KRISHI VIGYAN KENDRA <u>UTTARA KANNADA</u>

ANNUAL REPORT- 2018-19

(FOR THE PERIOD FROM 01 APRIL 2018 TO 31 MARCH 2019)

University of Agricultural Sciences, Dharwad ICAR-Krishi Vigyan Kendra, Uttara Kannada Banavasi Road, Sirsi-581401

PART I - GENERALINFORMATION 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

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

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

10011 turne of the 110gramme coordinator	11-1			
Name	Telephone / Contact			
	Residence	Mobile	Email	
Dr. Manju M J.	-	9448495345	manjumjm@yahoo.co.uk	

1.4. Year of sanction: 2004

1.5. Staff position as on 31 March 2019

Sl. No	Sanctioned post	Name of the incumbent	Designati on	M / F	Discipline	High est Qual ificat ion	Pay Scale	Basic pay	Date of joining KVK	Per man ent /Te mpo rary	Catego ry
1.	Senior Scientist and Head	Dr.Manju M.J.	Senior Scientist and Head	M	Plant Pathology	Ph.D.	37000- 67000	9000	23.10.17	P	SC
2.	Scientist	Dr.Roopa S.Patil	Scientist	F	Agri. Entomology	Ph.D.	15600- 39100	7000	03.12.08	P	Others
3.	Scientist	Shri.Shivashenkarmurth y M.	Scientist	M	Agronomy	M.Sc	15600- 39100	6000	28.11.11	P	SC
4.	Scientist	Shri.Venkatesh . L.	Scientist	M	Agroforestry	MSc.	15600- 39100	6000	05.05.16	P	SC
5	Scientist	Dr.Shweta Biradar	Scientist	F	Home Science	Ph.D.	15600- 39100	6000	17.02.17	P	Others
6	Scientist	Dr.Santhosha H.M.	Scientist	M	Horticulture	PhD	15600- 39100	6000	23.05.17	Р	Others

8	Scientist	Dr.Ranganath G. J.	Scientist	M	Animal Science	Ph.D.	15600- 39100	6000	18.07.18	P	Others
9	Programme Assistant (Lab)	Shri.Siddappa Kannur	Technical Officer	M	Agro forestry	M.Sc	9300- 34800	4600	02.08.013	Р	Others
10	Programme Assistant (comp)	Smt.Annapurna F. Neeralagi	Technical Officer	F	Computer Science	M.Sc	9300- 34800	4600	29.03.10	Р	SC
11	Farm Manager	Dr. Krishna K. S.	Farm Manager	M	Sericulture	Ph.D.	9300- 34800	4200	14.02.18	Р	Others
12	Assistant	Smt.Sumalatha S.P.	Assistant	F			16000- 29600	-	05.09.15	Р	SC
13	Stenograph er	Vacant	-	-	-	-	-	-	-	-	-
14	Driver 1	Shri Balappa Taragar	Driver (L.V)	M	-	-	11600- 21000	-	03.04.18	Р	Others
15	Driver 2	Vacant	-	-	-	-	-	-	-	-	
16	S. staff	Shri. Hajarath A Nadaf	Asst.cook .cum .care taker	M			10400- 16400	-	-	Р	OBC
16	S. staff 2	Vacant	-	-	-	-		-	-	-	-

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

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(Uncultivable)	0.4

1.7. Infrastructural Development:

A) Buildings

		Source			Stage			
S.		of		Complete			Incomple	te
No.	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR				19.12.2017	611	Slab Level
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	Nil		·				
	system							
7	Threshing floor	Nil						
8	Farm godawn	Nil						

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	2017-18	800000.00	36036	Good condition
Hero Honda passion	2009-10	60000.00	846	Good condition
Tractor	2016-17	400000.00	0	Under repair
Mini Tractor	2011-12	750000.00	198.8 hrs	Good condition
Power Tiller	2015-16	255700.00	49.75 hrs	Good Condition
VST Power Tiller	2010-11	121000.00	68.0 hrs	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	"
Printer (4 in one)	31.3.2009	13,950	,,
Sony DV cam – Portable camera	Jan-2010	1,84,000	,,
Computer and accessories-HP DC-7000 series (2 Nos)	April-2010	77690	,,
Lenovo s10-3s Idea pad	4.02.2011	21600	,,
Printer- HP 1007	30-03-2011	4900	,,
Oven - Bajaj	March 2011	2,800	,,
Pepper Diconing	March 2011	18,500	,,
Generator 7.5 KVA, KIRLOSKER	January 2012	81,057	,,
Power Sprayer Single Piston	March 2012	28,000	,,
Digital Cameras Canon A 810	September 2012	5,995	"
Canon SX 150	September 2012	9,995	
Digital Cameras Canon A 810	December 2012	4,900	,,
Canon SX 150	January 2013	4,900	,,
UPS V-Guard	January 2013	6,540	,,
Grinder	January 2013	4,500	,,
Coco Butter Extractor	January 2013	44,885	,,
Ground nut Stripper (3)	January 2013	3,350	,,
Hand Refractometer	January 2013	3,807	,,
Banjo- Power operated groundnut stripper	March 2013	19474	"
HP Laptop	Jan-2014	52000	"
Sugarcane eye bud chipper	March 2014	4000	"
Power Safe UPS	March-2014	2250	"
Printer Printer	July-2014	18500	"
Projector	July-2014	45000	"
Digital copier	July-2014	162518	ıı

UPS 650 VA	UPS 650 VA	St12014	1,000	"
JPS 1.5 KV				
Portable bag sticher				"
Biometric		Ş		"
Laser Printer	<u> </u>			"
Assert Printer		3		"
UPS 650 VA				
EVA Stabilizer				"
Good condition Good condition Good condition Sukum 2kva 24v UPS 2016 15,000 Good condition Sukum 2kva 24v UPS 2016 15,000 Good condition Good Presenter 2016 4400 Good condition Good condition Good Presenter 2016 4400 Good condition Good condition Good Presenter 2017 500 Good condition Good Condition Good Presenter 2017 42937 Good condition Good condition Good Presenter 2017 42937 Good condition Good Conditi				
Valuar Stabilizer 2016 2000 Good condition				
Sukum 2kva 2kv UPS				
SOAH Hi-Power tabular battery				
Logiteck R400 Presenter				
GOB H.P. Pen drive 2017 500 Good condition	ž			
Pocket projector 2017 42937 Good condition SMPS Unit 2017 11450 Good condition SMPS Unit 2017 11450 Good condition G				
SMPS Unit				
1.0 T.B. Seagate Hard disc				
HP LaserIet 128FN Printer 2017 17650 Good condition				
Canon lide 120 scanner				
Double Stevenson screen box				
Exide MRed 700 L 2017 5900 Good condition Acer Veriton Computer 2017 1,19,100 Good condition Good condition 2017 1,19,100 Good condition 2017 49,820 Good condition 2017 49,820 Good condition 2017 5,900 Good condition 2017 5,900 Good condition 2017 5,900 Good condition 2017 2,500 Good condition 2017 2,500 Good condition 2017 2,500 Good condition 2017 2,500 Good condition 2018 2,500 Good condition 2018 2,500 Good condition 2018 2,500 Good condition 2018 2,500 Good condition 2,500 Good co				
Acer Veriton Computer 2017				
Shedder				
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				
SLE 2WD 7 SEATER AC & PS BS45K 12.05.2017 6,61,543 Good condition		2017	5,900	Good condition
External DVD writer 30.06.2017 2,500 Good condition 1		12.05.2017	6,61,543	Good condition
Ball Multimedia Speaker 30.06.2017 2,500 Good condition				
1000 GB Seagate External Hard disk		30.06.2017	2,500	Good condition
HP Laptop i 7		30.06.2017	4 900	Good condition
HP Laptop i 7				
HP Laptop i 7				
HP Laptop i 7 17.01.2018 74,180 Good condition 32 GB pen drive 31.01.2018 950 Good condition HP Laserjet Printer 05.02.2018 25,390 Good condition HP Laserjet Printer 05.02.2018 3,898 Good condition HP All in one Laserjet Printer 27.02.2018 15,500 Good condition HP All in one Laserjet Printer 05.03.2018 4,799 Good condition HP All in one Laserjet Printer 05.03.2018 4,799 Good condition HP All in one Laserjet Printer 05.03.2018 4,799 Good condition HP Laterjet Printer 19.03.2018 1,08,500 Good condition HP Laterjet Printer 19.03.2018 1,8,500 Good condition HP Laserjet Printer 19.03.2018 1,88,550 Good condition GKMS Good condition HP Laserjet Printer 27.03.2018 4,22,440 Good condition HP Laserjet Printer 27.03.2018 24,800 Good condition HP Laserjet Printer 27.03.2018 24,800 Good condition HP Laserjet Printer 27.03.2018 49,880 Good condition 40,000 4				
32 GB pen drive 31.01.2018 950 Good condition				
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OS.02.2018 25,390 Good condition				
HP Laserjet Printer		05.02.2018	25,390	Good condition
1 TB Seagat External Hand disk 16.02.2018 3,898 Good condition	HP Laseriet Printer			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 18.03.2018 1,08,500 Good condition Band: Tulin equipments) 19.03.2018 11,600 Good condition (GKMS) EDSON 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 Shakar (HSN # 85143090) (sl. No-L1-17-221) 27.03.2018 49,880 Good condition (GKMS) HP BR 106 TX Laptop 28.03.2018 58,528 Good condition (GKMS)		05.02.2018	25,390	Good condition
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Mechanical Shakar (HSN # 85143090) (sl. No-LI-17-221) 27.03.2018 49,880 Good condition	HP LaserJet Printer	27.02.2019	24 800	Good condition
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HP BR 106 1X Laptop 28.03.2018 58,528 (GKMS)		47.03.2018	49,880	
(UNIVIS) Good condition	HP BR 106 TV Lanton	28 03 2018	58 528	
HP Laptop 28.03.2018 77,526 Good condition	THE DICTOUTA Laptop	20.03.2010	30,320	
	HP Lanton	28 03 2018	77 526	Good condition
		20.03.2010	11,520	

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 Chair	15.03.2019	35000	Good condition
Wall Fan	16.03.2019	1850	Good condition

1.8. Details of SAC meeting conducted during 2018-19

Date	Number of	Salient Recommendations	Action taken	Remarks,
				if any
18.06.2018	Number of Participants 28	Each scientist should publish at least one agriculture related publication every month for the benefit of farming community Technical backstopping should be provided to the FPOs in the district	Details of publications during the year: Popular Articles: 14 Review Papers: 06 Folders: 10 Technical back stopping to the FPOs: 1. Madhukeshwar Horticulture Producers Company, Andagi, Banavasi: • FLDs on ICM in ginger, pineapple and banana were taken up in 1 ha each under CHMID Scheme of Dept. of Horticulture • Interstate Tour for 50 FPO members was organized to Tamilnadu and Mysore. • Trainings and demonstrations were organized. 2. Dhan Foundations Sirsi: • FLD on ICM in paddy • Diagnostic visits • Collaborative extension activities 3.Madhukeshwar Bhatta Utpadakar Company: • Diagnostic visits • Collaborative extension activities 4. Pragatimitra • Diagnostic visits • Collaborative extension activities Request submitted to DE, UASD	Remarks, if any
		conducted by KVK is to be carried out, if necessary PG students may be involved to take up the study.		

