

KRISHI VIGYAN KENDRA, HAVERI (DISTRICT NAME-HAVERI)

ICAR-KRISHI VIGYAN KENDRA, HAVERI

ANNUAL REPORT- 2019

(FOR THE PERIOD FROM 01 January 2019 TO 31 December 2019)

**ICAR, Krishi Vigyan Kendra, Haveri -581115, Tq: Ranebennur,
Dist: Haveri, University of Agricultural Sciences, Krishinagar,
Dharwad-580005, Karnataka state
www.uasd.edu**

GENERAL INSTRUCTIONS

Please read the instructions very carefully before starting preparation of the report

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given by each KVK while preparing the report.
- Period of Report is from 01 January 2019 to 31 December 2019
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables, graphs and photos.

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

S. No.	Item	Area (ha)
1	Under Buildings	2.20
2.	Under Demonstration Units	0.10
3.	Under Crops	16.10
4.	Orchard/Agro-forestry	1.60
5.	Others	-

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	1999	400	27.93	1999	400	Completed
2.	Farmers Hostel	ICAR	2004	305	22.63	2004	305	Completed
3.	Staff Quarters	ICAR	2007	399	39.68	2007	399	Completed
4.	Demonstration Units	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	31.01.2008	985.96	9.11	31.01.2008	985.96	Completed
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero ZLX-KA 27 N-0845	2016	7,31,504 (22499 Insurance)	22,977	Good
Motor cycle Bajaj CT-100 KA 27/ K8673	2005	40,000	34106	Not in working condition
Tractor and Trailer New Holland Ford 3230	2005	5,00,000	452 (hrs)	Good
Motor cycle Bajaj CT-100 KA 27/L4836	2006	40,000	32249	Not in working condition

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Balaram Negilu	2017	800	Good
Kula – Bolt	2017	250	Good
Shakti CDN battery(2 in 1) chemical Sprayer	2017	3200	Good
Steel Oil Can(Milk can-20lit capacity)	2017	1938	Good
Generator (Honda brand)	2018	45000	Good
Computer tables	2018	8600	Good
Reception table with granet top	2018	14955	Good
Executive chairs	2018	56000	Good

1.8. Details of SAC meeting conducted during 2019: Nil

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
-	-	-	-	-

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	Maize, Bt-cotton, Minor millets, <i>Rabi</i> -Sorghum, Groundnut, Sunflower, Soybean, Redgram, Green gram, Bengal gram, Banana, Mango, Sapota, Arecanut, Flowers crops, Dairy, Sheep, Goat, Poultry, Integrated farming system, Agri-silivi-horti-pasture, Silviculture etc.,

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

S. No	Agro-climatic Zone	Characteristics
1	Northern Transitional zone (Zone-8) & Hilly zone (Zone 9)	<ul style="list-style-type: none"> Total geographical area is 4.85 lakh ha. Cultivated area is 3.86 lakh ha. of which 72,000 ha is irrigated (13.5%). Receives on an average 819 mm of rainfall annually mainly during June to October. The rainfall is received in two peaks (July & September). Land holding pattern of the district is < 1 ha (32,719 nos), 1-2 ha (60,095 nos), 2-4 ha (48,885 nos), 2-10 ha (19,613 nos) and > 10 ha (2,649).

S. No	Agro ecological situation	Characteristics		
1	Agro Ecological Sub Region (ICAR)	Deccan Plateau, Hot Semi-Arid Eco-Region (6.4)		
2	Agro-Climatic Region (Planning Commission)	Southern Plateau and Hills region (X)		
3	Agro Climatic Zone (NARP)	Northern Transition zone, Northern Dry zone (KA-8, KA-3)		
4	List all the districts or part thereof falling under the NARP Zone	Dharwad, Belgaum, Haveri		
5	Geographic coordinates of district	Latitude	Longitude	Altitude
		14 °47'59.85"N	75°23'59.92"	630m
6	Name and address of the concerned ZRS/ ZARS/ RARS/ RRS/ RRTTS	Agricultural Research Station, Hanumanamatti – 581 135; Taluk & District: Haveri		
7	Mention the KVK located in the district	Krishi Vigyan Kendra Hanumanamatti - 581 135, Tq: Ranebennur, Dist.: Haveri		

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Medium to deep black soils	Depth more than 4 ft Fertile soils	2,44,310
2.	Red Sandy loam Soils	Depth 1 to 2 ft Medium Fertile soils	2,28,340
3.	Red Shallow Soils	Depth less than 1 ft Poor fertile soils	21,760

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.	Maize	1,43,000	7,15,000	5000
2.	Cotton	72,200	72,200	1000
3.	Rice	49,300	1,01,291	2050
4.	Groundnut	18,000	36,000	2000
5.	Chick pea	6,210	4220	680
6.	Sugarcane	6,000	6,00,000	100000
7.	Soybean	5,600	11,200	2000
8.	Pigeon pea	4,500	4,500	1000
9.	Green chilly	6880.30	79884.05	11610.54
10.	Arecanut	6408.69	8948.54	1396.31
11.	Onion	6245.91	125641.85	20115.85
12.	Mango	5600.04	47654.30	8509.63
13.	Banana	2263.57	65789.85	29064.64
14.	Cabbage	300	12000	40000

* Please provide latest data from authorized sources. Please quote the source (Source: District at glance , 2016, GOK)

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January-19	0.0	31.1	15.2	56
February-19	0.0	34.1	16.2	47
March-19	2.6	36.9	18.9	72
April -19	19.0	37.9	21.6	80
May-19	3.0	37.4	23.6	81
June-19	72.6	32.6	21.3	83
July-19	167.5	28.3	18.6	80
August-19	408.8	28.2	20.6	86
September-19	148.8	28.9	19.8	83
October-19	444.5	30.1	20.1	80
November-19	9.4	28.7	19.4	78
December-19	0.2	29.2	19.1	70

* Please provide latest data from authorized sources. Please quote the source. : AAS, COA, Hanumanamatti

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	56747	24000 tones	5.63 kg milk
<i>Indigenous</i>	235402	26000 tones	2.1 kg milk
Buffalo	113847	32000 tones	Meat 95 kg/animal 2.5 kg /animal/day
Sheep			
<i>Crossbred</i>	282	287 tones	Meat 14.63 kg/animal
<i>Indigenous</i>	317902		
Goats	150650	158 tones	Meat 14.24 kg/animal
Pigs	-	-	Meat 62.5 kg/animal
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	6827	2 tones	-
Rabbits	250	-	-
Poultry			
Hens	698296	Eggs 436 lakh Meat 247 tones	Egg 238 /bird/year Egg 97 /Desi bird/year
<i>Desi</i>	56747	24000 tones	5.63 kg milk
<i>Improved</i>	235402	26000 tones	2.1 kg milk
Ducks	113847	32000 tones	Meat 95 kg/animal 2.5 kg /animal/day
Turkey and others			

Category	Area	Production	Productivity
Fish	5605 ha WSA	6581.6 metric tone/ 4000ha	1.6 metric tone/ha
<i>Marine</i>	--	--	---
<i>Inland</i>	--	--	--
Prawn	--	---	--
Scampi	--	--	---
Shrimp	--	--	--

* Please provide latest data from authorized sources. Please quote the source (Source: District at glance , 2016, GOK)

2.7 District profile maintained in the KVK has been **Updated** for 2019: **Yes** / No

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	Ranebennur	Ranebennur	Choudaiah danapur	2019-20	Sugarcane, Paddy, Maize, Poultry	<ul style="list-style-type: none"> • Low crop yields • Micro nutrient deficiencies • Trash burning in Sugarcane • Pest incidence in major crops • Low gain body weight in Poultry birds • Low egg production 	<ul style="list-style-type: none"> • Integrated Crop Management • Integrated Nutrient Management • Trash management • Weed management • Introduction of improved variety of Backyard Poultry
2	Hanagal	Hanagal	Sheghihalli	2019-20	Sugarcane, Paddy, Soybean, Green gram, Sheep and Goat	<ul style="list-style-type: none"> • Incidence of pest and foliar diseases • Nutrient deficiency • Trash burning in Sugarcane • Use of local variety of greengram • Low body wt • Fodder scarcity 	<ul style="list-style-type: none"> • Integrated Crop Management • Integrated Nutrient Management • Trash management • Live stock Nutrition management • Introduction of high yielding fodder variety
3	Savanur	Savanur	Baradur	2019-20	Soybean, Cotton, Maize, Groundnut	<ul style="list-style-type: none"> • Use of local variety • Nutrient deficiency • Pest diseases incidence 	<ul style="list-style-type: none"> • Introduction of new variety • Integrated Crop Management • Integrated Nutrient Management
4	Hirekerur	Hirekerur	Yadagodi	2019-20	Banana, Cotton, Maize, Onion, Sunflower, Dairy animals	<ul style="list-style-type: none"> • Use of local variety • Nutrient deficiency • Pest diseases incidence • Fodder scarcity • Underutilized form pound 	<ul style="list-style-type: none"> • Introduction of new variety • Integrated Crop Management • Integrated Nutrient Management • Introduction of high yielding fodder variety • Composite fish culture
5	Shiggaon	Shiggaon	Bishetikoppa	2019-20	Cotton, Groundnut, Maize, Paddy	<ul style="list-style-type: none"> • Use of local variety • Nutrient deficiency • Pest diseases incidence 	<ul style="list-style-type: none"> • Introduction of new variety • Integrated Crop Management • Integrated Nutrient Management

2.9 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.	Hangal	Hangal	Shigihalli-Shingapura Plot	Maruthi Shivappa Murageppanavar	111600	90,000	21,600
2.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shadevappa B Korakeri	78000	50000	28,000
3.	Hangal	Hangal	Shigihalli-Shingapura Plot	Channamma Shanthaverappa Soudatti	525000	375000	150,000
4.	Hangal	Hangal	Shigihalli-Shingapura Plot	Parshuram Shivappa Thippanavar	198000	150000	48,000
5.	Hangal	Hangal	Shigihalli-Shingapura Plot	Nagangouda B Patil	500000	400000	100,000
6.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shanmukappa Ningappa Channamanavar	150000	100000	50,000
7.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basvanappa Benchihalli	400000	300000	100,000
8.	Hangal	Hangal	Shigihalli-Shingapura Plot	Channaverappa Benchihalli	550000	400000	150,000
9.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basvangouda Ningangouda Nilanagouda	240000	160000	80,000
10.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ningappa barmappa Thimmananavar	93000	60000	33,000
11.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basvanthappa T Gorakeri	118000	70000	48,000
12.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ramappa Ningappa Gorakeri	78000	60000	18,000
13.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ramappa basappa shethasanadi	90000	80000	10,000
14.	Hangal	Hangal	Shigihalli-Shingapura Plot	Prakash baramappa Gorakeri	120000	90000	30,000
15.	Hangal	Hangal	Shigihalli-Shingapura Plot	Annapurna shivabasayya Hiremat	190000	80000	110,000
16.	Hangal	Hangal	Shigihalli-Shingapura Plot	Guddappa Hedmesthri	240000	150000	90,000
17.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shoba Verabadrappa Hiremath	190000	139000	51,000
18.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ningappa Nilappa Sannamani	132000	125000	7,000
19.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basavaraj Ningappa Hugar	80400	102000	-21,600
20.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basappa Nilappa Sannamani	126000	90000	36,000
21.	Hangal	Hangal	Shigihalli-Shingapura Plot	Halappa Basappa Shekasanadi	114000	110000	4,000
22.	Hangal	Hangal	Shigihalli-Shingapura Plot	Mahalingappa Bhimappa Shekasanadi	159000	115000	44,000
23.	Hangal	Hangal	Shigihalli-Shingapura Plot	Bhimappa Basappa Shekasanadi	114000	93000	21,000

