

Crop/enterprise	Farmer's situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income / Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1 (Farmer's practice)							
					T.O.2							
					T.O.3							

4. D2. Feedback on technologies refined

Name of technology refined	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

4.D.2. Details of Technologies refined:

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received
6. Feedback on usefulness and constraints of technology

PART V - FRONTLINE DEMONSTRATIONS (2019)

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
1	Oilseeds	Residual moisture and protective irrigation (CFLD)	Summer	Ground nut	G 2-52	-	Integrated crop management	Varietal Introduction of G2-52 Seed treatment with Rhizobium, PSB & Trichoderma Management of leaf miner with Profenophos 50 EC @ 2ml/l and Mangal Bio 20 @ 2ml/l	10	10	-	25	25	-
2	Pulses	Residual moisture (CFLD)	Summer	Black gram	DU-1	-	Integrated crop management	Introduction of DU-1 Seed treatment with bio-fertilizers & Trichoderma Management of sucking pest	20	20	16	50	66	--
3		Residual moisture (CFLD)	Summer	Green gram	DGGV-2	-	Integrated crop management	Introduction of DGGV-2 Seed treatment with bio-fertilizers & Trichoderma Management of sucking pest	20	20	16	50	66	--
4	Cereals	Rainfed	Kharif	Paddy	PSB-68	-	Integrated crop management	Introduction PSB-68 HYV Seed treatment with Carbendazim Seedling	6	6	02	11	13	-

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
29	Common carps	-	Rabi		Fish	Ammur common carp	Varietal performance	Monoculture of amur common carp in farm pond	3	5	0	5	5	0
30	Mussels													
31	Ornamental fishes													
32	Oyster mushroom													
33	Button mushroom													
34	Vermicompost													
35	Sericulture													
36	Apiculture													
37	Implements													
38	Others (specify)													
39	Agroforestry	Rainfed	Kharif	Sheme bamboo	Dendrocalamus stocksii (Sheme bamboo)	-	Additional Income Generation	Cultivation of Dendrocalamus stocksii (Sheme bamboo) on bunds/boundaries of farm land : A additional source to	-	-	0	5	5	0

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								the farm income						
40		Rainfed	Kharif	Ylang Ylang	Cananga odorata	-	Additional Income Generation	Ylang-Ylang based three tier agroforestry system	-	-		03	03	0

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds	ICM in Ground nut	G 2-52	-	Residual Moisture	25	10	23.3	15.60	18.77	12.76	47.1	108854	68004	2.66	70180	31230	1.80
Pulses	ICM in Black gram	DU-1	-	Residual Moisture	66	20	6.20	4.00	5.49	3.27	67.9	30195	16645	2.23	17985	8405	1.9
	ICM in greengram	DGGV-2	-	Residual Moisture	66	20	7.2	4.9	6.29	54.54		31450	17752	2.3	18300	8775	1.92
Cereals	ICM in Paddy	PSB-68	-	Rainfed	13	6	92.46	62.46	79.28	46.35	71.05	158524	92274	2.39	95550	40590	1.74
	ICM in Maize with special emphasis on fall army worm management	-	Private (DKC)	Rainfed	10	4	33.5	29.0	31.25	26.50	17.92	56250	32750	2.39	47700	18700	1.65
Millets																	
Vegetables																	
Flowers																	
Ornamental																	
Fruit	ICM in Water Melon (2019-20)		Private (Naamdari)	Irrigated	5	2	268.0	180.0	205.0	170.0	20.59	174250	91750	2.11	144500	71000	1.97
	ICM in Mango	-	-	Rain fed	05	2 ha	140	130	134	106	26.42	469000	390400	5.97	371000	295600	4.92
Spices and condiments	Rhizomerot management in Ginger	Himachal	-	Irrigated	05	0.1	248.5	240.5	243.94	148.18	64.62	670835	490335	3.72	407495	256245	2.69
	Foot rot management in Black pepper	Paniyur-1	-	Irrigated	03	0.12	17.7	16.5	16.83	11.5	46.35	605880	440280	3.66	414000	291500	3.38

- **ICM in Ground nut**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Plant Height (cm)	21.18	19.04
Good pods/plant	17.12	12.50
Pod Weight/plant(g)	19.26	15.15

- **ICM in Black gram**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Plant Height (cm)	23.93	20.16
No. of pods/plant	16.14	12.09
Pod length (cm)	6.04	4.59

- **ICM in Green gram**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Plant Height (cm)	27.39	22.76
No. of pods/plant	16.52	12.24
Pod length (cm)	8.04	6.59
No. of Grains/Pod	12.5	12.8

- **Production of Teff crop under organic system**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Plant Height (Cm)	138.8	123.5
No. of tillers/hill	18.8	14.6
Panicle Height (cms)	19.5	16.8
No. of Grains/ panicle	158.2	145.7
Stem borer incidence	1.70	9.50
Stem borer control (%)	82.11	-
Leaf folder incidence	2.0	8.2
Leaf folder control (%)	75.61	-
Blast incidence	5.50	30.29
Blast control (%)	81.84	-
False smut(%)	1.5	3.0

- **ICM in paddy**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Plant Height (Cm)	138.8	123.5
No. of tillers/hill	18.8	14.6
Panicle Height (cms)	19.5	16.8
No. of Grains/ panicle	158.2	145.7
Stem borer incidence	1.70	9.50
Stem borer control (%)	82.11	-
Leaf folder incidence	2.0	8.2
Leaf folder control (%)	75.61	-

Blast incidence	5.50	30.29
Blast control (%)	81.84	-
False smut(%)	1.5	3.0

- **ICM in Maize with special emphasis on fall army worm management**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Total No. of FAW moths trapped	120	-
No of larvae per plant	Nil	1 to 2

- **IPM in Bt Cotton**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Aphids /3 leaves	0.25	3.50
Thrips /3 leaves	0.20	2.00
Shoot weevil %	Negligible	Negligible

- **Rhizome rot management in Ginger:**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Incidence of rhizome rot %	11.83	23.70

- **Foot rot management in Black pepper:**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Leaf infection %	12.86	35.00
Yellowing %	8.50	36.90
Wilted vines %	2.1	24.76