Organize more training programmes on grafting techniques and document them KVK should form Paddy	Training programme on Grafting techniques in plantation crops was organized on 25.08.2018, 30 farmers/farm women participated. Submitted proposal for budget	
Green Force in the same line with KVK Mallappuram Kerala. If necessary KVK Team may visit the Mallapuram KVK		
Success story on impact of KMP-105 introduction in the district should be documented and upload it to the KVK Portal and KVK Website	The information on success of KMP-105 is uploaded to the KVK Portal.	
Quality breed of livestock should be included in the dairy unit and make the dairy unit a model for the farmers.	Two cows of HF Cross breed are added to the dairy unit.	
Send the SAC agenda items to the SAC members through email.	Action will be taken during forth coming SAC 19-20.	
Activity calendar of the KVK should be sent to line departments and other farmer groups.	Activity calendar for Kharif activites are sent to line departments.	
To address the labour problem in arecanut harvesting formulate an OFT.	Training cum demonstration on mechanized harvesting of arecanut is conducted at Puttanamane on 31.01.2019 . 20 participants were present.	
Provide the information on banned chemicals and pesticides to the farming community with the help of KSDA	The information on banned chemicals and pesticides are provided to pesticide and fertilizer dealers, Dept. of Agriculture and Horticulture.	
Organize programmes on value addition of cashew apple and management of	Value addition of cashew apply will be taken up in coming days.	
fruit fly in mango.	Diagnostic field Visits were conducted to the mango fruit fly affected plots in Joida and Haliyal talukas along with officials of Horticulture Dept. Knowledge on management of fruitfly imparted to the farmers.	
Most of the KVK activities are concentrated around Sirsi, Siddapur, Yellapur and Mundagod talukas. It is suggested to extended the activities to other talukas of the district and invite the farmers of coastal talukas to	KVK has organized many extension activities in Bhatkal(FLD, Seminar, DV, FV), Haliyal (Krishi Abhiyan, DV, FV, Guest Lectures), Yellapur(FLD, FV, DV, Guest Lecture), Ankola(FLD, CFLD, DV, FV, Krishi Abhiyan, Guest lectures) and Kumta(FLD, CFLD, DV, FV, Krishi Abhiyan, Guest lectures), Joida talukas	
SAC meeting.	also along with Sirsi, Siddapur, Yellapur	

	and Mundagod talukas.
0 : 1	
Organize the programmes	6 guest lectures, 02 training programmes
on management of foot and	were organized and information on Foot
mouth disease in	and Mouth disease management.
collaboration with Dept of	KVK co-organized Cattle Exhibition on
AHVS	10.12.2018 at Dasanakoppa village in
	collaboration with AHVS, Sirsi.
Organize programmes in	Farmers are encouraged to utilize the
collaboration with Fisheries	farm ponds for fish culture
department.	
Organize SAC before the	-
Action Plan meeting and	
before onset of monsoon.	
Organize programmes on	Programmes will be planned in 2019-20
value addition of bamboo.	
Organize training	2 programmes for Extension personnel is
programmes to extension	organized.
personnel, interaction with	
scientists are to be	
organized. The pretest and	
post test evaluation are to be	
taken up.	
There is ample opportunity	Organized ASCI Sponsored skill
for apiculture in the district.	Development Training programme on
KVK should develop	Bee Keeper for 25 days (11.2.2019 to
apiculture demonstration	7.3.2019) for 20 farmers/farm women.
unit and organize trainings.	Two bee boxes with colonies are
unit and organize trainings.	established in the KVK premises.
	established in the KVK prelifises.

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 area: 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	Non Timber Forest Produce, Fisheries and Dairy

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					
		Rainfall: 2500 mm					
		Soils: sandy loam, laterite, clay loam & medium					
		black					
		Major crops: Paddy, Maize & pulses cotton, areca					
		nut based mixed crops of spices.					
2	Zone – 10	Coastal Zone					
		Rainfall: 3500 mm.					
		Soils : Sandy soils, laterite, costal alluvial, sandy					
		loam.					
		Major crops :					
		paddy, groundnut, pulses and arecanut based					
		cropping system.					

S. No	Agro ecological situation	Characteristics			
1	Coastal ecosystem	High to very high rainfall more than 3500 mm, hot			
		and humidity climate with highly leached sandy soils			
		with low & 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.	Soil type	Characteristics	Area in ha
No			
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	Coastal laterite soil	Deep, well drained to excessively drained, dark brown to yellowish red and dark reddish brown, sandy clay loam to clay loam surface soils and sandy clay to clay subsurface soils, moderately to severely eroded with surface crusting.	
3	Coastal alluvial soils	Deep, well drained and poorly drained, pale brown to dark yellowish brown, sand, sandy loam to loam surface soils and sand to loam subsurface soils.	
4	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
5	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
6	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
7	Medium black soils	Shallow, well drained grey to dark grey and brown clay loam and silty clay loam.	

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

S. No	Crop	Area (ha)	Production	Productivity (kg
	Стор	Arca (na)	(tons)	/ha)
1	Paddy	66147	188895	3006
2	Maize	4576	24692	5680
3	Blackgram	3844	204	555
4	Greengram	451	106	244
5	Groundnut	1950	3065	1655
6	Cotton (Bales)	960	1652	308
7	Sugarcane	6519	693621	112
8	Arecanut	17912	43864.88	2450
9	Coconut (lakh nuts)	7784	1365	0.18 (lakh nuts)
10	Blackpepper	774	325	420
12	Ginger	372	9672	2600
13	Cardamom	528	132	250
14	Cashew	3380	7364	2182
15	Banana	2911	90297	31020
16	Mango	2514	46540	18510
17	Pineapple	441	32820	74420

* Source: Statistical Dept, Karwar & DoH, Sirsi

2.5. Weather data

Month	Rainfall	Temper	ature ⁰ C	Relative
	(mm)	Maximum	Minimum	Humidity (%)
January	0.4	30.9	12.8	72.7
February	0.3	32.7	13.5	67.9
March	16	34.9	16.6	131.5
April	20	34.6	20.5	133.0
May	149	32.8	21.1	146.0
June	759	28.5	21.4	161.0
July	1025	26.3	21.0	173.0
August	778	25.7	20.7	174.0
September	95	29.0	20.2	163.0
October	98	31.3	19.3	146.3
Nobember	11	31.1	18.3	139.5
December	0	30.4	15.2	143.2

Sources:

* Rainfall Data : KSDA Karwar * Temperature & RH : AAS Unit, Sirsi

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

Category	Population	Production	Productivity	
Cattle				
Crossbred	47167	59679 thousand ltrs		
Indigenous	289788			
Buffalo	87816			
Sheep	•	·		
Crossbred	234			
Indigenous	4549	2491 tonnes (Meat)		
Goats	8961			
Pigs				
Crossbred	469			
Indigenous	1022			
Rabbits	508			
Poultry	•	·		
Hens	537037	287.31 lakh eggs		
Desi				
Improved				
Ducks				
Turkey and others				
NATIO IZ 1 . C	21 2012 141 (1 1 1 1 1 1 2			

^{*}Uttara Kannada at a Glance 2013-14 by Statistical Department, Karwar

Category	Area	Production	Productivity
Fish		109818.28 Tones	
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

^{*}Uttara Kannada at a Glance 2015-16 by Statistical Department, Karwar

2.7 District profile has been **Updated** for 2018-19 : **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 operationa l area of the KVK	Major crops & enterpr ises	Major problem identified	Identified Thrust Areas
1	Sirsi	Sirsi	Badangod Kupagadde, Malangi, Andagi, Hebbatti, Kalakaradi, Bankanala,	3 1 2 8 3 2 1	Paddy, Arecan ut, Black pepper, Pineapp le,	Paddy: Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease Arecanut: Low yield,	Integrated Crop management Integrated Crop
			Ajjarani Kandaragi Kiruvatti Kayagudde	5 1 1 1	Ginger, Dairy, Agrofor estry	un scientific drainage, nutdrop and splitting, kole roga	management
			Gonnur Kannalli Honnegadde Koppa Halasinkai Gotagitota Ekkambi Mastigadde Sonda	1 1 1 3 1 1 3 1 2		Black pepper: Sucking insects, foot rot disease, berry drop, micronutrient deficiency alternate non availability of pepper standards other than arecanut	Integrated Crop management , MPTs as pepper standards
			Lingadakona Neernalli Hulemane	1 5 1		Pineapple: Heart rot disease	
			Onikeri Kanagod Ugremane Javalagundi	4 4 2 2		Ginger: Rhizome rot disease, shoot borer Dairy: Repeat	Integrated Disease Management
			Hebballi Kenchagadd e Kansor	1 5 2 4		breeding, anestrous, fodder scarcity during summer	Integrated Disease Management
			Ajjibala Horle Jaganalli Bisalakoppa Bapat Mavinakopp	2 2 3 3 3 1		Agroforestry: Under utilized bettalands, loss of bio-diversity Fodder Scarcity:	Use of advanced PG protocol and CIDR Synch technology
			a Jaddimane Sannakki Balegadde Kesinamane Sambemane	1 1 1 1 1		Poor Nutrition	Silvi Pastoral System, NTFPs and TBOs
			Kubarkuli				Enrichment of dry fodder, Introduction of COFS-31 and Stylo Hamata grasses
							Promotion of Nutri farms

2	Mundago d	Mundagod	Malagi Hanumanti Haraganalli Kalakoppa	6 2 4 4	Paddy, Maize, Blackgr am Greeng ram Sugarca ne Arecan	Paddy: Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease Maize: Rootrot, Weed, low yield, Fall army worm	ICM in Paddy ICM in maize with Special emphasis on weed
					ut Black pepper Dairy	Arecanut: Low yield, un scientific drainage, nutdrop and splitting, kole roga, weeds& soil erosion Fodder Scarcity	management Introduction of mulch crop, ICM in arecanut
							Enrichment of dry fodder, Introduction of COFS-31 and Stylo Hamata grasses
3	Yellapur	Manchiker i	Kanakodlu Heggapur Belagundli, Bidralli, Bharani	8 1 1 1 1	Arecan ut Black pepper Paddy Cotton Dairy	Arecanut: Low yield, un scientific drainage, nutdrop and splitting, kole roga, weeds& soil erosion Cotton: Sucking pests, poor yield, boll & square drop, leaf reddening, black arm	Integrated Crop Management Integrated Pest Management
						Black pepper: Sucking insects, foot rot disease, berry drop, micronutrient deficiency	Integrated Crop Management, Ecofriendly management of sucking insects
4	Kumta	Gokarna	Gokarna Saraguppa, Devanalli	2 1 1	Arecan ut, Coconu t, Cashew	Dairy: Repeat breeding, anestrous, fodder scarcity during summer	Use of advanced PG protocol and CIDR Synch technology
5	Ankola	Ankola	Tenkanakeri, Sakalabena	1 2	Cashew , Arecan ut, Coconu t,	Cashew : CSRB, TMB Coconut : RSW, nutdrop Groundnut: Insect	Integrated Pest Management Integrated Crop
6	Bhatkal	Mavalli	Mallari	1	Ground nut Jasmine	pest, tikka disease, soil acidity, low yeild Jasmine: Leaf spot, eripphyd mite, low yield	Management Integrated Crop Management

2.9 Priority thrust areas

S. No	Thrust area
1	Integrated Crop Management
2	Integrated Nutrient Management
3	Integrated Pest Management
4	Farm Mechanization
5	Integrated Disease Management
6	Integrated Weed Management
7	Soil and Water conservation
8	Integrated Farming system
9	Income Generating activities
10	Nutrition
11	Agro forestry

