

KRISHI VIGYAN KENDRA BRAHMAVAR, UDUPI DISTRICT

ANNUAL REPORT-2020

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

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra Zonal Agricultural & Horticultural Research Station Brahmavar	0820-2563923	0820-2561011	kvk.Udupi@icar.gov.in kvkudupi@gmail.com udupikvk@gmail.com kvkudupiicar@uahs.edu.in	http://kvkud.uahs.edu.in

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences, Shivamogga	Ph: 08182267001	08182298008	vcuahss2014@gmail.com	http://www.uahs.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Dhananjaya B	9448950250	9480838202	kvkudupi@gmail.com udupikvk@gmail.com

1.4. Year of sanction: 2001

1.6. Total land with KVK (in ha): 20 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	4.0
3.	Under Crops	13.0
4.	Orchard/Agro-forestry	-
5.	Others	2.6

1.7. Infrastructural Development:**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	10.10.2012	550	8500000			
2.	Farmers Hostel	ICAR	17.04.2002	720	4653768			
3.	Staff Quarters		Not yet sanctioned					
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units	UAHS		7 acres	3.5 lakhs	February 2018	7 acres	Completed
	1							
	2							
	3							
	4							
5	Fencing							
6	Rain Water harvesting system				Nil			
7	Threshing floor				Nil			
8	Farm godown				Nil			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Honda Activa	04.06.2009	49915		Not working
TVS victor	22.09.2004	-		Not working
Mahindra Bolero (SLE 2WD)	09.06.2017	665564	80858	Working
Tractor	18.03.2002	268250		Not working

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Akeshiya wodden cot	2020	64064	Good
Mosquito stand full frame with metal	2020	15428	Good
Granite top table	2020	76000	Good
EG Chair ss /80455 p	2020	33898	Good
Kent max with bowele gitter	2020	8950	Good

1.8. Details of SAC meeting conducted during 2020

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
14.12.2020	66	<ul style="list-style-type: none"> Revolving fund should be increased Big cement boards should be installed at the entrance of DFI villages/adopted villages Covid-19 activities should be sent to ICAR & ATARI newsletter along with University newsletter 	Revolving fund will be increased by increasing the number of nursery activities. Number of arecanut seedlings was increased from 10000 to 15000. One batch of poultry chicks was brought to KVK for rearing and distributing to farmers.	
		<ul style="list-style-type: none"> Bi-monthly and tri –monthly meetings should be completed in particular period or season Need based hiring of Veterinary Doctor to KVK for conducting health camps, artificial inseminations Before pre-action and action plan, discussion should be done with concerned scientists of ZAHRS, ADR 	We have written letter to DDH, Udupi for conducting Tri-monthly meeting, it was noticed that they did not receive budget for this year due to COVID-19. Veterinary doctors will be availed by hire basis as per the suggestion by SAC meeting. Pre action plan will be	

		<p>and ADE</p> <ul style="list-style-type: none"> • Under PKVY traditional practices such as land races, local technologies adopted in that particular place should be documented. 	<p>organized including ADR, ZAHRS, Brahmavar for formalizing the action plan of KVK, Udupi. Traditional practices of PKVY village was recorded through arranging focused group discussion meeting organized at Sanoor on 9.1.2021.</p>	
		<ul style="list-style-type: none"> • Local crop varieties, land preparation, seed storage, seed treatment etc., knowledge of farmers integrated together and taken as paramparagatha • Objectives, preambles made by government of India should be taken into consideration for PKVY 	<p>A farmer named Abubakkar is cultivating 106 paddy varieties it will be extended to all the PKVY farmers in the village. As per the objectives of GOI PKVY was planned.</p>	
		<ul style="list-style-type: none"> • Impact of Soil acidity works since 8 years. • Submit the impact assessment report to DE and ATARI • Output of the demonstration or training - after the training how many have taken it as a profession • How the problematic acidic soil study is addressed by KVK in holistic approach 	<p>Fertilizer use efficiency was increased and it enhance the crop growth and yields were increased</p> <p>After the awareness programme and demonstration on soil acidity 30% of the total farming community has taken up liming in form of reclamation.</p> <p>Soil acidity problem is being addressed through soil test and lime recommendation to all the farmers who came for soil testing. All the FLDs and OFTs are taken on soil test basis only. Information related reclamation of soil acidity is imparted in all the training programmes which is conducted by KVK</p>	
		<ul style="list-style-type: none"> • Success stories should be sent ICAR newsletter • Details of FOCT training and profit earned by the farmers should be sent to ATARI 	<p>Success stories with respect to different enterprises has been compiled in Kannada language. The same will be translated to English and will be sent to ATARI</p>	
		<ul style="list-style-type: none"> • Impact on Research by KVK work should be published in ICAR journals • KVK work should be in documentation mode 	<p>SS&H</p>	

		<ul style="list-style-type: none"> • Mushroom spawn incubation unit can be taken at KVK premises in collaboration with KSDH, Udupi to meet out the demand for mushroom spawn • Try to make publications in reputed journals 	<p>In this regard Mr Ravi from Thellar village has been contacted to take up incubation on mushroom spawn at KVK, Udupi</p> <p>One paper on Udupi Jasmine has been published in scopus indexed journal Ecology, Environment and Conservation</p>	
		<ul style="list-style-type: none"> • Send success stories of organic farming waste decomposer to ATARI newsletter, Salvinia molesta weed management, add all these information to KVK award • Send information on yellow algae to ATARI newsletter and also include in KVK award report 	Will be sent shortly	
		<ul style="list-style-type: none"> • Capitalize for KVK award, consult Dr.Prabhukumar and team for improvisation before applying for KVK Award 	As per the suggestion we have attended the KVK award presentation before Dr. Prabhu Kumar and Principal Scientist of ATARI, Bengaluru. Individual Scientist award was selected and KVK award will be applied in next year.	
		<ul style="list-style-type: none"> • Success story of Mr.Mahesh Hebbar, a progressive fish farmer, to be sent to ATARI newsletter and KVK award 	Success story of Mr Mahesh Hebbar sent	

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.	Agriculture
2.	Horticulture
3.	Fisheries and Dairy Farming

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

S. No	Agro-climatic Zone	Characteristics
1.	Coastal zone-10	Laterite soil, heavy rainfall of 4000 mm/annum, both hilly and plain land area
S. No	Agro ecological situation	Characteristics

S. No	Agro ecological situation	Characteristics
1.	Coastal zone	Heavy rainfall, hot humid climatic condition

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Laterite soil	Strongly acidic, light textured, low water holding soils with medium available nitrogen, high phosphorus and low potassium status	3 lakh ha.

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Paddy	49543	224290	3918
2	Cashew	19496	38999	2000
3	Coconut	17815	26.72 Lakh nuts	15000 (nuts/ha)
4	Arecanut	7847	13732	1750
5	Blackgram	3524	1676	475
6	Banana	1463	3016	2062
7	Groundnut	2050	4265	2256
8	Vegetable crops	1210	22304	18433
9	Black pepper	421	168.40	400
10	Sesamum	268	625	212

* Please provide latest data from authorized sources. Please quote the source

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
January				
January	0	33.0	19.6	89.5
February	0	33.6	19.8	89.8
March	2.8	34.4	22.6	89.2
April	34.8	35.1	24.4	87.2
May	102.3	34.3	23.8	88.9
June	968.1	30.6	21.3	94.5
July	1295.1	30.0	22.7	96.2
August	1080.8	29.4	22.4	96.1
September	1140.1	29.8	22.3	96.0
October	362.2	30.5	21.9	94.2
November	2.8	34.2	21.2	88.2
December	29.2	33.6	20.6	82.5
Total/Mean	5018.2	32.38	21.88	91.02

* Please provide latest data from authorized sources. Please quote the source

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	77344		
<i>Indigenous</i>	238393		
Buffalo	26610		
Sheep			
<i>Crossbred</i>			
<i>Indigenous</i>	59		
Goats	2732		
Pigs			
<i>Crossbred</i>	314		
<i>Indigenous</i>	776		
Rabbits	186		

Poultry		589412	
Hens			
<i>Desi</i>			
<i>Improved</i>			
Ducks			
Turkey and others			
Category	Area	Production	Productivity
Fish			
<i>Marine</i>		98550	
<i>Inland</i>		1831	
Prawn			
Scampi			
Shrimp		1831	