- **ICM in Water melon**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Fusarium wilt(%)	2.00	1.20
% Malformed fruits	5.60	4.50

- **Medicinal plant based agroforestry system**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Citronella grass vg.No. root slips per plants	25.30	21.50
Vetiver grass Avg.No. root slips per plants	21.50	16.50
Shatavari average plant height	55.65 cm	45.50 cm

- **Cultivation of Dendrocalamus stocksii (Sheme bamboo) on bunds/boundaries of farm land :
A additional source to the farm income**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check

No. of culms per clump:	3.50 cm	-
Avg. clump height	2.15 cm	-

- **Demonstration of three tier Ylang-ylang based agroforestry system**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Avg. no. plant height	1.50 m	1.15 m

5. B2. Feedback on technologies demonstrated

Name of technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
ICM in Ground nut	Ground nut variety G 2-52 given high yield under paddy residual moisture. Green fodder at maturity stage also. No leaf spot disease. Profenophos is effective in managing leaf miner. Biofertilizer and Trichoderma treatment resulted in more of nodules in roots and controlled collar rot.	
ICM in Black gram	Variety DU-1 given high yield under paddy residual moisture. Dimethoate is effective in managing sucking insects. Biofertilizer and Trichoderma treatment resulted in more of nodules in roots and controlled collar rot.	
ICM in Green gram	Variety DGGV-2 given high yield under paddy residual moisture. Dimethoate is effective in managing sucking insects. Biofertilizer resulted in more of nodules in roots. Late sown plots showed yellow mosaic.	
ICM in Paddy	High yielding variety, long slender grain, Good for puffed rice, flakes and parboiling, one week early maturity than Abhilash variety, Quality fodder, Pest and disease tolerance. But 1-2% False incidence was noticed.	-
Production of Teff under organic system	Teff crop is highly remunerative crop for summer after paddy crop in short period. Quality fodder is produced	Marketing was the problem due to of higher price.
ICM in Maize with special emphasis on fall army worm management	Ecofriendly management of FAW Constraints : Availability of pheromone traps, EPF- <i>M. rileyi</i>	-
IPM in Bt Cotton	Use of trap crop reduces the pest load on main crop i.e. cotton, Status of PBW will be known through Pheromone traps Constraints : Use of trap crop Bhendi for every twenty rows of cotton poses problem during inter cultivation in cotton. Availability of pheromone traps	-
Foot rot management in Black pepper:	Use of trichoderma enriched neem cake improves the soil fertility and disease resistance of the plant. Improves the beneficial soil microbes Constraints: Timely availability of bio- agents	Lack of awareness, non availability of bio-agents in local market.
Management of rhizome rot in ginger	Reduction in use of chemicals, decreased cost of cultivation. Constraints: Availability of disease free rhizomes.	Farmers oriented towards chemical usage for higher yields. Unaware of organic cultivation of ginger.
ICM in Mango	Technology shown good results as compared with other with respect to yield and disease control. By adopting this technology we harvested good quality fruits and fetches more prices ultimately it leads us to gain higher income.	availability of mango special is the major constraints for the farmer

5.B.3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)				% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Dairy																
2019-20	Modified PG protocol for management of repeat breeding	Cross bred	10	10	Milk production in liters	14	8	10.3	3.1	232.2	90502	51112	2.29	21795	2700	1.14
2019-20	CIDR synch protocol for management of anestrus in cows and buffalo	Cross bred	10	10	Milk production in liters	10.8	7.2	8.6	1.9	352.6	53768	23845	1.79	11201	-5680	0.66
2020-21	Preventive protocols for subclinical and clinical mastitis	Cross bred	15	30	SNF%	SNF(%)	9.2	8.5	8.81	8.06	13960	6400	1.82	9373	1813	1.35
					Incidence of sub clinical mastitis (%)	-	13	86.6	-	-	-	-	-	-	-	-
Poultry																
Rabbitry																
Piggery																
Sheep and goat																
Duckery																
Others (pls specify)																

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

** BCR= GROSS RETURN/GROSS COST

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any

5. B6. Feedback on fisheries technologies demonstrated

Name of fisheries technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B.7. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m ² }	Name of the parameter with unit	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m ²)			*Economics of check (Rs./unit) or (Rs./m ²)		
						Demo		Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A							
Oyster mushroom															
Button mushroom															
Vermicompost															
Sericulture															
Apiculture															
Others (pls specify)															
Agroforestry (EDP)	Demonstration on Macro-propagation techniques in Sheme bamboo (<i>Dendrocalamus stocksii</i>)	<i>Dendrocalamus stocksii</i>	05	18 m ²	Sprouting (%)	100 No		40 No.	60 %	25000	17000	3.12	15000	6000	1.66

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local

5. B8. Feedback on enterprises demonstrated

Name of enterprise demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Macro propagation techniques in <i>Dendrocalamus stocksii</i>	Production of quality planting materials of sheme bamboo Fast growing, thorn less in nature and suitable for value addition	Most of the rural youths are shown eager interest to attend the training programme but not adopt the technologies Only few are adapted the demonstrated technologies and adopted and benefited

Soybean															
Others (pl.specify)															
Total															
Pulses															
Greengram															
Blackgram															
Bengalgram															
Redgram															
Others (pl.specify)															
Total															
Vegetable crops															
Bottle gourd															
Capsicum															
Others (pl.specify)															
Total															
Cucumber															
Tomato															
Brinjal															
Okra															
Onion															
Potato															
Field bean															
Others (pl.specify)															
Total															
Commercial crops															
Sugarcane															
Coconut															
Others (pl.specify)															
Total															
Fodder crops															
Maize (Fodder)															
Sorghum (Fodder)															
Others (pl.specify)															
Total															

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

Feedback on crop hybrids demonstrated

Name of crop hybrid demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom production	1	14	0	14	9	0	9	23	0	23
Apiculture	3	65	9	74	22	5	27	87	14	101
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
CapacityBuilding and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agro-forestry	0	0	0	0	0	0	0	0	0	0
Production technologies	5	19	20	39	30	26	56	49	46	95
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (Pl. specify) Bamboo Crafts	1	15	5	20	12	5	17	27	10	37
TOTAL	42	891	173	1064	82	56	138	973	229	1202

Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl.specify) Flower Cultivation	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	4	144	22	166	10	3	13	154	25	179
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	1	9	3	12	0	0	0	9	3	12
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Soil Health and Fertility Management										
Soil fertility management	0	0	0	0	0	0	0	0	0	0
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient use efficiency	0	0	0	0	0	0	0	0	0	0
Balanced use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and water testing	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Livestock Production and Management										
Dairy Management	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Animal Disease Management	1	12	2	14	0	0	0	12	2	14
Feed and Fodder technology	1	12		12	0	0	0	12	0	12
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	20	76	96	0	0	0	20	76	96

	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom production	1	1	15	16	0	0	0	1	15	16
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
CapacityBuilding and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agro-forestry	0	0	0	0	0	0	0	0	0	0
Production technologies	1	21	12	33	12	5	17	33	17	50
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (Pl. specify) Bamboo Crafts	2	23	19	42	30	8	38	53	27	80
TOTAL	48	798	406	1204	101	45	146	899	451	1350

7.E.Trainingprogrammes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	20	5	25	0	0	0	20	5	25
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	1	120	20	140	15	3	18	135	23	158
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	2	140	25	165	15	3	18	155	40	195

7.G. Sponsored training programmes conducted :

S.No	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Crop production and management											
1.a.	Increasing production and productivity of crops	2	34	18	42	2	6	8	36	24	60	
1.b.	Commercial production of vegetables											
2	Production and value addition											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops											
3.	Soil health and fertility management											
4	Production of Inputs at site											
5	Methods of protective cultivation											
6	Others (pl.specify) : Bee Keeping	01	0	0	0	20	5	25	20	5	25	
7	Post harvest technology and value addition											
7.a.	Processing and value addition											
7.b.	Others (pl.specify)											
8	Farm machinery											
8.a.	Farm machinery, tools and implements											
8.b.	Others (pl.specify)											
9.	Livestock and fisheries											
10	Livestock production and management											
10.a.	Animal Nutrition Management											
10.b.	Animal Disease Management											
10.c.	Fisheries Nutrition											
10.d.	Fisheries Management											
10.e.	Others (pl.specify)											
11.	Home Science											
11.a.	Household nutritional security											
11.b.	Economic empowerment of women											
11.c.	Drudgery reduction of women											
11.d.	Others (pl.specify)											
12	Agricultural Extension											
12.a.	CapacityBuilding and Group Dynamics											
12.b.	Others (pl.specify)											
	Total	3	34	18	52	22	11	33	56	29	85	

Details of sponsoring agencies involved**1.SRP: UASD****2.CSS-MIDH****3.ASCI**

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	Post harvest technology and value addition										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	Livestock and fisheries										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing	01	09	01	10	0	0	0	09	01	10
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify): G										
4.	Income generation activities										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.	01	06	6	12	0	0	0	06	06	12
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify) Value Addition	01	23	0	23	1	0	1	24	0	24
5	Agricultural Extension										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	3	38	7	45	1	0	1	39	7	46

PART VIII – EXTENSION ACTIVITIES(2020)**8.1. Extension Programmes (including extension activities undertaken in FLD programmes)**

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	9	152	46	198	27	8	35	12	0	12
Kisan Mela	0	0	0	0	0	0	0	0	0	0
KisanGhosthi	0	0	0	0	0	0	0	0	0	0
Exhibition	1	0	0	0	0	0	0	30	13	43
Film Show	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	25	296	0	296	0	0	0	8	0	8
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	1	0	0	0	0	0	0	42	8	50
Group meetings	3	110	5	115	0	0	0	0	0	0
Lectures delivered as resource persons	9	285	96	381	34	13	47	0	0	0
Newspaper coverage	28	0	0	0	0	0	0	0	0	0
Radio talks	11	0	0	0	0	0	0	0	0	0
TV talks	3	0	0	0	0	0	0	0	0	0
Popular articles	15	0	0	0	0	0	0	0	0	0
Extension Literature	8	0	0	0	0	0	0	0	0	0
Advisory Services	198	152	42	194	18	10	28			0
Scientific visit to farmers field	121	361	28	389	30	5	35	14	4	18
Farmers visit to KVK	321	189	83	272	72	33	105	5	4	9
Diagnostic visits	94	60	16	76	13	3	16	3	14	17
Exposure visits	10	179	20	199	1	0	1	0	0	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	2	24	9	33	9	6	15	3	1	4
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)		0	0	0	0	0	0	0	0	0
National Milk Day	1	12	4	16	5	5	10			0
World Forest Day	1	0	0	0	0	0	0	8	4	12
World Honey Bee Day	1	5	8	13	4	0	4	3	2	5
World Environmental Day	1	0	0	0			0	8	5	13
Vanamahotsava	1	5	3	8			0	10	7	17
World Bamboo Day	1	20	6	26	0	0	0	6	0	6
World Soil Day	1	21	8	29	4	0	4	4	3	7
		0	0	0	0	0	0	0	0	0
Total	866	1871	374	2245	217	83	300	156	65	221

8.2 Special Extension Programmes

Nature of Extension Programme	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Jal Shakti Abhiyan										
Fertilizer Use Awareness Campaign										
National Animal Disease Control Programme										
Tree Plantation Campaign										
Any other, Pl. specify										

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2020)

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy	Abhilasha Hemavati	86 q	-	-
Oilseeds					
Pulses					
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total					

9.B. Production of hybrid seeds by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings	Drumstic	PKM-1	108	1620	7
Fruits					
Ornamental plants					

Medicinal and Aromatic					
Plantation	Arecunut	SAS-1	3084	46260	12
Spices	Black pepper	Panniyer-1	15644	234660	81
	Venilla	Local	87	5220	6
	Cardmom	Mudigere-1	1195	17925	21
Tuber					
Fodder crop saplings					
Forest Species					
Total			20118	305685	127

9.D. Production of hybrid planting materials by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify) Rooting hormone	IBA	0.02	2333.00	26
Total				

