

University of Agricultural Sciences, Bangalore

**ICAR-Krishi Vigyan Kendra**  
Navile, Shimoga

**ANNUAL REPORT 2020-21**

(for the period April 2020 to March 2021)

**ICAR-KRISHI VIGYAN KENDRA**

Savalanga Road, Navule, Shivamogga – 577 204,  
Karnataka. India. Tel. : 08182-267017,  
E-mail : [kvk.shivamogga@icar.gov.in](mailto:kvk.shivamogga@icar.gov.in), [shivmogakvk@gmail.com](mailto:shivmogakvk@gmail.com)

## **PART I - GENERAL INFORMATION ABOUT THE KVK**

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR-Krishi Vigyan Kendra, Savalanga Road, Navule, Shivamogga - 577 204. Karnataka	08182-267017	-	kvk.shivamogga@icar.gov.in shimogakvk@gmail.com	<a href="https://kvksh.uahs.edu.in">https://kvksh.uahs.edu.in</a>

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences, Savalanga Road, Navile, Shivamogga-577 204	08182-267011	08182-298008	vcuahss2014 @gmail.com	<a href="http://www.uahs.in">www.uahs.in</a>

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. B. C. Hanumanthaswamy	9448255252	9480838976	<a href="mailto:bchswamy@gmail.com">bchswamy@gmail.com</a>

### **1.4. Year of sanction: 2000**

## 1.5. Staff position as on 31 December 2020

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Head/Senior Scientist	Dr. B.C. Hanumanthaswamy	Senior Scientist and Head	M	Agril. Entomology	M.Sc.,(Agri. Entomology) Ph.D., PGDBA, PGDPP, PGDAEM	144200-218200	153000	22.12.2011	Permanent	OBC
2	Scientist/SMS	Mr. M. Basavaraja	Scientist (Agronomy)	M	Agronomy	M.Sc.(Agri.) (Agronomy)	131400-217100	147900	01.04.2018	Permanent	ST
3	Scientist/SMS	Dr. Jyoti M. Rathod	Scientist (Home Science)	F	Home Science	M.H.Sc. (Food and Nutrition), Ph.D, PGDAEM	79800-211500	89800	18.05.2007	Permanent	SC
4	Scientist/SMS	Dr. M. Ashok	Scientist (Animal Science)	M	Animal Science	M.VSc., Ph.D. PGDAEM	79800-211500	89800	18.05.2007	Permanent	OBC
5	Scientist/SMS	Dr. Sahana. S	Scientist (Agril. Extension)	F	Agril. Extension	M.Sc., (Agril. Extension), Ph.D., PGDAEM	79800-211500	98200	01.04.2018	Permanent	OBC
6	Scientist/SMS	Dr. Sarvajna B. Salimath	Scientist (Soil Science)	M	Soil Science	M.Sc., (Soil Science & Agricultural. Chemistry), Ph.D., (Agriculture Physics), PGDAEM	79800-211500	95300	01.04.2018	Permanent	OBC
7	Scientist/SMS	Dr. Nagarajappa Adivappan	Scientist (Horticulture)	M	Horticulture	M.Sc.(Horticulture), Ph.D.(Horticulture), PGDIPR, PGDAEM	79800-211500	95300	01.04.2018	Permanent	OBC
8	Programme Assistant (Lab Tech.)	Dr. Nagaraja R.	Programme Assistant (Lab)	M	Programme Assistant (Lab)	M.Sc.(Agri.) in Agricultural Microbiology, Ph.D. PGDAEM	44900-142400	14040	23.10.2010	Permanent	OBC
9	Programme Assistant (Computer)	Mrs. B. S. Geetha	Programme Assistant (Computer)	F	Programme Assistant (Computer)	M.Com., PGDCA, PGDHR, PGDAEM	44900-142400	13490	22.01.2011	Permanent	Others
10	Farm Manager	Dr. Niranjana K.S.	Farm Manager	M	Farm Manager	M.Sc. (Agri), Ph.D., PGDNR, PGDRM, PGDHR, PGDAEM,	44900-142400	14040	17.11.2011	Permanent	Others
11	Assistant	Mrs. Jyothi H.	Assistant	F	Assistant	B.A.	30350 - 58250	30350	01.04.2018	Permanent	SC
12	Jr. Stenographer	<b>VACANT</b>									
13	Driver - 1	Mr. N. Gopala	Lab Assistant	M	Driver (Jeep)	SSLC	21400-42000	30350	16.08.2012	Permanent	OBC
14	Driver - 2	Mr. K. H. Mohan	Driver (Tractor)	M	Driver (Tractor)	7 <sup>th</sup> Standard	27650-52650	34300	20.10.2008	Permanent	OBC
15	SS-1	<b>VACANT</b>									
16	SS-2	Mr. T. Chikkaiah	Assistant Cook cum caretaker	M	Cook cum caretaker	SSLC	18600-32600	23500	22.11.2018	Permanent	OBC

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

S. No.	Item	Area (ha)
1.	Under Buildings	0.50
2.	Under Demonstration Units	1.00
3.	Under Crops	17.50
4.	Orchard/Agro-forestry	1.00

**1.7. Infrastructural Development:**

**A) Buildings**

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs. In lakh)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	<b>Administrative Building</b>	ICAR	Oct. 2009	550	55	-	-	-
2.	<b>Farmers Hostel</b>	ICAR	Sept. 2012	305	33.33	-	-	-
3.	<b>Staff Quarters</b>	-	-	-	-	-	-	-
	1							
	2							
	3							
4.	<b>Demonstration Units</b>							
	1. Vermi Compost Unit	NCOF Ghaziabad	2008	-	1.25	-	-	-
	2. Poultry Unit	RKVY	2012	100	1.20	-	-	-
	3. Stall feeding system of Ruminants	Revolving fund	November, 2020	20	0.98	-	-	-
	4. Cage system of layer poultry unit	Revolving fund	January, 2021	100 birds capacity	0.49	-	-	-
5	<b>Fencing</b>							
6	<b>Rain Water harvesting system</b>	-	-	-	-	-	-	-
7	<b>Threshing floor</b>	-	-	-	-	-	-	-
8	<b>Farm godown</b>	-	-	-	-	-	-	-

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor with Trailer	2001	3,71,892.00	4739.00	Good condition
Jeep (Mahindra Bolero)	2017	8,00,000.00	62625.00	Good condition
Hero Honda Splendour+	2009	39,350.00	60466.00	Good condition
Honda Activa	2009	46,102.00	31171.00	Good condition

**C) Equipment & AV aids**

<b>Name of the equipment</b>	<b>Year of purchase</b>	<b>Cost (Rs.)</b>	<b>Present status</b>
Lap top and LCD	10/10/2007	100000	Scrapped
Mobile Display Board	7/29/2008	3360	Good Condition
Hakims mobile Pivot Stand	06/10/2008	2300	Good Condition
Hakims Data Press Board	06/10/2008	4400	Good Condition
Hakims Combination Board	06/10/2008	1800	Good Condition
Hakims 3 type rotation Book Stand	07/29/2008	3100	Good Condition
Hakims Display in minutes 4 board " double side stand	07/29/2008	8950	Good Condition
Video Camera	02/05/2009	184000	Good Condition
LCD	02/05/2009	44990	Good Condition
Motorized Screen	02/05/2009	23000	Good Condition
Visual production Unit	02/05/2009	599500	Good Condition
Desk Top Computers (2 Nos.)	02/05/2009	46000	Scrapped
Lexmark Laser printers (2 Nos.)	02/05/2009	15645	Scrapped
Digital Copier cum network printer	02/05/2009	55125	Good Condition
Display board (15 Nos.)	02/05/2009	30000	Good Condition
Voltage Stabilizer (2 Nos.)	02/05/2009	5520	Good Condition
UPS " (CBTMPCS)	10/05/2010	26000	Scrapped
Canon Printer-2900B	01/22/2013	5524	Good Condition
HP Laser Printer	03/15/2010	19864	Good Condition
Sony digital Camera-DSC H-20 SI.No.2348907	01/22/2013	17500	Good Condition
Sony digital Camera-DSC H-20 SI.No.2285039	01/22/2013	9950	Good Condition
Panasonic Fax Machine (Sl. No.91CBA004235)	01/22/2013	8736	Good Condition
Generator (Genset-EXK-28005)	03/29/2011	59850	Good Condition
UPS	03/29/2011	38587	Scrapped
Photocopier	7/29/2008	92297	Scrapped
Acrylic name holder	07/29/2008	2800	Good Condition
Hakims Security Board (Flap type)	07/29/2008	3100	Good Condition
HP Scanner	03/15/2009	4000	Good Condition
Desk Top Computers (2 Nos.) HCL	01/22/2013	38600	Scrapped
Desk Top Computers (2 Nos.) HCL	01/22/2013	38169	Good Condition
Tubular Batteries of 120 AH (20/12V)	09/18/2015	50000	Good Condition
Information KIOSK (Touch screen)	02/05/2009	124519	Good Condition
Research Microscope	11/18/2008	66555	Good Condition
Digital Micro pipette set	09/15/2008	21180	Good Condition

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Hot Air Oven	02/12/2009	24160	Good Condition
Laminar Air Flow	02/12/2009	54013	Good Condition
pH Meter	03/12/2009	6600	Good Condition
Autoclave	03/31/2009	28687	Good Condition
ELISA Reader	03/12/2010	147155	Good Condition
Incubator	03/18/2011	24425	Good Condition
21 Black Onida CTV-21	01/22/2013	8990	Scrapped
Bosch Gas Geyser	01/22/2013	7600	Good Condition
Shakthi Power Tiller and accessories	03/31/2010	131500	Good Condition
5 HP diesel engine pump and accessories	06/03/2010	18030	Good Condition
Portable agri sprayer	06/03/2010	9975	Good Condition
Tractor drawn implements, Trencher, ridger, marker	03/26/2011	86500	Good Condition
Tractor drawn 2 ferrow MB plough & Tractor drawn disk harrow	03/28/2011	88000	Good Condition
Power Tiller trailer	03/28/2011	48048	Good Condition
Tractor drawn water tanker " Chassis mounted 3500 ltr. Capacity, Water tank with resole tyre and heavy axel, Water Tanker	06/22/2011	99250	Good Condition
Hand operated "C type areca leaf plate making machine.	06/21/2011	38850	Good Condition
Tractor mounted water pully	07/02/2011	32500	Good Condition
Tractor operated winnover	06/30/2011	20500	Good Condition
Chaff cutter with 2 HP ISI	08/26/2011	20500	Good Condition
Tractor drawn 5 furrow opener	08/26/2011	31000	Good Condition
Disk harrow	06/22/2013	1455	Good Condition
Pruning saw - "OM	09/12/2013	18723	Good Condition
Iron plough - 1 wing	12/19/2012	1600	Good Condition
Iron plough - 2 wings	12/19/2012	1900	Good Condition
AAS equipment & accessories	15.06.2016	1420000	Good Condition
V Guard Stabilizer	20.06.2016	2400	Good Condition
Battery 150 am with UPS	20.06.2016	54548	Good Condition
Studio master wireless	20.06.2016	3801	Good Condition
Podium Wireless mike	20.06.2016	6612	Good Condition
Aqua pearl RO+UV water purifier	30.06.2016	16157	Good Condition
Canon 226 DN Laser All-in-one printer (print/copy/ scan/duplex network)	26.09.2016	28000	Good Condition
HP Desktop computer Intel core-i3, 4 GB RAM, 1TB HDD, 20 monitor, key board & mouse	30.09.2016	96900	Good Condition
Dell Laptop, Core @ i3, 1 TB, 4GB RAM	04.10.2016	48500	Good Condition