* Please provide latest data from authorized sources. Please quote the source

2.7 District profile maintained in the KVK has been **Updated** for 2020: Yes / No: Yes

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Byndoor	Byndoor	Heranjalu	8	Groundnut	Lack of knowledge on Nano fertilizers and its usage and Low fertilizer use efficiency	Integrated Nutrient Management
2	Brahmavar	Brahmavar	Heggunje, Mandarthi	10	Compost	Non availability of Suitable aerobic compost culture for decomposition the farm wastes or bulky organic wastes.	Farm waste management
3	Brahmavar	Brahmavar	Heggunje	6 years	Coconut	It is an Invasive pest and there is no package of practice for management of the pest	Integrated pest management
4	Brahmavar	Brahmavar	Mandarthi	1 year	Fish	Slow growth of locally available species and lack of fast growing	Production and management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						variety	
5	Hebri	Hebri	Kalthoor, Santhekatte	1	Areca nut	Shortage of labours specially for climbing and harvesting of Areca nut, Climbing Trees without any safety device may lead to accidents specially for the learners, Confidence level of trainees were low.	Introduction of climbing device with safety belt
6	Byndoor	Byndoor	Heranjalu	8	Paddy	High cost of cultivation and labour scarcity, high labour cost, high cost of cultivation, erratic rainfall, weed problem, low yield	Resource conservation technology
7	Karkala	Karkala	Shirlalu	5	Red rice paddy	Low yield, Susceptible to pests and diseases and submergence, age old variety, flood, Submergence of water for 15 days, pest and diseases, low yield	Variety introduction
8	Hebri	Hebri	Kutyaru	1	Ragi	Need of alternate crop along with fodder	Residual moisture utilization
9	Karkala	Ajekar	Shirlalu	2 years	Paddy	Heavy rainfall resulting in leaching of cations (calcium & magnesium), Iron and Aluminium toxicity leading to severe soil acidity, Low fertilizer use efficiency and reduced root growth, Less tillering capacity and low yield	Reclamation of problematic soils
10	Karkala	Ajekar	Shirlalu		Spinegourd	Varieties cultivated are low yielding	Integrated crop management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				3 years		Lack knowledge about scientific cultivation, Not yet commercially exploited, restricted only for kitchen garden	
11	Karkala	Ajekar	Shirlalu	3 years	Brinjal	Un scientific method of raising nursery, High transplanting shock and poor crop establishment, Soil borne diseases,	Integrated crop management
12	Brahmavar	Brahmavar	Heggunje	1 year	Udupi Jasmine	Low yield during off season High incidence of sucking pest	Integrated crop management
13	Karkala	Ajekar	Shirlalu	1 year	Black pepper	Imbalanced use of nutrients leads to Low productivity in Black pepper, Black pepper is susceptible to diseases (wilt) and pest due to lack of potassium in soil, Pepper growing soils of Udupi district are low in potassium (soil test values of KVK).	Integrated Nutrient Management
14	Hebri	Santhekatte	Kalthur	5 years	Black pepper	High incidence of Quick wilt, Not removing affected vines, poor drainage, low yield	Integrated disease management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
15	Karkala	Ajekar	Shirlalu	1 year	Arecanut	Deficiency of potassium in arecanut growing areas (soil test values), Premature nut dropping and nut splitting, Arecanut is susceptible to major diseases (koleroga) and pests due to imbalanced nutrition	Integrated Nutrient Management
16	Karkala	Ajekar	Shirlalu	4 years	Arecanut	Root grub infestation in low lying paddy areas converted to Arecanut plantation, Improper Nutrient management Conversion of paddy field to Arecanut, Non practice of IPM strategies, Poor drainage, Root grub infestation	Integrated pest management
17	Brahmavar	Brahmavar	Mandarathi	1year	Coconut	Deficiency of major nutrients in coconut growing areas (soil test values), Premature nut dropping due to lack of potassium, coconut is susceptible to major diseases and pests due to imbalanced nutrition	Integrated Nutrient management
18	Byndoor	Byndoor	Heranjalu	6 years	Watermelon	Severity of sucking pests, fruitfly and red pumpkin beetle	Integrated pest and disease management

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						infestation, Severity of fusarium wilt and stem blight incidence	
19	Byndoor	Byndoor	Heranjalu	1	Groundnut	Labour Shortage and other hand high labour cost, District has small land holdings/Fragmented land, In coastal Karnataka the number of power tiller is more than 2000 which is only used for tilling operation in wet land, High Cost of Operation	Introduction of power operated seed drill for groundnut cultivation
20	Brahmavar	Brahmavar	Kukkehalli	1	Fish	Non availability of seeds in required quantity and size at right time for the culture of IMC	Production and management

2.8 Details of Benchmark Information collected from DFI villages

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
1.	Hebri	Hebri	Kalthur Santhekatte	Rajesh Poojary	1142916	529920	612996
2.				Thopa Poojary	531000	327360	203640
3.				Mahabala Naik	1084800	272400	812400
4.				Sanjeeva Sherigar	322800	204960	117840
5.				Umakanth kamath	897810	479400	418410

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
6.				Annayya Naik	429600	204000	225600
7.				Krishna Naik	226800	177000	49800
8.				Sanjeeva Sherigar	322800	204960	117840
9.				Uday	284400	191400	93000
10.				Parvathamma	165600	120600	45000
11.				Yashodha Poojary	192950	139800	53150
12.				Ravi Kumar	297360	207600	89760
13.				Shankar Naik	461880	261000	200880
14.				Anand Ugrani	360000	222000	138000
15.				Sadashiva Shetty	696600	401520	295080
16.				K S Hegde	750960	402000	348960
17.				Sadashiva Shetty	605040	389520	215520
18.				Sumithra	581880	364200	217680
19.				Geetha Jaya Shetty	559080	313200	245880
20.				Gopal Naik	421080	280200	140880
21.				Kusha Shetty	693240	379920	313320

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
22.				Govinda Naik	902520	510000	392520
23.				Sundar Shetty	740640	439800	300840
24.				Vasanthi Shetty	242400	177600	64800
25.				Gulabi Marakalthi	730320	399000	331320
26.				Shekar shetty	157200	122400	34800
27.				Appu Poojary	224640	142800	81840
28.				Monappa Hegde	558600	337800	220800
29.				Bhaskar Shetty	927600	516600	411000
30.				Susheela Shetty	966000	462600	503400
31.				Shekhar Shetty	694644	464400	230244
32.				Gopal Naik	334440	240720	93720
33.				Subbanna Shetty	297480	232200	65280
34.				Gulabi	280080	202800	77280
35.				Seena Naik	246000	171600	74400
36.				Chandra Poojary	474000	336600	137400

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
37.				Ravi Poojary	296640	206400	90240
38.				Shekar Shetty	606360	374400	231960
39.				Padmavathi	509400	305400	204000
40.				Sitharam Naik	720720	445200	275520
41.				Sharada bhayi	253800	183600	70200
42.				Ganapathi Shetty	1040160	480000	560160
43.				Appu Naik	352080	231600	120480
44.				Ratnakar Shetty	297600	202200	95400
45.				Sudhakar	447300	270600	176700
46.				Chandra Naik	252000	180600	71400
47.				Jagannath Naik	370440	264600	105840
48.				Sadananda Naik	1422072	717000	705072
49.				Amitha	320400	213000	107400
50.				Chittaranjan Hegde	501000	270360	230640

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
51.	Karkala	Ajekar	Shirlal	Dhananjay Jain	231600	99396	132204
52.				Narayana Shetty	259200	164400	94800
53.				Sunil Poojary	872400	440400	432000
54.				Sundar Poojary	1198560	496200	702360
55.				Vanaja	402912	227160	175752
56.				Dharmaraj Jain	584760	295800	288960
57.				Dinaraj Hegde	691200	351000	340200
58.				Suresh Gowda	369720	238200	131520
59.				Padmaraj Hegde	916200	402000	514200
60.				Raju Poojary	415800	224400	191400
61.				Namyraj Hegde	1728120	795600	932520
62.				K Chandraraj Indra	282960	182400	100560
63.				Arun Prasad	1749600	789600	960000
64.				Gopal Naik	225000	149040	75960
65.				Gunapal Hegde	1407000	1116720	290280

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
66.				Prakash Jain	641520	321600	319920
67.				Vasanthi Shetty	445200	194400	250800
68.				Upendra Bhaghav	756756	352200	404556
69.				Linga Poojary	343800	216600	127200
70.				Susheela Shetty	150000	50400	99600
71.				Umanath Bandodkar	1454400	525600	928800
72.				Ravindra	1733796	711600	1022196
73.				Jayakara Poojary	575160	348000	227160
74.				Gunakara Poojary	2058000	752400	1305600
75.				Rama Devadiga	1130280	576000	554280
76.				Vanaja Shetty	188640	117600	71040
77.				Vasantha Poojary	495720	279600	216120
78.				Dinesh Shetty	1068360	574800	493560
79.				Mohanndas Shetty	550800	291600	259200
80.				Ganesh Bhat	1616460	797400	819060
81.				Sundari Poojarthi	445920	236400	209520

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
82.				Shishupal Jain	441000	246840	194160
83.				Boggu	669600	359400	310200
84.				Krishna Poojary	931560	543000	388560
85.				Namiraj Jain	520320	304200	216120
86.				Dayananda Nayak	1104360	547800	556560
87.				Shekhar Shetty	1509600	661800	847800
88.				Deju Shetty	477360	250800	226560
89.				Sanjeeva Prabhu	540600	290400	250200
90.				Meenakshi Poojary	486360	312480	173880
91.				Prakash Shetty	617556	333000	284556
92.				Krishna Shetty	618960	347400	271560
93.				Susheela Shetty	360720	234600	126120
94.				Krishna Naik	378000	232800	145200
95.				Niranjan Devadiga	477480	233400	244080
96.				Gopal Shetty	752280	384600	367680

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
97.				Raju Poojary	333000	193200	139800
98.				Ratnavarma Jain	752880	407520	345360
99.				Pilla Saheb	379512	261000	118512
100.				Gopal Shetty	506436	289800	216636
101.	Brahmavar	Mandarathi	Mandarathi	Rama Marakala	165000	103596	61404
102.				Narayana Naik	1097760	532800	564960
103.				Bhoja Poojary	609000	201000	408000
104.				Raghava Shetty	725640	386400	339240
105.				Narasimha Naik	378000	228000	150000
106.				Vanaja Shetty	218400	115800	102600
107.				Manjunatha	234000	198000	36000
108.				Narayana Marakala	336000	211200	124800
109.				Jagannath Marakala	294000	171600	122400
110.				Narayana Shetty	301200	154320	146880
111.				Manjunath Hegde	228000	164400	63600
112.				Tharanatha Shetty	598200	224400	373800