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				

Fingerlings				
Others (Pl. specify)				
Total				

**PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK,
TECHNOLOGY WEEK**

10. A. Literature Developed/Published (with full title, author & reference)

(A) KVK Newsletter:

Date of start 01 Jan 2020

Periodicity: _Quarterly

Copies printed in each issue: 100 copies

(B) Literature developed/published

Item	Number
Research papers- International	01
Research papers- National	15
Technical reports	0
Technical bulletins	0
Popular articles - English	0
Popular articles – Local language	17
Extension literature	08
Others (Pl. specify): Abstracts	5
Training Manuals	3
TOTAL	49

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	Vermicomposting with Areca husk	uuploaded to kvk youtube channel.
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	KVK Raita Spandana	75 Participants consisting mainly ATMs and BTMs under ATMA and Progressive Farmers
4		DAESI Karwar	23 participants of DAESI Batch of 2017. Exchange of information on pest and diseases of various crops.
5	Facebook account name	kvkuks@gmail.com	
6	Instagram account name	-	-

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

Success story:

Title: Profitable production of Paddy in Uttara Kannada district.

Background : Paddy is the main field crop in the district and growing in area of 52000 ha. Abhilash and Intan are the prominent varieties grown in the district under rainfed situation in low land area. Soil acidity, Poor fertility, Micronutrient deficiency, Blast, Leaf folder, Ear head bug and BPH are main constraints in paddy production. The productivity in the district was very low (28 q/ha).

Interventions : KVK sirsi addressed the issue with FLD on Integrated crop management. Trainings to farmers, Extension personnel's, FPOs, NGO etc. KVK conducted field visits, diagnostic field visits, workshops, farmer scientist interactions, seminars, field days.
Process: Extension activities.

Technology: Integrated Crop Management in Paddy viz., HYV, Seed treatment with carbendazim, seedling treatment with biofertilizers, Zinc sulphate application, Pest and disease management.

Out come : FLD farmer received First and Second prize in district level in Crop Competition of KSDA. FLD farmer received I, II, and III prize in taluk level Crop Competition of KSDA. Totally 15 farmers received awards in the operation area and 2 farmers applied for state level competition. Six farmers recorded 100 q/ha paddy yield. Average yield of paddy of FLDs was 65 q/ha. Average net profit of paddy was Rs 75250/ha.

Impact:

Horizontal Spread: 33% of farmers adopting Zinc sulphate application
65 % farmers applying Lime
60 % farmers applying chemical fertilizer
25% farmer adopting seed treatment
80 % farmers do Pest and disease management

Overall spread of technology was 32500 ha area in the district. There was change of productivity from 28.0 q/ha to 32 q/ha.

Economic gains: There was additional profit of Rs 35000/ ha

Employment Generation: Nil



Field day and visit of Scientists to the FLD Plot



Installation of pheromone traps against YSB



Guidance to farmers on Advanced Production Technologies for Profitable Paddy Cultivation

Case study:

Title: Hemavati Paddy variety for water logged / submerged situation due to heavy rain.

Background : Water logging is the major issue in the Uttara kannada district especially in low land situation due to heavy rains during July, August and September month in Sirsi and Siddapur taluks . Hemavati is the variety recommended for water logging situation.

Interventions : Production of Hemavati TL seeds in the farmers field on farmers participatory approach and Mass media coverage in daily news paper. Conducted trainings on this.

Process: Production of seeds under farmers participatory program and selling the produced seeds at RSK centre with help of using department officials of Sirsi, Yellapur and Siddapur taluks.

Technology: Hemavati paddy variety for submerged condition

Impact:

Horizontal Spread: Produced 74 quintals of Hemavati during 2015-16. Technology was spread to an area of 296 acres during 2016-17. Produced 84 quintals of Hemavati during 2016-17 and made income of Rs 243000. Variety was spread to an area of 336 acres during 2017-18.

Produced 54.25 quintals of Hemavati during 2018-19. Total area spread is 676 acre under Hemavati variety

Economic gains: There was additional profit of Rs 45000/ ha by growing Hamavati variety

Employment Generation: Nil

10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year

A) Conducting OFT and FLD programs in NGO and FPOs fields

Conducted an OFT on Assessment of sesamum and mustard crop in paddy residual moisture during summer in the field of SCODWES NGO. This created awareness among the members, farmers groups and women self-help groups formed by NGO.

Conducted five FLDs on ICM in paddy in a fields of members and field of DodnalliShambilingeshwar Farmers producers Company Limited. Paddy was purchased from FPO and linked industry for parboiling.

B) Conducting Training to FPO directors and members

Farmer Producer Organization is emerging farmers company having share holders of nearly 1000 farmers. Training these people will definitely helps the farmers to advanced adopt technologies. Conducted trainings to Madhukeshwara Farmers producers Organization of Scodves NGO Santholli , Pragati Mitra of Manuvikas NGO, Paddy FPO of Dhan Foundation, Banavasi.

10.E. Give details of Indigenous Technical Knowledge 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	Scientific Rationale
1.	Paddy	Passing thorny branches over the crop	To manage leaf folder and case worm	Dislodges the larvae of case worm and leaf folder. Further insecticide spray becomes effective
2.	Paddy	Errection of <i>Caryota urens</i> twigs in paddy fields in coastal area	To manage leaf folder and case worm	Whenever farmer visits fields and passes <i>Caryota</i> twig over the crop, larvae dislodges into water
3	Paddy	Passing dried bamboo or wooden pole on paddy plants at 30-40 days old plants	To Increase yield	I increases the number of tillers per hill and hence yield increased.