PART III - TECHNICAL ACHIEVEMENTS (2018-19)

3.A. Target and Achievements of mandatory activities

	0	FT		FLD							
		1		2							
0	FTs (No.)	Fai	rmers (No.)	F	LDs (No.)	Fa	rmers (No.)				
Target	Achievement	Target	Achievement	Target	Achievement	Target Achieveme					
03	03	21	18	16	16	121	116				

	Tra	ining		Extension Programmes							
Co	ourses (No.)	3 Parti	cipants (No.)	Programmes (No.) Participants (No.							
Target	Achievement	Target	Achievement	Target	Achievement	Target Achieveme					
50	58	1618	2291	778	853	5861	119734				

Seed	Production (Q)	Planting material (Nos.)					
	5		6				
Target	Achievement	Target	Achievement				
0	136 q	17000	25248				

Livestock, poultry str	ains and fingerlings (No.)	Bio-p	roducts (Kg)
	7		8
Target	Achievement	Target	Achievement
0	0	5 kg (IBA)	1.05 kg

3.B1. Abstract of interventions undertaken

			s unuer taken					Intervei	ntions					
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply o	cts
01	Integrated Crop Management	Paddy	Poor soil fertility, Deficiency of nutrients, Weeds, Incidence of stem borer, leaf folder, ear head bug, BPH and blast leading to low yield	•	Advanced Production Technologies for Profitable Paddy Cultivation	05	0	0	FV: 32 Farmer Scientist Interaction: 4	Sunhemp /Diancha: 1 Paddy: 2.5	-	-	No.	Kg
		Maize	Low yield, poor fertility, weeds, stem borer, Leaf Blight	-	ICM in Maize with Special Emphasis on Weed and Nutrient Management	01	0	0	FV: 03 Method demo:01	-	-	-	-	-
		Watermelon	Low yield, mal formed fruits, poor pollination, bud necrosis, nutrient deficiency, sucking pests		ICM in watermelon	02	0	0	FV:06	-	-	-	-	-
		Black pepper	Foot rot disease, Berry drop, Sucking insect, Micronutrient deficiency		ICM in blackpepper	03			FV:14 Method Demo:02	-	-	-	-	-
		Jasmine	Leaf spot, Eriophyid Mites, no pruning, improper nutrient management, Low yield		ICM in Jasmine	02	0	0	FV:06 Method demo: 02	-	-	-	-	-
02	Weed Management	Arecanut	Soil erosion, Weed menace, High labour cost, Low yield	Evaluation of suitable mulch material for arecanut plantation	-	03	0	0	FV:16	-	-	-	-	-
03	Pest	Black pepper	Sucking pests	Eco friendly	-								Neem	10 kg

Interventions									ntions					
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply o	
	Management			management of sucking insects in blackpepper									soap Pongamia soap. Neem oil	10 kg
		Bt. cotton	Low yield, Sucking insects, Boll and square drop, Black arm, leaf reddening	-	IPM in Bt. Cotton	02	-	-	FV: 02	Bhendi: 0.025	-	-	-	-
		Cashew	Low yield, Tea Mosquito Bug(TMB) & Cashew Stem & Root Borer (CSRB)	-	IPM in Cashew	01	-	-	FV:01	-	-	-	-	-
04	Fodder Production	Fodder Trees	Green Fodder Scarcity, mproper utilization of Betta lands and loss of species diversity	-	Efficient utilization of bettalands through silvipastoral system for sustainable land use	0	-	-	FV:02	-	Fodder trees& legume grasses: 750	-	-	-
		COFS-31 & Stylo grass	Poor nutrition supplement leading to low conception rate, Anestrus, RB and other health problems	-	Popularization of multicut sorghum and Stylo grasses	01	-	-	FV:6	COFS-31: 0.135 Stylosanthus haemata: 0.135	-	-	-	-
		Dry areca sheath	Scarcity of fodder, High cost of feed, wastage of locally available fodder.	-	Demonstration on feeding of enriched dry areca sheath for cows	01	-	-	FV: 03	-	-	-	-	-
05	Livestock production and	Livestock	Poor Nutrition supplement, Deficiency of		Demonstration of modified PG protocol in RB	04	01	01	FV: 28	-	-	-	-	-

								Interve	ntions					
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of produc	
	Management		major minerals, Low conception rate leading to repeat breeding		cows									
		Livestock	Poor Nutrition supplement, Deficiency of major minerals, absence of heat signs, Loss of milk yield		Demonstration of CIDR synch in anoestrus animals	04	01	01	FV:18	-	-	-	-	-
06	Agroforestry	Tree Borne Oilseeds	Improper utilization of Betta lands and loss of species diversity		Efficient utilization of betta lands through cultivation of TBO's for sustainable land use (Continued)	0	0	0	FV: 02	-	Various NTFPs: 1000	-	-	-
		Non Timber Forest Produce	Improper utilization of Betta lands and loss of species diversity		Efficient utilization of betta lands through cultivation of NTFPs for sustainable land use (Continued)	0	0	0	FV:02	-	Various TBOs: 1000	-	-	-
		Sheme bamboo	Improper utilization of farm bunds, Low income, Poor soil fertility, soil erosion		Cultivation of Dendrocalamus stocksii (Sheme Bamboo) on bunds/boundaries of farm land: A additional source to the farm income	0	0	0	FV:03	-	Sheme bamboo:300	-	-	-
		MPTs	Lack of alternate fast growing native MPTs			0	0	0	FV:05	-	Black pepper:500	-	-	-

								Interver	ntions					
S. No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of produc	
7	Nutritional Security	Nutri Farms	Poor nutritional status of the adolescents and lack of knowledge regarding importance of nutrients		Nutritional Garden for Schools and farming community	0	0	0	FV: 05	0.1775	-	-	Neem oil	3 litre
8	Enterprise Development	EDP - Up scaling the marketing of Garments	Low Marketing of Garments due to poor finishing and lack of surface enrichment	-	-	-	01	-	-	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise			No.of programmes	
	Title of Teelmotogy	Source of teemhology	erop/enterprise	OFT	FLD	Training	Others (Specify)
1	2	3 114 C DI	4	5	6	05	8
1	Advanced Production Technologies for Profitable Paddy Cultivation	UAS, Dharwad	Paddy	-	1		Field Day : 03
2	ICM in Maize with Special Emphasis on Weed and Nutrient Management	UAS, Dharwad	Maize	-	1	01	-
3	ICM in watermelon	UHS, Bagalkot	Watermelon	-	1	02	-
4	IPM in Bt. Cotton	UAS, Dharwad	Bt. Cotton	-	1	02	-
5	IPM in Cashew	DCR, Puttur	Cashew	-	1	02	-
6	ICM in Black pepper	IISR and KAU	Black pepper	-	1	04	Field Day:01
7	ICM in Jasmine	UHS, Bagalkot	Jasmine	-	1	02	Field Day: 01
8	Efficient utilization of betta lands through cultivation of TBO's for sustainable land use (Continued)	KAU, Thrissur	TBOs		1	0	-
9	Efficient utilization of betta lands through cultivation of NTFPs for sustainable land use (Continued)	KAU, Thrissur	NTFPs	-	1	0	-
10	Cultivation of <i>Dendrocalamus stocksii</i> (Sheme Bamboo) on bunds/boundaries of farm land : A additional source to the farm income	UAS, Dharwad & BSKKV,Dapoli	Sheme bamboo		1	0	World Bamboo Day: 01
11	Efficient utilization of bettalands through silvipastoral system for sustainable land use	KAU, Thrissur	Silvipastoral system	-	1	0	-
12	Nutritional Garden for Schools and farming community	-	Nutritional garden	-	1		-
13	Demonstration of modified PG protocol in RB cows	KVAFSU, Bidar	Dairy	-	1	4	-
14	Demonstration of CIDR synch in anoestrus animals	KVAFSU, Bidar	Dairy	-	1	4	-
15	Popularization of multicut sorghum and Stylo grasses	NIANP, Bangalore	Multicut sorghum and Stylo grasses	-	1	01	-
16	Demonstration on feeding of enriched dry areca sheath for cows	NIANP, Bangalore	Dry areca sheath	-	1	01	-
17	Evaluation of suitable mulch material for arecanut plantation	IIHR Bengaluru, UHS, Bagalkot	Cowpea, mucuna, stylo grass	1	-	0	-
18	Evaluation of Multi Purpose Trees (MPT) as pepper standards (Continued)	IIHR Bengaluru, KAU, Thrissur	MPTs	1	-	0	-
19	Eco friendly management of sucking insects in blackpepper	IIHR, Bengaluru & IISR, Calicut	Black pepper	1	-	0	-

3.B2 contd..

	No. of farmers covered															
			OFT				FLD			T	raining			Other	s (Specify))
Sl.No	Gene	ral	SC/ST		Genera	l	SC/ST	`	Genera	al	SC/ST		Genera	ıl	SC/ST	1
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	0	0	0	0	10	0	0	0	62	4	10	0	111	46	17	4
2	0	0	0	0	8	2	0	0	10	0	0	0	0	0	0	0
3	0	0	0	0	5	0	0	0	13	0	0	0	0	0	0	0
4	0	0	0	0	5	0	0	0	15	01	0	0	0	0	0	0
5	0	0	0	0	8	2	0	0	13	6	0	0	0	0	0	0
6	0	0	0	0	5	0	0	0	117	12	21	11	43	50	10	0
7	0	0	0	0	2	3	0	0	32	26	10	8	4	8	2	8
8	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	3	0	0	0	0	0	0	0	20	12	0	0
11	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	14	0	0	0	155	41	25	11	0	0	0	0
14	0	0	0	0	10	0	0	0	155	41	25	11	0	0	0	0
15	0	0	0	0	9	0	0	0	19	6	7	2	0	0	0	0
16	5	0	0	0	09	0	0	0	19	6	7	2	0	0	0	0
17	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PART IV - On Farm Trial (2018-19)

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic			l Ü	es assessed ir Commercial	1	_	Tel	Plantation	Tuber	TOTAL
areas	Cereals	Oilseeds	Pulses	Crops	Vegetables	Fruits	Flower	crops	Crops	TOTAL
Integrated										
Nutrient										
Management										
Varietal										
Evaluation										
Integrated Pest				01						01
Management										
Integrated Crop										
Management										
Integrated										
Disease										
Management										
Small Scale										
Income										
Generation										
Enterprises										
Weed								01		01
Management										
Resource										
Conservation										
Technology										
Farm										
Machineries										
Integrated				01						01
Farming System										
Seed / Plant										
production										
Value addition										
Drudgery										
Reduction										
Storage										
Technique										
Mushroom										
cultivation										
Total				02				01		03

- 4.A2. Abstract on the number of technologies refined in respect of crops: NIL
- 4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises: NIL
- 4.A4. Abstract on the number of technologies refined in respect of livestock enterprises: NIL
- 4.B. Achievements on technologies Assessed and Refined
- 4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed		Numb er of farme rs	
Integrated Nutrient Management					
Through the distriction of the d					
Varietal Evaluation					
Integrated Pest Management	Black Pepper	Eco friendly management of sucking insects in blackpepper	05	05	0.1

Thematic areas	Сгор	Name of the technology assessed	No. of trials	er of farme rs	Area in ha (Per trial covering all the Technologi cal Options)
Integrated Crop Management					
Integrated Disease Management	_				
Small Scale Income Generation Enterprises					
Weed Management	Arecanut	Evaluation of suitable mulch material for arecanut plantation	08	08	0.2
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System	MPTs	Evaluation of Multi Purpose Trees (MPT) as pepper standards (Continued)	05	05	0.1
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total	03		21	21	0.5