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Dell LCD Projector	04.10.2016	38500	Good Condition
Pulverizer	25.02.2017	29770	Good Condition
Bag Sealer	25.02.2017	21984	Good Condition
Weighing balance	25.02.2017	10076	Good Condition
Hot case	03.03.2017	17935	Good Condition
Deck Oven	03.03.2017	50640	Good Condition
Moulds & Trays	03.03.2017	8440	Good Condition
Extruder	09.03.2017	74425	Good Condition
Deep Fat Fryer	09.03.2017	20381	Good Condition
Godrej F/F Refrigerator	10.03.2017	26201	Good Condition
Usha Mixer Grinder	10.03.2017	5450	Good Condition
Kraft Chopper	10.03.2017	2490	Good Condition
Acrylic display name board	10.03.2017	12000	Good Condition
1 TB Hard Disk External	14.03.2017	5900	Good Condition
Sony 40" LED TV + stabilizer	16.03.2017	48500	Good Condition
Setup box	20.03.2017	2743	Good Condition
Canon Camera	20.03.2017	19408	Good Condition
Whirlpool Refrigerator + V Guard Fridge + stand	23.03.2017	26550	Good Condition
Samsung T 355 TAB – 4G	23.03.2017	18623	Good Condition
Canon 2900-B Laser printer (2 Nos.)	16.11.2019	23559	Good condition
Dell 19" LED monitor	16.11.2019	6313	Good condition
Double deck destoner front side attached sieving unit -0.5 Hp electrical motor with 5 No. screen	11.12.2019	30350	Good condition
Destoner machine (3-5 qtl) Model-BI 2/DC/SV including blower	12.12.2019	94500	Good condition
Kyocera Photo Copier – 1800	07.01.2020	67420	Good condition
Ginger slicer making machine – Single phase current 0.5 HP motor, Heavy Duty	14.01.2020	88700	Good condition
Mum Ginger dryer making machine	16.01.2020	90500	Good condition
Surya Flame Gas stove with accessories	19-10-2020	5440	Good condition
Automatic Roti making machine	20-10-2020	98880	Good condition
Flour Kneader – 20 kg. SS	28-10-2020	98820	Good condition

## 1.8. Details of SAC meeting conducted during 2020

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
17-12-2020	30	<b>Dr. M.K. Naik, Vice Chancellor, UAHS, Shivamogga</b> <ol style="list-style-type: none"> <li>1. Suggested to upload the progressive farmer's success stories to the KVK website.</li> <li>2. Suggested to write the Research papers about the KVK activities and publish in scopes Index Journals</li> <li>3. Informed to conduct the more number of training and demonstrations on Areca husk decomposition for value added compost.</li> <li>4. Informed to publish more number of articles in local papers and agriculture related magazines.</li> <li>5. Conduct the training programmes and demonstrations on value addition of minor millets.</li> <li>6. Suggested to conduct the more number of skill oriented training programmes on Bee Keeping.</li> <li>7. It is informed to conduct the training programmes on agriculture marketing system.</li> </ol>		
		<b>Dr.Venkatasubramanyan, Director, ATARI</b> <ol style="list-style-type: none"> <li>1. It is advised to give timely information to farmers on latest technologies and skill oriented activities in agriculture and related fields.</li> <li>2. Informed to conduct the activities on marketing of value added products for women self help groups.</li> </ol>		
		<b>Dr. K.C. Shashidhar, Director of Extension, UAHS, Shivamogga</b> <ol style="list-style-type: none"> <li>1. Conduct the skill oriented training programme on processing of millets and Ragi to the women self help groups.</li> <li>2. Suggested to conduct the awareness programmes and training programmes on management of Lumpy skin diseases and also suggested to publish the information on management of this disease through leaflets.</li> <li>3. It is suggested to conduct the demonstrations on Nutrigarden in anganavadi Kendras.</li> <li>4. It is informed to all the scientists to give atleast 10 programmes for All India Radio for broadcasting in Negila Medita Programme.</li> <li>5. Suggested to prepare the list of progressive farmers and Krishi Pandith awardee farmers of the district.</li> <li>6. Suggested to conduct the extension activities on artificial insemination of Malenadu gidida variety.</li> </ol>		
		<b>Dr. B.T. Rayadu, Principal Scientist, ATARI</b> <ol style="list-style-type: none"> <li>1. Conduct the awareness programmes on New Agriculture act through video conference and webinars.</li> <li>2. It is informed to prepare the list of progressive farmers and use them as resource persons during the training programmes.</li> </ol>		



## PART II - DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise
1.	Rice based cropping system
2.	Maize based cropping system
3.	Pulses and oilseeds
4.	Arecanut and Coconut based cropping system
5.	Vegetables, fruits and spice crops cultivation
6.	Value addition
7.	Floriculture
8.	Dairying
9.	Poultry farming
10.	Sheep and goat rearing
11.	Apiary

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

S. No	Agro-climatic Zone	Characteristics
1.	Southern Transition Zone (Zone - 7)	<ul style="list-style-type: none"> <li>• The total geographical area of Southern Transition Zone (STZ) (Zone-7) is 13.09 lakh ha. Shivamogga, Bhadravathi and Shikaripur taluks of Shivamogga District comes under this zone. KVK, Navile, Shivamogga is located in this zone.</li> <li>• The zone 7 has varying altitude ranging from as low as 547 m. in the North to as high as 1050 m. in the South.</li> <li>• The soils of the zone are predominantly sandy soils, shallow to moderate deep, reddish brown to black in colour, slightly acidic in pH and low in organic matter. Soils are generally medium in fertility and respond well to irrigation, manuring and management practices.</li> <li>• The climate of the zone is basically tropical benefited by the two monsoons accounting for major part of the rainfall. The zone receives an average annual rainfall of 580.6 mm. The lowest minimum temperature ranges from 14.9°C (December) to 23.2°C (April) while the maximum temperature ranges from 28.4 °C (July) to 39.1 °C (April).</li> </ul>
2.	Hilly Zone (Zone - 9)	<ul style="list-style-type: none"> <li>• The total geographical area of hilly Zone (Zone-9) is 22.90 lakh ha. Soraba, Sagara, Thirthahally and Hosanagara taluks of Shivamogga District comes under this zone.</li> <li>• The zone - 9 has varying altitude ranging from as low as 700 to as high as 1050 m. above mean sea level.</li> <li>• The soils of the zone are predominantly sandy loamy or sandy clay loam soils, shallow to moderate deep, yellow, reddish brown to black in colour, low in cation exchange capacity, low in water holding capacity, moderately to highly acidic in pH, low in organic matter and deficient in zinc and boron. Generally, the soils are low in fertility and respond well to irrigation, manuring and management practices.</li> <li>• The climate of the zone is basically tropical benefited by the two monsoons accounting for major part of the rainfall. The zone receives</li> </ul>

		and average annual rainfall of 2308 mm with a minimum of 922 mm and maximum of 3695 mm. The lowest minimum temperature of 100 °C will be observed during winter.
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S. No	Agro ecological situation	Characteristics
1	Lateritic gravelly soils with high rainfall based (Thirthahally, part of Hosanagara, Sagara and Soraba taluks)	Comparatively dense forest based, hilly tracks, moderate temperature region, high rainfall. The soils under this AES are yellow, reddish brown surface sandy loamy soils or sand clay loam texture. These soils are low in cation exchange capacity with medium water holding capacity and low in fertility status i.e. low in organic matter, and deficiency in zinc and boron. The Western Ghats regions are rich in flora and fauna. Medicinal plants and herbs like, Asana, Amla, Sandal, Anale, Sarpagandhi, Terminalia, Bixa, etc
2	Red loamy soil with medium rainfall (Parts of Sagara, Soraba, Shikaripura and Hosanagara)	This AES's comprises of medium rainfall area with medium temperature. The soils are medium, shallow to moderate deep with reddish brown to black in colour. Medium in water holding capacity, low in organic matter, only in some patches deficient in Zinc and Boron.
3	Red and Black mixed soils with medium rainfall (Parts of Shivamogga, Bhadravathi, Shikaripura)	The soils under this AES are derived from Ignatius rocks and montmorillonite clay with high in fertility status, high in water holding capacity and cation exchange capacity. These soils are deep and sufficient in micronutrients except some patches.
4	Irrigated red sandy with medium rainfall (Parts of Shivamogga and Bhadravathi)	Comparatively plain lands. Less vegetation, higher temperature. Soils of this situation are predominantly sandy soils, shallow to moderate deep, reddish brown to acidic in pH. Soils are medium in fertility level and respond well for irrigation, manuring and other management practices.

### 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red Sandy	Red sandy soils are derived from acidic rock materials, reddish brown to dark reddish brown in colour and gravelly loamy sand to sandy loam in texture. They are neutral to acidic in reaction with low cation exchange capacity, low base saturation and low water holding capacity. The soils are well drained and respond well to irrigation, manuring and other management practices. These soils are found in the eastern parts of Shikaripur and entire Shivamogga and Bhadravathi Taluks.	Red gravelly loam – 61546 Red loamy – 22819 Red gravelly clay – 6357 Red gravelly mixed with deep black – 58849 Red clayey – 33904 Red gravelly clay – 14491 Red clayey – 14167 Laterite gravelly clay – 13524 Laterite clayey – 118301 Laterite gravelly clay – 19904 Black clayey – 22358 Alluvial loamy – 61133 Alluvial black clayey – 12087 Alluvial clayey – 25660 Forest brown clayey – 15441 Red gravelly clayey – 36446
2	Mixed Red and Black Soils	The soils are derived from igneous rocks and montmorillonite clay with high fertility status, high in water holding capacity and cation exchange capacity. The soils are deep and sufficient in micronutrients except in some patches. These soils are found in the eastern parts of Shikaripur	

S. No	Soil type	Characteristics	Area in ha
		and entire Shivamogga and Bhadravathi Taluks.	
3	Red loamy Soils	The soils are medium, shallow to moderate, deep with reddish brown to Black in colour. They are Medium in water holding capacity, low in organic matter, deficient in Zinc and Boron in some patches. These soils are found in the eastern parts of Sagar, Soraba, Shikaripur and Hosanagar Taluks.	
4	Lateritic gravelly soils	Laterite soils are derived from acidic igneous rocks, sand stones and sedimentary rocks, yellowish red to reddish brown in colour. They are dominated with kaolinite clay mineral. The soils are acidic with low cation exchange capacity and medium water holding capacity. These soils are found in the western parts of Shikaripur taluk, Thirthahalli and parts of Hosanagar, Sagar and Soraba Taluks.	