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
113.				Nagaraj Devadiga	169200	128400	40800
114.				Sudhakar Shetty	2037000	836400	1200600
115.				Sanjeeva Poojary	375600	234720	140880
116.				Rajeev Poojary	384720	170400	214320
117.				Shashidhar Suvarna	226800	157200	69600
118.				Harish Suvarna	261600	178800	82800
119.				Bhavi Marakalthi	133200	85200	48000
120.				Rama Kundar	114000	95400	18600
121.				Basava Marakala	150000	104400	45600
122.				Yashodha	439200	168000	271200
123.				Ramana Shetty	142800	89400	53400
124.				Govinda	361200	208800	152400
125.				Parvathi	296400	166800	129600
126.				Narasimha	534000	267600	266400
127.				Raghuram Kotari	498000	325200	172800
128.				Nagu Marakalthi	200400	138000	62400

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
129.				Shekar Murukada	2508000	1212000	1296000
130.				Raghavendra Bhat	402000	169200	232800
131.				Babi Poojary	157200	119640	37560
132.				Shivaram Rao	448800	183000	265800
133.				Gowri	165600	121800	43800
134.				Annappa Marakala	240000	174000	66000
135.				Uday Servegar	493200	263400	229800
136.				Bhaskar Shetty	498000	264000	234000
137.				Shankar Ganiga	158400	123600	34800
138.				Ganapa Mogaveera	234960	160200	74760
139.				Kathananda	282000	170760	111240
140.				Babu poojary	417360	256800	160560
141.				Kushal Poojary	348000	184800	163200
142.				Lakshmi	372000	226800	145200
143.				Sheenu Naik	238200	212400	25800
144.				Babi	244800	166560	78240

Sl.No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
145.				Narasimha Naik	144000	98400	45600
146.				Satish	350040	166800	183240
147.				Sumathi Shetty	624000	334200	289800
148.				Raghuveer Kini	712800	324600	388200
149.				Shambu Shankara Rao	1073580	369408	704172
150.				Sanku Marakala	121200	106800	14400

2.10 Priority thrust areas

S. No	Thrust area
1.	Salvenia (Antargange) weed management in low lying paddy areas
2.	Spiraling white fly menace in coconut
3.	Acidic soils
4.	Bud necrosis virus in watermelon
5.	Root grub in Arecanut
6.	Labour scarcity
7.	Imbalanced nutrient management and leaching loss of nutrients
8.	Pest and disease problems
9.	Alternate Paddy variety for MO-4 (Kharif Season)
10.	Alternate Red Rice variety for Rabi season

11.	Short duration Red Rice variety for Kharif season for contingent crop plan
12.	Paddy variety suitable for DSR method of paddy sowing
13.	Paddy white backed plant hopper menace in rabi paddy
14.	Flood and salt tolerant paddy variety
15.	Red palm weevil menace in coconut and Arecanut (not able to control by the use of pheromone traps)
16.	Effective management practices for managing quick wilt in black pepper
17.	Yellow green algae in paddy
18.	Wild animal menace

PART III - TECHNICAL ACHIEVEMENTS (2020)**3.A. Target and Achievements of mandatory activities**

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
5	5	43	43	14	14	126	126

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes(No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
57	35	1655	1394	1100	941	69384	20935

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
0.5	0.3682	29800	12921

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Poultry – 5000	983		
Fish fingerlings	17500	-	0.9122

3.B1. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (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 bio products/agri inputs/per demo
1	Integrated Nutrient Management	Groundnut	Lack of knowledge on Nano fertilizers and its usage and Low fertilizer use efficiency	Assessment of Nano Fertilizer (N& Zn) on growth and yield of Groundnut	-	1	-	-	2	-	-	-	17:17:17 NPK-20 kg, Zinc 10% + Boron 0.3% = 2kg, Chloropyriphos 50%+Cyber 5%=250ml, Carbo+mancozeb=250g, IFFCO nano nitrogen and zinc-500 mm+250 mm
2	Farm waste management	Compost	Non availability of Suitable aerobic compost culture for decomposition the farm wastes or bulky organic wastes.	Assessment of Decomposing Cultures for compost preparation	-	1	-	-	2	-	-	-	Waste decomposer =5 bottle, madyam culture=5 kg, UAHS OMD culture = 5 kg, composting bag-1mtx1mtx1mt=2 Nos
3	Integrated pest management	Coconut	It is an Invasive pest and there is no package of practice for management of the pest	Assessment of Rugose Spiralling Whitefly in Coconut	-	2	-	-	4	-	-	-	<i>Isaria fumosorosea</i> 500 g/farmer
4	Production and management	Fish	Slow growth of locally available species and lack of fast growing variety	Assessment of Genetically Improved Rohu “Jayanti” with other carps in farm ponds	-	1	-	-	-	Jayanthi rohu seeds-4920	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				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 bio products/agri inputs/per demo	
5	Introduction of climbing device with safety belt	Arecanut	Shortage of labours specially for climbing and harvesting of Arecanut, Climbing Trees without any safety device may lead to accidents specially for the learners, Confidence level of trainees were low.	Assessment of climbing device for arecanut	-	-	-	-	-	-	-	-	-	-
6	Resource conservation technology	Paddy	High cost of cultivation and labour scarcity, high labour cost, high cost of cultivation, erratic rainfall, weed problem, low yield		DSR method of paddy cultivation in coastal region	1	-	-	2	-	-	-	-	Herbicide almix – 8 g, bispyribac sodium-100 g, 19:19:19 – 1kg, Chloropyriphos-20 EC, Carbendizim 100 g

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				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 bio products/agri inputs/per demo
7	Variety introduction	Red rice paddy	Low yield, Susceptible to pests and diseases and submergence, age old variety, flood, Submergence of water for 15 days, pest and diseases, low yield		Red rice variety (Shayadri Panchamuki) in low land situation of coastal zone during Kharif	2	-	-	2	Sahyadri Panchamuki seed 10kg/demo	-	-	19:19:19 WSF 1 kg, 13:0:45 WSF 1kg, Chloropyriphos 50 EC 500 ml+Mancozeb+ Carbendizem 250 g
8	Residual moisture utilization	Ragi	Need of alternate crop along with fodder		Ragi in paddy fallows of coastal region under residual moisture situation	1	-	-	1	Ragi ML-365 5 kg/demo	-	-	13:0:45 WSF 1kg, 0:0:52 1 kg, Carbendizim+mancozeb 250g, Chloropyriphos 50 EC 250 ml
9	Reclamation of problematic soils	Paddy	Heavy rainfall resulting in leaching of cations(calcium & magnesium), Iron and Aluminium toxicity leading to severe soil acidity, Low fertilizer use efficiency and reduced root growth, Less tillering capacity and low yield		Soil acidity management in paddy	1	-	-	3	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				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 bio products/agri inputs/per demo
10	Integrated crop management	Spinegourd	Varieties cultivated are low yielding Lack knowledge about scientific cultivation, Not yet commercially exploited, restricted only for kitchen garden		Spine gourd variety (ArkaNeelanchal)	01	-	-	05	-	500	-	SayadhriTrishool AMC 19 kg Fruit fly trap 10 No.s
11	Integrated Crop Management	Brinjal	Un scientific method of raising nursery, High transplanting shock and poor crop establishment, Soil borne diseases,		Wilt resistant grafted brinjal (Mattugulla)	01	-	-	03	-	1000	-	SayadhriTrishool AMC 30 kg WOTA traps 10 No.s (to control brinjal fruit and shoot borer)
12	Integrated crop management	Udupi Jasmine	Low yield during off season High incidence of sucking pest		ICM in Udupi Jasmine	01	-	-	05	-			SayadhriTrishool AMC 20 kg Secature 10 No.s

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				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 bio products/agri inputs/per demo
13	Integrated Nutrient Management	Black pepper	Imbalanced use of nutrients leads to Low productivity in Black pepper, Black pepper is susceptible to diseases (wilt) and pest due to lack of potassium in soil, Pepper growing soils of Udupi district are low in potassium (soil test values of KVK).		INM in black pepper	2	-	-	3	-	-	-	-
14	Integrated disease management	Black pepper	High incidence of Quick wilt, Not removing affected vines, poor drainage, low yield		Management of quick wilt in black pepper	2	-	-	4	-	-	-	Sahyadri Thrishool (Microbial Consortium) 20 kg/farmer <i>Trichoderma viridae</i> 10 kg/farmer

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				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 bio products/agri inputs/per demo
15	Integrated Nutrient Management	Arecanut	Deficiency of potassium in arecanut growing areas (soil test values), Premature nut dropping and nut splitting, Arecanut is susceptible to major diseases (koleroga) and pests due to imbalanced nutrition		INM in Arecanut	1	-	-	3	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				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 bio products/agri inputs/per demo	
16	Integrated pest management	Arecanut	Root grub infestation in low lying paddy areas converted to Arecanut plantation, Improper Nutrient management Conversion of paddy field to Arecanut, Non practice of IPM strategies, Poor drainage, Root grub infestation		Management of Arecanut root grubs through IPM practices	2	-	-	5	-	-	-	-	<i>Steinernema carpocapsae</i> 5 ltr /farmer <i>Metarhizium anisopliae</i> – 3kg/farmer

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				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 bio products/agri inputs/per demo
17	Integrated Nutrient management	Coconut	Deficiency of major nutrients in coconut growing areas (soil test values), Premature nut dropping due to lack of potassium, coconut is susceptible to major diseases and pests due to imbalanced nutrition		INM in coconut	1	-	-	2	-	-	-	-
18	Integrated pest and disease management	Watermelon	Severity of sucking pests, fruitfly and red pumpkin beetle infestation, Severity of fusarium wilt and stem blight incidence		IPDM in watermelon	1	1	-	4	-	-	-	Sahyadri Thrishool (Microbial Consortium) 5 kg/farmer <i>Trichoderma viridae</i> 5 kg/farmer