- 4.B.2. Technologies Refined under various Crops: NIL
- 4.B.3. Technologies assessed under Livestock and other enterprises : NIL
- 4.B.4. Technologies Refined under Livestock and other enterprises: NIL

4.C1.Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterpris e	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1: Litter	ITK	32.93	q/ha	-	6,88,375	2.88	
Arecanut	Irrigated	Weed	Evaluation of suitable mulch material for	08	T.O.2: Mucuna Cultivation	IIHR	34.5	q/ha	Mucuna Yield: 5.25 q/ha	7,56,234	3.02	
Arecanut	iiiigateu	Menace	arecanut plantation	08	T.O.3: Cowpea	IIHR	34.25	q/ha	Cowpea Yield: 3.95 q/ha	7,44,534	2.98	
			arccunat plantation		TO4: Stylosanthes hemata	UHS(B)	32.25	q/ha	-	6,60,985	2.78	
Multi	Rainfed/Irri	T1 £	Frankrika of Marki	05	TO1. A	THE (D)		- /1				On
Purpose	gated	Lack of alternate	Evaluation of Multi Purpose Trees (MPT)	03	TO1: Arecanut TO2: Silver Oak	UHS (B) UHS(B)		q/ha q/ha	-	-	-	going
Trees	gaicu	fast growing	as pepper standards		TO3: Melia dubia	KAU,		q/na q/ha				going
		native MPTs	as babbas summers		103. Meta aaota	Thrissur		qina				
					TO1: Dimethoate	-	19.8	q/ha	Sucking Insects(%): 0.96 Coccinellid Population(%): 0.04	4,01,050	3.62	
Black	Irrigated	Sucking	Eco friendly management of	05	TO2: Neem soap	IIHR, Bengaluru	15.85	q/ha	Sucking Insects(%): 2.27 Coccinellid Population(%):0.56	3,06,760	3.23	
Pepper	iiiigated	insects	sucking insects in blackpepper	03	TO3: Pongamia soap	IIHR, Bengaluru	17.45	q/ha	Sucking Insects(%): 2.11 Coccinellid Population(%):1.16	3,51,460	3.55	
					TO4: Neem oil	IISR, Calicut	17.85	q/ha	Sucking Insects(%): 1.86 Coccinellid Population(%):1.02	3,60,250	3.58	

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

OFT:1:

- 1. Title of Technology Assessed: Evaluation of suitable mulch material for arecanut plantation
- 2. **Performance of the Technology on specific indicators:** Best treatment (TO2) resulted higher B:C ratio (3.02) compared to farmer practice(2.88)
- 3. Specific Feedback from farmers: Weeds were big menace in arecanut plantation. Sowing of mucuna and cowpea in between areca trees was more effective to control weed growth and these cover crops also provide additional income.
- **4.Specific Feedback from Extension personnel and other stakeholders:** On farm Trial to manage weeds, soil erosion by growing cover crops in arecanut plantation was greately helped in convincing the farmers regarding use of cover crops for weed management
- **5. Feedback to Research System based on results and feedback received:** Mucuna crop performed best under arecanut trees, however short duration type are more preferred than long duration ones.

OFT:2:

1. Title of Technology Assessed : Evaluation of Multi Purpose Trees (MPT) as pepper standards : Ongoing

OFT:3:

- 1. Title of Technology Assessed: Eco friendly management of sucking insects in blackpepper
- **2. Performance of the Technology on specific indicators**: Commercial neem formulation performed better compared to neem and pongamia soap in management of sucking insects especially mealy bugs and scales.
- **3.Specific Feedback from farmers:** Among ecofriendly methods, commercial neem is best. Noticed activity of predatory beetles in all the plant based treatments. Management measures should be initiated in the early stage of infestation by mealy bugs and scales, otherwise difficult to control. Leaf thrips is common menace doesn't cause much damage on pepper yield.
- **4.Specific Feedback from Extension personnel and other stakeholders:** Management against sucking insects especially scales and mealy bugs needs to be initiated in the early stage itself.
- **5. Feedback to Research System based on results and feedback received :** Systematic research on loss estimation and management of sucking insects mainly scales and mealy bugs needs to be studied.
- 4.D1. Results of Technologies Refined: NIL
- 4.D.2. Details of Technologies refined:NIL

PART V - FRONTLINE DEMONSTRATIONS (2018-19)

5.A. Summary of FLDs implemented

Sl.		Farming						Technology	Area ((ha)	Farme	ers (No.)	Farmers	(No.)
No.	Category	Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Demonstrated	Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Oilseeds													
	Pulses													
	Cereals													+
		Rainfed	Kharif	Paddy	PSB-68	-	Crop Production	Integrated Crop Management	4	4	0	10	10	0
		Rainfed	Kharif	Maize	-	NK- 6240	Crop Production	Integrated Crop Management	4	4	0	10	10	0
	Millets													
	Vegetables													
		Rainfed	Rabi	Nutri Farms	-	-	Household food security by kitchen gardening and nutrition gardening	Nutrition garden	0.01	0.01	0	10	10	0
	Flowers						gardening							1
		Irrigated	Kharif	Jasmine	Bhatkal Jasmine	-	Production and management Technology	Integrated Crop Management	1	1	0	05	05	0
	Ornamental						Teemoregy							
	Fruit													
		Irrigated	Summer	Water Melon	Naamdhari	-	Production technology	Integrated Crop Management	2	2	0	05	05	0
	Spices and condiments			1,101011			teemeregy	- Transgement						
	condiments	Irrigated	Kharif	Black pepper	Paniyur-1	-	Production and Management Technology	Integrated Crop Management	1	1	0	05	05	0
	Commercial													

Sl.		Farming						Technology	Area	(ha)	Farm	ers (No.)	Farmers	s (No.)
No.	Category	Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Demonstrated	Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
		Rainfed	Summer	Cashew	Local	-	Pest Management	Integrated Pest Management	4	4	00	10	10	0
	Medicinal and									1				
	aromatic													
	Fodder													
		Rainfed	Kharif	Fodder tree			Agroforestry	Efficient utilization of bettalands through silvipastoral system for sustainable land use	0.2	0.2	0	05	05	0
		Rainfed/Irrigated	Kharif	Multicut sorgam & Stylo grass	COFs-31 Stylosanthus haemata		Feed and Fodder Technology	Popularization of multicut sorghum and Stylo grasses			0	9	09	0
		-	-	Aareca sheath			Feed and Fodder Technology	Demonstration on feeding of enriched dry areca sheath for cows	5	5	0	5	05	0
	Plantation													
	Fibre													
		Rainfed	Kharif	Bt. cotton		BG-II	Integrated Pest Management	Integrated Pest Management	2	2	0	5	05	0
	Dairy													
		-	-	Livestock	Crossbred		Animal disease management	Assessment of modified PG protocol for treating repeat breeding cows	12	14	0	14	14	0
		-	-	Livestock	Crossbred		Animal disease management	Demonstration of CIDR synch in anoestrus animals	10	10	0	10	10	0
	Poultry													
	Rabbitry													
	1									1				+

Sl.		Farming						Technology	Area	(ha)	Farm	ers (No.)	Farmers	s (No.)
No.	Category	Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Demonstrated	Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Piggery													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others :													
	Agroforestry													
		Rainfed	Kharif	TBOs (Tree borne Oilseed)	-	-	Production technology	Planting of TBOs in betta land	0.2	0.2	0	10	10	0
		Rainfed	Kharif	NTFPs (Non Timber Forest Product)	-	-	Production technology	Planting of NTFPs in betta land	0.2	0.2	0	10	10	0
		Rainfed	Kharif	Sheme bamboo	Dendrocalumus stocksii		Production technology	Cultivation of Sheme bamboo on bunds and	0.5	0.5	0	3	3	0

CI		Farmina						Technology	Area (ha)	Farme	ers (No.)	Farmers	(No.)
Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Demonstrated	Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
								boundaries of						
								farm land						

5.A. 1. Soil fertility status of FLDs plots, if analysed

	5.A. I. Soil	fertility sta	tus of FLL	os plots, if	analysed							
Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated		Status of se	oil	Previous crop grown
									N	P	K	
	Oilseeds											
	Pulses				1	-				-		
	ruises					1				1		
	Cereals											
	3.671											
	Millets											
	Vegetables					1				1		
						1				1		
		*	XXI : 0		701 11 1		100.6	Y07.4	(1.6	0.0	60.0	
		Irrigated	Kharif, 2018	Jasmine	Bhatkal	-	ICM	ICM in Bhatkal	61.6	8.0	68.0	Jasmine
	Flowers		2010					Jasmine				
	Ornamental											
	Fruit											
	Spices and	Irrigated	Kharif	Black	Paniyur-	-	ICM	ICM in	52.8	7.3	110.8	Black
	condiments		2018	pepper	1			black		,		pepper
	condiments							pepper				
	Commercial											
	Medicinal					+				+		
	and											
	aromatic											
<u> </u>	Fodder					†				1		
					1	-				 		
					1	1				1		
	Plantation					<u> </u>				<u> </u>		
	Fibre				1	1				1		
			I	1							1	

5.B. Results of FLDs

5.B.1. Crops

	Name of the			Farming	No. of	Are		Yield (q/ha)		%	*Econ	omics of demo	nstration (Rs./h	na)	;	Economics of Rs./ha		
Crop	technology demonstrated	Variety	Hybrid	situation	Demo	a (ha)		Demo		Check	Increas e	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BC R
							Н	L	A										
Oilseeds																			
Pulses																			
Cereals	ICM in paddy	PSB-68	-	Rainfed	10	4	100.8	60.2	75.44	54.74	27.0	50,202.3	1,16,617.5	66,415	2.32	46,370	84,829	38,450	1.83
	ICM in Maize	-	NK-	Rainfed	10	4	79	45	65.6	43.8	33.26	41,200	98,400	57200	2.38	42500	65,700	23200	1.54
Millets	ICIVI III IVIAIZE		6240	Rainicu	10	7	- 17	43	03.0	45.0	33.20	41,200	76,400	37200	2.30	12300	05,700	23200	1.51
Millets																			
Vegetables	Nutrifarms	Various vegetable varieties		Irrigated	10	0.01	76	56.75	64.26	-	-	1216000	3125200	1909200	2.57	-	-	-	-
Flowers	ICM in Jasmine	Bhatkal Mallige	-	Irrigated	5	1	53	46	49.92	42.90	16.36	7,81,161	27,73,306	19,92,145	3.55	7,56,161	23,83,310	16,27,149	3.15
Ornamental																			
Fruit	ICM in Water Melon	Naamdari		Irrigated	5	2	268.7	225	242.5	193.8	200.8	95,750	2,42,500	1,46,750	2.58	88,250	1,93,750	1,05,500	2.25
			-																
Spices and condiments	ICM in Black pepper	Paniyur-1	-	Irrigated	5	1	19.80	15	16.80	13.60	23.52	1,76,235	5,88,420	4,12,185	3.34	1,50,310	4,76,000	3,25,690	3.16
Commercial	IPM in Cashew	Local	-	Rainfed	10	4	12.50	8.75	10.50	5.94	43.42	42,600	1,15,500	72,900.0	2.71	39,575	65,312	25,737	1.65
Fibre crops like cotton	IPM in Bt. Cotton	-	BG-II	Rainfed	5	2	22.50	18.50	20.50	17.75	15.49	42,850	1,39,400	96,550	3.25	42,300	1,20,700	78,400	2.85