24.	Hangal	Hangal	Shigihalli-Shingapura Plot	Somanna Duragappa Shethasanadi	132500	115000	17,500
25.	Hangal	Hangal	Shigihalli-Shingapura Plot	Gouramma Basappa Thimmanavar	72000	68000	4,000
26.	Hangal	Hangal	Shigihalli-Shingapura Plot	Baramappa Basappa Thimmanavar	78000	62000	16,000
27.	Hangal	Hangal	Shigihalli-Shingapura Plot	Gadegeppa Shivappa Duragappanavar	108500	105000	3,500
28.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shanmukappa basvangouda patil	80000	90000	-10,000
29.	Hangal	Hangal	Shigihalli-Shingapura Plot	Nilappa girimalappa Benchihalli	692500	482500	210,000
30.	Hangal	Hangal	Shigihalli-Shingapura Plot	Nagesh Shanthappa Danappanavar	300000	250000	50,000
31.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shanthaverappa Channappa Channamanavar	54000	53000	1,000
32.	Hangal	Hangal	Shigihalli-Shingapura Plot	Channabasavangouda kallanagouda Patil	280000	185000	95,000
33.	Hangal	Hangal	Shigihalli-Shingapura Plot	Yogendra Virupakshappa Hugar	93000	88000	5,000
34.	Hangal	Hangal	Shigihalli-Shingapura Plot	Chandrashekar Benchihalli	600000	480000	120,000
35.	Hangal	Hangal	Shigihalli-Shingapura Plot	Nilappa N Kabburu	40500	40000	500
36.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basavarajappa Basavalingappa	144000	99000	45,000
37.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ashokappa Gokannanavar	186800	175000	11,800
38.	Hangal	Hangal	Shigihalli-Shingapura Plot	Marthandappa Guddappa Hosamani	522000	390000	132,000
39.	Hangal	Hangal	Shigihalli-Shingapura Plot	Parashuram Gurunanjappa Benchihalli	90000	130000	-40,000
40.	Hangal	Hangal	Shigihalli-Shingapura Plot	Ningappa Girmalla girimallappa	250000	230000	20,000
41.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shivalingappa Basavanappa Bannihalli	650000	500000	150,000
42.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shivaputhreppa Basvanappa Sannamani	250000	230000	20,000
43.	Hangal	Hangal	Shigihalli-Shingapura Plot	Basavanagouda ninganagouda Patil	255000	186000	69,000
44.	Hangal	Hangal	Shigihalli-Shingapura Plot	Naganagouda Basvangouda Patil	195000	190000	5,000
45.	Hangal	Hangal	Shigihalli-Shingapura Plot	Virupakshappa Channabasappa Marikenchannavar	225000	193000	32,000
46.	Hangal	Hangal	Shigihalli-Shingapura Plot	pakkiresh Ningappa Keriyavar	100000	124000	-24,000
47.	Hangal	Hangal	Shigihalli-Shingapura Plot	Subhash Ningappa Keriyavar	115000	108000	7,000
48.	Hangal	Hangal	Shigihalli-Shingapura Plot	Channabasangouda Kallangouda Patil	200000	144000	56,000

49.	Hangal	Hangal	Shigihalli-Shingapura Plot	Shivangouda Kallangouda Patil	325000	202000	123,000
50.	Hangal	Hangal	Shigihalli-Shingapura Plot	Mallappa Puttappa Hadarageri	270000	193000	77,000
51.	Hangal	Hangal	Shigihalli-Shingapura Plot	Siddu Shanthappa Satenavar	170000	141000	29,000
52.	Hangal	Hangal	Shigihalli-Shingapura Plot	Puttappa Ramchandruppa heddamesthri	160000	130000	30,000
53.	Hangal	Hangal	Shigihalli-Shingapura Plot	Subhashappa Gangadarappa Heddmesthri	235000	158000	77,000
54.	Shiggav	Shiggav	Basatikoppa	Basappa Parasappa Maujappanavar	222000	125210	88000
55.	Shiggav	Shiggav	Basatikoppa	Basappa Dyamana Ganiger	212300	115563	75000
56.	Shiggav	Shiggav	Basatikoppa	Basappa Veerasangappa Kubasad	241150	132631	75000
57.	Savanur	Savanur	Baradur	Ajjayya Shivandayya Hiremath	96000	80000	16000
58.	Savanur	Savanur	Baradur	Neelakantayya Shuvamurthyya Huchchainavar	34000	47000	-13000
59.	Savanur	Savanur	Baradur	Gadigeyya Channamatayya Gantimath	190000	130000	60000
60.	Savanur	Savanur	Baradur	Ninganagouda Ramangouda Mellalli	123000	135000	-12000
61.	Savanur	Savanur	Baradur	Prakashgouda Ramanagouda Mellalli	800000	150000	650000
62.	Savanur	Savanur	Baradur	Neelanagouda Ramanagouda Mellalli	133000	170000	-37000
63.	Savanur	Savanur	Baradur	Mhendragouda Ramanagouda Mellalli	66000	65000	1000
64.	Savanur	Savanur	Baradur	Shanragouda Ramangouda Mellalli	76000	65000	11000
65.	Savanur	Savanur	Baradur	Shivanagouda Ramanagouda Mellalli	76000	65000	11000
66.	Savanur	Savanur	Baradur	Bangaragouda Ramanagouda Mellalli	134000	100000	34000
67.	Savanur	Savanur	Baradur	Sanmeshgouda Ramanagouda Mellalli	66000	65000	1000
68.	Savanur	Savanur	Baradur	Veeranagouda Channabasanagouda Ningangoudru	86000	80000	6000
69.	Savanur	Savanur	Baradur	Bhimappa Hanumantappa Teggihalli	520000	438000	82000
70.	Savanur	Savanur	Baradur	Shivarudruppa Mailarappa Hadapadh	150000	180000	-30000
71.	Savanur	Savanur	Baradur	Ishwarappa Mailarappa Hadapadh	228000	190000	38000
72.	Savanur	Savanur	Baradur	Sannalingappa Doddamani	30000	28000	2000
73.	Savanur	Savanur	Baradur	Gouramma Kancchannanavar	30000	28000	2000
74.	Savanur	Savanur	Baradur	Basappa Karjagi	50000	40000	10000

75	Savanur	Savanur	Baradur	Holeyappa Halli	250000	140000	110000
76	Savanur	Savanur	Baradur	Savitravva Mellalli	172000	200000	-28000
77	Savanur	Savanur	Baradur	Parasappa Hanumantappa Teggalli	170000	200000	-30000
78	Savanur	Savanur	Baradur	Channappa Huligeppa Barki	102000	75000	27000
79	Savanur	Savanur	Baradur	Hajarathsab Kammur	190000	80000	110000
80	Savanur	Savanur	Baradur	Maulasab Makkabulsab Kammar	129000	150000	-21000
81	Savanur	Savanur	Baradur	Shivappa D Karjagi	170000	135000	35000
82	Savanur	Savanur	Baradur	Basalingappa Devihosur	710000	315000	395000
83	Savanur	Savanur	Baradur	Shivanagouda Shekaragouda Patil	77000	48000	29000
84	Savanur	Savanur	Baradur	Gurushantappa Ramappa Bhimaji	145000	16000	129000
85	Savanur	Savanur	Baradur	Mahadevappa Hullappa Motebennur	75000	61000	14000
86	Savanur	Savanur	Baradur	Yallappa Krushnappa Teggihalli	15000	1000	14000
87	Savanur	Savanur	Baradur	Holalavva Shabhujappa Galaginakatti	227000	94800	132200
88	Savanur	Savanur	Baradur	Mallavva Sahadevappa Hosapeti	162000	22000	140000
89	Savanur	Savanur	Baradur	Ningappa Mahadevappa Byagavadi	315000	10000	305000
90	Savanur	Savanur	Baradur	Veerabhadragouda Siddanagoudru Policegoudru	61000	115000	-54000
91	Savanur	Savanur	Baradur	Gangadarayya Shivandayya Hiremath	41000	44000	-3000
92	Savanur	Savanur	Baradur	Bangaregouda Kannanagouda Channaveeragouda	15000	173200	-158200
93	Savanur	Savanur	Baradur	Basappa Udachappa Talavar	50000	33000	17000
94	Savanur	Savanur	Baradur	Puttappa Gudappa Khoti	89000	55000	34000
95	Savanur	Savanur	Baradur	Anadanagouda Veeranagouda Patil	137000	155000	-18000
96	Savanur	Savanur	Baradur	Phakkirappa Hanumantappa Teggihalli	480000	10000	470000
97	Savanur	Savanur	Baradur	Basappa Adivappa Hadapada	70000	22000	48000
98	Savanur	Savanur	Baradur	Kamavalla Phakkirappa Porannanavar	180000	50000	130000
99	Savanur	Savanur	Baradur	Modinasab Hajatasab Shekasanadi	128000	75000	53000
100	Savanur	Savanur	Baradur	Shankrappa Gulappa Byagavadi	130000	64000	66000

101	Savanur	Savanur	Baradur	Shivanandayya Shivarudrayya Hiremath	165000	56000	109000
102	Savanur	Savanur	Baradur	Manjunath Kotrappa Hosajetti	148000	45000	103000
103	Savanur	Savanur	Baradur	Basappa Neelappa Khoti	97000	44000	53000
104	Savanur	Savanur	Baradur	Virupakshappa Devindrappa Badiger	105000	51000	54000
105	Savanur	Savanur	Baradur	Beerappa Phakkirappa Kotiyavar	28000	25000	3000
106	Savanur	Savanur	Baradur	Parashuram Phakkirappa Kotiyavar	153000	48000	105000
107	Savanur	Savanur	Baradur	Shivanagouda Veeranagouda Hombardi	150000	166000	-16000
108	Savanur	Savanur	Baradur	Virupakshayya C Gundaramath	140000	139000	1000
109	Savanur	Savanur	Baradur	Sivayya Huchchaiyanavaramth	200000	218000	-18000
110	Savanur	Savanur	Baradur	Huchchayya Chandrashekarayya Huchchaiyanavaramth	270000	220000	50000
111	Savanur	Savanur	Baradur	Mallikarjuna Verupakshappa Angadi	60000	66400	-6400
112	Savanur	Savanur	Baradur	Shantalingayya Huchchayya	65000	59000	6000
113	Savanur	Savanur	Baradur	Adivappa Gadigappa Byagadi	40000	175000	-135000
114	Savanur	Savanur	Baradur	Ramappa Rudrappa Bhimaji	72000	130000	-58000
115	Savanur	Savanur	Baradur	Ramesh Ningappa Sullalli	300000	238000	62000
116	Savanur	Savanur	Baradur	Satish Mallihalli / Channabasavva Sangappa Mallihalli	550000	335000	215000
117	Savanur	Savanur	Baradur	Martandappa Kanakappa Harijan	72000	33000	39000
118	Savanur	Savanur	Baradur	Hanumantagouda Patil	190000	138000	52000
119	Rattihalli	Rattihalli	Yadagoda	Shiddanagouda Basanagouda Gangappanavar	162000	160000	2000
120	Rattihalli	Rattihalli	Yadagoda	Madegouda Ujjanagouda Patil	187000	185000	2000
121	Rattihalli	Rattihalli	Yadagoda	Manjappa Ningappa Kurabar	259000	250000	9000
122	Rattihalli	Rattihalli	Yadagoda	Hanumantappa B Kankannanavar	164200	100000	64200
123	Rattihalli	Rattihalli	Yadagoda	Hanumanta Ujjappa Haveri	124000	112000	12000
124	Rattihalli	Rattihalli	Yadagoda	Rudrappa Doddappa Doddamani	149000	105000	44000
125	Rattihalli	Rattihalli	Yadagoda	Doddappa Basappa Kurabar	115000	105000	10000