ITK followed in Uttara Kannada, use of *Caryota urens* twigs against Case worm and Leaf roller in Paddy

Passing thorny branch over the crop to dislodge the larvae

10 F. Technology Week celebration during 2020:

Period of observing Technology Week: From _____ to _____
 Total number of farmers visited _____ :
 Total number of agencies involved _____ :
 Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week			

10 G. Recognition and Awards: Please give details about National and State level recognition and awards

Sl.No	Award/Recognition	Scientist Name & Designation	Event	Organized by
1	Incentive award for getting externally funded project	Dr. Roopa S. Patil Scientist (Agril. Entomology) ICAR- KVK UK Sirsi	Foundation Day, November 2020	UAS Dharwad
2	KVK Scientist Award	Dr. Shivashenkaramurthy M Scientist (Agronomy)	National Webinar on Farm, Food and Farmer September 24-25 th 2020	Samagra Vikas Welfare Society

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab :

1. Year of establishment : 2005
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	pH meter	1	19250	Working
2	EC meter	1	20,570	Working
3	Microjeldahl N distillation Unit	2	2,88,550	Working
4	Plant Sample digestion Unit (Kjeldahl)	1	137350	Working
5a	Distillation Unit (Glass double)-5 l/ hr	1	43050	Working
5b	Distillation Unit (Glass double)-1 l/hr	2	43050	Working
6	Spectrophotometer	1	40050	Working
7	Flame photometer	2	1,22,040	Working
8	Hot Air Oven	1	17228	Working
9	Willey mill (Plant sample Grinder)	1	15,435	Working
10	Hot plate	1	3046	Working
11	Horizontal Shaker	2	96905	Working
12	Weighing Balance (Cap 500 g, Acc 0.1 g)	1	10890	Working
13	Weighing Balance (Cap 100 g, Acc 0.001 g)	2	138479	Working
14	Whirlpool Refrigerator	1	22850	Working
15	Atomic absorption spectro photometer	1	14,49,352	under repair
Total		21	24,68,095.00	

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	15211	14905	9911	2092736
Water Samples	9757	9668	7360	724550
Plant samples				
Manure samples				
Others (specify)				
Total	24968	24573	17271	2817286

C. Details of samples analyzed during the 2019:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	1286	1084	705
Water Samples	884	878	518
Plant samples			
Manure samples			
Others (specify)			
Total	2170	1962	1040

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.	25.03.2017	Not working
2.	31.03.2017	Not working

B. Details of soil samples analyzed during 2019 and since establishment with Mobile Soil Testing Kit:

	During 2019	During 2020	Cumulative progress (Total)
Samples analyzed (No.)	0	0	421
Farmers benefited (No.)	0	0	329
Villages covered (No.)	0	0	289

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit during 2019:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL		705	1084	1286	1286
Mobile Soil Testing Kit		0	0	0	0

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/Minister/MLA attended (No.))	Other Public Representatives participated	Officials participated (No.)	Media coverage (No.)
1	44	0	-	-	03	02

PART XII. IMPACT**12.A. Impact of KVK activities (Not restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs):**Introduction of High Yielding Black gram variety DU- 1 for paddy residual moisture:**

Introduction : In Uttara Kannada district during kharif season Paddy is the main crop. After paddy, majority of the farmers were leaving land fallow. There is lot of scope for growing pulses like black gram crop in in paddy fallow using residual moisture especially low land areas and coastal areas. Area affected is 8000 ha with 40 % yield loss.

KVK intervention : FLDS on ICM in Black gram, Trainings, Field visits, workshops, seminar, farmers scientist interactions, Filed days, Press coverage and training for extension personnels.

Technologies demonstrated:

- DU-1 variety
- Seed treatment with Biofertilizers
- Sucking pest management
- Powdery mildew management

KVK popularized the cultivation of blackgram with introduction of HYV DU-1 in Coastal and low land areas of Uttara Kannada district through FLDs and CFLDs. As a result, there is spread of area under blackgram is 550 ha with additional production of 985 q with 59 lakhs additional economic benefit in the district.



Scientist visit to demo fields

Field day celebration

B. Title : Mechanized paddy transplanter to combat labour problem

Source : UAS Dharwad

Problem : Labour Scarcity and Untimely transplanting

KVK Intervention : FLD on Mechanised paddy transplanter and Trainings, Workshops and Exhibitions

Activities for spread of technology :

Sl. No.	Technological Intervention	Nos.
01	Trainings	35
02	Group discussion	5
03	Tours	2
04	FLD's (50 nos)	4 Years
05	Method demonstrations	40
06	Field Visits	65
07	Radio talk	3
08	Field days	4
09	Exhibitions	6
10	Mass Media Coverage	1 Nos
11	Social Media	

Out come : 13 % increase in the yield 87 % labour save Save Rs 5300/- per acre Scope for Cone weeder

IMPACT:

1. farm youths and 2 farm youth SHG have purchased the transplanter and are taking up IGA
2. Naanikatta society purchased transplanter
3. Individual from Haladapur village purchased machine
4. 2500 ha area spread in the district

12.C. Details of impact analysis of KVK activities carried out during the reporting period:

- **Coconut climbing Through Machines:**

Coconut is one of the major plantation crops in Uttara Kannada district, cultivated in coastal as well as upghat regions of the district. The coconut planters facing lot of problems for coconut harvest and crown cleaning due to lack of skilled climbers. ICAR-Krishi Vigyan Kendra, Uttara Kannada, Sirsi conducted 10 (6 days each) trainings on ‘Friends of Coconut Tree (FOCT)’ and scientific cultivation of coconut in Uttara Kannada District. Trainings are organized in traditional coconut growing areas of Kumta, Sirsi, Yellapur and Mundagod region. Trainings were mainly conducted for unemployed rural youths aged between 18-35 years. Totally 298 rural unemployed youth were trained in the last 5 years. Basically these trainings were sponsored by Coconut Development Board, Bengaluru and Zilla Panchayath, Uttara Kannada. The distinctive feature of the trainings was learning of Coconut Climbing using machine, Plant Protection measures, integrated nutrient management etc.

Out of 298 trained youths , 195 youths adopted as regular occupation for the family livelihood. Average earnings of the youth revealed that there has been more than 3 times increase in per day earnings from Rs. 500/- to Rs. 1500/- per day.



- **Arecanut Climbing with Safety Device:**

Situation Analysis: Arecanut occupies an area of 31124 ha with productivity of 25 q/h. Arecanut harvesting has becoming a major constraint for the planters due to non availability of skilled climbers (Kone Gowdas). However, farmers have tried many methods like using machine and using telescopic harvester for the purpose, but were not successful, as arecanut palms are used as livestand for the black pepper. Hence, Skilled climbers are the ultimate requirement for harvesting. The KVK has taken up initiation to motivate the youth groups to takeup areca palm climbing as an enterprise.