	Name of the			Farming	No. of	Are		Yield (q/ha)		%	*Econ	omics of demo	nstration (Rs./h	na)		*Economics o		
Crop	technology demonstrated	Variety	Hybrid	situation	Demo	a (ha)		Demo		Check	Increas e	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	BC R
							Н	L	A										
Medicinal																			
and aromatic																			
	***Fodder																		<u> </u>
Fodder	tree crops	-	-	Rainfed	5	0.2													
	Multicut	COFs-31																	
	sorgam &	*Stylosant	_	Rainfed/Irr	9	0.9	1300	1200	1240	430	65%	166150	373625	207475	2.24	194590	328790	134200	1.68
	Stylo grasses	hus haemata		igated		0.5	1500	1200	12.0	.50	0070	100150	373020	207175	2.2.	17.070	320730	13.200	1.00
	Aareca				_							0.100				0.400			
	sheath**	-	-	-	5	-	7.65	7.20	7.29	6.03	17.2%	8420	15120	6700	1.77	8480	13104	4624	1.50
Plantation																			
Fibre																			
Others	***TBOs																		
Agroforestry	(Tree borne Oilseed)	-	-	Rainfed	10	0.2													
	***NTFPs																		
	(Non Timber Forest	-	-	Rainfed	10	0.2													
	Product)																		
	***Sheme bamboo	Dendrocal umus stocksii	-	Rainfed	3	0.5													
	aam4haa haama																		

^{*}Stylosanthus haemata: Germination was good but crop was unable to grow well to its vegetative farm above 5-8 cm
** Difference of dry fodder and enriched dry fodder intake for 90 days
*** The crop is under vegetative stage

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

• ICM in paddy

Data on other	parameters in relation to technology d	emonstrated
Parameter with unit	Demo	Check
Plant Height (Cm)	139.5	130.4
No. of tillers/hill	15.6	8.2
Panicle Height (cms)	20.62	15.46
No. of Grains/ panicle	155.9	130.58
Stem borer incidence	0	5.2
Stem borer control (%)	100	-
Leaf folder incidence	3.5	25
Leaf folder control (%)	86	
Earheadbug incidence	3.2	20.7
Earheadbug control (%)	84.54	
BPH ncidence	2.75	17.6
BPH control (%)	84.38	
Blast incidence	0.87	19.10
Blast control (%)	95.45	
Grain discoloration	5.5	28.96
Grain discoloration control (%)	79.97	
Smut disease	0.5	0

• ICM in Maize

Data on other parameters in relation to technology demonstrated									
Parameter with unit	Demo	Check							
Plant Height (cm)	125.5	117.8							
Cob length (cm)	20.80	15.50							
Cob Diameter	4.77	4.60							
Cost on weed Management	1850	6680							
Cost save on weed Management	4830	-							
Labour Requirement for weed Management	4	35							
% Labour save for weed Management	88.57	-							
Stem borer infested plant per m2	1.0	5.2							
% control	80.08								
% Leaf blight incidence	3.8	25.7							
% control	85.21								

• Nutri Farms

Data on	other parameters in relation to technology demo	onstrated
Parameter with unit	Demo(After intervention)	Check (Before intervention)
Change in knowledge regarding nutrition (%) (Pre Test)	69	-
Change in knowledge regarding nutrition (%) (Post Test)	85	-

• ICM in Jasmine

Data on other parameters in relation to technology demonstrated					
Parameter with unit	Demo	Check			
Incidence of Leafspot(%)	18	34			
Percent leaf incidence by Eriophyd mite	6.4	37.50			

• ICM in Water melon

Data or	n other parameters in relation to technology den	nonstrated
Parameter with unit	Demo	Check
Fusarium wilt(%)	1.4	3.85
% Malformed fruits	0.9	3.8

• IPM in Cashew

Data or	Data on other parameters in relation to technology demonstrated					
Parameter with unit	Demo	Check				
TMB damage (0-4 scale)	0.39	2.53				
Recovery of CSRB affected trees(%)	1.5	0.2				

• ICM in Black pepper

Data o	Data on other parameters in relation to technology demonstrated					
Parameter with unit	Demo	Check				
Death of vines-PDT	4.08	4.90				
Reduction in sucking pest incidence(%)	68.11	-				
Percent reduction in berry drop	13.80	-				

• ICM in Bt. Cotton

Data on	Data on other parameters in relation to technology demonstrated						
Parameter with unit	Demo	Check					
Aphid Count : DBS	24.60	28.40					
Aphid Count: 7 DAS	3.60	18.12					
Leaf hoppers(nos/3 leaves) DBS	7.92	8.4					
Leaf hoppers(nos/3 leaves) 7 DAS	1.0	3.52					
Thrips(nos/3 leaves) DBS	15.20	12.60					
Thrips (nos/3 leaves) 7 DAS	2.80	10.0					
PBW moths trapped	Nil	-					

• Multicut sorgam & Stylo grasses

Data or	n other parameters in relation to technology den	nonstrated
Parameter with unit	Demo	Check
Lactation Milk yield	3335.938	2935.625

• Enrichment of dry areca sheath&dry fodder

Data on	other parameters in relation to technology den	nonstrated
Parameter with unit	Demo	Check
Milk yield (3 months) Ltrs	540	468
Decrease in Feed wastage %	24.4	-
Increase in dry fodder intake (%)	1.4	-

5 R 2 Livestock and related enterprises

Type of	Name of the technology demonstrated	Breed	No. of	No. of		Yie	ld (l/anim		%	*Econor	nics of demo		./unit)	:	*Economics (Rs./u	mit)	
livestock	Name of the technology demonstrated	Breed	Demo	Units		Dem	0	Check if any	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					Н	L	A										
Dairy	Assessment of modified PG protocol for treating repeat breeding cows	Cross bred	14	14	720	600	535.71	317.14	40.80	7412.14	15000.00	7587.86	1.95	8820.32	8880.00	59.68	1.10
	Demonstration of CIDR synch in anoestrus animals	Cross bred	10	10				1		1	On going			ı			
																	
Poultry																	1
																	
																	1
Rabbitry																	_
Pigerry					-												\vdash
Sheep and																	+
goat																	
D 1																	
Duckery																	
																	
Others (pl.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

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Assessment of modified PG protocol for treating repeat breeding cows

Data on other parameters in relat	ion to technology der	nonstrated
Parameter with unit	Demo	Check if any
Number of animals shown heat and du	ration of estrous and	conception rate
Up to 18-24 Hr	5	2
24-48 Hr	9	4
>48 hours	0	8
Conception rate	85.70%	28.5

• CIDR Synch protocol

Data on other parameters in	n relation to technology o	lemonstrated							
Parameter with unit Demo Check if any									
Number of animals shown heat and duration of estrous and conception rate									
No of animals shown heat	10(10)	3(10)							
Up to 18-24 Hr	6	0							
24-48 Hr	4	2							
>48 hours	0	1							
Conception rate	Some	Some results are pending							

5.B.3. Fisheries : NIL

5.B.4. Other enterprises : NIL

5.B.5. Farm implements and machinery : NIL 5.B.6.Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	4	221	
2	Farmers Training	17	345	
3	Media coverage	4	-	
4	Training for extension functionaries	0	0	
5	Others (Please specify)	0	0	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS (2018-19): NIL

Demonstration details on crop hybrids

Type of	Name of the	Name	No.	Area	Yield (q/ha			/ha)	%	*Eco	nomics of (Rs.	demonstra	ation	*Economics of check (Rs./ha)			
Breed	technology demonstrated	of the hybrid	of Demo	(ha)	,	Dem	`	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
	demonstrated	11,0114	Demo					Спеск		Cost	Return	Return	BCR	Cost	Return	Return	BCR
Cereals					Н	L	Α										
Bajra																	
Maize																	
Paddy																	
Sorghum																	
Wheat																	
Others																	
(pl.specify)																	
Total																	
Oilseeds																	
Castor																	
Mustard																	
Safflower																	
Sesame																	
Sunflower																	
Groundnut																	
Soybean																	
Others																	
(pl.specify) Total																	
Pulses																	
Greengram																	
Blackgram																	
Bengalgram																	
Redgram																	
Others																	
(pl.specify) Total																	
Vegetable																	
Bottle gourd																	
Capsicum	1						1			1				1			
Others	1					-	-			1				1			
(pl.specify)																	
Total	1						1			1				1			
Cucumber	+												-				
Tomato	1						1										
Brinjal	1						1			1				1			
Okra																	
Onion	1						1			1				1			
Potato						-	-										
			-							-				-			
Field bean		l		l		l	l	1	l		l		l			l	i

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

PART VII. TRAINING (2018-19)

7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

	No. of				No	. of Partici	pants			
Area of training	Courses		General			SC/ST	T ==		Grand Tota	
Crop Production		Male	Female	Total	Male	Female	Total	Male	Female	Total
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation	3	100	12	112	8	0	8	108	12	120
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)								-		
c) Ornamental Plants										
Nursery Management										
Management of potted plants										

Export potential of ornamental plants		1	1					1		
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	1	53	0	53	0	0	0	53	0	53
Processing and value addition										
Others: Plant Propagation Technique	1	16	3	19	8	3	11	24	6	30
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology	2	52	57	109	31	30	61	83	87	170
Processing and value addition	2	32	31	109	31	30	01	63	87	170
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology		1.4	10	22	10	0	10	2.4	26	50
Post harvest technology and value addition	1	14	18	32	10	8	18	24	26	50
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	2	220	61	200	25	21	5.6	274	02	256
Poultry Management	3	239	61	300	35	21	56	274	82	356
Piggery Management										
Rabbit Management										
Animal Nutrition Management					_				_	
Animal Disease Management	1	19	6	25	7	2	9	26	8	34
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
second omen empowerment										

Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost										
diet Designing and development for high nutrient										
efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	01	13	22	35	0	0	0	0	0	0
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro										
irrigation systems Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management	1	28	0	28	0	0	0	28	0	28
Bio-control of pests and diseases	1	20	0	20	0	0	0	20	0	20
Production of bio control agents and bio										
pesticides Others : Safe use of pesticides										
Fisheries	1	30	0	30	7	0	7	37	0	37
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
		l .							1	<u>I</u>

Others (pl.specify)						<u> </u>	I		1	
Others (pr.spectry)										
Production of Inputs at site Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	2	31	7	38	1	1	2	32	8	40
Others: KVK Activities	1	27	8	35	6	2	8	33	10	43
Others: Vigilance Awareness	1	35	6	41	7	1	8	42	7	49
Agro-forestry	1	33	0	71	,	1	8	72	,	7)
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	19	657	200	857	120	68	188	764	246	1010

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

	No. of				No.	of Partici	pants			
Area of training	Courses		General			SC/ST			Grand To	
Crop Production		Male	Female	Total	Male	Female	Total	Male	Female	Total
Weed Management										
Resource Conservation Technologies										
Cropping Systems	1									
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	2	20	2		0			20		
Soil and Water Conservation	3	30	2	32	0	0	0	30	2	32
Integrated Nutrient Management		12		- 10	0			- 10		
Production of organic inputs	1	12	0	12	0	0	0	12	0	12
Others (pl.specify)	1	11	0	11	0	0	0	11	0	11
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	4	64	5	69	35	0	35	99	5	104
Management of young plants/orchards		01	3	0)	33	Ŭ.	33	- //	3	104
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	1	18	8	26	0	0	0	18	8	26
Others (pl.specify)	1	10	0	20	0	U	0	10		20
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants	1									
Propagation techniques of Ornamental										