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

Sl. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
<b>Field Crops</b>				
1.	Paddy	120629	394521	3332
2.	Hybrid Jowar	100	698	1918
3.	Bajra	2	5	1416
4.	Maize	47254	191117	3074
5.	Ragi	501	1115	1736
6.	Redgram	254	234	965
7.	Horse gram	50	19	541
8.	Black gram	83	32	602
9.	Green gram	920	182	197
10.	Avare	42	45	1008
11.	Cowpea	276	88	406
12.	Bengal Gram	11	36	806
13.	Groundnut	341	388	862
14.	Sunflower	842	1971	2241
15.	Safflower	11	6	828
16.	Caster	2	5	966
17.	Sesame	9	7	559
18.	Niger	5	28	262
19.	Flax seeds	1	1	308
20.	Cotton	845	1796	435
21.	Sugarcane	6736	583656	125000
22.	Tobacco	6	2	850

**Source:** Director of Economic and statistics

Horticultural Crops				
Sl. No	Crop	Area (ha)	Production (tons)	Yield (t/ha)
1.	Mango	3959	53065	30.40
2.	Banana	5204	138125	26.54
3.	Guava	17	340	20
4.	Sapota	693	9536	13.76
5.	Pineapple	1411	84660	60
6.	Pomegranate	9	90	10
7.	Jack	13	520	40
8.	Limes and lemon	10	250	25
9.	Sweet orange	3	54	18
10.	Pepper	1354	450.54	0.33
11.	Cardamom	376	56.35	0.14
12.	Tamarind	4.5	22.50	5
13.	Ginger	5892	58920	10
14.	Turmeric	38	570	15
15.	Cinnamom	2	0.3	0.15
16.	Vanilla	53	15.9	0.3
17.	Coconut	6500	715	0.11
18.	Arecanut	50820	72726	1.43
19.	Betelvine	150	2580	17.20
20.	Cocoa	509	305.4	0.6
21.	Oil Palm	617	1611	2.61
22.	Cashew	1226	1839	1.5
23.	Tomato	116	2650	22.84
24.	Brinjal	42	840	20
25.	Green chilli	138	1992	14.43

**Source:** Department of Horticulture, Shivamogga

#### 2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Max. Temp	Min. Temp	RH-I	RH-II
January-2020	0.0	31.8	16.3	84	50
February-2020	0.0	32.7	16.6	77	42
March-2020	13.4	35.0	19.4	75	38
April-2020	49.4	35.7	21.1	78	38
May -2020	88.0	34.7	21.9	78	50
June-2020	116.6	29.8	20.9	86	76
July-2020	154.4	28.5	20.5	89	78
August-2020	265.8	27.4	20.1	90	82
September-2020	191.6	29.1	20.2	93	83
October-2020	148.0	29.8	19.3	92	79
November-2020	0.0	30.7	17.4	87	68
December-2020	16.2	30.2	15.7	88	64
Total / mean	1043.4	31.3	19.1	85	62

\* Source : Gramin Krishi Mausam Sewa Unit, University of Agricultural & Horticultural Sciences, Shivamogga

**2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (2018)**

<b>Category</b>	<b>Population</b>	<b>Production</b>	<b>Productivity</b>
<b>Cattle</b>			
<i>Crossbred</i>	120000	242 thousand	10 l/day/animal
<i>Indigenous</i>	383000		0.5 l/day/animal
Buffalo	135000		5 l/day/animal
<b>Sheep</b>			
<i>Crossbred</i>	1428		
<i>Indigenous</i>	42300	3430 thousand tons	
Goats	68272	kg/animal	38 kg / animal
<b>Pigs</b>			
<i>Crossbred</i>	142		
<i>Indigenous</i>	3865		
Rabbits	685		
<b>Poultry</b>			
Hens	120000	977 lakhs	310 eggs / year
<i>Desi</i>	400000	260 eggs / year	90 eggs/year
<i>Improved</i>	1200000		
Ducks			
Turkey and others	70392		
<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
<b>Fish</b>		5768 t/year	
<i>Marine</i>	--	--	
<i>Inland</i>	16942 ha	22467 mt.	1.43 mt/ha
Prawn			
Scampi			
Shrimp			

**Source:** Department of Animal husbandry and veterinary sciences and Department of fisheries

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

### 2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Shivamogga	Holaluru Harnahalli Nidhige, Konagavalli	Sominakoppa, Holaluru, Harnahalli, Malavagoppa, Thyajuvalli, Harnahalli, Mallapura, Muddinakoppa	5	Maize, Paddy, Vegetables, Banana, Arecanut, Ginger, Dairy, Pulses, Tuberose	Bacterial wilt problem in solanaceous vegetables. Leaf minor and fruit borer in Tomato, hidimundige in arecanut, murda complex in chilli, Less awareness on new high yielding hybrids in vegetables and Tuberose, Rhizome rot in Ginger and less awareness on value addition, Infertility and Mastitis in dairy animals	Integrated Crop Management , Integrated Pest Management and Integrated Disease Management, value addition, Infertility and Disease management in dairy animals
		Kumsi	Koragi, Konagavalli	2	Arecanut, Paddy, Maize, Ginger, Dairy, Poultry, Sericulture, Vegetables	Root rot in ginger, Less knowledge on high yielding varieties of paddy, Koleroga in arecanut	ICM in paddy, Integrated pest and diseases management
2.	Bhadravathi	Kasaba	Halsegebagi	1	Entrepreneurship development	Less awareness on usage of Flax seed and value addition	Value addition
3.	Sagara	Ananthapura	Nedaravalli	2	Arecanut, Paddy, Ginger, Black Pepper, Dairy, Poultry, Pineapple, Banana	Root grub and kole roga in arecanut; heart rot in pineapple, wilt in pepper, rhizome rot in ginger, sigatoka disease in banana	Integrated Pest Management, Integrated Disease Management, Integrated Crop Management
4.	Thirthahalli	Bejuvalli	Tanikal, Bejuvalli,	2	Arecanut, Paddy, Spices, Ginger, Dairy, Poultry, Vegetables, Bee Keeping	Root rot in ginger, Less knowledge on high yielding varieties of paddy, Koleroga in arecanut, Lack of management in dairy	Integrated Crop Management, Dairy management, Integrated pest and diseases management

5.	Shikaripura	Hosuru, Hithala, Anjanapura	Nimbegondhi, Mattikote, Gama, Harogoppa, Esuru, Churuchgundi, Hulaginakoppa	3	Arecanut,Paddy, Sunflower, Maize, Cowpea, Black Gram, Green Gram, Ginger, Dairy, Poultry, Banana, Ragi, Redgram, poultry, dairy, Nutrigarden, Tamarind	Low yield in pulses, lack of knowledge on high yielding varieties of paddy, vegetables and ragi, bacterial wilt in vegetables, Rhizome rot in ginger, non utilization of locally available resources, Malnutrition problems, Less awareness on Processing and value addition	Integrated crop management, resource conservation, Value addition
6.	Hosanagar	Ripponpet	Harohittalu, Adderi	2	Arecanut, Banana, Paddy, Maize, Black Gram, Green Gram, Ginger, Dairy, Poultry	Low yield in pulses, Rhizome rot in ginger, non utilization of locally available resources, Less knowledge on high yielding varieties of paddy. Koleroga and root grub in arecanut	ICM in pulses and paddy, Effective utilization of locally available resources, Integrated pest and diseases management

### 2.8 Details of Benchmark Information collected from DFI villages

Sl. No.	Taluk	Name of the block	Name of the village	Name of the Head of Household	Annual Gross Income (Rs.)	Annual Expenditure (Rs.)	Annual Net Income (Rs.)
1.	Thirthahalli	Thirthahalli	Tanikal	Madan	895488	217088	678400
2.	Thirthahalli	Thirthahalli	Tanikal	Prassanna G N	814200	224200	590000
3.	Thirthahalli	Thirthahalli	Tanikal	Raganath G N	822680	194680	628000
4.	Thirthahalli	Thirthahalli	Tanikal	Rame Gowda	907800	240300	667500
5.	Thirthahalli	Thirthahalli	Tanikal	Chandra Shekar	1014380	257380	757000
6.	Thirthahalli	Thirthahalli	Tanikal	Uadaya Kumar	630960	152960	478000
7.	Thirthahalli	Thirthahalli	Tanikal	Nagesh	1053000	243000	810000
8.	Thirthahalli	Thirthahalli	Tanikal	Susheelamma	166050	43050	123000
9.	Thirthahalli	Thirthahalli	Tanikal	Anappa Bilval	181117	50817	130300
10.	Thirthahalli	Thirthahalli	Tanikal	Raghavendra	578454	157454	421000
11.	Thirthahalli	Thirthahalli	Tanikal	Ramesh	530761	143061	387700

12.	Thirthahalli	Thirthahalli	Tanikal	Ramesh	470109	122909	347200
13.	Thirthahalli	Thirthahalli	Tanikal	Kalpana	144869	38269	106600
14.	Thirthahalli	Thirthahalli	Tanikal	Harish	272818	68918	203900
15.	Thirthahalli	Thirthahalli	Tanikal	Shivappa	242360	59860	182500
16.	Thirthahalli	Thirthahalli	Tanikal	Prakash	1240785	331785	909000
17.	Thirthahalli	Thirthahalli	Tanikal	Sangappa Pujar	146367	37867	108500
18.	Thirthahalli	Thirthahalli	Tanikal	Swamy Naik	172494	42994	129500
19.	Thirthahalli	Thirthahalli	Tanikal	Nagesh	43313	11813	31500
20.	Thirthahalli	Thirthahalli	Tanikal	Ramappa	196695	55695	141000
21.	Thirthahalli	Thirthahalli	Tanikal	Ramanna	1643928	403228	1240700
22.	Thirthahalli	Thirthahalli	Tanikal	Mahesh	1069330	270130	799200
23.	Thirthahalli	Thirthahalli	Tanikal	Satyanarayana	1165265	310965	854300
24.	Thirthahalli	Thirthahalli	Tanikal	G H Krishna	730662	196162	534500
25.	Thirthahalli	Thirthahalli	Tanikal	Shekar Poojari	81435	20435	61000
26.	Thirthahalli	Thirthahalli	Tanikal	Sridhara Pojjari	125251	32651	92600
27.	Thirthahalli	Thirthahalli	Tanikal	Girija	138931	4931	134000
28.	Thirthahalli	Thirthahalli	Tanikal	Suresh	126038	32538	93500
29.	Thirthahalli	Thirthahalli	Tanikal	Gururaj	903551	228251	675300
30.	Thirthahalli	Thirthahalli	Tanikal	Devendra Gowda	785874	208874	577000
31.	Thirthahalli	Thirthahalli	Tanikal	G K Vinay	716596	194296	522300
32.	Thirthahalli	Thirthahalli	Tanikal	Krishna	778220	195720	582500
33.	Thirthahalli	Thirthahalli	Tanikal	Subbana	1103901	293401	810500
34.	Thirthahalli	Thirthahalli	Tanikal	Nagaraj B T	932178	229178	703000



35.	Thirthahalli	Thirthahalli	Tanikal	Jayaprakash	1117064	281564	835500
36.	Thirthahalli	Thirthahalli	Tanikal	Venkatesh	749664	201664	548000
37.	Thirthahalli	Thirthahalli	Tanikal	Manjunath	577488	153488	424000
38.	Thirthahalli	Thirthahalli	Tanikal	Mahesh	918537	232037	686500
39.	Thirthahalli	Thirthahalli	Tanikal	Satish Naik	868544	212544	656000
40.	Thirthahalli	Thirthahalli	Tanikal	Manjunath Poojary	588304	145304	443000
41.	Thirthahalli	Thirthahalli	Tanikal	Dinesh	918747	230547	688200
42.	Thirthahalli	Thirthahalli	Tanikal	Satyanarayana	772149	191149	581000
43.	Thirthahalli	Thirthahalli	Tanikal	Sankrappa	527742	136242	391500
44.	Thirthahalli	Thirthahalli	Tanikal	Sunadra Poojary	422822	108222	314600
45.	Thirthahalli	Thirthahalli	Tanikal	Harsha Poojary	562169	141069	421100
46.	Thirthahalli	Thirthahalli	Tanikal	Manjunath	708752	177852	530900
47.	Thirthahalli	Thirthahalli	Tanikal	K T Thimappa	210222	51922	158300
48.	Thirthahalli	Thirthahalli	Tanikal	Nagaratna	216249	54749	161500
49.	Thirthahalli	Thirthahalli	Tanikal	Mahesh	401500	109500	292000
50.	Thirthahalli	Thirthahalli	Tanikal	Sanjay	748343	189043	559300
51.	Shikaripura	Shikaripura	Nimbegundi	Rudrappa	379962	97462	282500
52.	Shikaripura	Shikaripura	Nimbegundi	Basappa	165673	41573	124100
53.	Shikaripura	Shikaripura	Nimbegundi	Krishnamurthy	618656	162756	455900
54.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	362598	91598	271000
55.	Shikaripura	Shikaripura	Nimbegundi	Jayamma	281381	71081	210300
56.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	171034	45734	125300
57.	Shikaripura	Shikaripura	Nimbegundi	Malleshappa	642625	157625	485000