126	Rattihalli	Rattihalli	Yadagoda	Mallasheppa Hanumantappa Haveri	155000	135000	20000
127	Rattihalli	Rattihalli	Yadagoda	Basavaraj Kadappa Haveri	140000	130000	10000
128	Rattihalli	Rattihalli	Yadagoda	Shiddanagouda Ujjanagouda Gangappanavar	103000	100000	3000
129	Rattihalli	Rattihalli	Yadagoda	Basanagouda Ujjanagouda Nagappanavar	65780	250000	-184220
130	Rattihalli	Rattihalli	Yadagoda	Sannagouda Shiddanagouda Soramar	139000	107000	32000
131	Rattihalli	Rattihalli	Yadagoda	Manjanagouda V Majjoudru	187000	150000	37000
132	Rattihalli	Rattihalli	Yadagoda	Veeranagouda Uddanagouda Majjoudru	60000	42000	18000
133	Rattihalli	Rattihalli	Yadagoda	Hanumanthgouda Basanagouda Kademani	95000	80000	15000
134	Rattihalli	Rattihalli	Yadagoda	Shivarudrayya Shiddalingayya Mathd	200000	160000	40000
135	Rattihalli	Rattihalli	Yadagoda	Bharamagouda Channabasanagouda Patil	268000	240000	28000
136	Rattihalli	Rattihalli	Yadagoda	Mallikarjuna Shiddalingayya Mathad	144000	130000	14000
137	Rattihalli	Rattihalli	Yadagoda	Sadanandayya Shidalingayya Mathad	120800	115000	5800
138	Rattihalli	Rattihalli	Yadagoda	Veerayya Mantayya Bairanamadamath	178000	170000	8000
139	Rattihalli	Rattihalli	Yadagoda	Gurumurthy Siddalingayya Mataad	49000	40000	9000
140	Rattihalli	Rattihalli	Yadagoda	Basanagouda Gangappanavar	129000	120000	9000
141	Rattihalli	Rattihalli	Yadagoda	Siddanagouda Basanagouda Siragmbi	574000	420000	154000
142	Rattihalli	Rattihalli	Yadagoda	Somanagouda Ujjanagouda Gangappanavar	178000	170000	8000
143	Rattihalli	Rattihalli	Yadagoda	Naganagouda Basanagouda Gangappanavar	317000	215000	102000
144	Rattihalli	Rattihalli	Yadagoda	Hemappa Ramappa Uppar	95000	60000	35000
145	Rattihalli	Rattihalli	Yadagoda	Vasanta Heemappa Uppar	174000	130000	44000
146	Rattihalli	Rattihalli	Yadagoda	Rudrayya Prabayya Bairanapadamath	226000	150000	76000
147	Rattihalli	Rattihalli	Yadagoda	Devendrappa Halappa Haveri	70000	50000	20000
148	Rattihalli	Rattihalli	Yadagoda	Basavarajappa Halappa Karabannanavar	180000	103000	77000
149	Rattihalli	Rattihalli	Yadagoda	Chandrashekarayya Veerayya Bairanapadamath	10000	99000	-89000
150	Rattihalli	Rattihalli	Yadagoda	Prakash Tippayya Bairanapadamath	90000	88000	2000
151	Rattihalli	Rattihalli	Yadagoda	Mallikarjunayya Tippayya Bairanapadamath	108000	95000	13000

152	Rattihalli	Rattihalli	Yadagoda	Siddayya Veerayya Mathd	54000	42000	12000
153	Rattihalli	Rattihalli	Yadagoda	Rudramuni Tippayya Bairanapadamath	30000	12500	17500
154	Rattihalli	Rattihalli	Yadagoda	Halappa Shivappa Neshwi	200000	44000	156000
155	Rattihalli	Rattihalli	Yadagoda	Gadegayya Irabhadrayya Mathad	143000	105000	38000
156	Rattihalli	Rattihalli	Yadagoda	Irabasayya Mantayya Bairanapadamath	150000	118000	32000
157	Rattihalli	Rattihalli	Yadagoda	Yallappa Halappa Haveri	80000	46000	34000
158	Rattihalli	Rattihalli	Yadagoda	Gadigeppa Tirakappa Pujar	198000	64000	134000
159	Rattihalli	Rattihalli	Yadagoda	Shivaputrappa Veerayya Bairanapadamath	71500	49500	22000
160	Rattihalli	Rattihalli	Yadagoda	Nagappa Ujjappa Haveri	50000	41000	9000
161	Rattihalli	Rattihalli	Yadagoda	Lokesha Chandrappa Madivalar	85000	73000	12000
162	Rattihalli	Rattihalli	Yadagoda	Mallikarjunayya Vishnatayya Bairanapadamath	285000	145000	140000
163	Rattihalli	Rattihalli	Yadagoda	Nagaraj Darmappa Madivalar	117000	97500	19500
164	Rattihalli	Rattihalli	Yadagoda	Siddlingappa Siddappa Kurabar	115000	110000	5000
165	Rattihalli	Rattihalli	Yadagoda	Bharamagouda Halappa Gangappanavar	44000	22500	21500
166	Rattihalli	Rattihalli	Yadagoda	Halayya Gurupadayya Molebennurmth	50000	21500	28500
167	Rattihalli	Rattihalli	Yadagoda	Nagappa Nagappa Sappalli	280000	49000	231000
168	Rattihalli	Rattihalli	Yadagoda	Karabasanagouda Ujjanagouda Kademani	325000	333000	-8000
169	Rattihalli	Rattihalli	Yadagoda	Bharamagouda Ujjanagouda Patil	260000	119500	140500
170	Rattihalli	Rattihalli	Yadagoda	Sadashivayya Adivayya Matad	70000	19200	50800
171	Rattihalli	Rattihalli	Yadagoda	Maralappa Jayappa Chalageri	155000	111000	44000
172	Rattihalli	Rattihalli	Yadagoda	Shashikumar Jayappa Chalageri	150000	89000	61000
173	Rattihalli	Rattihalli	Yadagoda	Rudrappa Huchhengappa Sanjivannanavar	110000	79000	31000
174	Rattihalli	Rattihalli	Yadagoda	Huchhengappa Mukabasappa Sanjivannanavar	120000	36000	84000
175	Rattihalli	Rattihalli	Yadagoda	Gadigeppa Basavanneppa Olekar	80000	65000	15000
176	Rattihalli	Rattihalli	Yadagoda	Karegouda Ujjanagouda Ujjappanavar	90000	67500	22500

177	Rattihalli	Rattihalli	Yadagoda	Sannagouda Ramanagouda Gangappanavar	420000	136000	284000
178	Rattihalli	Rattihalli	Yadagoda	Veeranagouda Mahadevagouda Patil	145000	122000	23000
179	Rattihalli	Rattihalli	Yadagoda	Nagayya Gurupadayya Malebennuramath	50000	24500	25500
180	Rattihalli	Rattihalli	Yadagoda	Ninganagouda Siddanahgouda Soratur	49000	30000	9000
181	Rattihalli	Rattihalli	Yadagoda	Ujjanagouda Manjanagouda Channappanavar	200000	188000	12000
182	Rattihalli	Rattihalli	Yadagoda	Iranagouda Basappa Gangappanavar	444000	269000	175000
183	Rattihalli	Rattihalli	Yadagoda	Shivaraj Siddanagouda Kademani	170720	168000	2720
184	Rattihalli	Rattihalli	Yadagoda	Basayyarudrayya Rudrayya Bairanapadamath	102400	95000	7400
185	Rattihalli	Rattihalli	Yadagoda	Naganagouda Basanagouda Gangappanavar	74000	70000	4000
186	Rattihalli	Rattihalli	Yadagoda	Suresh Ujjanagouda Channapanavar	230000	170000	60000
187	Rattihalli	Rattihalli	Yadagoda	Veeranagouda Channabasanagouda Kademani	139200	116000	23200
188	Rattihalli	Rattihalli	Yadagoda	Revanayya Shivamurtayya Bairanapadamath	81500	79000	2500
189	Rattihalli	Rattihalli	Yadagoda	Siddanagouda Adivpeppagouda Gangappanavar	300000	250000	50000
190	Rattihalli	Rattihalli	Yadagoda	Shivanagouda Ujjanagouda Gangappanavar	400000	375000	25000
191	Rattihalli	Rattihalli	Yadagoda	Somashekar Bharamappa Neshwi	83000	121500	-38500
192	Rattihalli	Rattihalli	Yadagoda	Naganagouda Ujjanagouda Gangappanavar	215000	212000	3000
193	Rattihalli	Rattihalli	Yadagoda	Karegouda Channabasavagouda Gangappanavar	370000	260000	110000
194	Rattihalli	Rattihalli	Yadagoda	Bharamappa Basappa Kankannanavar	130000	47500	82500
195	Rattihalli	Rattihalli	Yadagoda	Siddanagouda Doddabasappa Gangappanavar	185000	92000	93000
196	Rattihalli	Rattihalli	Yadagoda	Kumarcharya Chankarcharya Kammar	80000	19500	60500
197	Rattihalli	Rattihalli	Yadagoda	Shivashanragouda Veeranagouda Kademani	70000	66000	4000
198	Rattihalli	Rattihalli	Yadagoda	Siddanagouda Basavanagouda Soraturu	70000	45000	25000
199	Rattihalli	Rattihalli	Yadagoda	Basanagouda Ujjanagouda Gangappanavar	445000	420000	25000
200	Rattihalli	Rattihalli	Yadagoda	Karabasayya Mantayya Bairanapadamath	236000	103000	133000
201	Rattihalli	Rattihalli	Yadagoda	Madavayya Rudrayya Bairanapadamath	27000	62000	-35000