Dlanta		-								
Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	1	48	1	49	1	0	1	49	1	50
Processing and value addition										
Others (Mechanization)	1	10	3	13	5	2	7	15	5	20
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology	2	212	20	232	25	0	25	237	20	257
Processing and value addition		212	20	232	23	0	25	237	20	251
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value										
addition Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	2	107	4	111	8	0	8	115	4	119
Others : Renewable Energy	4	0	141	141	0	56	56	0	197	197
Water Conservation	1	0	40	40	11		11	11	40	51
Livestock Production and Management	-								10	
Dairy Management	1	26	5	31	1		1	27	5	32
Poultry Management	1	20	3		-					
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										

Household food security by kitchen										
gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	0	33	33	0	0	0	0	33	33
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	8	70	7	68	2	0	2	70	7	77
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
(Proposity)										

		T			1		1	T	 	
Production of Inputs at site										
Seed Production										
Planting material production										1
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										<u> </u>
Production of livestock feed and fodder										<u> </u>
Production of Fish feed										<u> </u>
Mushroom production	1	10	22	32	6	4	10	16	26	42
Apiculture	1	14	0	14	0	0	0	14	0	14
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										·
Others (pl.specify)										
Agro-forestry										
Production technologies										<u></u>
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	33	632	291	923	94	62	156	726	353	1079

7.C. Training for Rural Youths including sponsored training programmes (on campus)

	No. of Course		G 1		No. of 1	Participan	ts	1	G 175 4	,
Area of training		Male	General Female	Total	Mal	SC/ST Femal	Total	Mal	Grand Tot Femal	Total
Nursery Management of Horticulture crops					e	e		e	e	
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching			1							
Rural Crafts										
Production of quality animal products										
Dairying	1	27	8	35	3	2	5	30	10	40
Sheep and goat rearing			+							
Quail farming										
Piggery										
Rabbit farming			1							
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries							-		-	
Fish harvest and processing technology							1		 	
Fry and fingerling rearing							1			
Any other (pl.specify)							1		-	
TOTAL	1	27	8	35	3	2	5	30	10	40

7.D. Training for Rural Youths including sponsored training programmes (off campus): NIL

	No. of	No. of Participants										
Area of training	Courses	Male	General Female	Total	Mala	SC/ST	Total	Male	Grand Tot Female	al Total		
Nursery Management of Horticulture crops		Male	remaie	Total	Male	Female	Total	Maie	remaie	Total		
Training and pruning of orchards												
Protected cultivation of vegetable crops												
Commercial fruit production												
Integrated farming												
Seed production												
Production of organic inputs												
Planting material production												
Vermi-culture												
Mushroom Production												
Bee-keeping												
Sericulture												
Repair and maintenance of farm machinery and implements												
Value addition												
Small scale processing												
Post Harvest Technology												
Tailoring and Stitching												
Rural Crafts												
Production of quality animal products												
Dairying												
Sheep and goat rearing												
Quail farming												
Piggery												
Rabbit farming												
Poultry production												
Ornamental fisheries												
Composite fish culture												
Freshwater prawn culture												
Shrimp farming												
Pearl culture												
Cold water fisheries	<u> </u>											
Fish harvest and processing technology												
Fry and fingerling rearing												
Any other : Entrepreneur Development	1	20	0	0	0	0	0	20	0	20		
TOTAL	1	20	0	0	0	0	0	20	0	20		

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

	No. of				No.	of Particip	oants				
Area of training	Course		General SC/ST					Grand Total			
•	s	Mal e	Femal e	Tota l	Mal e	Femal e	Tota l	Mal e	Femal e	Tota l	
Productivity enhancement in field crops											
Integrated Pest Management	1	10	14	24	4	4	8	14	18	32	
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											
Livestock feed and fodder production	1	21	1	22	9	1	10	30	2	32	
Household food security						-					
Any other (pl.specify)											
Total	2	31	15	46	13	5	18	44	20	64	

$7.F.\ Training\ programmes\ for\ Extension\ Personnel\ \ including\ sponsored\ training\ programmes\ (off\ campus):$ NIL

	No. of				No. o	of Particip	ants					
Area of training	Course		General SC/ST				(Frand Tota	l			
9	s	Male	Female	Total	Male	Female	Total	Male	Female	Tot al		
Productivity enhancement in field crops												
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												
Livestock feed and fodder production												
Household food security												
Any other (pl.specify)												
Total												

7.G. Sponsored training programmes conducted

		No. of Course				No.	of Particij	pants				
S.No	Area of training	s		General			e 1 2 2 56 2 1 1 2 1 2 5	(Grand Tota	al		
•	ğ		Mal	Femal	Tota	Mal			Mal	Femal	Tota	
1			e	e	l	e	e	1	e	e	l	
1	Crop production and management											
1.a.	Increasing production and productivity of crops	1	48	1	49	1	0	1	49	1	50	
1.b.	Commercial production of vegetables						-					
2	Production and value addition											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops	2	224	66	290	34	22	56	258	88	346	
3.	Soil health and fertility management											
4	Production of Inputs at site											
5	Methods of protective cultivation											
6	Others (pl.specify)											
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	3	51	7	58	1	1	2	52	8	60	
12.b.	Others (pl.specify)											
	Total	6	323	74	397	36	23	59	359	97	456	

Details of sponsoring agencies involved

- CSS-MIDH NHM
- AgricultureSkill Council of India Coconut Board,Bengaluru

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

		No. of				No.	of Particip	Participants SC/ST Grand Total Female Total Male Female				
S.No.	Area of training	Courses		General			SC/ST			Grand Tota	al	
		Courses	Male	Female	Total	Male	Female	Total			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											
3.d.	Piggery											
3.e.	Poultry farming											
3.f.	Others (pl.specify)											
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.											
4.i.	Tailoring, stitching, embroidery, dying etc.	1	0	27	0	0	0	0	0	27	27	
4.j.	Agril. para-workers, para-vet training											
4.k.	Bakery Product Preparation	1	0	16	0	0	0	0	0	16	16	
5	Agricultural Extension											
5.a.	Capacity building and group dynamics											
5.b.	Others (pl.specify)											
	Grand Total	2	0	43	0	0	0	0	0	43	43	

7.F. Details of Skill Training Programmes carried out by KVKs under ASCI

S. No.	Name of Job Role	Date of Start	Date of Assessment	Total Expenditure		No. of Participants General SC/ST Grand Total				al	No of Participants passed			
				(Rs.)	Male	Female	Total	Male	Female	Total	Male	Female	Total	assessment
1	Bee	11.02.2019	18.03.19	1,40,663.00						_	18	2	20	19
	Keeper	11.02.2019			14	1	15	4	1	3	10	2	20	
2.	Organic	11.02.2019	18.03.19	1,65,164.00						2	17	03	20	18
	Grower	11.02.2019			17	0	17	3	0	3	1 /	03	20	

PART VIII – EXTENSION ACTIVITIES (2018-19)

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension	No. of Program	No. of Pa	rticipants (General)	No.	of Particip SC / ST	ants	No.of e	xtension pe	ersonnel
Programme	mes	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	155	114	269	29	12	41	10	4	14
Kisan Mela	01	20	25	45	40	70	110	5	4	9
Kisan Ghosthi	0	0	0	0	0	0	0	0	0	0
Exhibition	6	46658	30937	77595	20435	10239	30674	355	235	590
Film Show	8	65	30	95	15	12	27	0	0	0
Method Demonstrations	20	237	62	299	48	14	62	30	17	47
Farmers Seminar	01	60	10	70	10	6	16	8	2	10
Workshop	8	177	217	394	63	89	152	16	6	22
Group meetings										
Lectures delivered as resource persons	66	3482	941	4423	1312	409	1712	503	259	762
Newspaper coverage	38									
Radio talks	8									
TV talks	8									
Popular articles	14									
Extension Literature	4									
Advisory Services(Over phone)	169									
Scientific visit to farmers field	201	371	91	462	70	19	89	83	18	101
Farmers visit to KVK	197	105	15	120	57	10	67	10	10	20
Diagnostic visits	78	172	23	195	20	2	22	45	14	59
Exposure visits	18	40	8	48	25	4	29	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	01	50	7	57	10	0	10	0	0	0
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)	8	300	200	500	100	91	191	0	0	0
Any Other (Specify) Awareness Programmes	3	75	315	390	32	130	162	40	20	60
Total	862	51967	32995	84962	22266	11107	33364	1105	589	1694

PART IX - PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2018-19)

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy*	Abhilash	_	135		_
Oilseeds						
Pulses	Black gram*	DU-1		1		
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)						
Total				136		

^{*} Produce not yet sold

9.B. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial						
Vegetable seedlings	Drumstick	PKM-1		600	9,000.0	48
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation	Arecanut	SAS-1		3400	51,000.0	13
Spices	Black Pepper	Paniyur-1		20000	3,50,000.00	75
	Cardamom	Mudigere-1		1100	16,500.00	16
	Venilla	Local		148	8,880.00	6
Tuber						
Fodder crop saplings						
Forest Species						
Others(specify)						
Total		·		25248	4,35,380.00	158

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) Root Hormone	IBA	0.015	1,225.0	10
Total				

9.D. Production of livestock: NIL

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: April 2018 Periodicity: Quarterly Copies printed in each issue: 100

(B) Literature developed/published

Item	Number
Research papers- International	4
Research papers- National	1
Technical reports	
Technical bulletins/short	12
communications/Abstract	
Popular articles - English	
Popular articles – Local language	19
Extension literature	5
Others (Pl. specify)	
TOTAL	41

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	Enrichment of Trichoderma with	In house Video development
		Neem cake	
2	Mobile Apps	Nil	-
3	Social media groups with KVK as Admin	DAESI Trainees Whatsapp Group	Regular exchange for information and answers to the queries.
4	Facebook account name	kvkuks@gmail.com	-
5	Instagram account name	Nil	-
6	Digital Library	Digital Library	Nearly 70 technological CDs are collected from different institutes like GKVK, UASD, IIHR etc. They are being used during trainings for dissemination of technology

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).

Title: Berry Drop Management in Black Pepper

Background : Black pepper (*Piper nigrum* L.) is a major export oriented spice crop of India. It is a native of the monsoon forests along Malabar Coast of south western India. In India, it is cultivated in an area of 1.35 lakh ha with the production of 64000 tonnes and the export has been 16,840 tonnes. Karnataka, Kerala and Tamilnadu are major spice growing states in India. Uttara Kannada is one of the major black pepper growing districts in Karnataka. In Uttara Kannada, it is cultivated in an area of 1117 ha with the production of 517tonnes. The major setback in the cultivation of black pepper in the district is berry drop leading to loss in yield. Spike shedding and berry drop are serious malady that affects the yield of pepper to an extent of 29.0 per cent and 40.0 per cent. Abiotic stress like drought, high temperature, nutritional imbalance and biotic stress are the reasons for berry drop in black pepper. These stresses may create a physiological imbalance within the

plant, leading to shedding of spikes that adversely affects the productivity of the vines. Auxins are organic compounds which play a vital role in regulating various physiological processes of plants. Hence an investigation was carried out with growth regulator and nutrient spray to enhance the productivity of pepper vines by reducing berry drop from spikes

Interventions

Process: On farm testing of available technology options was undertaken at Kenchagadde village of Uttara Kannada district during 2016-17 and 2017- 2018 by Krishi Vigyan Kendra, Sirsi. The OFT was conducted at 5 farmer's field. The observation on per cent berries per spike at the time of first harvest, per cent reduction in berry drop and yield were recorded. Per cent berries per spike was calculated based on the observations like total number of berries set/spike and berries drop/spike.