58.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	191449	49949	141500
59.	Shikaripura	Shikaripura	Nimbegundi	Halappa	161277	42077	119200
60.	Shikaripura	Shikaripura	Nimbegundi	Prakasahappa	110538	7038	103500
61.	Shikaripura	Shikaripura	Nimbegundi	Prabhu Kumar	345973	94173	251800
62.	Shikaripura	Shikaripura	Nimbegundi	Kotreshaa	188663	51553	137110
63.	Shikaripura	Shikaripura	Nimbegundi	Maheshappa	562375	153375	409000
64.	Shikaripura	Shikaripura	Nimbegundi	Basvarajappa	185045	46745	138300
65.	Shikaripura	Shikaripura	Nimbegundi	Sureshappa	233220	60720	172500
66.	Shikaripura	Shikaripura	Nimbegundi	Prakashappa	534397	134997	399400
67.	Shikaripura	Shikaripura	Nimbegundi	Ganagamma	441577	118077	323500
68.	Shikaripura	Shikaripura	Nimbegundi	Lokappa	390027	98527	291500
69.	Shikaripura	Shikaripura	Nimbegundi	Halasidappa	97625	26625	71000
70.	Shikaripura	Shikaripura	Nimbegundi	Maleshappa	180225	45225	135000
71.	Shikaripura	Shikaripura	Nimbegundi	Ramesh	266444	68344	198100
72.	Shikaripura	Shikaripura	Nimbegundi	Panduranga	155555	38155	117400
73.	Shikaripura	Shikaripura	Nimbegundi	Shashidar	934191	235991	698200
74.	Shikaripura	Shikaripura	Nimbegundi	Nagappa	156292	41792	114500
75.	Shikaripura	Shikaripura	Nimbegundi	Sangappa	121089	30589	90500
76.	Shikaripura	Shikaripura	Nimbegundi	Harakeshwarappa	2501610	671610	1830000
77.	Shikaripura	Shikaripura	Nimbegundi	Maleshappa	112005	29805	82200
78.	Shikaripura	Shikaripura	Nimbegundi	Chandrappa	76445	5845	70600
79.	Shikaripura	Shikaripura	Nimbegundi	Anil	139122	35222	103900
80.	Shikaripura	Shikaripura	Nimbegundi	Mallikarjuna	281671	72871	208800

81.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	510447	128947	381500
82.	Shikaripura	Shikaripura	Nimbegundi	Jagadesha	1622709	401709	1221000
83.	Shikaripura	Shikaripura	Nimbegundi	Basavarajappa	110385	27885	82500
84.	Shikaripura	Shikaripura	Nimbegundi	Shivakumar	886389	235589	650800
85.	Shikaripura	Shikaripura	Nimbegundi	Krishnappa	126362	34462	91900
86.	Shikaripura	Shikaripura	Nimbegundi	Putappa	117117	32617	84500
87.	Shikaripura	Shikaripura	Nimbegundi	Nandeeshha	810852	224552	586300
88.	Shikaripura	Shikaripura	Nimbegundi	Vijay	236735	59935	176800
89.	Shikaripura	Shikaripura	Nimbegundi	Devendrappa	124380	34380	90000
90.	Shikaripura	Shikaripura	Nimbegundi	Nagappa	130569	36769	93800
91.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	255022	64422	190600
92.	Shikaripura	Shikaripura	Nimbegundi	Mallesha	1758350	479550	1278800
93.	Shikaripura	Shikaripura	Nimbegundi	Huchappa	175141	44341	130800
94.	Shikaripura	Shikaripura	Nimbegundi	Hoovamma	92834	26334	66500
95.	Shikaripura	Shikaripura	Nimbegundi	Veeresh	150150	40150	110000
96.	Shikaripura	Shikaripura	Nimbegundi	Kotreshappa	385156	109256	275900
97.	Shikaripura	Shikaripura	Nimbegundi	Nagrajappa	144504	36504	108000
98.	Shikaripura	Shikaripura	Nimbegundi	Basavarajappa	273042	76042	197000
99.	Shikaripura	Shikaripura	Nimbegundi	Kumar Gowdru	567273	150773	416500
100.	Shikaripura	Shikaripura	Nimbegundi	Basavarajappa K	2110077	597477	1512600
101.	Hosanagara	Hosanagara	Nanjuvalli	Shivakumar	386420	108420	278000
102.	Hosanagara	Hosanagara	Nanjuvalli	Nagaraj	272317	72817	199500
103.	Hosanagara	Hosanagara	Nanjuvalli	Premakumar	161535	40535	121000

104.	Hosanagara	Hosanagara	Nanjuvalli	Nagaraj	128251	35651	92600
105.	Hosanagara	Hosanagara	Nanjuvalli	Om Prakash	526292	149292	377000
106.	Hosanagara	Hosanagara	Nanjuvalli	Guruva Pujari	892437	238637	653800
107.	Hosanagara	Hosanagara	Nanjuvalli	Manjappa	213812	58312	155500
108.	Hosanagara	Hosanagara	Nanjuvalli	Nagaraj	291030	73030	218000
109.	Hosanagara	Hosanagara	Nanjuvalli	Puttaswamy	239080	67080	172000
110.	Hosanagara	Hosanagara	Nanjuvalli	Nagendra B	189052	52552	136500
111.	Hosanagara	Hosanagara	Nanjuvalli	Basavaraja N B	534397	142897	391500
112.	Hosanagara	Hosanagara	Nanjuvalli	Gururaj	704694	190694	514000
113.	Hosanagara	Hosanagara	Nanjuvalli	T R Thimappa	211304.8	55704.8	155600
114.	Hosanagara	Hosanagara	Nanjuvalli	Bhoja Pujari	132865	32665	100200
115.	Hosanagara	Hosanagara	Nanjuvalli	Ganghadhar	250302	71002	179300
116.	Hosanagara	Hosanagara	Nanjuvalli	K Manjunath	265600	65600	200000
117.	Hosanagara	Hosanagara	Nanjuvalli	Satish	245700	65700	180000
118.	Hosanagara	Hosanagara	Nanjuvalli	Veerabhadra	175370	45370	130000
119.	Hosanagara	Hosanagara	Nanjuvalli	N T Rajappa	189277	47177	142100
120.	Hosanagara	Hosanagara	Nanjuvalli	Jagadish	225500	61500	164000
121.	Hosanagara	Hosanagara	Nanjuvalli	Shivappa	201996	57196	144800
122.	Hosanagara	Hosanagara	Nanjuvalli	N M Gnapathi	97785	23985	73800
123.	Hosanagara	Hosanagara	Nanjuvalli	Chowdappa	191334	48334	143000
124.	Hosanagara	Hosanagara	Nanjuvalli	K Shekrappa	193006	51506	141500
125.	Hosanagara	Hosanagara	Nanjuvalli	Ganapathu	176343	47343	129000
126.	Hosanagara	Hosanagara	Nanjuvalli	Thammaana	97722	24522	73200

127.	Hosanagara	Hosanagara	Nanjuvalli	Ramappa	96034	25034	71000
128.	Hosanagara	Hosanagara	Nanjuvalli	Padamma	47485	16850	45800
129.	Hosanagara	Hosanagara	Nanjuvalli	Ramachandra	167152	43152	124000
130.	Hosanagara	Hosanagara	Nanjuvalli	Bhojappa	197355	49855	147500
131.	Hosanagara	Hosanagara	Nanjuvalli	Kumar	183733	48833	134900
132.	Hosanagara	Hosanagara	Nanjuvalli	Chandrashekar	198940	53940	145000
133.	Hosanagara	Hosanagara	Nanjuvalli	Umapathi	216432	54432	162000
134.	Hosanagara	Hosanagara	Nanjuvalli	Ramesh	168888	44888	124000
135.	Hosanagara	Hosanagara	Nanjuvalli	Ramesha C	983759	241859	741900
136.	Hosanagara	Hosanagara	Nanjuvalli	Shekranna	147070	37070	110000
137.	Hosanagara	Hosanagara	Nanjuvalli	Basavraja	150480	40480	110000
138.	Hosanagara	Hosanagara	Nanjuvalli	Nagaraj	204300	54300	150000
139.	Hosanagara	Hosanagara	Nanjuvalli	Putappa	107040	27040	80000
140.	Hosanagara	Hosanagara	Nanjuvalli	Vasudeva	240968	58968	182000
141.	Hosanagara	Hosanagara	Nanjuvalli	Shivaram	92296	22796	69500
142.	Hosanagara	Hosanagara	Nanjuvalli	Renukesh	417855	104855	313000
143.	Hosanagara	Hosanagara	Nanjuvalli	Babu	146190	36190	110000
144.	Hosanagara	Hosanagara	Nanjuvalli	Manjunath	180632	46632	134000
145.	Hosanagara	Hosanagara	Nanjuvalli	Shivappa	526848	134848	392000
146.	Hosanagara	Hosanagara	Nanjuvalli	Manjappa	279015	70015	209000
147.	Hosanagara	Hosanagara	Nanjuvalli	Jayamma	37128	9128	28000
148.	Hosanagara	Hosanagara	Nanjuvalli	Suresh	94785	23785	71000
149.	Hosanagara	Hosanagara	Nanjuvalli	Danappa	179828	45828	134000

150.	Hosanagara	Hosanagara	Nanjuvalli	Rama	68969	18069	50900
151.	Shivamogga	Shivamogga	Sominakoppa	Rajappa	389928	94528	295400
152.	Shivamogga	Shivamogga	Sominakoppa	Thimanna	357755	87955	269800
153.	Shivamogga	Shivamogga	Sominakoppa	Chandrappa	287730	79230	208500
154.	Shivamogga	Shivamogga	Sominakoppa	Basavarajapp	276410	65410	211000
155.	Shivamogga	Shivamogga	Sominakoppa	Thimappa	238000	63000	175000
156.	Shivamogga	Shivamogga	Sominakoppa	Ravi B R	187600	47600	140000
157.	Shivamogga	Shivamogga	Sominakoppa	Narashimappa	351120	85120	266000
158.	Shivamogga	Shivamogga	Sominakoppa	Manjunath	364000	84000	280000
159.	Shivamogga	Shivamogga	Sominakoppa	Rajappa	263925	68425	195500
160.	Shivamogga	Shivamogga	Sominakoppa	Krishna Murthy	351531	98631	252900
161.	Shivamogga	Shivamogga	Sominakoppa	Krishnappa	417696	113696	304000
162.	Shivamogga	Shivamogga	Sominakoppa	Rangappa	183446	49446	134000
163.	Shivamogga	Shivamogga	Sominakoppa	Nagarajappa	177374	46374	131000
164.	Shivamogga	Shivamogga	Sominakoppa	Krishnappa S G	182106	48106	134000
165.	Shivamogga	Shivamogga	Sominakoppa	Krishnamurthy	571326	144326	427000
166.	Shivamogga	Shivamogga	Sominakoppa	Krishna Murthy	95616	23616	72000
167.	Shivamogga	Shivamogga	Sominakoppa	Basavarajappa G M	255255	68255	187000
168.	Shivamogga	Shivamogga	Sominakoppa	Shivappa	163229	42229	121000
169.	Shivamogga	Shivamogga	Sominakoppa	Narashimappa	532534	132734	399800
170.	Shivamogga	Shivamogga	Sominakoppa	Shivashankar	497750	135750	362000
171.	Shivamogga	Shivamogga	Sominakoppa	Nagarajappa	531495	150495	381000
172.	Shivamogga	Shivamogga	Sominakoppa	Maheshappa	767175	188175	579000