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				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 bio products/agri inputs/per demo	
19	Introduction of power operated seed drill for groundnut cultivation	Groundnut	Labour Shortage and other hand high labour cost, District has small land holdings/Fragmented land, In coastal Karnataka the number of power tiller is more than 2000 which is only used for tilling operation in wet land, High Cost of Operation		Power tiller operated seed drill for groundnut cultivation in coastal karnataka	-	-	-	-	-	-	-	-	-
20	Production and management	Fish	Non availability of seeds in required quantity and size at right time for the culture of IMC		IMC seed rearing in seasonal ponds	1	-	-	1	4 lakh fish spawn	-	-	-	

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Assessment of Nano Fertilizer (N& Zn) on growth and yield of Groundnut	UAS, Bangalore, IFFCO-NBRC, Gujarath	Groundnut	1	-	1	Field visit, Group discussion meetings, Method demonstration, Training programmes
2	Assessment of Decomposing Cultures for compost preparation	NCORF, Gaziabad, ICRISAT, Hyderabad, UAHS, Shivamogga	Compost	1	-	1	Field visit, Group discussion meetings, Method demonstration, Training programmes
3	Assessment of Rugose Spiralling Whitefly in Coconut	CPCRI, Kasargod ICAR-NBAIR, Bengaluru	Coconut	1	-	2	Field visit, Group discussion meetings, Method demonstration, Training programmes
4	Assessment of Genetically Improved Rohu “Jayanti” with other carps in farm ponds	UAS, Bangalore CIFA, Bhuvaneshwara KVAFSU, Bidar	Fish	1	-	1	Field visit, Group discussion meetings, Method demonstration, Training programmes
5	Assessment of climbing device for arecanut	TNAU, Coimbatore UAHS, Shivamogga	Arecanut	1	-	-	Field visit, Group discussion meetings, Method demonstration
6	DSR method of paddy cultivation in coastal region	UAS(R) - 2013	Paddy	-	1	2	Field visit, Group discussion meetings, Method demonstration
7	Red rice variety (Shayadri Panchamuki) in low land situation of coastal zone during Kharif	UAHS - 2019	Red rice paddy	-	1	1	Field visit, Group discussion meetings, Method demonstration

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
8	Ragi in paddy fallows of coastal region under residual moisture situation	UAS(B) - 2013	Ragi	-	1	1	Field visit, Group discussion meetings, Method demonstration
9	Soil acidity management in paddy	UAHS Shivamogga	Paddy	-	1	1	Field visit: 2 Method demonstration :1 Group discussion : 1
10	Spine gourd variety (ArkaNeelanchal)	IIHR, Bengaluru	Spinegourd	-	1	1	Field visit: 3 Method demonstration :2 Group discussion : 4
11	Wilt resistant grafted brinjal (Mattugulla)	KAU, Thrissur and IIHR, Bengaluru	Brinjal	-	1	1	Field visit: 2 Method demonstration :1 Group discussion :3
12	ICM in Udupi Jasmine	TNAU,Coimbatore	Udupi Jasmine	-	1	1	Field visit: 6 Method demonstration :3 Group discussion : 9
13	INM in black pepper	UAHS, Shivamogga	Black pepper	-	1	1	Field visit: 2 Method demonstration : Group discussion : 1
14	Management of quick wilt in black pepper	IISR Calicut, IIHR, Bengaluru	Black pepper	-	1	2	Field visit-3, Method demonstration-2, Trainings - 2
15	INM in Arecanut	UAHS, Shivamogga and KAU, Thrissur	Arecanut	-	1	1	Field visit-2, Method demonstration-1, Trainings - 1
16	Management of Arecanut root grubs through IPM practices	CPCRI, Kasargod & UAHS, Shivamogga	Arecanut	-	1	2	Field visit-2, Method demonstration-1, Trainings - 2

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
17	INM in coconut	UAHS, Shivamogga and TNAU Coimbatore	Coconut	-	1	1	Field visit-2, Method demonstration-1, Trainings - 1
18	IPDM in watermelon	IIHR, Bengaluru UHS, Bagalakote,	Watermelon	-	1	2	Field visit-4, Method demonstration-1, Trainings - 2
19	Power tiller operated seed drill for groundnut cultivation in coastal karnataka	UAHS(S) - 2016	Groundnut	-	1		Field visit, Group discussion meetings Method demonstration
20	EDP-IMC seed rearing in seasonal ponds	UAHS, Shivamogga	Fish			1	Field visit, Group discussion meetings Method demonstration Field day

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Specify)			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
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
39	4	-	-	97	15	10	4	935	459	-	-	-	-	-	-

PART IV - On Farm Trial(2020)**4.A1. Abstract on the number of technologies assessed in respect of crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management		1								
Varietal Evaluation	1									
Integrated Pest Management								1		
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Cropping Systems										
Farm Mechanization								1		
Mushroom cultivation										
others										
Total	1	1						2		4

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

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

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	Groundnut	Assessment of Nano fertilizers nitrogen and zinc on productivity of groundnut	10	10	4
	Farm waste	Assessment of different compost cultures for farm waste compost production	10	10	-
Varietal Evaluation					
Integrated Pest Management	Coconut	Management of rugose spiraling whitefly in coconut	5	5	1
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					

Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Others (Farm mechanization)	Arecanut	Assessment of climbing device for Arecanut using safety belt	3	15	-
Total			28	40	5

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management					
Varietal Evaluation					
Integrated Pest Management					
Integrated Crop Management					

Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/locations
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management	Fish	Assessment of Genetically Improved Rohu “Jayanti” with other carps in farm ponds	3	3
Feed and fodder				
Small scale income generating enterprises				
Total				

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

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

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

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

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

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

4.C1. Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Groundnut		Lack of knowledge on Nano fertilizers and its usage and Low fertilizer use efficiency	Assessment of Nano Fertilizer (N& Zn) on growth and yield of Groundnut	5	T.O.1 (Farmers practice): 1 bag DAP (50 kg per ac) + 2 Bag Gypsum (100kg per ac) at the time sowing and no top dressing with fertilizers	Farmers' Practice			On going			
					T.O.2: 10:20:10 NPK kg per ac 50% N:100%P:50%K as basal and remaining 50%N & K will be applied as top dressing	UAS, Bangalore						

					at 30 DAS + Zinc Sulphate 4 kg/ac + Borax 2kg/ac + after 30 DAS Gypsum 200 kg/ac		
					T.O.3: 05:20:10 NPK kg per ac 50% N:100%P:50%K as basal 50%K will be applied as top dressing at 30 DAS) + N & Zn Nano fertilizer foliar spray @ 4ml /lit each at 30 DAS and & 55 DAS	IFFCO-NBRC, Gujarath	

4. C2. Feedback on technologies assessed

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

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

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

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yiel d	Unit of yield	Observation s other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Compost		Non availability of Suitable aerobic compost culture for decompositio n the farm wastes or bulky organic wastes.	Assessment of Decomposi ng Cultures for compost preparation	10	T.O.1 Cowdung + farm waste	Farmers practice	On going					
					T.O.2: Cowdung + farm waste + Waste decomposer culture (aerobic composting microbial consortium culture)	NCORF, Gaziabad						
					T.O.3: Cowdung + farm waste + Madhyam culture (aerobic composting microbial consortium culture)	ICRISAT, Hyderabad						
					T.O.4: Cowdung + farm waste + UAHS Compost Culture (aerobic composting microbial consortium culture)	UAHS, Shivamogga						

4. C2. Feedback on technologies assessed

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

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

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

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observation s other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Coconut		It is an Invasive pest and there is no package of practice for management of the pest	Assessment of Rugose Spiralling Whitefly in Coconut	5	T.O.1 Water spray T.O.2: Application of 1% starch solution on leaflets Installation of yellow sticky traps on the palm trunk Spray of Neem oil 0.5%. Encouraging natural build up of parasitoid <i>Encarsia guadeloupe</i> T.O.3: Foliar application of (2 sprays) of entomopathogenic	Farmers practice CPCRI, Kasargod ICAR-NBAIR, Bengaluru			On going			

					fungus, <i>Isaria fumosorosea</i> @ 2×10^8 spores/ ml (5g/lit. of water) @ 15 days intervals Necm oil 1% spray		
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4. C2. Feedback on technologies assessed

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

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

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

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technolog y	Yield	Unit of yield	Observat ions other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Fish	Perennia l	Slow growth of locally available species and lack of fast growing variety	Assessment of Genetically Improved Rohu “ Jayanti” with other carps in farm ponds	3	T.O.1 Rearing of Common carp Monoculture @ 10000/ha	UAS, Bangalore	Ongo ing					
					T.O.2: Rearing of Jayanti Rohu @7000/ha (Catla:Jayanti Rohu:Common Carp: 30:40:30)	CIFA, Bhuvan es hwara						
					T.O.3: Rearing of IMC @10000/ha(Catla: Rohu:Common Carp - 30:40:30)	KVAFSU, Bidar						

4. C2. Feedback on technologies assessed

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

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

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

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technolog y	Yield	Unit of yield	Observation s other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Arecanut	Rainfed	Shortage of labours specially for climbing and harvesting of Arecanut, Climbing Trees without any safety device may lead to accidents specially for the learners, Confidence level of trainees were low.	Assessment of climbing device for arecanut	3	T.O.1 Manual method of Tree climbing	Farmers practice	On going					
					T.O.2: Mechanized Climbing device for Arecanut	TNAU, Coimbatore						
					T.O.3: Manual Climbing with Safety device	UAHS, Shivamogga						

4. D2. Feedback on technologies refined

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

4.D.2. Details of Technologies refined:

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

PART V - FRONTLINE DEMONSTRATIONS (2019)**5.A. Summary of FLDs implemented**

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
	Oilseeds													
		Residual moisture	Rabi	Groundnut	G2-52	-	Introduction of power operated seed drill for groundnut cultivation	Introduction of Power tiller operated groundnut seed drill.	4	4		10	10	-
	Pulses													
	Cereals													
		Rainfed	Kharif	Paddy	MO-4	-	Resource conservation technology	Introduction of DSR method of paddy	4	4		10	10	
		Rice fallow	Kharif	Red rice paddy	Shaya dri Panchamuki		Variety introduction	Introduction of high yielding red rice paddy variety in lowland with submergence tolerance	4	4		10	10	
		Rainfed	Kharif	Paddy	MO-4	-	Reclamation of	Soil test based lime/	2	2		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
							problematic soils	dolomite application						
	Millets													
		Rice fallow	Rabi	Ragi	ML-365	-	Residual moisture utilization	Introduction of high yielding, short duration and neck blast resistant variety ML-365	4	4		10	10	
	Vegetables													
		Irrigated	Kharif	Spinegourd	Arka Neelanchal	-	ICM	<ul style="list-style-type: none"> • Introduction of high yielding variety, Arka Neelanchal released from CHES, Chettahalli • Drenching of AMC @25 g/L at seedling stage • Use of fruit fly trap • Creating 	0.25	0.25		5	5	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
								market linkage through formation of FPO • Creating awareness about nutritional benefits in media						
		Irrigated	Summer	Brinjal	Mattu gulla	-	ICM	<ul style="list-style-type: none"> Planting Mattu gulla brinjal grafted on <i>Solanum torvum</i> (Wild brinjal plant) Application of Arka Microbial Consortium 12.5 Kg/ha Control of fruit and shoot borer by using Wota traps (Luci lure) Strengthening of market linkage through FPO and grading 	0.5	0.5		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								for better price.						
	Flowers													
		Homestead	Rabi	Udupi Jasmine	Udupi mallige	-	ICM	<ul style="list-style-type: none"> • Time of Pruning : November, at a height of 50 cm from ground level • INM : (FYM 10 kg/ plant) RDF 120:240:240 g/plant in two splits • Foliar spray of micro nutrient ZnSO₄ 0.25% + MgSO₄ 0.5% • Application of Neem cake 0.5 kg per plant • Market linkage through 	0.4	0.4		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
								social media and mobile applications						
	Ornamental													
	Fruit													
		Irrigated	Rabi	Watermelon	Namd hari seeds	-	IPDM	<ul style="list-style-type: none"> • Arka Microbial Consortium (AMC) @ 25g/L • Vegetable special 1g/lit • Soil application of <i>Trichoderma viridae</i> (1Kg) enriched with FYM (100 Kg) • Yellow and Blue sticky traps 8 traps each / acre • Fruit fly traps 2 traps/ acre • Neem oil 300 ppm @ 5% spray • Imidacloprid 17.8 SL @ 	5	5		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
								0.3 ml/ lit						
	Spices and condiments													
		Irrigated	Rabi	Blackpepper	Panniyur-1	-	INM	<ul style="list-style-type: none"> • FYM-10 kg per plant • Lime -500 gram per plant(based on soil test) • Neem cake - 1 kg per plant • Recommended dose of fertilizers 100:40:140 gms NPK /plant. 70% of the RDF should be provided through soil application and remaining 30% of RDF through water soluble fertilizers consisting of 	0.8	0.8		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								19:19:19, Urea, MOP, Zinc sulphate, Magnesium sulphate and Borax should be applied through fertigation and foliar spray						
		Irrigated	Kharif	Blackpepper	-	-	Integrated disease management	<ul style="list-style-type: none"> Removal of affected and dead vines Spraying of Potassium Phosphonate 3ml per lit. during June and September Drenching of Microbial Consortium 20 gm per lit.(5-6 lit per plant) during June and October Soil application 	4.8	4.8		6	6	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								<i>Trichoderma viridae</i> (1Kg) enriched with FYM or Neem cake (100 Kg) during June • Provide good drainage						
	Commercial													
	Medicinal and aromatic													
	Fodder													
	Plantation													
		Irrigated	Rabi	Arecanut	Mangalala	-	INM	<ul style="list-style-type: none"> FYM – 20 kg per plant Neem cake - 2 kg per plant Recommended dose of fertilizers 100:40:140 (local 	0.8	0.8		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								varieties) and 100:40:210(improved varieties) NPK grams per plant in two splits per year. spraying of Borax @2 g/lit in the month of September & October						
		Irrigated	Rabi	Arecanut	Mangalala		IPM	<ul style="list-style-type: none"> • Providing proper drainage • Application of gravel soil to the areca garden • Neem Cake @ 250 g/ palm • <i>Metarhizium anisoplaea</i> @ 20 g/ palm (during June-July) (UAHS, Shivamogga) • <i>Steinernema carpocapsae</i> (Liquid) 150 ml/5 L water 	2	2		5	5	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
								(2 Lit./ Palm) (during June-July and October-November) (CPCRI, Kasargod) Imidacloprid 17.8 SL @ 0.5 ml/lit on the surface						
		Rainfed	Rabi	Coconut	WCT	-	INM	<ul style="list-style-type: none"> •50 kg Compost/FY M per palm . •Neem cake 5kg per palm. •Soil test based application of Recommended dose of fertilizers 400:320:1200 grams of NPK per tree (2 splits per year). •Magnesium sulphate @ 500 gram per palm •50 kg borax per palm . •Coconut 	0.8	0.8		10	10	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others (specify)													
	EDP			Fish	Indian major carp fish seed	-	Production and management	Nursery rearing of IMC seed from spawn to Fingerlings	5	5		5	5	

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ ST	Others	Small/ Marginal	Others
					rearing			and Marketing linkage						

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds												
		Rainfed	Rabi	Groundnut	-	-	Introduction of power operated seed drill for groundnut cultivation	Introduction of Power tiller operated groundnut seed drill.	Rabi	M	H	L	Paddy
	Pulses												
	Cereals												
		Rainfed	Kharif	Paddy	MO-4	-	Resource conservation technology	Introduction of DSR method of paddy	Kharif	M	H	L	Paddy
		Rice fallow	Kharif	Red rice paddy	Shayadri Panchamuki		Variety introduction	Introduction of high yielding red rice paddy variety in lowland with submerge tolerance	Kharif	M	H	L	Paddy
		Rainfed	Kharif	Paddy	MO-4		Reclamation of problematic soils	Soil test based lime/ dolomite application	Kharif	L	M	L	Blackgram
	Millets												
		Rice fallow	Rabi	Ragi	ML-365	-	Residual moisture	Introduction of high yielding, short	Rabi	L	M	L	Paddy

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
							utilization	duration and neck blast resistant variety ML-365					
	Vegetables												
		Irrigated	Khariif	Spinegourd	Arka Neelanchal	-	ICM	<ul style="list-style-type: none"> • Introduction of high yielding variety, Arka Neelanchal released from CHES, Chettahalli • Drenching of AMC @25 g/L at seedling stage • Use of fruit fly trap • Creating market linkage through formation of FPO • Creating awareness about nutritional benefits in media 	Khariif	M	M	L	Vegetables
		Irrigated	Summer	Brinjal	Mattugulla	-	ICM	<ul style="list-style-type: none"> • Planting Mattu gulla brinjal grafted on <i>Solanum torvum</i> (Wild brinjal plant) • Application of Arka Microbial Consortium 12.5 Kg/ha • Control of fruit and shoot borer by using Wota traps (Luci lure) • Strengthening of market linkage through FPO and grading for better price. 	Summer	M	M	L	Paddy

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Flowers												
		Homestead	Rabi	Udupi Jasmine	Udupi mallige	-	ICM	<ul style="list-style-type: none"> • Time of Pruning : November, at a height of 50 cm from ground level • INM : (FYM 10 kg/ plant) RDF 120:240:240 g/plant in two splits • Foliar spray of micro nutrient ZnSO₄ 0.25% + MgSO₄ 0.5% • Application of Neem cake 0.5 kg per plant • Market linkage through social media and mobile applications 	Rabi	M	M	L	Udupi Jasmine
	Ornamental												
	Fruit												
		Irrigated	Rabi	Watermelon	Namdhari seeds	-	IPDM	<ul style="list-style-type: none"> • Arka Microbial Consortium (AMC) @ 25g/L • Vegetable special 1g/lit • Soil application of <i>Trichoderma viridae</i> (1Kg) enriched with FYM (100 Kg) • Yellow and Blue sticky traps 8 traps each / acre • Fruit fly traps 2 traps/ acre 	Rabi	H	M	L	Paddy

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
								<ul style="list-style-type: none"> • Neem oil 300 ppm @ 5% spray • Imidacloprid 17.8 SL @ 0.3 ml/ lit 					
	Spices and condiments												
		Irrigated	Rabi	Blackpepper	Panniyur-1	-	INM	<ul style="list-style-type: none"> • FYM-10 kg per plant • Lime -500 gram per plant(based on soil test) • Neem cake - 1 kg per plant • Recommended dose of fertilizers 100:40:140 gms NPK /plant. 70% of the RDF should be provided through soil application and remaining 30% of RDF through water soluble fertilizers consisting of 19:19:19, Urea, MOP, Zinc sulphate, Magnesium sulphate and Borax should be applied through fertigation and foliar spray 	Rabi	M	M	L	Black pepper
		Irrigated	Kharif	Blackpepepr	-	-	Integrated disease management	<ul style="list-style-type: none"> • Removal of affected and dead vines • Spraying of 	Kharif	M	H	L	Black pepper

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
								Potassium Phosphonate 3ml per lit. during June and September • Drenching of Microbial Consortium 20 gm per lit.(5-6 lit per plant) during June and October • Soil application <i>Trichoderma viridae</i> (1Kg) enriched with FYM or Neem cake (100 Kg) during June • Provide good drainage					
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation												
		Irrigated	Rabi	Arecanut	Mangala	-	INM	•FYM – 20 kg per plant •Neem cake - 2 kg per plant •Recommended dose of fertilizers 100:40:140 (local	Rabi	M	H	L	Arecanut