Technology: TO1: The treatments were farmers practice (no spray), TO2: Di-Ammonium Phosphate (DAP) 1.5 per cent and 25 ppm Naphthalene Acetic Acid (NAA) spray at berry set and fruit development stage and TO3:NAA @ 40 ppm spray at berry set and fruit development stage. The recommended package of practices were followed to raise the crop.



Berry set and fruit development under different treatments



Spraying and harvesting operations in black pepper

Impact: Number of berries per spike were found to be highest in the treatment where 1.5 per cent DAP and 25 ppm NAA were sprayed at berry set and fruit development stage respectively. Further, application of NAA @ 40 ppm at berry set and fruit development stage also showed significantly more number of berries per spike at the time of first harvest as compared to farmers practice.

Horizontal Spread: Initially in five farmers field (250 vines in each farmer field) treatments were induced under FLD. Due to the increased berry set per cent and total yield surrounding farmers started to use the same treatments and the technology reached to more than 45 farmers. The information related to management of berry drop in black pepper was spread via original farmers in whose field KVK initially introduced the technology and trainings. Further, the berry drop management by DAP and NAA spray is still expanding to surrounding blocks of Uttar Kannada district.

Economic gains: Application of 1.5 per cent DAP and 25 ppm NAA spray fetches the significantly highest net return and B:C ratio (Rs.4,19,256 /ha and 3.34) followed by NAA @ 40 ppm spray treatment. The lowest B:C ratio was observed under farmers practice.

Employment Generation: NIL

10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year: NIL

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

10 F. Technology Week celebration during 2018-19: NIL

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.)			

Types of Activities	No. of	Number of	Related crop/livestock technology
	Activities	Farmers	Related Crop/fivestock technology
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			

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab : Running

1. Year of establishment : 2005

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	pH meter	1	19250
2	EC meter	1	20,570
3	Microjeldahl N distillation Unit	2	2,88,550
4	Plant Sample digestion Unit (Kjeldahl)	1	137350
5a	Distillation Unit (Glass double)-5 1/ hr	1	43050
5b	Distillation Unit (Glass double)-1 l/hr	2	43050
6	Spectrophotometer	1	40050
7	Flame photometer	2	1,22,040
8	Hot Air Oven	1	17228
9	Willey mill (Plant sample Grinder)	1	15,435
10	Hot plate	1	3046
11	Horizontal Shaker	2	96905
12	Weighing Balance (Cap 500 g, Acc 0.1 g)	1	10890
13	Weighing Balance (Cap 100 g, Acc 0.001 g)	2	138479
14	Whirlpool Refrigerator	1	22850
15	Atomic absorption spectro photometer	1	14,49,352
	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
Soil Samples	11651	11543	6805
Water Samples	6721	6666	4534
Plant samples	0	0	0
Manure samples	0	0	0
Others (specify)	0	0	0
Total	18372	18209	11339

C. Details of samples analyzed during the 2018-19:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	1812	1725	1648
Water Samples	1536	1502	1441
Plant samples			
Manure samples			
Others (specify)			
Total	3348	3227	3089

11.2 Mobile Soil Testing Kit: NIL

A. Date of purchase and current status: NIL

Mobile Kits	Date of purchase	Current status
1.		
2.		

B. Details of soil samples analyzed during 2018-19 and since establishment with Mobile Soil Testing Kit: : NIL

	Progress during 2018-19	Cumulative progress
Samples analyzed (No.)		
Farmers benefited (No.)		
Villages covered (No.)		

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit during 2018-19: : NIL

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL					
Mobile Soil Testing Ki					

11.4 World Soil Health Day celebration

 0						
SI.	Farmers	Soil health	VIPs (MP/	Other Public	Officials	Media
No.	participated	cards issued	Minister/MLA	Representatives	participated	coverage
	(No.)	(No.)	attended (No.)	participated	(No.)	(No.)
01	152	48	01	03	20	04 Dailies

PART XII. IMPACT

12.A. Impact of KVK activities (Not restricted for reporting period).

Name of specific technology/skill	No. of	% of adoption	Change in	income (Rs.)
transferred	participants		Before	After (Rs./Unit)
			(Rs./Unit)	
Use of green manure crops(diancha,	150	45	Net profit:	Net profit:
sunhemp) in paddy			23000/ha	38000/ha
Seed treatment (Fungicides) in paddy				
Bio-fertilizer application in paddy				
Lime application in paddy				
Micronutrient application(Zn, B)				
Rhizome rot management in ginger	50	85	Net profit:	Net profit:
			275000/ha	450000/ha
Heart rot management in pineapple	35	60	Net profit:	Net profit:
			615000/ha	425000/ha

12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)

• Modified PG protocol for management of repeat breeding in cows

The technology was transferred through front line demonstration during 2017-18 and 2018-19, to the cows which are not conceiving even after 3 consecutive inseminations. The technology involves correction of nutritional deficiency by supplementation of multivitamin and minerals with heat synchronization by double dose of Prostaglandin and fixed inseminations with a dose of GnRH. This has resulted in increased conception rate to the tune of 85% in single insemination and getting a calf a year, increase milk yield by 40% and cost reduction to the tune of 17%. This technology is adapted to 50 % of affected population by field Veterinary Doctors, Artificial Insemination workers and veterinary livestock inspectors.



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

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
IINRG Ranchi	Projects
ASCI	Skill Trainings
State Dept. of Agriculture	Trainings, demonstrations, seminars and field days, ATMA
State Dept. of Horticulture	Training programmes, demonstrations, seminars and field
	days, soil testing, CHD Scheme
Department of Women and Child Development	Primary data collection on women and children
Thotagar's Service Soceity, Sirsi	Trainings, input procurement, seminars.
State Dept. of Animal husbandry & Veterinary Sciences	Animal Health Camps, trainings.
Grameen Banks	Guidance to beneficiaries about schemes in Trainings
Water shed department	Trainings.
All India Radio, E-TV, Udaya, Chetan TV and Door	Publicity and transfer of technology
Darshan	
Kadamba charitable trust, Sirsi	Trainings, method demonstration, meetings, Seminars.
Kadamba Marketing & Co-operative Society, Sirsi	Trainings, Melas, SHGs, Marketing
Snehakunja Charitable Trust, Honnavar	Training & method demonstration.
Farmers clubs	Trainings, demonstrations, seminars and field days.
Sri Kshetra Dhrmastala Grameenabhivrudhi Yojane	Seminar, Field day.
(SKDRDP)	
SRIJAN NGO	Trainings and Field Visit and Field days
MANU VIKAS NGO	Field days and Field visits
Canarabank Deshpande Rudeset , Haliyal	Trainings, field visits, meetings
Jnana Joythi Financial Literacy Centre, Sirsi	Trainings
The Agricultural Service and Development Cooperative	Trainings, Services(supply of inputs)
Society Ltd.	
GGSSS, Ltd Nanikatta, Siddapur tq.	Trainings, FLDs, Method demos
Madhukeshwar FPO, Banavasi	Technical backstopping
Pragati FPO, Banavasi	Technical backstopping
Karnataka Forest Department	Trainings, Field visits
KMF	Trainings, Demonstrations
Department of Women and Child Development	Primary data collection on women and children
RUDSETI	Organizing training programmes for women SHG's,
Line departments(Fisheries, Dept. of Animal Husbandry)	Organizing training programmes, income generating
	activities for women for women, participation as recourse
	person
BAIF, Institute for rural development	Trainings, field day, field visit, workshop

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: Bioefficacy and	2 seasons (Rabi	ISK Biosciences India	1,41,600 (R) +2,00,600	
phytotoxicity of IKI 3106 80 SL against	2018 and Kharif	Pvt. Ltd., New Delhi	(K)	
insect pests on Rice (as PI)	2019)			
KVK Sirsi as Voluntary /cooperating center	December, 2018	ICAR, New Delhi	5,50,000.00(2018-19)	
for ICAR funded Network project on		IINRG Ranchi		
Conservation of Lac genetic resources (as PI)				
Studies on wilting of Mangroove plantations	February 2019	KFD, Honnavar	2,50,000.00	
of Honnavar forest division(as PI)				
Evaluation and Assessment of Traditional and	June, 2018	National Innovation	13,20,000.00	
Farmer's rice varieties in Karnataka (as Co-		Foundation,		
PI)		Gandhinagar		

Staff Research Project (UASD): Status of	August 2018	UAS Dharwad	1,00,000.00
physical and mental health of women labours			
working in wakaries			
Staff Research Project: Study of flowering	2017-18	UAS, Dharwad	1,25,000.00
behavior and standardization of soft wood			
cutting propagation technique in Jasmine			
(Jasminum sambac var Bhatkal Jasmine)			

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S.	n	D // 1	No. of programmes	No. of programmes	Other remarks (if
No.	Programme	Particulars	attended by KVK staff	Organized by KVK	any)
01	Meetings	1.Discussion meeting on implementation of ATMA programme 2018-19 on 22.9.18 2.District level meeting on demos to be conducted under ATMA on 12.07.18	02	Nil	1.Discussion meeting on implementation of ATMA programme 2018-19 on 22.9.18 2.District level meeting on demos to be conducted under ATMA on 12.07.18
02	Research projects Studies on Agronomic aspects of Teff crop. Funded under ATMA Outlay 3.0 lakhs		-	-	-
03	Training programmes	Technical information in horticultural/Agricultural crops	16	01	Organized district level Scientist- Farmer Interaction Meet at KVK Sirsi
04	Demonstrations	Seed treatment in Paddy at Mundagod Safe handling of pesticides at Mogadde and Tenkanakeri	02	-	-
05	Extension Programmes Kisan Mela Technology Week Exposure visit				
	Exhibition Exhibition				
	Soil health camps	Soil health camp at Bairumbe	10	01	World Soil Health Day in association with ATMA Sirsi
	Animal Health Campaigns				
06	Diagnostic Field Visits	Daignostic FV	13		
06	Publications Video Films				
	Books				

	Extension	Extension folder - on Role of Pheromone traps in		
	Literature	management of YSB in		
		Paddy, 2018-19, 1500 copies 2. Extension folder -		
		Production technology of		
		Azolla - as an animal feed,		
		2018-19, 1500 copies		
		3. Extension Folder: Fall Army Worm, Copies: 3000		
	Pamphlets	, , ,		
	Others (Pl.			
	specify)			
	Other Activities	Member in selection of		
	Corporate	District & Taluka Level		
07	Activities	Best Farmer Awards	15	
	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	CSS-MIDH	Production of planting material and training programme	1,60,000.00	1,58,070.00	Nil