202	Rattihalli	Rattihalli	Yadagoda	Shivanagouda Mudigouda Patil	268000	125000	143000
203	Rattihalli	Rattihalli	Yadagoda	Gurasiddayya Virabadrappa Mathd	109000	100000	9000
204	Rattihalli	Rattihalli	Yadagoda	Dyamappa Ningappa Patil	235000	130000	105000
205	Rattihalli	Rattihalli	Yadagoda	Nagappa Basanagouda Ujjappanavar	165000	107000	58000
206	Rattihalli	Rattihalli	Yadagoda	Drakshani Bharamagouda Gangappanavar	36000	40500	-4500
207	Rattihalli	Rattihalli	Yadagoda	Irappa Ujjappa Iddageri	162000	138000	24000
208	Rattihalli	Rattihalli	Yadagoda	Halagouda Siddanagouda	105000	80500	24500
209	Rattihalli	Rattihalli	Yadagoda	Paramma Hanumanthgouda	102000	51000	51000
210	Rattihalli	Rattihalli	Yadagoda	Nagannagouda Basanagouda Patil	214000	95000	119000
211	Rattihalli	Rattihalli	Yadagoda	Bharamagouda Ujjanagouda Gangappanavar	225000	137000	88000
212	Rattihalli	Rattihalli	Yadagoda	Bharamappa Siddalingappa Doddamani	292000	280000	12000
213	Rattihalli	Rattihalli	Yadagoda	Channabasappa Basalingappa	108000	90000	18000
214	Rattihalli	Rattihalli	Yadagoda	Gangannagoda Basalingappa	196500	107000	89500

2.10 Priority thrust areas

S. No	Thrust area
1.	Integrated crop management (Soil fertility management, weed management, Pest and diseases management) in Maize Paddy, Sugarcane Bt-Cotton and Pulses
2.	Trash management in sugarcane
3.	Integrated pest and disease management in Mango, Onion, Betelvine
4.	Animal nutrition management
5.	Drudgery reduction in Groundnut, Maize, Bengalgram, Millets and Redgram
6.	Processing and value addition in Millets
7.	Food security through Terrace garden and Nutrition garden

PART III - TECHNICAL ACHIEVEMENTS (2019)

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
09	09	27	27	14	14	120	120
-	-	-	-	-	-	-	-

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
91	47	2290	1416	818	278	55,051	2945

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
Redgram (BSMR-736) -15q	-	Sapota (DHS-1&2) - 1500	503
Sorghum (SPV-2217) -10q	-	Curry leaf (Suvasini) - 1500	1104
Foxtail millet (Dhft-109-3) – 10q	7.0	Tamarind (Local) – 50	04
Little millet (Dhlm-36-3) – 5q	1.10	Drumstick (Bhagya) – 200	120
Sunhemp (Local) – 20q	-	Guava (L-49) – 100	38
Barnyard millet (Dhbm-93-2) – 10q	5.0	-	-
Finger millet (Dhfm-78-3) – 3q	1.8	-	-

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Deccani Sheep 12	10	Trichoderma 500	397 kg
HF-Crossbred -08	06	-	-

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	
													No.	Kg
1		Paddy	<ul style="list-style-type: none"> Low silicon content in soil Low yield Incidence of pest and diseases 	Assessment of Paddy variety for Northern transitional Zone of Haveri	-	02	-	01	-	0.75 Seeds	-	-	3.0	1.2
2		Chilli	<ul style="list-style-type: none"> Lack of knowledge on improved Hybrids Poor soil fertility Incidence of pest and diseases 	Assessment of chilli hybrids for yield potential, disease & pest resistance	-	-	-	-	04	0.28 kg	-	-	-	-
3		Banana	<ul style="list-style-type: none"> Incidence of disease Low in yield Poor quality 	Effective control of Panama wilt by using stem injection method to enhance yield in Banana	-	-	-	-	03	-	-	-	-	-
4		Mango	<ul style="list-style-type: none"> Incidence of leaf hopper and powdery mildew Low yield 	Management of Leaf hopper and powdery mildew in Mango	-	-	-	-	02	-	-	-	-	-

5		Cotton	<ul style="list-style-type: none"> •Nutrient by High level of flower & square shedding •Boll Bursting Low yield due to poor management practices 	Assessment of Cotton PLUS in cotton	-	02	-	01	-	-	-	-	03	09 kg
6		Sugarcane	<ul style="list-style-type: none"> •High cost on fertilizers •Low organic matter due to burning of trash/residues (50-70%) Current yield : 75-100 t/ha Potential yield: 170-200 t/ha Reasons for yield gap: Disease incidence 	Assessment of compost culture for the management of Sugarcane trash	-	02	-	-	02	-	-	-	-	-
7		Groundnut	<ul style="list-style-type: none"> •Non availability short duration varieties in kharif 	Assessment of groundnut varieties for short duration and higher productivity	-	01	-	-	-	55 kg Seeds	-	-	-	-
8		Green gram	<ul style="list-style-type: none"> •Non availability high yielding varieties in kharif 	Assessment of greengram variety KKM – 3 for higher yield	-	-	-	-	-	3 kg Seeds	-	-	-	-
9	Backyard poultry	Poultry	Low weight gain, Low egg production	Evaluation of Performance of Swarnadhara poultry with other poultry birds	-	-	-	-	05	-	-	180	-	-
10		Maize	<ul style="list-style-type: none"> •Low Yield (18-20 q/ac) •Pest incidence •Micro nutrient deficiency 	Demonstration of FAW and Macronutrient management in Maize	-	02	-	-	01	-	-	-	-	-
11		<i>Rabi Sorghum</i>	<ul style="list-style-type: none"> •Low yield due to use of local variety •Lodging and poor fodder quality 	Demonstration of <i>Rabi sorghum</i> variety SPV-2217	-	02	-	01	03	3 kg	-	-	-	-

12		Foxtail millet	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Demonstration of Intercropping system of Redgram + foxtail millet (1:2) for higher yield and income	01	-	-	02	3 kg Seeds	-	-	01	250 gm
13		Little millet	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Demonstration of Intercropping with Redgram + Little millet (1:2) for higher yield and income	01	-	-	02	3 kg Seeds	-	-	01	250 gm
14		Soybean	<ul style="list-style-type: none"> •Use of local variety •No seed treatment •Poor nutrient management •Lack of knowledge pest and disease management 		Demonstration of Soybean variety DSB-23	02	-	-	02	250 kg Seeds	-	-	-	-
15		Sugarcane	<ul style="list-style-type: none"> •Low yield •Poor nutrient management •Poor pest and disease management 		IPDM in Sugarcane	01	-	-	01	-	-	-	-	-

16		Sugarcane	<ul style="list-style-type: none"> •Low Yield •Micro nutrient deficiency at early growth period 		Demonstration of micro nutrient application in early crop growth stages of Sugarcane	-	-	-	-	-	-	-	-	-
17		Betelvine	<ul style="list-style-type: none"> Low yield (10-15 lakhs leaves/ha) Incidence of Wilt (15-20%) 		ICM in Betelvine	01	-	-	04	-	-	-	02	100
18		Tomato	<ul style="list-style-type: none"> •Micronutrient deficiency •Imbalanced Nutrients Management •Low yields 		Micronutrient Management in Tomato using vegetable special	-	-	-	-	-	-	-	-	-
19		Onion	<ul style="list-style-type: none"> •Micronutrient deficiency •Poor quality of bulbs •Low yields 		Micronutrient Management in onion using vegetable special	01	-	-	05	-	-	-	-	-
20		Banana	<ul style="list-style-type: none"> •Micronutrient deficiency •Imbalanced fertilizer application •Low yields 		ICM in Banana	02	-	-	04	-	-	-	-	-
21	Fodder	Fodder	Fodder scarcity, low milk yield	-	Demonstration fodder crops	03	01	-	05	47.5kg	-	-	-	-

22	Sheep and Goat	Sheep and Goat	Mineral and energy deficiency lead to low weight gain	-	Energy and non-protein nitrogen source supplementation through UMMB in small ruminants (Under Progress)	02	-	-	02	-	-	-	-	-
23	Fisheries	Fisheries	Under utilized farm pound Low Weight gain	-	Composite fish cultivation	-	-	-	02	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Assessment of Paddy variety for Northern transitional Zone of Haveri	UAS Bengaluru	Paddy	01	-	01	Group discussion-2
2	Assessment of chilli hybrids for yield potential, disease & pest resistance	UAS, Bengaluru IIHR, Bengaluru	Chilli	01	-	-	Group discussion-1
3	Effective control of Panama wilt by using stem injection method to enhance yield in Banana	UHS, Bagalkot UAS Dharwad	Banana	01	-	-	Group discussion-1, Method demonstration-1
4	Management of Leaf hopper and powdery mildew in Mango	UHS, Bagalakov IIHR Bangalore	Mango	01	-	01	Group Discussion -2
5	Assessment of Cotton PLUS in cotton	UAS Dharwad TNAU, Tamil Nadu	Cotton	01	-	-	Group discussion
6	Assessment of compost culture for the management of Sugarcane trash	UAS, Dharwad, NRCB	Sugarcane	01	-	-	Group discussion
7	Assessment of groundnut varieties for short duration and higher productivity	UAS, Dharwad MPKV, Rahuri	Groundnut	01	-	01	Group discussion
8	Assessment of greengram variety KKM – 3 for higher yield	UAHS, Shivamogga UAS, Dharwad	Green gram	01	-	01	Group discussion
9	Evaluation of Performance of Swarandara Poultry with other poultry birds	KVAFSU, Bidar CPDO, Bangalore	Poultry	01	-	-	Method demonstration -1 Group Discussion -2
10	Demonstration of FAW and Macronutrient management in Maize	UAS, Dharwad	Maize	-	01	02	Method demon -1 Group Discussion -2
11	Demonstration of Rabi sorghum variety SPV-2217	UAS, Dharwad	Rabi Sorghum	-	01	02	Group discussion
12	Demonstration of Intercropping system of Redgram + foxtail millet (1:2) for higher yield and income	UAS, Dharwad	Foxtail millet	-	01	02	Group discussion Field day
13	Demonstration of Intercropping with Redgram + Little millet (1:2) for higher yield and income	UAS, Dharwad	Little millet	-	01	02	Group discussion Field day

14	Demonstration of Soybean variety DSB- 23	UAS, Dharwad	Soybean	-	01	02	Method demon -1 Group Discussion -2
15	IPDM in Sugarcane	UAS, Dharwad	Sugarcane	-	01	01	Group Discussion -1
16	Demonstration of micronutrient application in early crop growth stages of Sugarcane	TNAU	Sugarcane	-	01	01	Group discussion-1
17	ICM in Betelvine	TNAU/ JNKVV, MP	Betel vine	-	01	01	Method demonstration-1, Group discussion-1
18	Micronutrient Management in Tomato using vegetable special	IIHR, Bengaluru	Tomato	-	01	-	Group discussion
19	Micronutrient Management in Onion using vegetable special	IIHR, Bengaluru	Onion	-	01	01	Method demonstration-1, Group discussion-1
20	ICM in Banana	IIHR, Bengaluru	Banana	-	01	02	Method demonstration-1, Group discussion-1
21	Demonstration On Fodder crops	TANU	Fodder	--	01	04	Method demon -1 Group Discussion -2
22	Energy and non-protein nitrogen source supplementation through UMMB in small ruminants	KMF	Sheep and goat	-	01	02	Method demon -1 Group Discussion -1 Diagnostic visit -1
23	Composite fish cultivation	KVAFSU	Fish	-	01	-	Group Discussion -1