173.	Shivamogga	Shivamogga	Sominakoppa	Umapathi K L	479004	121004	358000
174.	Shivamogga	Shivamogga	Sominakoppa	Manjappa K L	368280	98280	270000
175.	Shivamogga	Shivamogga	Sominakoppa	Thimesh	803796	215796	588000
176.	Shivamogga	Shivamogga	Sominakoppa	Sridhar	618105	155105	463000
177.	Shivamogga	Shivamogga	Sominakoppa	Basavarajappa G M	619491	161491	458000
178.	Shivamogga	Shivamogga	Sominakoppa	Hanumanthappa	1778566	471566	1307000
179.	Shivamogga	Shivamogga	Sominakoppa	Hallesh	660250	170450	489800
180.	Shivamogga	Shivamogga	Sominakoppa	Praveen	398724	100724	298000
181.	Shivamogga	Shivamogga	Sominakoppa	Kumar	551610	146610	405000
182.	Shivamogga	Shivamogga	Sominakoppa	Varadaraju	581728	157728	424000
183.	Shivamogga	Shivamogga	Sominakoppa	Surendra	1020036	256536	763500
184.	Shivamogga	Shivamogga	Sominakoppa	Ranganath	551610	146610	405000
185.	Shivamogga	Shivamogga	Sominakoppa	Subhash	620568	152568	468000
186.	Shivamogga	Shivamogga	Sominakoppa	Thimappa	381347	96547	284800
187.	Shivamogga	Shivamogga	Sominakoppa	Hanumanthappa	765875	208875	557000
188.	Shivamogga	Shivamogga	Sominakoppa	Chandrashekar	958392	269892	688500
189.	Shivamogga	Shivamogga	Sominakoppa	Hallesh	689618	190618	499000
190.	Shivamogga	Shivamogga	Sominakoppa	Dayananda	92072	24072	68000
191.	Shivamogga	Shivamogga	Sominakoppa	Lohith	61600	17600	44000
192.	Shivamogga	Shivamogga	Sominakoppa	Paramesh	306230	80230	226000
193.	Shivamogga	Shivamogga	Sominakoppa	Mahessh	652830	182830	470000
194.	Shivamogga	Shivamogga	Sominakoppa	Jagadish	262656	70656	192000
195.	Shivamogga	Shivamogga	Sominakoppa	Shankarmurthy	456780	111780	345000

196.	Shivamogga	Shivamogga	Sominakoppa	Harish	737955	208955	529000
197.	Shivamogga	Shivamogga	Sominakoppa	Manjunath	230340	65340	165000
198.	Shivamogga	Shivamogga	Sominakoppa	Prashanth	1201750	327750	874000
199.	Shivamogga	Shivamogga	Sominakoppa	Mohan	576756	143756	433000
200.	Shivamogga	Shivamogga	Sominakoppa	Ramesh	252220	70112	182108



**2.9 Priority thrust areas**

<b>Sl. No.</b>	<b>Thrust area</b>
1.	Organic Farming
2.	Scientific Sheep and goat rearing
3.	Farm Mechanization
4.	Bee keeping
5.	Mushroom production technology
6.	Formation and management of FPO
7.	Integrated farming system
8.	Entrepreneurial development of farmers / youth
9.	ICT in agriculture
10.	Nutrigardens
11.	Recycling of the bio-waste material
12.	Integrated Crop Management
13.	Soil acidity management
14.	Integrated nutrient management
15.	Integrated pest and disease management
16.	Variety / hybrid introduction
17.	Quality seed / seedling production
18.	Fodder production and enrichment of dry fodder crops
19.	Value addition
20.	Post harvest technology
21.	Infertility management in dairy animals
22.	Poultry management
23.	Resource conservation

## **PART III - TECHNICAL ACHIEVEMENTS (2020)**

### 3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
10	10	40	40	17	17	131	131

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes(No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
75	81	2500	2667	20	22	10000	11360

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
15.00	17.43	15000	16393

Livestock, poultry strains and fingerlings (No.) NIL		Bio-products (Kg) NIL	
7		8	
Target	Achievement	Target	Achievement

## 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.	Hybrid introduction	Ridge Gourd	Low yield, incidence of fruit fly and Downey mildew, less awareness on new improved hybrids	Assessing the performance of Ridge Gourd hybrids	--	2	1	-	5	Arka Vikram seeds = 0.008 gm COH 1 seeds = 0.006 gm	-	-	-	-
2.	Hybrid introduction	Bhendi	Low yield , YVMV, Shoot and fruit borer incidence, inferior quality of fruits	Assessment of Bhendi hybrids for adoptability	-	2	-	-	4	COBH-4 seeds = 0.003 gm. Arka Nikitha seeds = 0.006 gm.	-	-	-	-
3.	Integrated nutrient management	Maize	High cost of production, High dose of fertilizer application, Less fertilizer use efficiency, No knowledge on Nano fertilizers	Assessing of Nano fertilizers (N & Zn) on growth and yield of maize	-	2	-	-	5	-	-	-	-	-
4.	Nutrient management	Tomato	No knowledge on liquid seaweed fertilizer & its importance in crop production	Effect of liquid seaweed fertilizer on growth & yield of Tomato	-	2	-	-	4	-	-	-	-	-
5.	Integrated pest management	Bhendi	Low yield, higher incidence of shoot and fruit borer	Management of Shoot and Fruit borer of Bhendi		3	-	-	5	-	-	-	2	3.25
6.	Integrated Pest And Disease	Paddy	Stem borer, leaf roller, blast, sheath		Major pest and	5	-	-	6	-	-	-	1	16 ltr.

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.	
	Management		blight		disease management in Paddy										
7.	Integrated nutrient management	Paddy	Imbalanced nutrient application, Application of 'K' fertilizer , as basal dose only, No foliar spray of nutrients , Low yield		Integrated nutrient management in paddy	3	-	-	5	-	-	-	3	7.5 kg	
8.	Integrated pest management	Tomato	Low yield, Fruit borer incidence, Indiscriminate use of pesticides		Management of Fruit borer in Tomato	2	-	-	5	-	-	-	2	12 ltr.	
9.	Food Science and Nutrition	Drumstick	Lack of knowledge regarding nutritional importance of drumstick leaves	-	Demonstration of value addition to drumstick leaves	2	-	-	4	-	-	-	-	-	
10.	Variety introduction	Coriander leaf	Less awareness on high yielding, multicut varieties	-	Demonstration on high yielding, multi-cut Coriander variety 'Arka Isha'	1	-	-	3	Coriander seeds =0.005	-	-	-	-	
11.	Hybrid introduction	Tube Rose	Low yield, Flower size is small, less weight		Demonstration of Tube Rose hybrid 'Prajwal'	2	-	-	7	Tube rose corms =0.040	-	-	-	-	

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.
12.	Integrated Disease Management	Banana	Low yield, Wilt and Sigatoka disease	-	Wilt and Sigatoka disease management in Banana	3	-	-	6	-	-	-	2	160
13.	Integrated crop management	Black Pepper	Quick wilt, leaf rot, micro-nutrient deficiency, Improper filling of spikes, irregular growth of berries, lower yield	-	Integrated crop management in black pepper	4	-	-	6	-	-	-	1	50
14.	Food Science & Nutrition	Tamarind	Distress sale due to less market value of raw product and value addition to tamarind		Demonstration on keeping quality of Tamarind	1	-	-	-	-	-	-	-	-
15.	Pest Management	Areca nut	Root grub	-	Management of Root grub in areca nut	3	-	-	5	-	-	-	2	1050
16	Variety introduction	Ragi	Low yield, less resistant to leaf blast and neck blast diseases	-	Demonstration of Ragi variety KMR-630	1	1	-	2	5 Kg	-	-	Azospirillum	150g m
17	Resource conservation	Paddy	High cost of cultivation & Labour scarcity	-	Demonstration on DSR Method for paddy cultivation	2	1	-	4		-	-		
18	Variety introduction	Redgram	Low yield, susceptible to wilt and pod borer	-	Demonstration of Red gram	1	-	-	2	6 Kg	-	-	Rhizobium & PSB	0.4 Kg

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.	
					variety BRG-5										
19	Variety introduction	Paddy	Low yielding existing varieties, Incidence of blast, BLB	Assessment of improved Fine rice variety	-	2	-	-	4	KMLT-4, 7 Kg RNR-15048, 7 kg	-	-	-	-	
20	Variety introduction	groundnut	Low yield due to moisture stress, tikka disease, poor plant population / Sq m. (Improper spacing 30x15 cm) and lower seed rate @ 35 kg/acre	Performance of groundnut varieties for better yield	-	1	-	-	3	GPBD-4 45Kg G-2-52, 45 Kg	-	-	Rhizobium & PSB	2 Kg	
21	Resource Conservation Technology	Arecanut	Non availability of suitable quick microbial decomposing cultures for decomposition of Agricultural bio waste	Assessment of microbial cultures for quick decomposition of Agricultural bio waste		02	-	-	Training-2 Advisory over phone-24	-	-	-	Waste decomposer-80 bottles Composting culture -	(20 grams each) 80kgs	
22	Organic farming	Arecanut	Areca husk is thrown on road side and it is burnt		Decomposition of Areca husk for value added compost	02	-	-	Training-2 Advisory over phone-56	-	-	-	Composting culture	100 kgs	
23	Improvement of nutrient utilization and productive performance in	Livestock	Lower milk yield, low milk fat and lower fertility rate in cross bred cows due to deficiency of minerals	Assessment on Chelated mineral Supplementation on milk yield and quality in lactating	--	02	-	01	03		-	Mineral 25 kg mixture Chelated mineral	-	-	

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.
	lactating animals		which leads to economic loss and less number of calves per cow in life span.	dairy animals								100 kg		
24	Infertility management	Livestock	Infertility due to mineral deficiency, hormonal imbalance, parasitic infestation leads to decreased fertility, milk production and less number of calves per animal in the life span (economic loss).	-	Integrated management of reproductive disorders in dairy animals	04	-	02	04		-	Fenbendazole-20 bolus Ivermectin 50ml Gnrh 50 ml PGf2 20ml Mineral mixture 50 kg	-	-
25	Control & detection of mastitis and clean milk production	Livestock	Subclinical mastitis, lower milk yield, quality deterioration of milk and economic loss	-	California mastitis test to detect mastitis in cows	2	-	-	5		-	CMT kit 20 No. Mammidium 2kg Flamguard 2 litres Mastiwok 100 ml	-	-
26	Production of chicks	Backyard poultry	Less number of chicks by natural broody hens in backyard poultry	-	EDP- Establishment of small hatchery unit	2	-	-	4		-	Semi-automatic hatchery unit 02 numbers	-	-

## 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.	Assessing the performance of Ridge Gourd hybrids	IIHR, Bengaluru and TNAU, Coimbatore	Ridge Gourd	3	-	2	Field visits=6 Group Meeting=3 Farmers visit to KVK=8 CCC=35 Advisories over phone = 18 Soil testing consultancy = 12
2.	Assessment of Bhendi hybrids for adoptability	IIHR, Bengaluru and TNAU, Coimbatore	Bhendi	5	-	2	Field visits=12 Group Meeting=2 Farmers visit to KVK=22 CCC=48 Advisories over phone = 21 Soil testing consultancy = 18
3.	Assessing of Nano fertilizers (N & Zn) on growth and yield of maize	UAHS, Shivamogga and IFFCO-NBRC, Gujarath	Maize	3	-	3	Field visits=10 Group Meeting=3 Method demonstration = 3 Farmers visit to KVK=18 CCC=22 Advisories over phone = 16 Soil testing consultancy = 38
4.	Effect of liquid seaweed fertilizer on growth & yield of Tomato	UHS, Bagalkot and Council of Scientific and Industrial Research, Central Salt & Marine Chemical Research Institute (CSIR-CSMCRI), Bhavnagar, Gujarat & Rajasthan College of Agriculture, Udaipur	Tomato	2	-	3	Field visits=14 Group Meeting=1 Method demonstration = 2 Farmers visit to KVK=26 CCC=32 Advisories over phone = 12 Soil testing consultancy = 36