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
								varieties) and 100:40:210(improved varieties) NPK grams per plant in two splits per year. spraying of Borax @2 g/lit in the month of September & October					
		Irrigated	Rabi	Areca nut	Mangala		IPM	<ul style="list-style-type: none"> • Providing proper drainage • Application of gravel soil to the areca garden • Neem Cake @ 250 g/ palm • <i>Metarhizium anisoplae</i> @ 20 g/ palm (during June-July) (UAHS, Shivamogga) • <i>Steinernema carpocapsae</i> (Liquid) 150 ml/5 L water (2 Lit./ Palm) (during June-July and October-November) (CPCRI, Kasargod) Imidacloprid 17.8 SL @ 0.5 ml/lit on the surface 	Rabi	M	H	L	Areca nut
		Rainfed	Rabi	Coconut	WCT		INM	<ul style="list-style-type: none"> • 50 kg Compost/FYM per palm . • Neem cake 5kg per palm. • Soil test based application of 	Rabi	M	M	L	Coconut

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
								Recommended dose of fertilizers 400:320:1200 grams of NPK per tree (2 splits per year). <ul style="list-style-type: none"> •Magnesium sulphate @ 500 gram per palm •50 kg borax per palm . •Coconut tonic @ 200 ml / palm (root feeding, once in 6 months) 					
	Fibre												
	Others			Fish	Indian major carp fish seed rearing	-	Production and management	Nursery rearing of IMC seed from spawn to Fingerlings and Marketing linkage					

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Groundnut	Power tiller operated seed drill for groundnut cultivation in coastal Karnataka	G2-52	-	Rainfed	10	4											
Pulses																	
Cereals																	
Paddy	DSR method of paddy cultivation in coastal region	MO-4	-	Rainfed	10	4	36.10	32.4	34.16	32.01	6.7	54656	35421	2.84	51216	24427	1.91
Red rice paddy	Red rice variety (Shayadri Panchamuki) in low land situation of coastal zone during kharif	Shayadri Panchamuki		Rice fallow	10	4	24.12	23.12	23.25	22.56	3.05	46500	21847	1.88	40608	15955	1.64

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			%	Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)			
							Demo					Check	Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A									
Paddy	Soil acidity management in paddy	Mo-4	-	Rainfed	10	4	40.20	30.12	38.14	36.14	11.29	51283	35286	2.84	33283	17286	1.68	
Millets																		
Ragi	Ragi in paddy fallows of coastal region under residual moisture situation	ML-365		Rice fallow	10	4	On going											
Vegetables																		
Spinegourd	Spinegourd variety Arka Neelanchal	Arka Neelanchal		Irrigated	5	0.25	On going											
Brinjal	Wilt resistant grafted brinjal (Mattu gulla)	Mattugulla					On going											
Flowers																		
Udupi Jasmine	ICM in Udupi Jasmine	Udupi mallige		Homestead	10	0.4	8.43	6.56	7.63	6.48	17.74	322522	226012	4.0	263720	191387	3.64	
Ornamental																		
Fruit																		
Watermelon	IPDM in watermelon	Namdhari seeds		Irrigated	10	5	On going											

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Spices and condiments																	
Blackpepper	INM in Blackpepper						On going										
Blackpepper	Management of quick wilt in black pepper	-	-	Irrigated	6	4.8	On going										
Commercial																	
Fibre crops like cotton																	
Medicinal and aromatic																	
Fodder																	
Plantation																	
Arecanut	INM in Arecanut						On going										

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			%	Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)			
							Demo					Check	Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A									
Arecanut	Management of arecanut root grubs through IPM practices	Mangala		Irrigated	5	0.4												
Coconut	INM in coconut																	
Fibre																		
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

H – Highest Yield, L – Lowest Yield A – Average Yield

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

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

Pigerry																			
Sheep and goat																			
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.)

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

5. B4. Feedback on livestock technologies demonstrated

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

5.B.5. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m ²)	Name of the parameter with unit	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)		
						Demo			Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Common carps																
Mussels																
Ornamental fishes																
Others (pl.specify)																
Fish	EDP-IMC seed rearing in seasonal ponds	Indian major carp fish seed rearing	5	1200	Yield in Nos	7.56	7.14	7.35	6.23	17.97	735264	316701	1.76	622800	109397	1.21

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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

5. B6. Feedback on fisheries technologies demonstrated

Name of fisheries technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
IMC seed rearing in seasonal ponds	Seed scarcity in the season and no hatchery in the 200 km radius	Non availability of quality seeds in required size and quantity

5.B.7. Other enterprises –Nil-

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m ² }	Name of the parameter with unit	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)			*Economics of check (Rs./unit) or (Rs./m2)				
						Demo				Check if any	Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR	
						H	L	A									
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (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

H-High L-Low, A-Average

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

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

5. B8. Feedback on enterprises demonstrated

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

5.B.9. Farm implements and machinery – Nil-

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Name of the operation with unit	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR

* 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 laboursaved (viz., reduction in drudgery, time etc.)

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

5. B10. Feedback on farm implements demonstrated

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

5.B.6.Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	3	81	
2	Farmers Training	35	1394	
3	Media coverage	78	-	
4	Training for extension functionaries	-	-	-
5	Others (Please specify)			

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Agriculture and horticulture crops Atmanirbhar Bharath	1	23	2	25				23	2	25

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

S.No.	Area of training	No. of Courses	No. of Participants												
			General			SC/ST			Grand Total						
			Male	Female	Total	Male	Female	Total	Male	Female	Total				
1	Crop production and management														
1.a.	Increasing production and productivity of crops	2	27	52	79										
1.b.	Commercial production of vegetables														
2	Production and value addition														
2.a.	Fruit Plants														
2.b.	Ornamental plants														
2.c.	Spices crops														
3.	Soil health and fertility management														
4	Production of Inputs at site														
5	Methods of protective cultivation														
6	Others (pl.specify)														
7	Post harvest technology and value addition														
7.a.	Processing and value addition														
7.b.	Others (pl.specify)														
8	Farm machinery														
8.a.	Farm machinery, tools and implements														
8.b.	Others (pl.specify)														
9.	Livestock and fisheries														
10	Livestock production and management														
10.a.	Animal Nutrition Management														
10.b.	Animal Disease Management														
10.c.	Fisheries Nutrition														
10.d.	Fisheries Management														
10.e.	Others (pl.specify)														
11.	Home Science														
11.a.	Household nutritional security														
11.b.	Economic empowerment of women														
11.c.	Drudgery reduction of women														
11.d.	Others (pl.specify)														
12	Agricultural Extension														
12.a.	CapacityBuilding and Group Dynamics														
12.b.	Others (pl.specify)FOCT & Dairy farmer entrepreneur														
	Total	2	27	52	79							27	52	79	

Details of sponsoring agencies involved

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

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	3	51	30	81	-	-	-	4	-	4
Kisan Mela	1	780	15	795	512	3	515	7	2	9
KisanGhoshi										
Exhibition	1	1098	320	1418	320	7	327	23	4	27
Film Show	2									
Method Demonstrations	5	25	11	36				7	-	7
Farmers Seminar										
Workshop	2	98	57	155						
Group meetings	9	22	9	31				11	1	12
Lectures delivered as resource persons	23	670	18	688	102	2	104	10	4	14
Newspaper coverage	35									
Radio talks	25									
TV talks	16									
Popular articles	1									
Extension Literature										
Advisory Services	712	650	32	682	17	13	30			
Scientific visit to farmers field	64	47	3	50	12	2	14	18	3	21
Farmers visit to KVK		3725	303	4028						
Diagnostic visits	14	78	6	84				5	-	5
Exposure visits	1	27	3	30				2	-	2
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
MahilaMandals Conveners meetings										
Celebration of important days (specify)	9	332	87	419				15	2	17
SMS Messages	16	7300	3380	10680	620	25	645			
Any Other (Specify) Farmers-Scientist interaction	2	5	-	5						
Total	941	14908	4274	19182	1583	52	1635	102	16	118

8.2 Special Extension Programmes

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

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

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)					
Oilseeds					
Pulses					
Commercial crops					
Vegetables	Lady's finger	White velvet (Halu bhendi)	0.3682	44184	216
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total					

9.B. Production of hybrid seeds by the KVKs – Nil-

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

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings					
Fruits					
	Papaya	Thaiwan red lady	2387	47740	252
Ornamental plants					
Medicinal and Aromatic Plantation					
	Arecanut	Mangala	5617	140425	278
	Coconut	WCT	376	30120	71
Spices					
	Pepper	Panniyur-1	1665	16650	112
		Panniyur-7	313	3130	16
		Panniyur-5	224	2240	53
		IISR- Shalthi	377	3770	73
		IISR-Srikara	257	2570	58
		IISR-Tewam	189	1890	66
	Bush pepper	Panniyur-1	216	8640	248

Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)Flowers	Jasmine	Udupi Jasmine	994	34780	317
		Bhatkal Jasmine	54	1890	2
		Step jasmine	137	4795	13
		Mangalore Jasmine	115	4025	29
Produce	Spinegourd	Arka Kiran	7.92 kgs	792	4
	Banana	Puttabale	9.64 kg	384	2
	Lady's finger	Halubhendi	831.12 kg	33247	73
Total					

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

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

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	Sahyadri microbial enriched coconut fronds vermin compost	0.1162	23240	314
Bio-pesticide				
Bio-fungicide				
Bio Agents	Nematode culture	18.74 lt	12500	53
Others (specify)	Microbial consortium –Sahyadri Thrishool	0.796	79600	219
Total				

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers	Swarnadhara	983	98270	127
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Fingerlings	Rohu	5000	10000	28
	Catla	5000	10000	12
	Common carp	7500	15000	18
Others (Pl. specify)				
Total				