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	
1	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	02	-	01	-	-	-	-	-	-	-	-	-	04	01	02	-
3	03	-	-	-	-	-	-	-	-	-	-	-	06	-	02	-
4	05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	03	-	-	-	-	-	-	15	-	08	-	12	-	-	-	-
6	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	02	0	01	0	-	-	-	-	-	-	-	-	15	03	01
10	-	-	-	-	05	-	-	-	25	-	08	-	-	-	-	-
11	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	07	-	03	-	25	-	05	-	-	-	-	-
13	-	-	-	-	08	-	02	-	18	-	04	-	-	-	-	-
14	-	-	-	-	08	-	02	-	22	-	06	-	-	-	-	-
15	-	-	-	-	08	-	02	-	18	-	02	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	04	-	01	-	30	-	04	-	08	-	04	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	07	-	03	-	11	08	-	-	04	02	01	-
20	-	-	-	-	08	-	02	-	35	-	-	-	09	-	04	-
21	-	-	-	-	-	05	00	0	0	38	18	02	0	11	04	--
22	-	-	-	-	08	-	02	-	22	-	-	-	11	03	01	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	08	-	03

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	01	-	-	-	01
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	01	-	-	-	01

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

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	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	Sugarcane	Assessment of compost culture for the management of Sugarcane trash	03	03	1.2
	Cotton	Assessment of Cotton PLUS in cotton	03	03	1.2
Varietal Evaluation	Groundnut	Assessment of groundnut varieties for short duration and higher productivity	03	03	2.0
	Green gram	Assessment of greengram variety KKM – 3 for higher yield	03	03	2.0
	Paddy	Assessment of Paddy variety for Northern transitional Zone of Haveri	03	03	1.2
	Chilli	Assessment of chilli hybrids for yield potential, disease & pest resistance	03	03	1.2
Integrated Pest Management	Mango	Management of Leaf hopper and powdery mildew in Mango	03	03	2.0
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	Banana	Effective control of Panama wilt by using stem injection method to enhance yield in Banana	03	03	1.2
	-	-	-	-	-
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	-	-	24	24	12.0

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	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 and other enterprises : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

4.C1.Results of Technologies Assessed

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)	
1	2	3	4	5	6	7	8	9	10	11	12	13	
Paddy	Irrigated		Assessment of Paddy variety for Northern transitional Zone of Haveri	03	TO1: Farmers Practices (100)	-	-	-	-	-	-	-	
					TO2 :Gangavathi Sona	UAS Raichur	Under progress	-	-	-	-		
					TO3 : Rnr 15048	-	-	-	-	-	-		
Groundnut	Irrigated		Assessment of groundnut varieties for short duration and higher productivity	03	TO1:Farmers Practices		17.17	q/ha	Dur ation 120	No. pods/ plant 19.33	84117 /-	52617/-	2.67
					TO2 : G-2-52	UAS, Dharwad	22.67	q/ha	115	25.50	111067/-	73347/-	2.94
					TO3 : JL-1064	MPKV, Rahuri	23.17	q/ha	110	27.83	113517/-	75797/-	3.01
Greengram	Irrigated		Assessment of Greengram Varieties KKM-3 for higher yield	03	TO1:Farmers Practices		5.68	q/ha	No. pods/plant	Dise ase Incidence (%)	34668 /-	16043/-	1.86
									16.67	11.67			

					TO2 : KKM - 3	UAHS, Shivamogga	6.27	q/ha	19.33	6.27	38227/-	16547/-	1.76
					TO3 : DGGV - 2	UAS, Dharwad	6.18	q/ha	18.67	6.18	37718/-	16038/-	1.74
Sugarcan e	Irrigated		Assessment of compost culture for the management of Sugarcane trash	03	TO1: Burning of trash/residue (Farmers Practice)	-	-	-	-	-	-	-	-
					TO2 : Retention of residue & appln. of compost culture @6 kg/Ac.	UAS,Dharwad	Under progress	-	-	-	-	-	
					TO3 : Retention of residue + appln. of liquid decomposer 1 lit	NRCB	-	-	-	-	-	-	
Cotton	Irrigated		Assessment of Cotton PLUS in cotton	03	TO1: Micronutrient through RDF	UAS Dharwad	Under progress	-	-	-	-	-	-
					TO2 : Cotton Plus	TNAU, Tamil Nadu	-	-	-	-	-	-	
					TO3 : Farmers practice	-	-	-	-	-	-	-	
Mango	Irrigated	Incidence of leaf hopper and powdery mildew and low fruit yield	Management of Leaf hopper and powdery mildew in Mango	03	TO1: Farmers practice	-	46.25	q/ha	Leaf hopper (%) 15.4	Powdery mildew 20.6	115625/-	93625/-	5.26
					TO2 : Application of Imidacloprid @ 0.25 ml + Hexaconazole 1 ml/L @ flower initiation stage and @ fruit setting stage	UHS, Bagalakot	50.25	q/ha	6.8	9.4	125625/-	107125/-	6.79
					TO3 : Application of Lambdacyhalothrin @ 0.5 ml + Difenconazole 1 ml/L @ flower initiation stage and @ fruit setting stage	IIHR Bangalore	68.50	q/ha	6.0	5.6	171250/-	146750/-	6.99
Banana	Irrigated	Panama wilt disease, low yield	Effective control of Panama wilt by using stem injection method to enhance yield in Banana	03	T.O.1 (Farmers practice)		Under progress	-	Wilt index (%) 35.56	-	-	-	
					T.O.2 (Drenching with copper Oxchloride @ 3 gm/ liter of water)	UHS, Bagalkot	-	21.47	-	-	-		

					T.O.3 (Stem injection with 3 gm of carbendazim + 3 gm of copper oxychloride + 3 gm of boric acid per liter of water)	UAS, Dharwad		-	16.82	-	-	-
Chilli	Irrigated	Lack of knowledge on improved hybrids, Incidence of pest and diseases Low yield	Assessment of chilli hybrids for yield potential, disease & pest resistance	03	TO1: Farmers practice	-	Under progress	-	-	10 seedlings fresh weight (gm)	-	-
							0.47					
					TO2 : KBCH-1	UAS, Bangalore	-	-	0.43	-	-	
		TO3 : Arka Meghana	IIHR, Bangalore	-	-	0.46	-	-				
Poultry	Backyard	less eggs and low bodyweight gain, Low quality meat, Less profit	Evaluation of Performance of Swarnadara Poultry with other poultry birds	03	TO1: Farmers practice		Under progress	-	-	-	-	-
					TO2 : Swarnadhara	KVAFSU, Bidar	-	-	-	-	-	
					TO3 : Gramapriya	KVK,CCRI, Goa	-	-	-	-	-	
					TO4: Shrinidhi	PD Poultry, Hyderabad	-	-	-	-	-	

4.C2. 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

01	Title of Technology Assessed	:	Assessment of Greengram Varieties KKM-3 for higher yield
02	Performance of the Technology on specific indicators	:	Green gram variety of KKM 3 performed better over both DGGV 2 and farmer practice (local variety) with respect to yield & economics and less pest incidence
03	Specific Feedback from farmers	:	This variety performed better with respect to yield and economics. And also the same variety having low incidence of pest and disease, this will help us to fetch good market price. The number of pods per plant high as compared to other.
04	Specific Feedback from Extension personnel and other stakeholders	:	Very much convinced that the following technology is very much needed to boost the farmer income. It will also help to increase area under this crop.
05	Feedback to Research System based on results and feedback received	:	-

01	Title of Technology Assessed	:	Assessment of groundnut varieties for short duration and higher productivity
02	Performance of the Technology on specific indicators	:	Ground nut variety of JL 1085 performed better over both G2 52 and farmer practice (GPBD 4) with respect to yield & economics and less pest incidence
03	Specific Feedback from farmers	:	This variety performed better with respect to yield and economics. And also the same variety having low incidence of pest and disease, this will help us to fetch good market price. The number of pods per plant high as compared to other.
04	Specific Feedback from Extension personnel and other stakeholders	:	Very much convinced that the following technology is very much needed to boost the farmer income. It will also help to increase area under this crop.
05	Feedback to Research System based on results and feedback received	:	-

01	Title of Technology Assessed	:	Management of leaf hopper and powdery mildew in Mango
02	Performance of the Technology on specific indicators	:	Application of Application of Lambdacyhalothrin @ 0.5 ml + Difenconazole 1 ml/L @ flower initiation stage and @ fruit setting stage reduces the pest and disease incidence and increases the fruit yield. The fruit yield increased to an extent of 48.0 % over farmers practice
03	Specific Feedback from farmers	:	Application of Lambdacyhalothrin @ 0.5 ml + Difenconazole 1 ml/L @ flower initiation stage and @ fruit setting stage increases the fruit yield
04	Specific Feedback from Extension personnel and other stakeholders	:	Very much convinced that, use of Lambdacyhalothrin @ 0.5 ml + Difenconazole 1 ml/L of water was found effective against leaf hopper and powdery mildew respectively.
05	Feedback to Research System based on results and feedback received	:	-

4.D1. Results of Technologies Refined

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs./unit	Net Return Rs./unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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

PART V - FRONTLINE DEMONSTRATIONS (2019)

5.A. Summary of FLDs implemented

Sl. No.	Category	Farmin g Situatio n	Season	Crop	Variety/ breed	Hybrid	Themati c area	Technology Demonstrate d	Area (ha)		Farmers (No.)		Farmers (No.)	
									Propose d	Ac tua l	SC/ ST	Oth ers	Small / Margi nal	Oth ers
01	Oilseeds													
	Soybean	Rainfed	Kharif	Soybean	DSb- 23	-	Varietal introduct ion	Use of HYV DSb - 23 Seed treatment with bio- fertilizer and bio pesticides Management of leaf eating caterpillars	4.0	4.0	02	08	10	-
02	Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
03	Cereals													
04	Maize	Irrigate	Kharif	Maize	-	Pvt. Hy.	Varietal introduct ion	Seed treatment with bio- fertilizer and bio pesticides Soil application of FeSO ₄ & ZnSO ₄ @ 25 kg/ha along with 50 kg Vermicompost at the time of sowing Setting up Pheromone traps @ 12 / ac for Mass trapping fall army worm. Application of <i>Nomuraea rileyii</i> @ 2 g/L of water Need based application of Ema. Benz. @ 0.25g/l	2.0	2.0	-	05	05	
05	Rabi Sorghum	Rain fed	<i>Ra bi</i>	Rabi Sorgh um	SPV- 2217	-	Integrate d crop manage ment	SPV-2217 Variety (Lodging resistant, stay green & high fodder yield) Seed treatment with Trichoderma, Azospirillum Soil application with ZnSO ₄ before sowing Whorl application of Carbofuran at the time of shoot weevil incidence	04	04	03	07	04	06
06	Millets													
	Foxtail Millet	Rain fed	Kh arif	Foxtai l mille	DHft -109- 3 &	-	Demonst ration of Pigeonpe	Seed treatment with <i>Azospirillum</i> .	04	04	03	07	10	-