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
5.	Management of Shoot and Fruit borer of Bhendi	UAS, Bengaluru and IIVR, Varanasi	Bhendi	5	-	3	Field visits=4 Group Meeting=1 Farmers visit to KVK=13 CCC=9 Advisories over phone = 18 Soil testing consultancy = 26
6.	Major pest and disease management in Paddy	UAHS, Shivamogga	Paddy	-	8	6	Field visits=4 Group Meeting=2 Method demonstration = 2 Farmers visit to KVK=18 CCC=12 Advisories over phone = 16 Soil testing consultancy= 21
7.	Integrated nutrient management in paddy	UAHS, Shivamogga	Paddy	-	5	3	Field visits=8 Group Meeting=2 Method demonstration =5 Farmers visit to KVK=22 CCC=42 Advisories over phone = 22 Soil testing consultancy= 435
8.	Management of Fruit borer in Tomato	UAHS, Shivamogga	Tomato	-	8	3	Field visits=3 Group Meeting=1 Farmers visit to KVK=10 CCC=8 Advisories over phone = 8 Soil testing consultancy= 18 Method demonstration = 3
9.	Demonstration of value addition to drumstick leaves	UHS, Bagalkot	Drumstick	-	5	2	Field Visits :2 Advisories over phone : 2 Method demonstration = 2

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
10	Demonstration of high yielding, multi-cut Coriander variety 'Arka Isha'	IIHR, Bengaluru	Coriander	-	10	2	Field visits=3 Group Meeting=1 Farmers visit to KVK=18 CCC=36 Advisories over phone = 22 Soil testing consultancy= 15
11	Demonstration of Tube Rose hybrid 'Prajwal'	IIHR, Bengaluru	Tube Rose	-	5	3	Field visits=8 Group Meeting=3 Farmers visit to KVK=16 CCC=15 Advisories over phone =20 Soil testing consultancy= 12
12	Wilt and Sigatoka disease management in Banana	UHS, Bagalkot and UAHS, Shivamogga	Banana	-	5	4	Field visits=10 Group Meeting=2 Farmers visit to KVK=12 CCC=29 Advisories over phone = 18 Soil testing consultancy= 28
13	Integrated crop management in black pepper	IISR, Calicut and IIHR, Bengaluru	Black Pepper	-	5	5	Field visits=12 Group Meeting=2 Farmers visit to KVK=28 CCC=75 Advisories over phone = 48 Soil testing consultancy= 96 Method demonstration = 4
14	Demonstration on keeping quality of Tamarind	OUAT and TNAU, Agri tech portal, Post harvest technology institute of horticulture and fruit research technology-2015	Tamarind	-	5	1	Group meeting = 1, Advisories over phone = 5

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
15	Root grub in arecanut	UAHS, Shivamogga	Arecanut	-	5	3	Field visits=15 Group Meeting=4 Method demonstration = 8 Farmers visit to KVK=62 CCC=16 Advisories over phone = 52 Soil testing consultancy= 96
16	Assessment of improved Fine rice variety	UAHS Shivamogga and ANGRAU Hyderabad	Paddy	1	-	2	Field visit- 4 Advisory over phone -5 Field day-1 Farmers Participated -23
17	Performance of groundnut varieties for better yield	UAS Dharwada	Groundnut	1	-	1	Advisory over phone -8
18	Demonstration of Ragi variety KMR-630	UAS Bangalore	Ragi	-	1	2	Field visit-4 Advisory over phone -6 Field day-1 Farmers Participated -31
19	Demonstration on DSR Method for paddy cultivation	UAS Raichur	Paddy	-	1	4	Field visit-4 Advisory over phone -4 Field day-1 Farmers Participated -23
20	Demonstration of Red gram variety BRG-5	UAS Bangalore	Red gram	-	1	2	Field visit-5 Advisory over phone -7 Field day-1 Farmers Participated -49
21	Assessment of microbial cultures for quick decomposition of Agricultural bio waste	UAHS, Shivamogga NCOF, Gaziabad	Arecanut	1		2	-
22	Decomposition of Areca husk for value added compost	UAHS, Shivamogga	Arecanut		1	2	-

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
23	Assessment on Chelated mineral Supplementation on milk yield and quality in lactating dairy animals	NDDB, Bangalore	Livestock	3	-	2	Field visits=04 Group Meeting=03 Farmers visit to KVK=08 Advisories over phone = 18
24	Integrated management of reproductive disorders in dairy animals	KVAFSU, Bidar. NDRI, Bangalore	Livestock	10	-	2	Field visits=12 Group Meeting=2 Farmers visit to KVK=22 Advisories over phone = 21 Soil testing consultancy = 18
25	California mastitis test to detect mastitis in cows	TANUAAS, Chennai	livestock	10	-	3	Field visits=05 Group Meeting=3 Method demonstration = 3 Farmers visit to KVK=12 Advisories over phone = 17
26	Evaluation of climbing device for Arecanut	TNAU, Coimbatore, UAHS, Shivamogga	Mechanisation	5	-	-	-
27	Demonstration of Black gram variety Rashmi (LBG - 625)	<b>UAHS, Shivamogga</b>	Black gram	-	10	-	-

## 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	2	-	1					62	18	12	6	32	16	8	2	
2	1	1	1					32	12	6	3	18	6	4	1	
3	2	1						42	8	2	0	22	8	6	2	
4	-	-	2	1				33	12	12	6	28	12	3	1	
5	3	1	1	-				72	16	19	5	32	8	15	6	
6					6	1	1	-	102	38	28	18	29	9	6	2
7					5	-	-	-	33	11	10	7	32	6	5	2
8					8	-	-	-	32	12	6	3	38	6	12	6
9					-	5	-	-	-	8	-	2	2	6	6	2
10					5	1	2	-	18	12	2	-	12	6	8	3
11					2	-	3	-	42	8	2	0	42	16	12	3
12					2	-	3	-	72	16	19	5	39	17	19	3
13					5	-	-	-	102	38	28	18	49	18	26	4
14	-	-	-	-	-	-	-	5	1	-	3	13	-	-	-	-
15					5	-	-	-	68	11	8	3	41	16	8	2
16	2	-	1	-	-	-	-	-	28	2	4	-	-	-	-	-
17	2	-	1	-	-	-	-	-	12	-	6	-	-	-	-	-
18	-	-	-	-	9	-	1	-	15	8	7	3	-	-	-	-
19	-	-	-	-	9	-	1	-	20	2	2	2	-	-	-	-
20	-	-	-	-	8	-	2	-	35	8	3	15	-	-	-	-
21	4	-	1	0					16	07	8	4	-	-	-	-
22					9	1	-	-	18	08	10	3	-	-	-	-
23	4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	1	-	-	-	58	8	9	2	14	2	4	1
25					8	-	2	-	40	2	14	3	12	4	-	-
26	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	8	2	-	-	-	-	-	-	-	-	-	-

## PART IV - On Farm Trial (2020)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	1				1					2
Varietal Evaluation	1	1			2					4
Integrated Pest Management					1					1
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology								1		1
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Cropping Systems										
Farm Mechanization								1		1
Mushroom cultivation										
others										
Variety introduction										
Hybrid introduction										
Total	2	1			4			2		9

### 4.A2. Abstract on the number of technologies refined in respect of crops : NIL

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
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										
Cropping Systems										
Farm Mechanization										
Mushroom cultivation										
Others										
<b>Total</b>										

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

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

#### 4.A4. Abstract on the number of technologies refined in respect of livestock : 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						
Dairy						
Others (Pl. specify)						
<b>TOTAL</b>						

#### 4.B. Achievements on technologies Assessed and Refined

##### 4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	Maize	Effect of Nano fertilizers (N & Zn) on Growth and Yield of Maize	3	3/ Harogoppa, Shikaripura taluk	0.80
	Tomato	Effect of liquid seaweed fertilizer on growth & yield of Tomato	3	3 / Nimbegondhi, Shikaripura taluk	0.80
Varietal Evaluation	Paddy	Assessment of improved fine rice varieties	3	3 / Koragi, Shivamogga taluk, Addrei, Hosanagar taluk, Hirekoppa, Shivamogga taluk	0.90
	Groundnut	Performance of Groundnut varieties for better yield	3	3/Muddinakoppa and Siddalipura, Shivamogga Guledahalli, Shikaripura	1.20
	Bhendi	Assessment of Bhendi hybrids for adoptability	3	3 / Muddinakoppa, Shivamogga taluk	1.20
	Ridge Gourd	Assessing the performance of Ridge gourd hybrids	3	3/ Nimbegondhi, Shikaripura taluk Harnahalli, Shivamogga taluk	1.20
Integrated Pest Management	Bhendi	Management of Shoot and Fruit borer of Bhendi	5	5 / Muddinakoppa, Shivamogga taluk, Harogoppa, Shikaripura taluk	0.80



Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology	Decomposition of Agricultural Bio waste	Assessment of microbial cultures for quick decomposition of Agricultural bio waste	05	05 / Tanikal-Thirthahalli taluk Shettihalli-Shivamogga Nedaravalli-Sagara taluk Harogoppa-Shikaripura	0.1
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

#### 4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of trials	No. of farmers/ locations
Evaluation of breeds				
Nutrition management	Cattle	Assessment on effect of Chelated mineral supplementation on milk yield and quality in lactating dairy animals	10	10
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
<b>Total</b>			10	10

**4.B.4. Technologies Refined under Livestock and other enterprises : NIL**

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

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

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

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

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

## 4.C1. Results of Technologies Assessed

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Paddy	Irrigated	Low yield in existing varieties, incidence of blast, BLB	Assessment of improved fine rice varieties	3	T.O.1 : JGL : 1798	(Farmers practice) :	43.4	q/ha	Stem borer incidence (%) = 17.42	73425	27224	1.58
									Blast incidence (%) = 21.04			
									Plant height =86.70 (cm)			
									Panicle density =257.80 (m2)			
					T.O.2 : KMLT - 4	UAHS, Shivamogga	55.45	q/ha	Stem borer incidence (%) = 9.41	93258	39456	1.73
									Blast incidence (%) = 8.90			
									Plant height = 92.0 (cm )			
									Panicle density =286.66 (m2 )			
					T.O.3 : RNR - 15048	ANGRAU, Hyderabad	52.07	q/ha	Stem borer incidence (%) = 11.01	87345	35037	1.66
									Blast incidence = 9.86			
									Plant height =87.33 (cm)			
									Panicle density=278 (m2)			
								Grains per panicle = 131.33				

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
Ground nut	Limited irrigation	Low yield, tikka disease, poor plant population per square metre, low seed rate	Performance of groundnut varieties for better yield	3	Tech. opt-1:TMV – 2	Farmers practice	In Progress					
					Tech. opt.– 2:GPBD – 4	UAS, Dharwad						
					Tech. opt.–3: G-2 – 52	UAS, Dharwad						
Arecanut climbing machine		Shortage of labours specially for climbing and harvesting of nuts, climbing tress without any safety device may lead to accidents specially for the learners, confidence level of trainees is low	Areca palm climbing through machine	15	Tech. opt.–1 - Manual method of tree climbing	Farmers practice	In Progress					
					Tech. opt.–2: Mechanised climbing device for arecanut	TNAU, Coimbatore						
					Tech. opt.–3: Mechanised climbing with safety device	UAHS, Shivamogga						
					Tech. opt.–4:	UAHS, Shivamogga						