Technology, Implementation and Support:

ICAR-KVK UK along with Co-operative societies have conducted training on arecanut climbing with safety device, 42 rural youths were trained for 6 days in KVK arecanut plantation. The major theme of the training programme was safety harvesting of arecanut and scientific cultivation of arecanut.

Outcome and Impact:

Among 42 trainees 38 have adopted climbing for arecanut harvesting as well as spraying in the plantation. On an average income per day increase from Rs. 500/- to Rs. 1500/-.

Along with FPO Pragatimitra and marketing organic this group registered as Climbers and has developed whatsapp groups for effective work management.



Arecanut palm climbing team with Hon'ble MLA Shri. Vishweshwar Hegde Kageri

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
UAS, Dharwad	Technical support and inputs supply, purchase of materials
UHS Bagalkot	Technical support and supply of technological inputs Exhibition material
UAHS Shivamogga	Trainings, Technical support and supply of technological inputs
UAS, Bangalore	Technical support and supply of technological inputs
KVAFSU, Bidar	Technical support
Kerala Agricultural University, Trissure	Technical support
Karnataka State Department of Agriculture	Training programmes, Awareness programs Krishi Abhiyana, Extension activities
ATMA, Karwar	Short term research projects, Training programmes, Extension activities
Department of Horticulture	Extension activities
Department of Animal Husbandry and Veterinary Science	Animal Health Camp, Januvaru Mela and trainings.
Karnataka Forest Department	Research project Resource persons Diagnostic Visits
Dept. of Fisheries	Trainings
ICAR-Indian Institute of Horticulture Research, Bengaluru	Technical support

CIAE, Bhopal	Technical support
Central Plantation Crops Research Institute, Kasaragod	Technical support
PPV & FRA, New Delhi	Trainings and awareness program
ASCI, New Delhi	Trainings
Directorate of Cocoa and Cashew Development, Cochi	Technical support
IINRG, Ranchi	Technical support and funding for research activities on Lac
NIANP Bangalore	Trainings
Co-operative Societies like Kadamba Marketing Souhardha Sahakari, Sirsi, TSS Sirsi, TMS Sirsi, Kadamba foundation Sirsi	Training, Awareness program, Market linkage, procurement of inputs Teff procurement
Coconut Development Board	
Spice Board	Trainings
Karnataka State Seeds Corporation	Certification of seeds plots
NABARD	Trainings and funding for research activities , Sheep and goat farming subsidies
Lead bank - Canara Bank	Advisories, Term loan for starting up backyard poultry farming
MNREG	Sheep, Goat shed, and Poultry work shed
NRLM	Goat farming
PRIMCOS, BANDALA	Backyard poultry farming
Rural Self Employment Training Institute (RSETI), Haliyal	Trainings
Manuviaks NGO	Trainings and extension activities
Dhan Foundation NGO	Trainings and extension activities
Scodwes NGO	Trainings and extension activities
Pragati Mitra Farmers Producer Company, Sirsi	Trainings
Banavasi Raitamitra Jeevidam Producers Company Limited ,Banavasi, Sirsi Tq.	Trainings
Madhukeshwar Totagarike Raita Utpadakar Company Ltd. Andagi, Tq: Sirsi	Trainings
News papers, farm magazines, journals and information brochures for spread of agricultural technologies.	News coverage of new emerging issues, demonstrated technologies and new technologies/ varieties, KVK activities.
AIR, Karwar	Radio talks on advanced technologies on agriculture allied sector
DD Chandana and Local TV Channels	News coverage of new emerging issues, demonstrated technologies.

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

13B. List of special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Testing chemical project on Bioefficacy and Phytotoxicity of Flubendiamide 39.35 % SC on paddy	June , 2020	Willowood chemicals Pvt. Ltd., Gujarat	1,70,000.00
Testing chemical project on Evaluation of Chlorantriliprole 18.5 % SC Yellow stem borer and leaf folder in Rice	June , 2020	Tagros Chemicals India Pvt. Ltd. Chennai, T.N	2,00,000.00
Network project on Conservation of Lac insect genetic resources : KVK Sirsi as Voluntary Centre	2018-2021	ICAR-IINRG Ranchi	10,85,000.00
Studies on wilting of Mangroove plantations of Honnavar forest division	2018-2021	Karnataka Forest Department, Honnavar	2,50,000.00

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	Review meeting of ATMA	03	-	Discussed on suitable demonstrations to be conducted in different tq.s. and also guided the staff for exposure visits of farmers
02	Research projects	Analysis and standardization of therapeutic protocols for reproductive failures due to repeat breeding and anestrus in dairy animals		2 infertility camps organized during 2020	
03	Training programmes	FFS	6		
		Guest Lecture (offline as well as online)	32		
		Awareness programme	1		
04	Demonstrations			4 FLDs	Organised FLD on watermelon, maize, Cotton and Cashew involving ATMA BTM and ATM's
05	Extension Programmes				
	Kisan Mela				

	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps		7		
	Animal Health Campaigns	Infertility camps	0	2	Funded by ATMA Karwar
	Others (Pl. specify)	Field inspection for awards	49	-	District and Taluk level awards under ATMA
		Joint field visit	24	-	-
		Diagnostic field visit	13	-	Diagnostic of field problems
06	Publications				
	Video Films	-			
	Books	-			
	Extension Literature	Management of FAW in maize			Low cost publications under ATMA
	Pamphlets				
	Others (Pl. specify)	-			
07	Other Activities (Pl. specify)	Farmer Scientist interaction	1	1	-
	Watershed approach	-			
	Integrated Farm Development	-			
	Agri-preneurs development	-			

13D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
01	MIDH	Institutional	160000	74700	--

13E. Nature of linkage with National Fisheries Development Board : NIL

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

13F. Details of linkage with RKVY : NIL

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

13G. Kisan Mobile Advisory Services

Watermelon	5.01.2020	14.04.2020	0.4			510kg	2200	6120	
Vegetables									
Others (specify)									
Sugarcane	3.03.2020	4.4.2020	0.6	Konnanakate Co86032 Snk365	Liquid jaggery	1656kg	7000	107640	