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

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

(A) KVK Newsletter:

Date of start: 2006 Periodicity: Quarterly Copies printed April to June & July to September 2020 – 1000 copies

(B) Literature developed/published

Item	Number
Research papers- International	
Research papers- National	3
Technical reports	1
Technical bulletins	
Popular articles - English	
Popular articles – Local language	4
Extension literature	
Others (Pl. specify)	
TOTAL	

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
	CD / DVD	IFS in Arecanut based cropping system IFS in paddy based cropping system	Video documentation on IFS farmer Sri Sudheer Pai, Molahalli village. Video documentation on KVK IFS farmer Smt Vijaya Hegde, Yelajith village.
	Mobile Apps		
	Social media groups with KVK as Admin	Nursery training group whatsapp group KVK Bmr Mushroom training whatsapp group Udupi Jasmine growers whatsapp group Nutri garden whatsapp group PKVY farmers whatsapp group Dakshinakannada & Udupi KSDH Tri-monthly group	
	Facebook account name	Kvk Udupi	
	Instagram account name	-	

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

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title

Background

Interventions

Process

Technology

Impact

Horizontal Spread

Economic gains

Employment Generation

Photos

Photo	Photo
Title	Title
Photo	Photo
Title	Title

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

10.E. Give details of Indigenous Technical Knowledge practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)-Nil-

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

10 F. Technology Week celebration during 2020:

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

Other Details

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

10 E. Recognition and Awards: Please give details about National and State level recognition and awards – Nil-

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab : Full pledged establishment in the year 2002

1. Year of establishment : 2002
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	Distillation unit	1	99639	Working
2				
3				
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	4574	4057	4007	299566
Water Samples	1323	1297	1202	109140
Plant samples				
Manure samples				
Others (specify)				
Total	5897	5354	5209	408676

C. Details of samples analyzed during the 2020

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	242	242	200
Water Samples	58	58	45
Plant samples			
Manure samples			
Others (specify)			
Total	300	300	245

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.	-	Not using
2.	-	Not using

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

	During 2019	During 2020	Cumulative progress (Total)
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 2019: Nil

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

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participated (No.)	Media coverage (No.)
1	69	25	-	2	7	2

PART XII. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
ICM in Udupi Jasmine	10	78%	191387	226012
Soil acidity management in paddy	10	23%	17285	33283
DSR method of paddy cultivation	10	15%	24427	35421

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

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

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
SKDRDP	Training Programme and demonstrations
RUDSET	Training Programme
Novodaya SHGs	Training Programme
KSDA	Demonstration cum Training Programme
KCDC	Demonstration cum Training Programme
DCCD	Demonstration cum Training Programme
Dept. of Agri.	Training Programme
Dept. of Horti.	Training Programme
Dept. of Fisheries	Demonstration cum Training Programme
Dept. of AH & VS	Training Programme
SIRD, Manipal	Training Programme
BVT, Manipal	Training Programme

Engineering College, Nitte	Agricultural implements
MIT	Marketing linkage for Mattugulla, Brinjal

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.)
Skill development training courses viz. FOCT and Dairy Farmer Entrepreneur	27.12.2019	ATARI Bengaluru	390800
Paramparagath Krishi Vikas Yojane	20.02.2020	PKVY New Delhi	330000
Swachhata action plan for the year 2019-20	13.03.2020	ATARI Bengaluru	37500
Installation of drip irrigation to the Arecanut demo plot under the project entitled " Evaluation of growth and yield performance of Arecanut varieties in the coastal region of Karnataka	13.02.2020	Director of Research , UAHS, Shivamogga	40000
CSS-MIDH Programmes on spices production of Quality Planting Materials	29.01.2020	Director of Research , UAHS, Shivamogga	40000
CSS-MIDH programme on spices for the year 2020-21 production of quality planting materials	04.12.2020	Director of Research , UAHS, Shivamogga	200000

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings				
02	Research projects				
03	Training programmes	Poshan Abhiyan Programme-3 Nos High density cashew management-1 Salvinia weed management Soil health camp Seed treatment Field days Groundnut ICM technology Paddy ICM technology	10	-	-
04	Demonstrations				
05	Extension Programmes				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	Publications				
	Video Films				
	Books				
	Extension Literature				

	Pamphlets				
	Others (Pl. specify)				
07	Other Activities (Pl. specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

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

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

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 – NA-

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

13G. Kisan Mobile Advisory Services

Month	No of Advisories	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
			Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	1	-	1						1	3148
February	-		-	-	-	-	-	-	-	-
March	2		2	-	-	-	-	-	2	14475
April	-		-	-	-	-	-	-	-	-
May	1		1	-	-	-	-	-	1	10825
June	-		-	-	-	-	-	-	-	-
July	2		2						2	14959
August	3		3						3	11298
September	1		1						1	3664
October	5		5						5	14972
November	4		4						4	14990
December	2		2						2	11319
Total									21	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty (q)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Sahyadri microbial enriched coconut fronds vermin compost	0.116	14000	23240	
2	Nematode culture	18.74 lt	6250	12500	
3	Microbial consortium – Sayadri Trishool	0.796	47800	79600	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Poultry chicks	Swarnadhara	Birds	983	68700	98270	
2	Fish	Rohu	Fingerlings	5000	7800	10000	
		Catla	Fingerlings	5000	7800	10000	
		Common carp	Fingerlings	7500	11250	15000	

14E. Utilization of hostel facilities - Nil

Accommodation available (No. of beds)

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

PART XV –SPECIAL PROGRAMMES**15.1 Paramparagath Krishi Vikas Yojana (PKVY)**

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N (Kg/ha)	Aval. P (Kg/ha)	Aval. K (Kg/ha)	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1.Sanooru	296.21	28.36	73.41	0.41	200 Ltr capacity Plastic drums, Biodigester unit, Vermicompost unit, Compost unit, Slurry unit	Paddy	Kaje Jaya	Neem cake,	20.0	24125	15875
							Vegetables	Velvet	Neem oil,	28.0	35000	105000
								Bhendi,	PSB,			
								Gourds	<i>Metarhizium</i> ,	206	34580	68420
								Indian Spinach	Sahyadri Thrishool,	For Home consumption		
							Black pepper	Karimunda, Paniyur Varieties	VAM, Vermiwash, Waste decomposer,	4.2	37550	96850
							Arecanut	Local, Mangala, Mohithnagar	<i>Trichoderma</i> , <i>Bacillus megathirium</i>	12.00	148950	259050
Coconut	WCT, MYD		5000 nuts	55050	44950							
Cashew	Local, Ullal Series		7.50	23486	44014							

15.2 District Agriculture Meteorological Unit (DAMU)-Nil-

Sl No.	Agro advisories			Farmers awareness programmes	
	No of Agro advisories generated	No of farmers registered for agro advisories	No of farmers benefitted	No of programmes	No of farmers benefitted
1					
2					

15.3 Fertilizer awareness programme 2020 -Nil

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

15.4 Seed Hub –Nil-

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

15.5 CFLD on Oilseeds: -NA-

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
	Total					

15.10 SCSP –NA-

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologiess)	Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings /Demos	No. of Farmers	No. of Trainings /Demos	No. of Women Farmers	No. of Trainings /Demos	No. of Youths	No. of Trainings /Demos	No. of Extension Personnel		Online farm trials	Frontline demos	Mobile agro - advisory to farmers						

15.11 NARI

Activity	Achievement	
	Number of activity	No. of farmers/beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition(activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)	5	30
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition(activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

15.12 KVK Portal

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish

15.13 KSHAMTA-NA-

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

15.14 DFI

Sl	District	Taluku	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)
	Udupi	Karkala	Shirlalu	50	445347.7	Paddy, Areca nut, Coconut, Cashew, Black Peppar, Vegetables, Dairy,	Introduction of Spine gourd variety Arka Neelanchal Introduction of Red Rice Variety Sahyadri Panchamukhi for Coastal Region Acidic soil management in Paddy Integrated Nutrient Management in Black Pepper Introduction of wilt resistant grafted Brinjal Management of Areca nut root grub through IPM practices Integrated Nutrient Management in Areca nut	28917.25	474264.95

		Hebri	Santhekatte	50	445347.7	Paddy, Areca nut, Coconut, Cashew, Black Pepper, Vegetables, Dairy,	Quick wilt Management in Black Pepper Introduction of Minor Millet (Ragi) under residual moisture condition of Coastal region	10719.47	456067.17
		Brahmavar	Heggunje	50	322802.1	Paddy, Areca nut, Coconut, Cashew, Black Pepper, Vegetables, Dairy,	Introduction of Minor Millet (Ragi) under residual moisture condition of Coastal region ICM in Udupi Jasmine Management of Rugose Spiralling whitefly in Coconut Integrated Nutrient Management in Coconut	18832.22	464179.92

PART XVI - FINANCIAL PERFORMANCE

16A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	Canara Bank	Varamballi, Brahmavar	0466	S.B. Account	0466101172871 0466101173629		CNRB 0000466

16B. Utilization of KVK funds during the year 2019-20 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	9967000		9532192
2	Traveling allowances	140000		121674
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	175000		174750
B	POL, repair of vehicles, tractor and equipments	200000		194784
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	70000		69287
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000		24265
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	350000		248930
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	23000		20100
G	Training of extension functionaries			
H	Maintenance of buildings	85000		73275
I	Establishment of Soil, Plant & Water Testing Laboratory	25000		24999
J	Library	5000		5000
K	Nutri garden	25000		24725
J	FFS	20000		13941
L	Extension Activity	30000		29151
M	HRD training programme	25000		24514
TOTAL (A)		11190000		10581587
B. Non-Recurring Contingencies				
1	Works			
2	Equipment including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