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
					Manual climbing with safety device	ga						
Decomposition of Agricultural Bio waste	Both kharif and rabi	Non availability of suitable quick microbial decomposing cultures for decomposition of Agricultural bio waste	Assessment of microbial cultures for quick decomposition of Agricultural bio waste	05	Tech.Opti on-1: Cow dung + Agricultural crop residues	Farmer's practice			In progress			
					Tech.Opti on-2: Cow dung + Agricultural crop residues +waste decomposing cultures (composting microbial consortium culture)	NCOF, Gaziabad						
					Tech.Opti on-3: Cow dung + Agricultural	UAHS, Shivamogga						

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
					al crop residues+ Decompo sing culture(Mi crobial consortiu m)							
Ridge Gourd	Irrigat ed	Low yield, incidence of fruit fly and Downey mildew, less awareness on new improved hybrids	Assessing the performance of Ridge Gourd hybrids	3	Tech.Opt- 1: Rama Tech.Opt- 2: Arka Vikram Tech.Opt- 3: COH-1	Farmers' Practice IIHR, Bengaluru TNAU, Coimbatore			In progress			
Tomato	Irrigat ed	No knowledge on liquid seaweed fertilizer & its importance in crop production	Effect of liquid seaweed fertilizer on growth & yield of Tomato:	3	Tech.Opt- 1: Imbalan ced fertilizer applicati on Tech.Opt- 2: Soil test based nutrient managem ent (RDF: FYM	Farmers' Practice UHS, Bagalkot			In progress			

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
					38t/ha, 250:250:2 50 NPK kg/ha) + Arka vegetable special spray 5gm/l one and half month DAT and other 2 sprays at 15 days interval							
					Tech.Opt- 3 : Soil test based nutrient managem ent RDF + Liquid seaweed fertilizer 5% foliar spray at 7 days before flowering and second	Council of Scientific and Industrial Research , Central Salt & Marine Chemical Research Institute (CSIR- CSMCRI) , Bhavnaga r, Gujarat						

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
					spray at 7 days after flowering	& Rajasthan College of Agricultur e, Udaipur						
Bhendi	Irrigated	Low yield , YVMV, Shoot and fruit borer incidence, inferior quality of fruits	Assessment of Bhendi hybrids for adoptability	3	Tech.Opt- 1: Shakti	Farmers' Practice			In progress			
					Tech.Opt- 2: Arka Nikitha	IIHR, Bengalur u						
					Tech.Opt- 3: COBH- 4	TNAU, Coimbato re						
Maize	Rainfed	High cost of production, High dose of fertilizer application, Less fertilizer use efficiency, No knowledge on Nano fertilizers	Assessing of Nano fertilizers (N & Zn) on growth and yield of maize	3	Tech.Opt- 1: Applicatio n of NP fertilizers as basal dose & top dressing with N fertilizer, non or less applicatio n of K fertilizer	Farmers Practice			In progress			



				<p>Tech.Opt-2:Soil test based nutrient management (RDF: FYM 7.5t/ha, Zinc Sulphate 10kg/ha, 100:50:25 NPK kg/ha) 50% N full P &amp; K as basal, 50% N at 30 DAS</p>	<p>UAHS, Shivamogga</p>	
				<p>Tech.Opt-3:Soil test based nutrient management: (RDF: FYM 7.5t/ha, Zinc Sulphate 5kg/ha, 50:50:25 NPK kg/ha) Application of 50 % N &amp; 100% P &amp; K as basal dose, N &amp; Zn Nano fertilizers spray at 30DAS (4 ml/l) &amp; second spray at 20 days after first spray</p>	<p>IFFCO-NBRC, Gujarath</p>	

Bhendi	Irrigated	Low yield, higher incidence of shoot and fruit borer	Management of Shoot and Fruit borer of Bhendi	5	Tech.Opt-1: Indiscriminate use of insecticides	Farmers' Practice	126.46	q/ha	Shoot and Fruit borer (%)= 23.40 YVMV incidence(%) = 27.40	151754	83644	2.23
					Tech.Opt-2: Spraying of Quinolphos, 25 EC @ 2ml/l & Malathion 50EC @ 2ml/l	UAS, Bengaluru	133.53	q/ha	Shoot and Fruit borer (%)= 19.75 YVMV incidence (%)= 21.97	160238	90695	2.30
					Tech.Opt-3: (1) Spraying of NSKE 4% @ 5 ml/l (2) Emamectin Benzoate @ 0.5 g/l (3) Spraying of B.t. @ 1 ml/l	IIVR, Varanasi	151.12	q/ha	Shoot and Fruit borer (%)= 8.61 YVMV incidence (%)= 11.71	181349	109459	2.52

Livestock	Dairy	Lower milk yield, low milk fat and lower fertility rate in cross bred cows due to deficiency of minerals which leads to economic loss and less number of calves per cow	Assessment on Chelated mineral Supplementat ion on milk yield and quality in lactating dairy animals	10	T.O.1 2-3 kg Grains feeding + 10-12 kg green fodder + 4-5 kg dry fodder per day	Farmers practice	9.2	liters	Milk fat=3.2-3.6%	Intercalving period-yet to be record (In progress)
					T.O.2 Conce ntrate feed 3 kg + 15 kg green fodder + 4-5 kg dry fodder per day (10-12L yield)+ mineral mixture feeding @ 50g /day	KVAFSU, BIDAR	11.5	liters	Milk fat =3.6-3.9%	Intercalving period-yet to be record (In progress)

				T.O.3 Conce ntrate feed 3 kg + 15 kg green fodder + 4-5 kg dry fodder per day (10- 12L yield)+ chelate d mineral mixture feeding @ 80g /day	NDDB, Bangalor e	12.0	liters	Milk fat= 3.6-4.0%	Intercalving period-yet to be record (in progress)
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**4. C2. Feedback on technologies assessed :**

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of improved fine rice varieties	Fine rice variety KMLT-4 was recorded low pest and disease incidence. Hence farmers accepted this variety. Seeds not available in large scale	Farmers getting higher yield, more gross return and net return compared to TO-1 and TO-3 with B:C ratio 1.73. Consumer preference is good
Management of Shoot and Fruit borer of Bhendi	1) Spraying of NSKE 4% @ 5 ml/l 2) Emamectin Benzoate @ 0.5 g/l 3) Spraying of B.t. @ 1 ml/l  Recorded the lesser incidence of pest. The bio-pesticides are not easily available	Plant products and bio-pesticides are eco-friendly and safer to human beings. However, B.t. is not available in local market.
Chelated mineral Supplementation on milk yield and quality in lactating dairy animals	Dietary supplementation of cost effective chelated (area specific) mineral mixture improves nutrient utilization, mineral bioavailability and milk production performance in dairy cows, variation in milk fat is minimum.	Proper dosage while mixing with daily feed, sometimes farmers skip the treatment.

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

1. Title of Technology Assessed : Assessment of improved fine Rice Varieties
  2. Performance of the Technology on specific indicators: Technology 2: KMLT – 4: KMLT-4 fine rice variety performing superior with respect to yield and yield attributing characters. Pest and disease incidence was also less compared to other two technologies viz., JGL – 1798 and RNR - 15048
  3. **Specific Feedback from farmers:** Farmers opined that, variety KMLT-4 gives higher yield, Less pest and disease in demo was noticed.
  4. Specific Feedback from Extension personnel and other stakeholders : The paddy variety KMLT-4 is a high yielding variety and the farmers are readily accept to grow this variety
  5. Feedback to Research System based on results and feedback received : Pest and disease tolerant fine rice varieties are to be developed
  6. Feedback on usefulness and constraints of technology : Seed production activity should be carried out
- 
1. Title of Technology Assessed : Management of Shoot and Fruit borer of Bhendi
  2. Performance of the Technology on specific indicators: Technology Option - 3 :  
1) Spraying of NSKE 4% @ 5 ml/l; 2) Emamectin Benzoate @ 0.5 g/l ; (3) Spraying of B.t. @ 1 ml/l. This technology is performed better and recorded lesser pest incidence.
  3. Specific Feedback from farmers: Farmers opined that, spraying of NSKE 4% @ 5 ml/l + Emamectin Benzoate @ 0.5 g/l + Spraying of B.t. @ 1 ml/l recorded lesser incidence of shoot and fruit borer and higher yield and net returns.
  4. Specific Feedback from Extension personnel and other stakeholders : Plant products and bio-pesticides are eco-friendly and safer to human beings.
  5. Feedback to Research System based on results and feedback received : Develop the high yielding and YVMV resistant hybrids
  6. Feedback on usefulness and constraints of technology : B.t. is not available in local market.
- 
1. Title of Technology Assessed: Chelated mineral supplementation on milk yield and quality in lactating dairy animals

2. Performance of the Technology on specific indicators; About 20.8% and 4.2% increase in milk yield than farmers practice and package of practice ,respectively. Found consistency in milk fat in both package of practice and alternate practice
3. Specific Feedback from farmers: Rejection of milk in the society reduced, heat symptoms are clear in dairy animals, feed consumption and efficiency is better. Most of the animals under trail are conceived for two inseminations
4. Specific Feedback from Extension personnel and other stakeholders; Area specific mineral mixture is cost effective and results related to milk yield and reproductive efficiency are good. Need scientific awareness among the farmers about dosage and different kinds of mineral mixtures available.
5. Feedback to Research System based on results and feedback received; More research on chelated mineral dosage may be considered.
6. Feedback on usefulness and constraints of technology: Area specific mineral mixture useful in increasing milk yield, milk fat and reproductive efficiency in dairy animals. Proper dosage while mixing with daily feed, sometimes farmers skip the treatment are the some constraints with the technology.

**4.D1. Results of Technologies Refined : NIL**

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
					T.O.1 (Farmers practice)							
					T.O.2							
					T.O.3							

**4. D2. Feedback on technologies refined : NIL**

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

**4.D.2. Details of Technologies refined: NIL**

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

**PART V - FRONTLINE DEMONSTRATIONS (2020)****5.A. Summary of FLDs implemented**

Sl. No	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
	Oilseeds													
	Pulses													
		<b>Irrigated</b>	Summer	Black gram	LBG - 625	-	Variety Introduction	Demonstration of short duration Black gram variety Rashmi (LBG - 625) for paddy fallows Seed treatment with <i>Rhizobium</i> and PSB (200 gm each for acre seeds)	4.0	4.0	2		3	5
		<b>Rainfed</b>	kharif	Red gram	BRG - 5	-	Variety introduction	Demonstration of Redgram variety- BRG-5. Seed treatment with bio-fertilizers ( <i>Rhizobium</i> & PSB) Spraying of Profenophos for pod borer	4.0	4.0	2		4	4
	Cereals													
		Irrigated	Kharif	Paddy	Aman Sona	-	Resource conservation	Seed cum fertilizer drill, Herbicides, RDF based on Soil test	4.0	4.0	3		3	4



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
		Irrigated	Kharif	Paddy	IET-Sanna	-	<b>Integrated nutrient management</b>	<b>Integrated nutrient management in paddy:</b> <ul style="list-style-type: none"> <li>• Soil test based fertilizer application (RDF-FYM10t/ha, 100:50:50 kg NPK/ha, ZnSO<sub>4</sub>-20 kg/ha)</li> <li>• Bio inoculation of Effective Microbial Consortium (<i>Azospirillum</i>, PSB &amp; KSB each 1kg/ha seeds)</li> <li>• 1% 19:19:19 spray @ maximum tillering stage</li> <li>• 1% 13:0:45 @ grain filling stage</li> </ul>	2.0	2.0	-	5	3	2
		Irrigated	Kharif	Paddy	JGL-1798	-	Integrated Pest and Disease Management	<b>Major pest and disease management in Paddy</b> <ul style="list-style-type: none"> <li>• IPM-Cultural and mechanical</li> </ul>	3.2	3.2	1	7	5	3