14C. 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	
01	IBA	2.00 kg	896.00	2333.00	

14D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Cattle	Cross Breed	milk	6518.7 litres	101140	204227	
2	poultry	Srinidhi Gramapriya	Egg cockerel	655 34.3	(including both egg and Cockerel) 5400	6550 5145	

14E. Utilization of hostel facilities

Accommodation available (No. of beds) : 25

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January	0	0	
February	0	0	
March	0	0	
April	0	0	
May	0	0	
June	0	0	
July	0	0	
August	0	0	
September	0	0	
October	0	0	
November	24	10	
December	20	120	

14F. Database management : (Excel Database)

S.No	Database target	Database created
01	Trainings	Trainings
02	FLD Details	FLD Details
03	OFT Details	OFT Details
04	Field Visits	Field Visits
05	Method Demonstrations	Method Demonstrations
06	Farmer Visits to KVK	Farmer Visits to KVK
07	Phone Calls	Phone Calls

08	Seminars/Workshops Organized	Seminars/Workshops Organized
09	Seminars/Trainings/Workshops attended	Seminars/Trainings/Workshops attended
10	Special Programmes	Special Programmes
11	KMAS	KMAS
12	Guest Lectures	Guest Lectures
13	Field Days	Field Days
14	Electronic Media	Electronic Media
15	Publications	Publications

14G. Details on Rain Water Harvesting Structure and micro-irrigation system: NIL

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XV –SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY) :

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. I. P	Aval. K	O C %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	Narebail	289.2	10.3	126.8	1.23	1.Jeevamruta unit.	Teff	Brown type	1.Seeds of Sunhemp and Dhaincha	6.05	35560	153200
2	Achnalli	283.0	10.1	125.7	1.12	2.Panchagavya unit			2.Biofertilizers like Azopserillum and PSB.	5.51	35560	136352
3	Haraganalli	280.2	9.5	115.2	0.85	3.Compost making unit 4.Green manure crops Sunhemp and Dhiancha			3.Compost culture 4.Trchoderma and Psuedomonas 5.VAM Neem Cake	5.63	35560	143378

15.2 District Agriculture Meteorological Unit (DAMU): NA

Sl No.	Agro advisories			Farmers awareness programmes	
	No of Agro advisories generated	No of farmers registered for agro advisories	No of farmers benefitted	No of programmes	No of farmers benefitted
1					

2					
---	--	--	--	--	--

15.3 Fertilizer awareness programme 2020 : NIL

State	Name of KVK	Details of Activities/programmeOrganised	Number of Chief Guests	No. of Farmers attended programme	Total participants

15.4 Seed Hub:NA

Crops	Variety	Year of release	Production				Remarks
			Target (q)	Area (ha.)	Actual Production (q)	Category (FS/CS)	

15.5 CFLD on Oilseeds:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1.	Groundnut	G2-52	10	25	10	25
	Total		10	25	10	25

15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1.	Blackgram	DU-1	20	50	20	66
2.	Grrengam	DGGV-2	20	50	20	66
	Total		40	100	40	132

15.7 Krishi Kalyan Abhiyan:NA

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.8 Micro-Irrigation : NA

Type of Activity	Date(s) conducted	No. of farmers (General)	No. of farmers SC / ST	No. of extension personnel

15.14 DFI

Sl	District	Taluks	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)

PART XVI - FINANCIAL PERFORMANCE**16A. Details of KVK Bank accounts**

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute							
With KVK	State Bank of India	SIRSI	917	SB A/c	30157809532	SBI002401	SBIN0000917
	State Bank of India	SIRSI	917	SB A/c	10816617558	SBI002401	SBIN0000917
	State Bank of India	SIRSI	917	SB A/c	10816629030	SBI002401	SBIN0000917
	State Bank of India	SIRSI	917	SB A/c	10816617296	SBI002401	SBIN0000917
	State Bank of India	SIRSI	917	CR A/c	36527784252	SBI002401	SBIN0000917

16B. Utilization of KVK funds during the year 2019-20 (Rs. in lakh) [Upto December 2020]

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	130.65	130.65	95.84
2	Traveling allowances	1.5	1.5	1.42
3	Contingencies			
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.75	2.75	1.97
<i>B</i>	POL, repair of vehicles, tractor and equipments	2.50	2.50	2.00
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00	1.00	0.83
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.50	0.50	0.45
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.55	3.55	3.06
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.99	0.99	0.78
<i>G</i>	Training of extension functionaries	0.25	0.25	0.20
<i>H</i>	Maintenance of buildings	0.50	0.50	0.00
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	0.25	0.25	0.07
<i>J</i>	Library	0.10	0.10	0.03
<i>K</i>	Extension Activities	0.25	0.25	0.06
<i>L</i>	EDP/Innovative activities	0.08	0.08	0.07
<i>M</i>	Nutrigarden-50 demonstrations	0.25	0.25	0.16

TOTAL (A)		145.12	145.12	106.94
B. Non-Recurring Contingencies				
1	Works	00	00	00
2	Equipment including SWTL & Furniture	00	00	00
3	Vehicle (Four wheeler/Two wheeler, please specify)	00	00	00
4	Library (Purchase of assets like books & journals)	00	00	00
TOTAL (B)		--	--	--
C. REVOLVING FUND		--	--	--
GRAND TOTAL (A+B+C)		145.12	145.12	106.94

16C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1 st January	Income during the year	Expenditure during the year	Net balance in hand as on 31 st December of each year
January to December 2018	1074547.02	1380867.50	757889.50	1697525.02
January to December 2019	1697525.02	1317776.00	1008594.50	2006706.52
January to December 2020	2006706.52	1384478.00	1348580.00	2042604.52