16B. Utilization of KVK funds during the year April-December 2020 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	10515000		8711932
2	Traveling allowances	150000		9950
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	175000		163079
B	POL, repair of vehicles, tractor and equipments	200000		88444
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	70000		35207
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000		40290
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	238000		110308
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	95000		47199
G	Training of extension functionaries			
H	Maintenance of buildings	50000		39953
I	Establishment of Soil, Plant & Water Testing Laboratory	25000		0
J	Library	5000		4350
K	Nutri garden	25000		9938
J	EDP/Innovative activities	30000		29398
L	Extension Activity	30000		9679
M	HRD training programme	25000		16953
TOTAL (A)		11683000		9316680
B. Non-Recurring Contingencies				
1	Works			
2	Equipment including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st January	Income during the year	Expenditure during the year	Net balance in hand as on 31stDecember of each year
January to December 2018	786649	997036	958607	825078
January to December 2019	825078	729391	1427927	126542
January to December 2020	1256542	698910	787776	1447576

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Chaitanya H.S	Scientist (Horticulture)	Training of Trainers (TOT) in processing of fruits and vegetables for District.	Online-CFTRI	8 days online training programme 17-18 Dec, 21-24 Dec, and 28-29 Dec, 2020
Dr. Sachin U.S.	Scientist (Plant protection)	Training on Bio-fuel production	UAHS, Shivamoogga	1 day offline training programme on 7.10.2020
Dr. Naveen	Scientist (Agronomy)	International training programme on - Prospectus of present and future weed research under climate smart agriculture	Online-MPKV, Rahuri	17-20 th August 2020(4 days)
		Training on Bio-fuel production	UAHS, Shivamoogga	1 day offline training programme on 7.10.2020
		International training programme on - Climate risk assessment and its management through agro meteorological approaches	Online – SKUAS & T, Kashmir (ICAR-NAHEP)	21-30 th October 2020 (10 days)
		Crops simulation modeling DSSAT	Online – SKUAS & T, Kashmir (ICAR-NAHEP)	26 th October, 2020 (1 day)

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

On farm sale of watermelon facilitated by social media – A marketing success story emerged during lockdown due to corona virus COVID-19 pandemic disease.

Brief back ground

The Udupi district having a coastal ecosystem, where paddy is cultivated as the main crop during monsoon followed by pulses (green gram and black gram), groundnut and vegetables during rabi and summer. Among the vegetables, cucumber, ash gourd, ridge gourd, pumpkins, watermelon are grown in paddy fallows. Watermelon is cultivated in 350 acres in Udupi district. The farmers take up cultivation of watermelon in paddy fallows during late rabi and early summer in Byndoor taluk and Kundapura taluk of Udupi district. The major market for the watermelon cultivated in Udupi district is Kerala and the neighbouring districts Dakshina Kannada and Uttara Kannada.

Sri Suresh Nayak, from Hiriyadka village, Udupi district has cultivated 13 acres of watermelon icebox variety, Mahanth from Ellora seeds in staggered system. Sri Suresh Nayak, who is in regular contact with ICAR- Krishi Vigyan Kendra, Udupi for the technical information, has adopted recent technologies in watermelon cultivation viz., in line drip irrigation, fertigation, integrated nutrient management, use of Arka Microbial Consortium, *Bacillus magaterium* to control wilt and other soil borne diseases, also to improve the phosphorus availability to the plants, use of fruit fly traps, yellow sticky traps and blue sticky traps etc.,.

From the cultivated 13 acres, the first crop from 2.5 acres, the harvesting was started on 18th March 2020 and due to outbreak of Covid-19 pandemic disease, lock down was imposed on 23rd March 2020 throughout the country, closing all the trading links with the middlemen and wholesale traders from Kerala and other neighbouring states.

ICAR-Krishi Vigyan Kendra, Udupi during the lockdown period was in contact with the farmers of Udupi district to assist the growers by linking to various markets through social media mainly whatsapp group, which was earlier created by KVK and Dept. of

Horticulture for disseminating technical and market information to the farmers. Information about the quantity of watermelon harvested was shared in the whatsapp groups with the contact information of farmer and location. Through various net work group the information reached to nearly 5000 members, who were wholesale traders and individual buyers. After 3 hours of sharing the contact details the farmer Sri. Suresh Nayak received around 80 to 100 phone calls to enquire for purchase of watermelon from nearby places and neighbouring districts. The watermelons harvested from 2.5 acres, the farmer has sold nearly 36 tonnes in 3 days, at his farm at an average price of Rs 10 per kilogram of fruit. The farmer Sri. Suresh Nayak once who had lost all his hopes and was about to undergo huge loss, where he had spent nearly Rs 60,000 per acre as cost of production and was in search of market, could realise that the market had ventured to his farm. On an average 250 to 300 direct consumers purchased watermelons which accounts to 90% and 10 per cent were traders who purchased as whole sale buyers. According to the farmer the lock down has changed the complete scenario of the vegetable marketing wherein during previous year 90 % of the produce was procured by whole sale buyers and 10 % were procured for own consumption. The article on sale of watermelon at the farmer's place highlighted in local and state news papers attracted many more customers. Even after a period of 15 days, on an average daily 155 direct consumers are procuring daily on an average total 5425 kg of watermelon from his farm.

Sri Suresh Nayak, to continue the flow of consumers to his farm till the lock down period, he himself started to procure pineapple, ash gourd, cucumber and pumpkins from the farmers who faced difficulty in marketing due to lock down. So by this his farm is still serving as a market for the direct consumers. By this the near by farmers are benefitted as they are getting more price when compared to whole sale market. Thus, the social media has opened as a new avenues in the field of marketing of farm produce, avoiding middle men and the farm fresh produce is reaching the consumer at a handy price.

On farm sale of fruits and vegetables during lock down period through the assistance of social media.

Sl No.	Name of the commodity	Quantity of Commodity Sold (kg)	Grown in his plot/procured from other farmers	Price per kg	Margin money for selling procured vegetables	Cost of Labour charges per day (Harvesting, and Loading)	Total revenue earned
1.	Watermelon	46350	Grown in his plot	Rs. 10	-	Rs. 4000X15 days=60000	4,63,500.00
2.	Watermelon	35025	Procured from other farmers	Rs. 10	1.50		52,537.50
3.	Pineapple	5450	Procured from other farmers	Rs 20	3.00		16,350.00
4	Cucumber	4900	Grown in his plot	Rs 15			73,500.00
5	Ash gourd	3650	Procured from other farmers	Rs 15	2.00		7,300.00
6	Pumpkin	538	Grown in his plot	Rs. 20	-		10,000.00
						60,000.00	6,23187.00

On farm purchase by direct consumers- at Sri Suresh Nayak watermelon field



ಸುದಿನ ಜಿಲ್ಲೆ ಸುದ್ದಿ ಸಂಕೇತ

ಕೃಷಿಕನಿಂದ ನೇರ ಮಾರಾಟ: ಲಾಕ್ ಡೌನ್ ನಡುವೆ ಭರ್ಜರಿ ಕಲ್ಲಂಗಡಿ ವ್ಯಾಪಾರ!

ಅನುಜ್ಞಿತವಾಗಿ ನೇರ ಮಾರಾಟದ ಮೂಲಕ ಕೃಷಕರು ತಮ್ಮ ಉತ್ಪಾದಿಸಿದ ಕಲ್ಲಂಗಡಿಯನ್ನು ನೇರವಾಗಿ ಮಾರಾಟ ಮಾಡುವ ಮೂಲಕ ಉತ್ಪಾದಕರ ಪಾಲಿಗೆ ಹೆಚ್ಚಿನ ಲಾಭವಾಗುವಂತೆ ಮಾಡುವ ಮೂಲಕ ಸರ್ಕಾರದಿಂದ ಈ ಯೋಜನೆ ಜಾರಿಯಲ್ಲಿ ಇದೆ.

ಉತ್ಪಾದಕರ ಪಾಲಿಗೆ ಹೆಚ್ಚಿನ ಲಾಭ

ಕೃಷಕರು ತಮ್ಮ ಉತ್ಪಾದಿಸಿದ ಕಲ್ಲಂಗಡಿಯನ್ನು ನೇರವಾಗಿ ಮಾರಾಟ ಮಾಡುವ ಮೂಲಕ ಉತ್ಪಾದಕರ ಪಾಲಿಗೆ ಹೆಚ್ಚಿನ ಲಾಭವಾಗುವಂತೆ ಮಾಡುವ ಮೂಲಕ ಸರ್ಕಾರದಿಂದ ಈ ಯೋಜನೆ ಜಾರಿಯಲ್ಲಿ ಇದೆ.

ಕೃಷಕರ ಪಾಲಿಗೆ ಹೆಚ್ಚಿನ ಲಾಭ

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ನಿರ್ಬಂಧದ ನಡುವೆ ಬೆಲೆ ಕಂಡವರು...

ಕಲ್ಲಂಗಡಿಗೆ ಡಿಜಿಟಲ್ ಮಾರ್ಕೆಟ್

ಕೃಷಕರಿಗೆ ನೇರ ಮಾರಾಟದ ಮೂಲಕ ಉತ್ಪಾದಿಸಿದ ಕಲ್ಲಂಗಡಿಯನ್ನು ನೇರವಾಗಿ ಮಾರಾಟ ಮಾಡುವ ಮೂಲಕ ಉತ್ಪಾದಕರ ಪಾಲಿಗೆ ಹೆಚ್ಚಿನ ಲಾಭವಾಗುವಂತೆ ಮಾಡುವ ಮೂಲಕ ಸರ್ಕಾರದಿಂದ ಈ ಯೋಜನೆ ಜಾರಿಯಲ್ಲಿ ಇದೆ.

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On farm sale- Article coverd in News Paper