					TSR-3		a + foxtail millet for higher yield and income	DHFt-109-3 TS 3 R						
	Little Millet	Rain fed	Kh arif	Little millet	DHL m-36—3 & TSR	-	Demonstration of Pigeonpe a + foxtail millet for higher yield and income	Seed treatment with <i>Azospirillum</i> . DHLm36-3 & TS 3R	04	04	02	08	10	-
07	Vegetables													
	Onion	Irrigated	Kh arif	Onion	Bellary red	-	ICM	Vegetable special application , soil test based nutrient management	4.0	4 . 0	0 1	0 9	06	0 4
08	Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-
09	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Fruit													
	Banana	Irrigated	Kh arif	Banana	Elakki	-	ICM	Enrichment of FYM with Trichoderma, pseudomonas and PSB, Application of Banana special, Bunch feeding with urea and SOP	4.0	4 . 0	0 3	0 7	05	0 5
11	Spices and condiments													
	Beetlevine	Irrigated	Rabi	Beetlevine	Ambadi	-	ICM	Trichoderma, Pseudomonas enriched FYM , Neem cake application during June & July (200 g/vine),Lowering of vine in the month of December Carboxin (0.2 %) drenching during lowering	2.0	2 . 0	0 3	0 2	05	0

31	Implemen ts	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Others (specify) Fisheries	-	-	-	-	-	-	Composite fish cultivation (Under Progress)	05	05	-	05	05	-

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

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	
01	Oilseeds												
	Soybean	Rainfed	Kharif	Soybean	DSb- 23	-	Varietal introduction	Use of HYV DSb - 23 Seed treatment with bio-fertilizer and bio pesticides Management of leaf eating caterpillars	<i>Kharif</i> – 2019	M	M	M	Cotton
02	Pulses												
03	Cereals												
	Maize	Irrigate	Kharif	Maize	-	Pvt. Hy.	Varietal introduction	Seed treatment with bio-fertilizer and bio pesticides Soil application of FeSO ₄ & ZnSO ₄ @ 25 kg/ha along with 50 kg Vermicompost at the time of sowing Setting up Pheromone traps @ 12 / ac for Mass trapping fall army worm. Application of <i>Nomuraea rileyii</i> @ 2 g/L of water Need based application of Ema. Benz. @ 0.25g/l	<i>Kharif</i> – 2019	M	M	M	Maize
04	Millets												
	Foxtail Millet	Rainfed	Kharif	Foxtail millet	DHFt 96-3 & TS 3R	-	Demonstration of Pigeonpea + foxtail millet for higher yield and income	Foxtail millet variety: DHFt 96-3, Pigeonpea Variety: TS 3 R, Seed treatment with Bio-fertilizer.	<i>Kharif</i> - 2019	L	M	M	maize
	Little Millet	Rainfed	Kharif	Little Millet	DHLm36-3 & TS 3R	-	Demonstration of Pigeonpea + Little millet for higher yield and income	Little millet variety: DHLm 36-3, Pigeonpea Variety: TS 3 R, Seed treatment with Bio-fertilizer.		L	M	M	maize

Fruit																	
Banana	Enrichment of FYM with Trichoderma, pseudomonas and PSB, Application of Banana special, Bunch feeding with urea and SOP	Elakki	-	Irrigated	10	4.0	35.12	29.50	33.09	27.97	18.30	529440.00	380540.00	3.56	447520	301620	3.07
Spices and condiments																	
Betelvine	Trichoderma, Pseudomonas enriched FYM, Neem cake application during June & July (200g/vine). Lowering of vine in the month of December Carboxin (0.2%) drenching during lowering	Ambadi	-	Irrigated	05	20	-	-	-	Under progress	-	-	-	-	-	-	-
Commercial																	
Sugarcane	IPDM in sugarcane	Co-86032	-	Irrigation	10	4.0	-	-	-	Under progress	-	-	-	-	-	-	-
Sugarcane	Demonstration of micronutrient application in early crop growth stages of Sugarcane	-	-	Irrigation	10	4.0	-	-	-	Under progress	-	-	-	-	-	-	-
Fibre crops like cotton																	
Medicinal and aromatic																	
Fodder	Demonstration Fodder Cafeteria	CoFS-31, Hedge Lucerne, A TM, Cowpea	-	Irrigated	5	2	74.75	65	70.1	50	40%	86400	45150	2.09	70200	30450	1.7
Plantation																	
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

Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	Composite fish cultivation (Under Progress)	Common crop, Rohu	5	1/m ²	Weight gain (g), Length (cm)	-	-	-	-	-	-	-	-	-	-

* 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.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety / species	No. of Demo	Units / Area {m ² }	Name of the parameter with unit	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m ²)			*Economics of check (Rs./unit) or (Rs./m ²)		
						Demo				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.B.5. Farm implements and machinery

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 labour saved (viz., reduction in drudgery, time etc.)

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

Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	14	437	88	525	56	05	61	493	93	586

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	01	44	0	44	02	0	02	46	0	46
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	01	44	0	44	17	0	17	61	0	61
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	11	200	06	206	20	0	20	220	06	226
Soil and Water Conservation	02	73	05	78	03	05	08	76	10	86
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others ((Production and Management technology)	01	11	08	19	0	0	0	11	08	19
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	01	25	0	25	0	0	0	25	0	25
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	01	22	19	41	02	02	04	24	21	45

PART VIII – EXTENSION ACTIVITIES (2019)

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	03	66	09	75	05	02	07	48	09	57
Kisan Mela	02	60	15	75	08	03	11	03	0	03
Kisan Ghosthi	01	25	10	35	06	01	07	04	0	04
Exhibition	03	70	20	90	11	04	15	04	0	04
Film Show	02	64	20	84	1	05	06	02	0	02
Method Demonstrations	10	71	6	77	04	04	08	08	02	10
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	03	104	10	114	07	0	07	08	07	15
Group meetings	10	83	5	88	15	0	15	77	05	82
Lectures delivered as resource persons	06	120	25	145	25	15	40	145	40	185
Newspaper coverage	27	0	0	0	0	0	0	0	0	0
Radio talks	01	0	0	0	0	0	0	0	0	0
TV talks	02	0	0	0	0	0	0	0	0	0
Popular articles	15	0	0	0	0	0	0	0	0	0
Extension Literature	05	0	0	0	0	0	0	0	0	0
Advisory Services	97	210	15	225	42	03	45	180	12	192
Scientific visit to farmers field	06	10	0	10	5	0	5	15	0	15
Farmers visit to KVK	75	33	0	33	04	0	04	37	0	37
Diagnostic visits	11	38	0	38	12	0	12	50	0	50
Exposure visits	04	154	47	181	56	18	74	39	5	44
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	03	48	01	49	14	0	14	04	0	04
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	03	39	03	42	15	09	24	54	12	66
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	289	1195	186	1361	230	64	294	678	92	770

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	03.09.2019	70	110	180	09	67	76	09	04	13
Fertilizer Use Awareness Campaign	22.10.2019	100	-	100	15	-	15	07	-	07
National Animal Disease Control Programme	11.09.2019	58	07	65	06	-	06	06	-	06
Tree Plantation Campaign	-	-	-	-	-	-	-	-	-	-
Any other, Pl. specify										
Parthenium Awareness Campaign	20.08.19	37	03	40	15	09	24	06	-	06

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2019)**9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs) (Approximate)	Number of farmers to whom provided
Cereals (crop wise)	Foxtail millet	Dhft-109-3	TL	4.6	25,300	Yet to sale
	Foxtail millet	Dhft-109-3	CS	2.5	13,750	Yet to sale
	Little millet	Dhlm-36-3	TL	1.10	6,050	Yet to sale
	Rabi Sorghum	SPV-2217	TL	Yet to Harvest	-	-
	Barnyard Millet	DHB-93-2	TL	5.0	27,500	Yet to sale
Oilseeds	-	-	-	-	-	-
Pulses	Red gram	BSMR-736	TL	Yet to Harvest	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	Sun hemp	Local	TL	Yet to Harvest	-	-
Total				13.2	66,550	-

9.B. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	Curry leaf	Suvasini	-	1123	16,845	23
Fruits	Sapota	DHS-1&2	-	209	10,450	12
	Guava	L - 49	-	71	2840	03
	Tamarind	-	-	19	760	01
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total				1422	30,895	39

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	Trichoderma	397 kg	51,610.00	135
Bio Agents	-	-	-	-
Others (specify)	-	-	-	-
Total		397 kg	51,610.00	135

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows	HF crossbred	10	148300	09
Buffaloes	-	-	-	-
Calves	HF crossbred	2	7000	02
Others (Pl. specify)	Sheep-Deccani	18	59650	08
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl. specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	30	214950	19

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

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

(A) KVK Newsletter:

Date of start: _____ Periodicity: _____ Copies printed in each issue: _____

(B) Literature developed/published

Item	Number
Research papers- International	01
Research papers- National	03
Technical reports	02
Technical bulletins	01
Popular articles - English	0
Popular articles – Local language	15
Extension literature	05
Others (Pl. specify)	0
TOTAL	27

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1.	CD / DVD	-	-
2.	Mobile Apps	-	-
3.	Social media groups with KVK as Admin (Whatsapp)	KVK, Haveri	KVK, Scientist, Rtd professor University of Agricultural science and Rtd JDA,DDA,DDH,DDV including Haveri line departments(JDA,DDAs,DDH,ADAs,DDS,DDV,ADV,AO,AAOs officials),Progressive farmers, including NGOs and progressive framers
4.	Facebook account name	KVKHaveri	Public Veiw
5.	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

1. Title of the Success Story	:	Diversification in agriculture
Farmer Name	:	Mr. Muttresh Shivappa Bidarannanavar Village: Aladakatti Tq- Hanagal Dist: Haveri
Details of Success Story		
1. Background	:	Shri Muttresh is basically from the farming community but he has been realized low and unsustainable income due to undiversified cropping system.
2. Intervention Process	:	Shri. Muttresh visited the KVK, Hanumanamatti and line Departments to interact with officials and Scientist. The scientists from KVK, Hanumanamatti visited his field and gave suitable suggestions about diversified cropping system.
3. Intervention Technology	:	Shri Muttresh has been adopted improved cultivation practices for growing different agriculture and horticulture crops in his 3.5 acre land. He has maintained farm very well by putting bunds all along the farm with proper leveling and drainage system. He is cultivating diversified crops like field crops, flower crops, plantation crops, fodder crops and forest species. Apart from this he also maintained improved milch animals. He has 3.5 acre land and his farm contains many enterprises such as Mango (15 plants on bunds), coconut (20 plants on bunds), field crops (1.5 acre) flowers like tuberose, rose and marigold (1.5 acre), vegetables (0.5acre) and fodder crops (on bunds). Livestock such as cows (02 nos), buffalos (01 nos). On bunds side he planted forest species like teak and silver trees.
4. Impact Horizontal Spread	:	Shri Muttresh became a role model for the other farmers such as small and marginal farmers to ensure the sustainable livelihood security and constant farm income. Shri Muttresh also played a key role in the horizontal spread of technology and by understanding the benefit of this integrated farming system.
Impact Economic Gains	:	Shri Muttresh is fetching an income of 2 lakh per annum and maintaining sustainability since 5 years of his farming.
Employment Generation	:	He provided Employment for 6 women and 4 men labors throughout the year by cultivating different crops and by maintaining livestock animals.