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Roopa S. Patil	Scientist (Plant Protection)	Ag MOOCs Course on "Conservation Agriculture-based Sustainable Intensification"	Ag MOOCs, Centre for Development of Technical Education, IIT Kanpur	31.03.2020 (6 weeks) Online
		Ag MOOCs Course on "Diagnosis of Crop and Stored Grain Pests and their Management"	Ag MOOCs, Centre for Development of Technical Education, IIT Kanpur	31.03.2020 (6 weeks) Online
		International Conference on frontier Research in Applied Zoology and Insect Pest Management Strategies : A way forward for food and nutritional security	UAS Raichur, AZRA and ESI	12.2.2020 to 14.2.2020
		Webinar on Best practices for production, Processing and marketing of tribal commodities during Covid-19	Ch. Charan Singh National Institute of Agri marketing and ICAR-IINRG, Ranchi	03.05.2020 Online
		Webinar on Desert Locust Management : Current status and future strategies	NAHEP-CAAST, IARI, New Delhi	30.05.2020 Online
		Webinar on Artificial Intelligence Tools : Butterfly Experience	NAHEP, UAS Dharwad	19.9.2020 Online

		Fruit fly Surveillance and Management	NIPHM, Hyderabad	7.12.2020 to 11.12.2020 Online
		India International Science Festival	Ministry of Science and Technology and VIBHA	22.12.2020 to 25.12.2020 Online
		National level training on Recent advances in Entomology – New dimensions to invigorate insect pest management	COH, Bidar	7.12.2020 to 16.12.2020 Online
Dr. Shivashenkaramurthy	Scientist (Agronomy)	National Webinar on Farm, Food and Farmer	Samagra Vikas Welfare Society	24.09.2020 to 25.09.2020
Venkatesh, L.	Scientist (Agroforestry)	My life – My yoga	UAS, Dharwad	21.06.2020
		National webinar on workplace wellness and its impact on lifestyle	UAS, Dharwad	05.08.2020
		Wildlife diversity state and India	Karnataka State Forest Dept.	19.08.2020
		Training on Sandalwood cultivation	IWST, Bangalore	21.08.2020
		Food, Health and Wellness	Kanha Shanti Vanam, Hyderabad	23.08.2020
		Diet and nutrition for life style disease management during COVID-19	UAS,GKVK, Bangalore	25.08.2020 To 26.08.2020
		Webinar on new perspective on tree based Entrepreneurial development in Forestry	College of Forestry, Sirsi (UAS, Dharwad)	29.08.2020
		PM live telecast inaugural programme of Rani Lakshmibai central University, Jhansi	Rani Lakshmibai central University, Jhansi	29.08.2020
		Nutri-garden : Bridge between Agriculture and Nutrition	CFNS,CTARA,IIT Bombay	05.09.2020
		Master trainers training on PR App usage in crop Survey	Dept. of Agriculture KSWAN centre, Sirsi	9.9.2020
		Unfolding the potential of Agro biodiversity to achieve twin goals of zero hunger and carbon neutral development	BAIF Development Research Foundation, Pune	12.09.2020
		Bamboo : the amazing grass- cultivation to commercialization	JNKVV, Jabalpur (M.P)	18.09. 2020 to 20.09.2020
		Artificial intelligence tools : Butterfly experience	College of Forestry, Sirsi UAS,Dharwad	19.09.2020

	Sandalwood cultivation training in Kannada language	IWST, Bangalore	22.09.2020
	Entrepreneurship Development : SAR & LiDAR	College of Forestry, Sirsi (UAS, Dharwad)	28.09.2020
	DBT Webinar : Showcasing Demonstrated waste – to value technologies	Ministry of Science and Technology, New Delhi	2.10.2020
	Farm bill 2020 – Sustainable, Profitable future for Farming community	ICAR-BIRDS KVK,Belagavi 1	03.10.2020
	Interaction with KVKs by Hon'ble Agricultural ministry 2.30 pm	Ministry of Agriculture & Farmer welfare, New Delhi	03.10.2020
	Where are the trees growing? Advances in monitoring restoration starts in I hour	World Resource institute, Canada	6.10.2020
	Popularization of FARMS Mobile App through KVKs	DARE/ICAR, New Delhi	7.10.2020
	Response of the DBTs Autonomous instate to COVID-19	Department of biotechnology New Delhi	15.10.2020
	PM live programme on World food day celebration	Ministry of Agriculture & Farmer welfare, New Delhi	16.10.2020
	Agri business incubator : models and prospects under national agricultural research system (NARS)	ICAR NIVEDI bengaluru	21.10.2020
	Certification of NTFPs in India	Centre for advanced agricultural science and technology(CAAST)NAU Gujarat.	27.10.2020
	Webinar on communication skills for networking and negotiation.	ICAR NAHEP IDP UAS. Dharwad	17.11.2020
	International webinar on advances in stored grain pest management	National institute of plant health management department of agriculture, and formers well fare government of India Hyderabad.	25.11.2020

		International webinar on "recent trends in insecurity": International and national perspectives..04.12.2020	National institute of plant health management department of agriculture, and farmers well fare government of India Hyderabad.	04.12.2020
		Cultivation and importance of dragon fruit in Karnataka	department of agriculture and ICAR kvk kalaburgi.	04.12.2020
		“Fish for people :future I see. in view of world fisheries day	ICAR-CIFA Orissa	07.12.2020
Dr. Ranganath, G. J	Scientist- Animal Science	Recent developments in pathobiology and diagnosis of animal and poultry diseases- A new prospective approach	Veterinary College and Research Institute, Tirunelveli (Online)	15.10.2020 to 16.10.2020
		Skill and knowledge of Veterinarians for better livestock health and production	UAS, Dharwad	12.03.2020-14.03.2020
		Technology interventions towards transformation of Agriculture, Sericulture, Animal husbandry and allied sectors in to sustainable enterprises for Atmanirbhar Bharat	AEDS, CSRTI, Pandichery institute of Agricultural Sciences, Puducherry	11.10.2020 to 31.10.2020
Annapurna Neeralgi	Technical Officer(Computer)	Big Data Analytics	ICAR NAARM Hyderabad	10.12.2020 to 11.10.2020 (Online)
		Full Stack Web Development	E&ICT Academy IIT Roorkee	01.10.2020 to 14.10.2020 (15 days - online course)

18. Please include any other important and relevant information which has not been reflected above (write in detail). Like details regarding FPO formation, Achievements during COVID-19 lockdown period.