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
				period in resi	

13G. Kisan Mobile Advisory Services

Month	Message			SMS/voic	e calls sent (N	(o.)		Total	Farmers
	type (Text/Voice)	Crop	Livestock	Weather	Marketing	Awareness	Other enterprises	SMS/Voice calls sent (No.)	benefitted (No.)
April 2018	Text	01	0	04	0	0	0	5	10192
May	Text	01	0	04	0	01	0	6	10265
June	Text	02	0	04	0	0	0	6	10265
July	Text	05	0	05	0	0	01	11	10295
August	Text	03	0	03	0	0	01	7	9046
September	Text	0	0	02	0	01	01	4	9056
October	Text	03	0	03	0	0	02	8	10300
November	Text	0	0	06	0	0	0	6	9455
December	Text	0	0	03	0	0	0	3	9031
January 2019	Text	06	0	03	0	01	0	10	10272
February	Text	01	0	04	0	02	01	8	10272
March	Text	01	0	04	0	0	01	6	10296
Total		23	0	45	0	5	7	80	

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

14A. Performance of demonstration units (other than instructional farm): NIL

S 1	Demo	Year of	Area	Details of production			Amoun			
	No.	Unit	establishment	(ha)	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks

14B. Performance of instructional farm (Crops) including seed production

				Details	s of product	ion	Amou	nt (Rs.)	
Name of the crop	Date of sowing	Date of harvest	Area (ha)	Variety	Type of Produce	Qty.	Cost of inputs (Rs.)	Gross income (Rs.)	Remarks
Cereals									
Paddy	25/6/2018	2/12/2018	3.6	Abhilash	Seed	135 q			
Pulses									
Blackgram	25/3/2018	28/6/2018	1.2	DU-1	Seed	1q			Stagnation of Water
Oilseeds									
Fibers									
Spices & Planta	tion crops								
Arecanut	-	2/1/2019	0.8	SAS-1		35 q	30,000	1,30,000	
Floriculture									
Fruits									
Cashew		22/3/2019	1			50 kg		3,500	
Sapota		23/3/2019				150 kg		3,900	
Vegetables									

14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl.	Name of the	Name of the		Amou	D 1	
No.	Product	Qty	Cost of inputs Gross income		Remarks	

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

	Name	De	Details of production			nt (Rs.)	
Sl. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
01	Cows	Crossbred	Milk	6789 1	1,41,026	1,69,731.25	

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)
April 2018	3	3	
May	5	5	
June	5	4	
July	4	4	
August	5	5	
September	4	4	
October	3	3	
November	4	7	
December	6	8	
January 2019	17	56	
February	5	5	
March	3	3	

14F. Database management

S.No	Database target	Database created
01		Trainings
02		FLD Details
03		OFT Details
04		Field Visits
05		Method Demonstrations
06		Farmer Visits to KVK
07		Phone Calls
08		Seminars/Workshops Organized
09		Seminars/Trainings/Workshops
		attended
10		Special Programmes
11		KMAS
12		Guest Lectures
13		Field Days
14		Electronic Media
15		Publications
16		Seeds/Planting Material

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

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

PART XV - FINANCIAL PERFORMANCE

15A. Details of KVK Bank accounts

Bank accoun	Name of the	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
t	bank						
With							
Host							
Institute							
With	SBI,	SIRSI	917	Programme Coordinator,	30157809532	581002401	SBIN000091
KVK	Sirsi			KVK UK			7
		SIRSI	917	KVK Revolving Fund	10816617558		
		SIRSI	917	Group Leader, UAS Diary	10816629030		
		SIRSI	917	EXTN.LEADER,EXTN.EDU	10816617296		
				TN.UNIT			
Current		SIRSI	917	Programme Coordinator	36527784252		
A/c				KVK			
NO.							

15B. Utilization of KVK funds during the year 2018-2019(Rs. in lakh)

15B. Utilization of KVK funds during the year 2018-2019(Rs. in lakh)							
S. No.	Particulars	Sanctioned	Released	Expenditure			
A. Recurring Contingencies							
1	Pay & Allowances	108.12	108.12	90.75			
2	Traveling allowances	2.75	2.75	2.52			
3	Contingencies						
A	Stationery, telephone, postage and other expenditure on						
	office running, publication of Newsletter and library	2.35	2.35	2.24			
В	maintenance (Purchase of News Paper & Magazines) POL, repair of vehicles, tractor and equipments						
C		2.30	2.30	2.30			
C	Rs.40/day/trainee be maintained)	1.00	1.00	0.96			
D	Training material (posters, charts, demonstration material						
	including chemicals etc. required for conducting the	0.50	0.70				
-	training)	0.50	0.50	0.49			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.03	3.03	2.90			
F	On farm testing (on need based, location specific and	3.03	3.03	2.30			
	newly generated information in the major production						
	systems of the area)	0.58	0.58	0.30			
G	Training of extension functionaries	0.10	0.10	0.10			
H	Maintenance of buildings						
I	Establishment of Soil, Plant & Water Testing Laboratory	0.10	0.10	0.10			
J	Library	0.04	0.04	0.03			
K	ORD/EDP/Innv.Activities,Soil and water testing and issue						
	of Soil health cards	0.60	0.60	0.15			
L	Extension Activities	0.40	0.40	0.39			
	TOTAL (A)	121.87	121.87	103.24			
B. Non	-Recurring Contingencies		0.00	0.00			
1	Works	47.00	47.00	31.55			
2	Equipments including SWTL & Furniture						
3	Vehicle (Four wheeler/Two wheeler, please specify)						
4	Library (Purchase of assets like books & journals)						
TOTA		47.00	47.00	31.55			
C. RE	VOLVING FUND						
GRAN	D TOTAL (A+B+C)	168.87	168.87	134.78			

15C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2016 to March 2017	575405.52	1934128.50	1546874.00	962660.02
April 2017 to March 2018	962660.02	1068409.00	999962.00	1031107.02
April 2018 to March 2019	1031107.02	1561052.50	799870.50	1792305.02

16. 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 (Agril. Entomology)	International Conference on Doubling Farmers Income through Innovative Approaches	KVK Baramati (Pune)	9-11 April, 2018
Dr. Roopa S. Patil	Scientist (Agril. Entomology)	Management Development Programme on Management of training	MANAGE, Hyderabad	27-30, August, 2018
Dr. Roopa S. Patil	Scientist (Agril. Entomology)	Training of Trainers programme	GKVK, Bengaluru	24-29, Sept, 2018
Dr. Roopa S. Patil	Scientist (Agril. Entomology)	9th National Extension Education Congress-2018 on Climate Smart Agricultural Technologies; Innovations and Interventions	CAEPHT, Ranipool	15-17, Nov, 2018
Dr. Shweta Biradar	Scientist – Home Science	Jack conclave	COH, Kolar	1.06.2018 to 2.06.2018
Dr. Shweta Biradar	Scientist – Home Science	Participation and paper presentation in International Conference on Doubling the Income of Farmers of SAARC Countries: Extension Strategies and Approaches	Department of Agriculture, Agriculture Information and Training Center. Kathmandu Nepal	20.09.2018 to 23.09.2018
Dr. Shweta Biradar	Scientist – Home Science	9th Extension Education Congress "Climate Smart Agricultural Technologies Innovations and Interventions"	Central Agricultural University, Imphal - College of Agricultural Engineering and Post Harvest Technology, Ranipool, Sikkim	15.11.2018 to 17.11.2018
Dr. Shweta Biradar	Scientist – Home Science	Doubling Farmers Income: A Family Approach	UASD	16.01.2019 to 05.02.2018
Dr. Santosh H M	Scientist (Horticulture)	ASCI Training of Trainers programme	GKVK UAS Bengaluru	24. 9. 2018 to 26. 9. 2018
Dr. Santosh H M	Scientist (Horticulture)	9 National Extension Education Congress, 2018	CAU, Imphal	15.11.2018 to 17.11.2018
Dr. Santosh H M	Scientist (Horticulture)	CAFT training on 'Conservation and utilization of plant genetic resources in medicinal and aromatic plants'	COH,Sirsi	03.12.2018- 23.12.2018
Smt Annapurna F Neeralgi	Technical Officer(Computers)	9th Extension Education Congress "Climate Smart Agricultural Technologies Innovations and Interventions"	Central Agricultural University, Imphal - College of Agricultural Engineering and Post Harvest Technology, Ranipool, Sikkim	15.11.2018 to 17.11.2018
Smt Annapurna F Neeralgi	Technical Officer(Computers)	PFMS	UAS Dharwad	10.01.2019
Smt Annapurna F Neeralgi	Technical Officer(Computers)	PFMS	UAS Dharwad	19.02.2019 to 20.02.2019

17. Please include any other important and relevant information which has not been reflected above (write in detail).:

I. Linkage with FPO under CHD scheme of Dept. of Horticulture

Name and address of FPO:

Madhukeshwar Totagarike Raita Utpadakar Company Ltd., Andagi, Tq: Sirsi.

Date of Estashlishment : 09.03.2016 **No. of Members** : 1000

Major Crops : Banana, Ginger, Pineapple

Different Activities conducted:

	FLDs Under FPO					
1	Heart rot management in Pineapple	1 ha	10demos			
2	Rhizome rot management in Ginger	1 ha	10 demos			
3	Demonstration of bunch care technologies to maximize yield in banana	1 ha	12 demos			

Field Visits : 15 Trainings : 03 Method Demonstration : 03

Interstate Exposure visit to Mysore(Raita Mitra FPO) and Udagamandalam was organized for

50 FPO members

Results of FLDs conducted:

1. Title of the Technology: Heart rot management in Pineapple

Particulars	Demo	Check
Percent disease Incidence of Heart rot (PDI)	4.25	5.20
Yield (tons/ha)	82.61	73.69
B:C ratio	2.65	2.44
% increase in yield :10.79		

2. Title of the Technology: Rhizome rot management in Ginger

Particulars	Demo	Check
Incidence of rhizome rot (%)	11.74	19.71
Yield (tons/ha)	27.45	23.19
B:C ratio	3.41	3.12
% increase in yield :15.51		

3. Title of the Technology: Rhizome rot management in Ginger

Particulars	Demo	Check
Days to harvest	378.1	392.2
Weight of Bunch (Kg)	15.27	12.35
Finger length (cm)	9.32	8.80
Finger girth (cm)	9.15	8.23
Yield (t/ha)	34.58	27.97
B:C ratio	2.59	2.30
% increase in yield :19.11	·	

II. Introduction New Crop "TEFF:

As per the suggestion of Shri. Anant Kumar Hegde, Hon'ble Central Minister for Skill Development, Teff Super Food crop is introduced in Uttara Kannada District during Kharif 2018-19. The CFTRI technology was demonstrated in 2 guntas through the feeler trial in farmers field at Kapageri village of Sirsi Taluka. The farmer harvest 4 kg teff seeds from 20 gram seeds. The produced seeds were re distributed to farmers of Haliyal, Sirsi Talukas through ATMA Research project for further research. Shri. Anant Kumar Hegde, Hon'ble Central Minister appreciated the efforts of KVK Uttara Kannada in introduction of valuable crop in the district and has given assurance for providing the market linkage for the produce.

III. Up scaling and Marketing of Garments in EDP Mode:

Organizer: Dr. Shweta Biradar, Scintist Home Science

Village : Kumta

Participants: 27 SHG Members (2 SHGs)
Collaborative Agency: RUDSETI, Kumta

Product Prepared: Saree blouse, Salwar Kameez, Designer blouses, Designer Sarees.

Out come

• Very promising with the stellar percentage of 100.

• All the 27 trainees are up scaled with tailoring and embroidery skill.

- 12 women have taken up tailoring as their enterprise along with their domestic activities and earning on an average Rs. 1500/- to Rs. 2000/- per month.
- Remaining 15 women stitch the garments for themselves and their family members. Yet they are planning to take up their skill as an entrepreneurship