1. Title of the Success Story	:	Improved management practices in Betel vine
Farmer Name	:	Mr: Bharamalingappa Bhimappa Asundi Village: Kakol Tq- Ranebennur Dist: Haveri
Details of Success Story		
1. Background	:	Shri Bharamalingappa is a progressive farmer of a Kakol village of Ranebennur Taluk. The cultivation of betel vine has been practiced by his ancestors and same has been practiced by Bharamalingappa on one acre land. But during initial period he could not realized better profit from betel vine cultivation.
2. Intervention Process	:	Shri. Bharamalingappa approached scientist from KVK, Hanumanamatti and State Department of Horticulture officials and Scientist and Department officials visited his field and gave suitable suggestions.
3. Intervention Technology	:	To improve economic returns from betelvine cultivation Shri. Bharamalingappa adopted some innovative ideas for improving both quality and quantity of Betel vine. He improved soil fertility through organic manures, waste decomposer, Jevamrutha, Neem cake, biopesticides like <i>Trichoderma</i> and <i>Pseudomonas</i> and green manuring etc. He also adopted good drainage system which avoids water logging problem as a result the betel vine is free from foot rot disease. During the winter season because of low temperature there is problem of low yield and leaf folding in betelvine, to address this problem a new type of Sprinkler has been installed at 20 feet height. To lower part of vine water will be sprayed using micro jet at an interval of 15 days which resulted in better quality leaves and improved micro climate in the garden. As a result he obtained better yield and market price.
4. Impact Horizontal Spread	:	Shri Bharamalingappa became a role model for the other beetle vine growing farmers such as small and marginal farmers to ensure the sustainable livelihood security and constant farm income. Shri Bharamalingappa also played a key role in the horizontal spread of technology and by understanding the benefit of this integrated farming system.
5. Impact Economic Gains	:	Shri Bharamalingappa is fetching an income of 2 lakh per annum and maintaining sustainability since 8 years of his farming.
Employment Generation	:	He provided Employment for 10 women and 6 men labors throughout the year by cultivating betelvine profitably and by horticulture nursery.



Use of Sprinkler to maintain leaf quality.



Spraying water using micro jet to Betelvine leaves.

1. Title of the Success Story	:	Increases mulberry leaf yield by growing of Sunhemp green manuring crop
Farmer Name	:	Mr: Basavanagouda Gangappanavar Village: Yadagodi Tq- Hirekerur Dist: Haveri
Details of Success Story		
1. Background	:	Shri Basavanagouda is a progressive farmer of a Yadagodi village of Hirekerur Taluk. Shri Basavanagouda practicing mulberry cultivation since 10 years on 2 acre land. But due to Low and unsustainable mulberry leaf yield, he approached KVK, Hanumanamatti Scientist and Sericulture Department officials.
2. Intervention Process	:	Shri. Basavanagouda approached KVK, Hanumanamatti Scientist and Sericulture Department officials for improvement in soil fertility, quality and quantity of mulberry leaves.
3. Intervention Technology	:	Shri. Basavanagouda gave importance for improvement of soil fertility by growing of sunhemp green manuring crop in between two rows of mulberry crop. The Sunhemp crop incorporates in soil at 40 days after sowing. As a result he produced good quality mulberry leaf, better leaf yield due to improvement in soil fertility. This also helps in reduced cost of mulberry leaf production and 10 – 15% more cocoon yield.
4. Impact Horizontal Spread	:	Shri. Basavanagouda became a role model for the other mulberry growers from surrounding villages. He spread this technology through field visit, group discussion, and trainings. More than 50 farmers adopted this technology and obtained 20-25% more leaf yield.
5. Impact Economic Gains	:	Shri. Basavanagouda is fetching an income of Rs. 6 lakh per annum and maintaining sustainability since 3 years of his farming.
Employment Generation	:	He provided Employment for 12 women and 4 men labors throughout the year by rearing mulberry silkworm and other horticulture crops.



Sunhemp green manure crop in mulberry plot



Farmer cutting the sunhemp plant in standing crop of mulberry



Sunhemp mulching in standing crop of mulberry and after harvest of mulberry crop this sunhemp residue will incorporate into the field with help of rotovator

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 2019: Nil

Period of observing Technology Week: From _____ to _____

Total number of farmers visited _____ :

Total number of agencies involved _____ :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	-	-
Lectures organized	-	-	-
Exhibition	-	-	-
Film show	-	-	-
Fair	-	-	-
Farm Visit	-	-	-
Diagnostic Practicals	-	-	-
Supply of Literature (No.)	-	-	-
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: Nil

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab : Active

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

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	Soil moisture tensio meter (30 cm x 9" length)	01	477.00	Working
2	Pestle and mortar (Beed casting)	01	85.00	Working
3	Shaking Machine Orbitek (250 ml clams -25 No. RPM 140 to 250 RPM) (Size 20" x 13 " x 4")	01	47025.00	Working
4	Electronic Weighing Machine (210 gm, Table top Machine NO. 1225400254)	01	57000 .00	Working
5	Electrical + Micro processor based automatic N Dist. System Electrical automatic KEL + Microprocessor based 6+ Macro block Digastion System	01 01	142844.00	Working
6	Flame photometer FGCL0378 SN 189/0801	01	32040.00	Working
7	pH Analysis with CL - 51B (FGL 1612 SN 244/0669)	01	8900.00	Working
8	Scanning Visible Spectro photometer. Model : SL 177 (SN 212/0269)	01	40050.00	Working
9	Eletrical Conduitivity Bridge EC- TDS Analysis (FGCM 183 SN 132/0492)	01	9790.00	Working
10	Hot air oven digital make : scientek (Temp ----- to 250 deg. C	01	17228.00	Working
11	Hot plate Make:Scientific 24' x12' Stainless steel 304 top plate provided with energy regulator On & Off	01	3046.00	Working
12	BPL Makes Weighing scale with battery Back up, Table top 2000 gm	01	10471.00	Working
13	Sample Aluminum Pan (30x40x5 cm) Sample Aluminum Pan (20x30x3.8 cm) Sample Aluminum Pan (12.5x15x2.2 cm)	08 (1 broken)	150+120+200	Working
14	Pestlen and mortar (Wooden make)	01	1000.00	Working
15	Grinder (100 mm x 50 mm size)	01	15435.00	Working
16	Double Distillation water still (Glass) Silica sheated Heater 2 lit/hr (Not working)	01	16000.00	Working
17	Double Distillation water still (qutrz) Silic sheated Heater 4 lit/hr (Not working)	01	43050.00	Working
18	Voltas make 220 lit. cap. Refigartor	01	10765.00	Working
19	V - guard make 500 VA Stablizer	01	1220.00	Working
20	Stand for Refigator (plastic)	01 (broken)	300.00	Working
21	Post hole Augar head size 3"	01	1200.00	Working
22	Screw type Augar Head size 1.5 "	01	980.00.	Working
23	Steel cabinet 78" x 36"x 18" with 5 compartments	09	47934.00	Working
24	Slotted angle rack (6' x3'x15')	05	7105.00	Working
25	Lab rack 30"x 9" x15'	05 (1 damaged)	6156.00	Working
26	Laboratory table 88"x 30"x36" with granite top	04	75776.00	Working
27	Laboratory table 72"x 30"x36"	04	16931.00	Working
28	Laboratory table 58"x 30"x30"	03	50793.00	Working
29	Laboratory table 58"x 30"x30" with granite top	03	50793.00	Working
30	Exhaust fan Almana	03	4500.00	Working
31	Wash basin 24" x 18"	03	4500.00	Working
32	Gas burner Solar make	01	1500.00	Working
33	Laboratory Stools 12"x12"x42"	05	4140.00	Working
34	Combined Eletrode type CL 51 B for pH meter (model: L1 612)	01	850.00	Working
35	Water tap Swan nack	03	2355.00	Working
36	Conduitivity cell type CC- 03B for Conduitivity meter (model: CM 183)	01	1000.00	Working
37	One pair of Glasss Cuvettes (Model: SL 177)	01	2300. 00	Working
38	Software and interfacing accessories for Spectrophotometer (Model: SL 177) (installed inside)	01	20000.00	Working

39	Calcium filter for Flame Photometer (Model: CL 378) (installed inside)	01	23451.00	Working
40	Electronic Acid Neutralizer Scrubber. Model: KEL VAC.	01	19398.00	Working
41	S S Inert Rack. Model: KES 06 LTR.	01	6300.00	Working
42	Exhaust Manifold System with Teflon Adaptors. Model: KES 06 LEM.	01	7160.00	Working
43	Viton Tube for Triacid and Diacid Digestion Model: KES VT.	01	3250.00	Working
44	Water softner " Bhanu make " model AS 600	01	9752.00	Working
45	Silica Water Heater for Double Distillation Water Still (Glass) Cap: 2 ltr/hr (One set –Two Nos. for Boiler I & II)	01	2837.00	Working
46	Spare Silica Heater for Double Distillation Water Still (Quartz) Cap:4 L/hr (One set –Two Nos. for Boiler I & II)	01	5201.00	Working
47	Water softner " Bhanu make " model AS 600	01	16435.00	Working
48	pH Meter with printer interface, ATC probe, combined Electrode CL 51 B, stand, buffer (ELICO)	01	23006.00	Working
49	EC-TDS Analyser with temp. probe and conductivity cell CC03 B stand with cell holding clamp (ELICO)	01	25955.00.	Working
50	Combined Eletrode		1145.00	Working
51	All glass single distillation unit W/Built in Silka heater stand 1.5 ltr Borocil	01	17450 .00	Working
52	All glass single distillation unit W/Built in Silka heater stand 1.5 ltr Borocil	01	19980 .00	Working
Total		85	813194.00	

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	18,570	18,570	3,038
Water Samples	16,464	16,464	2,321
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	35,216	35,216	5,359

C. Details of samples analyzed during the 2019:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	2268	2268	665
Water Samples	1953	1953	666
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	4221	4221	1331

11.2 Mobile Soil Testing Kit : Nil

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.	-	-
2.	-	-

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

	Progress during 2019	Cumulative progress
Samples analyzed (No.)	-	-
Farmers benefited (No.)	-	-
Villages covered (No.)	-	-

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

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	-	98	188	188	188
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.	79	35	-	-	08	02

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Seed production training to Rural youths	68	10	10,000	12,000
Terrace garden and Mushroom cultivation	30	12	15,000	20,000

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
State Dept. of Agriculture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
State Dept. of Horticulture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
Rural Development Institutes (Zilla & Taluk Panchayats)	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
State Dept. of Animal husbandry & Veterinary Services	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
Karnataka Milk Federation	Training programmes.
Karnataka State Seed corporation limited	Supply of inputs (seeds) and seed production programme
Women and Child Development Department	Training programmes.
Karnataka Oil Seeds Federation	Supply of inputs
NABARD, Vijaya Bank, State Bank of India, M.G. Bank and Syndicate Bank.	Participation in meeting, conducting training programmes and promotion of TTC.
GRASIM trust, Kumar Pattanum	Training programmes.

Sheep and Wool Development Board	Trainings.
State Dept. of Watershed	Training programmes, IFS Demonstration, Seminars and Field days.
JSYS	Training programmes, Demonstration, Seminars and Field days.
National Horticultural Research and Development Federation	Joint implementation and participation in meeting/Training Programme
Spice Board	Joint implementation and participation in meeting/Training Programme
Different private firms dealing with Medicinal and Aromatic crops	Training Programmes
IIHR, Bangalore	Technical consultancy
NGO's	Joint implementation and participation in meeting, Trainings workshops
Mahila Mandals and Youth Clubs	Joint implementation and participation in meeting.
Sugar Factories	Joint diagnostic survey and participation in meeting
Karnataka Sugar Institute, Belgaum	Joint diagnostic survey and participation in meeting/ Training
Successful Entrepreneurs	Training Programme/ Technical Advice
Vijaya Bank Sponsored Employment Training Institute	Joint implementation participation in meeting and Training Programme.
Ring KVK's	Seeds, planting materials, bio-pesticides and training

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.)
KAPC Project –“Raising income and farmers's welfare “	Jan-2017	KAPC, Bengaluru-GOK	25,00,000

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	1. “Effect of nutrient Management on yield of Brown top millet (<i>Brachiaria ramosa</i>) 2. Management of Fall Army worm in Maize	01	01	Collaboration with Dept. of Agriculture
03	Training programmes	Training on Integrated Farming System	05	02	Collaboration with Dept. of Agriculture
04	Demonstrations	-	-	-	-
05	Extension Programmes	-	-	-	-
	Kisan Mela	Kisan Mela	05	-	Collaboration with Dept. of Agriculture
	Technology Week	-	-	-	-
	Exposure visit	-	-	-	-
	Exhibition	-	-	-	-
	Soil health camps	Soil Health Camp	03	-	Collaboration with Dept. of Agriculture

	Animal Health Campaigns	Animal Health Camp	05	-	Collaboration with Dept. of Agriculture
	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 :

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
1	Planting material production	Centrally sponsored scheme	20,000/-	19,000/-	-

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
01	-	-	-	-	-

13F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
01	-	-	-	-	-

13G. Kisan Mobile Advisory Services

Month	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	Text	5	3	-	-	1	-	9	39231
February	Text	5	2	-	-	7	4	18	39231
March	Text	7	1	-	-	2	1	11	39231
April	Text	8	-	-	-	5	2	15	39231
May	Text	7	1	-	-	-	3	11	39231
June	Text	6	1	-	-	2	-	9	39231
July	Text	4	-	-	-	-	-	4	39231
August	Text	6	1	-	-	2	1	10	39231
September	Text	4	-	-	-	-	1	5	39231
October	Text	8	2	-	-	-	2	12	39231
November	Text	3	-	-	-	1	-	4	39231
December	Text	5	1	-	0	4	2	12	39231
Total		68	12	-	-	24	16	120	-

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Vemicompost	2014	0.01	-	Vemicompost	-	4000	-	Awareness about importance of Vermicompost and there is need to have large scale production unit to meet increased demand of farmers
2	Fodder Cafeteria	2019	0.4	COFS-29R, COFS-31,	Fodder seeds & fodder slips	2.0	3500	-	Awareness about importance of dry land fodder crops
3	Millet Cafeteria	2019	0.8	Foxtail millet, Barnyard Millet, Proso millet Finger millet	-	120 kg	4000	-	Awareness about importance of different types of millets

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Qtl)	Cost of inputs	Gross income	
Cereals									
Foxtail millet	27.06.19	01.10.19	1.8	Dhft-109-3	TL	4.6	15,000	Yet to sale	-
Foxtail millet	27.06.19	01.10.19	0.3	Dhft-109-3	CS	2.5	8,000	Yet to sale	-
Little millet	24.06.19	25.10.19	0.6	DHLM-36-3	TL	1.15	5,000	Yet to sale	-
Finger millet	28.06.19	29.10.19	0.6	DHfm-78-3	TL	1.8	5,000	Yet to sale	-
Barnyard Millet	31.08.19	10.12.19	1.6	DHB-93-2	TL (Un processed)	5.0	12,000	Yet to sale	-
Rabi Sorghum	17.10.19	-	3.0	SPV-2217	TL	-	-	-	-
Pulses									
Redgram	24.07.19	-	1.2	BSMR-736	TL	-	-	-	-
Oilseeds									
Fibers									
Sun hemp	29.09.19	-	5.0	Local	TL	-	-	-	-
Spices & Plantation crops									
Curry Leaf	-	-	-	Suvasini	Seedlings	1104 Nos	7500	16,560/-	-
Drumstick	-	-	-	PKM-1	Seedlings	120	700	12,000/-	-

						Nos			
Tamarind	-	-	-	Local	Seedlings	04 Nos	100	160/-	-
Floriculture	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fruits									
Sapota	-	-	-	DHS- 1&2	Seedlings	503 Nos	4000	25,150/-	-
Guava	-	-	-	L-49	Seedlings	38 Nos	400	1,520/-	-
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
01	Trichoderma	397 (kg)	20,000	51,610	Awareness about importance of trichodema has been created and there is need to have large scale production unit to meet increased demad of farmers

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	
01	Cow	HFX Deoni cross breed	Milk (L)	28778 (Liters)	4,95,000	6,53,893	-
			Cows and Calf	12		1,55,300	-
02	Sheep	Decanni	Lambs	18	96,000	79,650	-

14E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January	-	-	-
February	-	-	-
March	-	-	-
April	30	03	-
May	-	-	-
June	62	01	-
July	-	-	-
August	03	19	-
September	-	-	-
October	01	01	-
November	-	-	-
December	13	01	-

14F. Database management

S.No	Database target	Database created
1	Training Database	Under progress
2	Seeds and Planting Material Database	Under progress
3	Frontline Demonstrations Database	Under progress
4	KMAS details	Under progress
5	Soil Analysis Data Base	Under progress
6	Water Analysis Data Base	Under progress
7	KVK Inventory of Assets	Under progress
8	KVK Publication	Under progress
9	Extension Programmes	Under progress
10	Resource inventory of the District	Under progress
11	Farmers Database	Under Progress
12	KVK Accounts Database	Under progress
13	Technology Inventory for the District	Under progress
14	Technologies assessed and Refined	Under progress

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

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

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

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. P	Aval. K	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1. Bisettikoppa	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	
	2.	-	-	-	-	-	-	-	-	-	-	
	3.	-	-	-	-	-	-	-	-	-	-	
	4.	-	-	-	-	-	-	-	-	-	-	
	5.	-	-	-	-	-	-	-	-	-	-	
2	1. Shegghalli	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	Yet to implement	
	2.	-	-	-	-	-	-	-	-	-	-	
	3.	-	-	-	-	-	-	-	-	-	-	
	4.	-	-	-	-	-	-	-	-	-	-	
	5.	-	-	-	-	-	-	-	-	-	-	

***Only preliminary meeting conducted**

15.2 District Agriculture Meteorological Unit (DAMU)

Agro advisories				Farmers awareness programmes	
Sl No.	No of Agro advisories generated	No of farmers registered for agro advisories	No of farmers benefitted	No of programmes	No of farmers benefitted
1	05	25	25	-	-

15.3 Fertilizer awareness programme 2019

State	Name of KVK	Details of Activities/programme Organised	Number of Chief Guests	No. of Farmers attended program	Total participants
Karnataka	ICAR-KVK, Haveri (Hanumanamatti)	Fertilizer Application awareness programme	05	115	120

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 Oilseed : As per the excel sheet enclosed

15.6 Seed on Pulses : As per the excel sheet enclosed

15.7 Krishi Kalyan Abhiyan : Nil

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

15.8 Micro-Irrigation : Nil

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

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
Saving (KVK main)	State Bank of India	Ranebennur	00909	Senior Scientist and Head	10811387935	581002102	SBIN0000909
Saving (ICAR RF)	State Bank of India	Ranebennur	00909	Senior Scientist and Head	10811389160	581002102	SBIN0000909
Current (ICAR RF)	State Bank of India	Ranebennur	00909	Senior Scientist and Head	36461706479	581002102	SBIN0000909

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	105.90	9767916	8491007
2	Traveling allowances	1.00		89269
3	Contingencies			533934
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	2.00	176536
B	POL, repair of vehicles, tractor and equipments	1.25	1.25	99374
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.75	26775
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.25	0.25	24284
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.25	2.25	100830
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.00	1.00	66326
G	Training of extension functionaries	0.25	0.25	8689
H	Maintenance of buildings	0	0	0
I	Establishment of Soil, Plant & Water Testing Laboratory	0.25	0.25	0
J	Library	0.5	0.5	0
K	Nutri gardens	0.25	0.25	
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Works	0	0	0
2	Equipment including SWTL & Furniture	0	0	0
3	Vehicle (Four wheeler/Two wheeler, please specify)	0	0	0
4	Library (Purchase of assets like books & journals)	0	0	0
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 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2017 to March 2018	7,69,575.35	12,95,592.50	16,86,963.25	3,78,204.60
April 2018 to March 2019	3,60,878.60	7,24,887.00	6,60,447.00	4,25,227.60
April 2019 to December 2019	2,61,186.60	12,84,325.00	10,19,291.00	5,27,103.10

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Shivamurthy D	Scientist (Agronomy)	Management Development programme for extension professionals	Extension education institute, Hyderabad	23 to 27 September 2019
Dr. Shivamurthy D	Scientist (Agronomy)	Extension strategies for linking farmers to market	Manage, Hyderabad	14 to 18 October 2019
Dr. Shivamurthy D	Scientist (Agronomy)	Technological advances made, priorities and future strategies in organic agricultural for sustainable farm production & doubling farmers income	UAS, Raichur	03 to 23 December 2019
Dr. Santhosha. H.M	Scientist (Horticulture)	Values and work ethics for development professionals	Extension Education Institute, Hyderabad	21.05.2019 to 25.05.2019

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

Linking KVK to FPO for Technical Support

Following activities were carried out by KVK for Horticulture FPO

a) FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety / breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC /ST	Others	Small / Marginal	Others
1	Vegetables	Irrigated	Rabi	Onion	Nasik red	-	ICM	Trichoderma for damping off disease, Vegetable special for micro nutrient management	1.0	1.0	3	2	3	2
		Irrigated	Rabi	Chilli	-	Sitara	ICM	Trichoderma for damping off disease, Vegetable special for micro nutrient management	1.0	1.0	2	3	2	3
2	Fruit	Irrigated	Kharif	Banana	Elaiki	-	Production technology	Micro nutrient management using banana special	4.0	4.0	6	14	11	9
		Rainfed	Rabi	Mango	Alphonso	-	Production technology	Pheromone trap for fruit fly, mango special for micro nutrient management	1.0	1.0	0	5	2	3

3	Spices and condiments	Irrigated	Kharif	Ginger	Himachal	-	ICM	Ginger special application for micro nutrient and rhizome rot disease management	2.0	2.0	4	6	6	4
4	Plantation	Irrigated	Kharif	Areca nut	Thiruthallical	-	ICM	Zinc sulphate boron and Metalaxyl +Mancozeb application	3.0	3.0	2	13	3	12

b) Training for FPO member Farmers and Farm Women

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Horticulture										
a) Vegetable Crops										
Onion production and management technology	01	11	0	11	5	0	5	16	0	16
b) Fruits										
Banana production and management technology	03	58	0	58	1	1	2	59	1	60
Mango plant propagation techniques and export potential fruits	01	24	0	24	1	0	1	25	0	25
c) Plantation crops										
Areca nut production, management, processing and value addition	03	73	1	74	3	0	3	76	1	77
d) Spices										
Ginger production, processing and value addition	02	50	0	50	2	0	2	52	0	52
TOTAL	10	216	1	217	12	1	13	228	2	230