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	
								<ul style="list-style-type: none"> <li>• Release of <i>Trichogramma</i> @ 1.0 lakh/acre</li> <li>• Spraying of Azadirachtin @ 2.5 ml/l</li> <li>• Spraying of Tricyclozole @ 0.6gm/l</li> <li>• Application of Chlorantraniliprole @ 4 kg / ac.</li> <li>• Spraying of Propiconazole 25 EC @ 1 ml/l</li> </ul>							
	Millets														
		Rainfed	Kharif	Ragi	KMR-630	-	Variety Introduction	Demonstration of Ragi variety KMR-630 <ul style="list-style-type: none"> <li>• Soil test based fertilizer: RDF (FYM 3t/acre, 20:15:16 NPK/acre, <i>Azospirillum</i> 150gm/acre seeds)</li> </ul>	4.0	4.0	3		2	5	
	Vegetables	Irrigated	Kharif	Tomato	-	JK-818	Integrated pest management	Management of Fruit borer in Tomato : <ul style="list-style-type: none"> <li>• Radish as inter</li> </ul>	1.6	1.6	-	8	6	2	

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
								crop in between 2 rows of tomato						
								<ul style="list-style-type: none"> <li>• Marigold as a trap crop (25:1)</li> <li>• Spraying of HaNPV (250 LE/ha)</li> </ul>						
		Semi-irrigated	Rabi	Drumstick	PKM-1	-	Value addition	Value addition in drumstick leaves	-	-	-	5	4	1
		Irrigated	Summer	Coriander	Arka Isha	--	Variety introduction	<p>Demonstration of high yielding, multi-cut Coriander variety 'Arka Isha':</p> <ul style="list-style-type: none"> <li>• Demonstration of Coriander high yielding, multi-cut variety – 'Arka Isha'</li> <li>• RDF (35:35:35 NPK kg/ha) + FYM 6 t/ha</li> <li>• IIHR vegetable special</li> <li>• Azadiractin 5000 PPM @ 2.5 ml/lt</li> </ul>	1.0	1.0	2	6	6	2
	Flowers													
	Tube Rose	Irrigated	Kharif	Tuberose		Prajwal	Hybrid introduction	<b>Demonstration of Tube Rose hybrid 'Prajwal':</b>	0.5	0.5	3	2	3	2
								<ul style="list-style-type: none"> <li>• Demonstration of Tube Rose hybrid– 'Prajwal'</li> </ul>						

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
								• RDF (100:50:50 NPK kg/ha) + FYM 30 t/ha						
	Ornamental													
	Fruit													
	Banana	Irrigated	<i>Kharif</i>	Banana	Putta bale	-	Integrated Disease Management	<b>Wilt and Sigatoka disease management in Banana :</b> <ul style="list-style-type: none"> <li>Sucker treatment with Copper oxy chloride 3g + Streptocycline 0.3g/lit. of water for 45 minutes before planting</li> <li>Application of <i>Trichoderma</i> and <i>Pseudomonas</i> @ 50 gm/ plant</li> <li>Drenching with Copper oxy chloride 3g + Streptocycline 0.3 g/l</li> <li>Spraying of Propiconazole @ 1 ml/lit</li> </ul>	1.00	1.00	3	2	3	2
	Spices and													

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
	condiments													
	Black Pepper	Irrigated	<i>Kharif</i>	Black Pepper	Paniyur -1	--	Integrated crop management	<b>Integrated crop management in black pepper :</b> <ul style="list-style-type: none"> <li>• Soil test based fertilizer application</li> <li>• 'Pepper special' – micro nutrient mixture spray with 5 gm/l. (1<sup>st</sup> spray during spike initiation with onset of monsoon, 2<sup>nd</sup> spray 2 months after first spray)</li> <li>• Metalaxyl MZ 8% and Bordeaux mixture (1%) spray</li> <li>• Drenching of Bordeaux mixtures (1%) and Arka microbial consortia 20 gm/l (June &amp; September) for leaf rot and</li> </ul>	1.0 (25 vines / demo)	1.0 (25 vines / demo)	-	5	1	4

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
								quick wilt						
	Commercial													
	Medicinal and aromatic													
	Fodder													
	Plantation													
		Irrigated	Kharif and rabi	Areca nut	-	-	Decomposition	Decomposition of Areca husk for value added compost	10 number	10 number	3	7	4	6
		Irrigated	<i>Kharif</i>	Areca nut	Sagar Local	-	Pest Management	<b>Root grub in arecanut :</b> <ul style="list-style-type: none"> <li>• Soil application of neem cake @ 2 kg/palm + <i>Metarhizium anisopliea</i> @ 20 gm/palm during the month of June-July</li> <li>• Drenching of Imidacloprid 3L solution/palm @ 0.5 ml/L and also for entire garden during Aug-Sep &amp; Oct-Nov</li> </ul>	2.0	2.0	-	5	1	4

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
		Rainfed	Summer	Tamarind	-	-	Improved practice for storage	<b>Demonstration on Keeping quality of tamarind :</b> Improved Practice (Adding boil water, oil and Sodium benzoate (2 gm/kg)).	5	5	5	-	5	-
	Fibre													
	Dairy													
		Livestock	--	--	HF Jersey	Cross breeds	Nutritional management	<b>Integrated management of reproductive disorders:</b> <ul style="list-style-type: none"> <li>• Deworming, control of ecto parasites and mineral mixture supplementation 15 days before synchronization</li> <li>• Feeding balanced ration</li> <li>• Zero day injecting GnRh hormone-2.5 ml I/M</li> <li>• 7<sup>th</sup> day injecting PGF2 hormone-2.5 ml I/M</li> </ul>	10	10	--	10	4	6

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
								<ul style="list-style-type: none"> <li>• 9th day injecting GnRh hormone-2.5 ml I/M</li> <li>• 10<sup>th</sup> day Artificial insemination and 11<sup>th</sup> day AI</li> <li>• Scientific management practices</li> </ul>						
		Livestock	--	--	HF Jersey	Cross breeds	Disease management	<b>Demonstration of California Mastitis test to detect Mastitis in cows :</b> a) Washing of udder before and after milking with kmno4 solution b) Hygienic management of cattle shed c) Early diagnosis of mastitis by California mastitis test and infusion of antibiotic to prevent mastitis	10	10	2	8	3	7
	Poultry EDP	Backyard poultry	--	--	Giriraja	--	Production of chicks	<b>Establishment of small hatchery</b>	2	2	-	2	-	2



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
								units in rural area: <ul style="list-style-type: none"> <li>• Production of day old chicks by artificial incubator</li> <li>• Cleaning, grading and storing of eggs</li> <li>• Day old chick management</li> </ul>						
	Rabbitry													
	Piggery													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													
	Oyster mushroom													

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
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others (specify)													

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds												
	Pulses												
		Irrigated	2019–20 and Summer	Black gram	LBG - 625	-	Variety introduction	<b>Demonstration of short duration Black gram variety Rashmi (LBG - 625) for paddy fallows;</b> • Seed treatment with <i>Rhizobium</i> and PSB (200 gm each for acre seeds)	2019 – 20 and Summer	M	H	L	Paddy

		Rainfed	Kharif and 2020 - 21	Red gram	BRG - 5		Variety introduction	<b>Demonstration of Redgram variety BRG-5.</b> <ul style="list-style-type: none"> <li>• Seed treatment with bio-fertilizers (<i>Rhizobium</i> &amp; PSB)</li> <li>• Spraying of Profenophos for pod borer</li> </ul>	Kharif and 2020 - 21	M	H	M	Paddy
Cereals													
		Irrigated	Kharif and 2020 - 21	Paddy	Aman Sona		<b>Resource conservation</b>	<b>Demonstration of DSR method for Paddy Cultivation</b> <ul style="list-style-type: none"> <li>• Seed cum fertilizer drill</li> <li>• Herbicides RDF based on Soil test</li> </ul>	Kharif and 2020 - 21	L	H	M	Maize
		Irrigated	Kharif and 2020 - 21	Paddy	IET-Sanna		<b>Integrated nutrient management</b>	<b>Integrated nutrient management in paddy:</b> <ul style="list-style-type: none"> <li>• Soil test based fertilizer application (RDF- FYM10t/ha, 100:50:50 kg NPK/ha, ZnSO<sub>4</sub>-20 kg/ha)</li> <li>• Bio inoculation of Effective Microbial Consortium (<i>Azospirillum</i>, PSB &amp; KSB each 1kg/ha seeds)</li> <li>• 1% 19:19:19 spray @ maximum tillering stage</li> <li>• 1% 13:0:45 @ grain filling stage</li> </ul>	Kharif and 2020 - 21	L	M	M	Paddy
		Irrigated	Kharif and 2020-21	Paddy	JGL-1798		Integrated Pest and Disease Management	<b>Major pest and disease management in Paddy</b> <ul style="list-style-type: none"> <li>• IPM-Cultural and mechanical methods</li> <li>• Release of <i>Trichogramma</i> @ 1.0 lakh/acre</li> <li>• Spraying of Azadirachtin @ 2.5 ml/l</li> </ul>	Kharif and 2020-21	M	H	M	Green gram

								<ul style="list-style-type: none"> <li>• Spraying of Tricyclozole @ 0.6gm//</li> <li>• Application of Chlorantraniliprole @ 4 kg / ac.</li> <li>• Spraying of Propiconazole 25 EC @ 1 ml//</li> </ul>					
	Millets												
		Rainfed	Kharif 2020 - 21	Ragi	KMR - 630		Variety introduction	<b>Demonstration of Ragi variety KMR-630</b> <ul style="list-style-type: none"> <li>• Soil test based fertilizer: RDF (FYM 3t/acre, 20:15:16 NPK/acre, Azospirillum 150gm /acre seeds)</li> </ul>	Kharif 2020 - 21	M	H	M	Maize
	Vegetables												
		Irrigated	Kharif and 2020 – 21	Tomato	JK-818		Integrated pest management	<b>Management of Fruit borer in Tomato :</b> <ul style="list-style-type: none"> <li>• Radish as inter crop in between 2 rows of tomato</li> <li>• Marigold as a trap crop (25:1)</li> <li>• Spraying of HaNPV (250 LE/ha)</li> </ul>	Kharif and 2020 – 21	L	M	H	Maize
		Irrigated	Summer and 2020-21	Coriander leaf	Arka Isha		Variety introduction	<b>Demonstration of high yielding, multi-cut Coriander variety 'Arka Isha':</b> <ul style="list-style-type: none"> <li>• Demonstration of Coriander high yielding, multi-cut variety – 'Arka Isha'</li> <li>• RDF (35:35:35 NPK kg/ha) + FYM 6 t/ha</li> <li>• IIHR vegetable special</li> <li>• Azadiractin 5000 PPM @</li> </ul>	Summer and 2020-21	M	M	L	Maize

								2.5 ml/lt					
	Flowers												
		Irrigated	Kharif and 2020-21	Tube rose	-	Prajwal	Hybrid introduction	<b>Demonstration of Tube Rose hybrid 'Prajwal':</b> <ul style="list-style-type: none"> <li>• Demonstration of Tube Rose hybrid– 'Prajwal'</li> <li>• RDF (100:50:50 NPK kg/ha) + FYM 30 t/ha</li> </ul>	Kharif and 2020-21	M	H	M	Paddy
	Ornamental												
	Fruit												
		Irrigated	Kharif and 2020-21	Banana	Putta bale		Integrated Disease Management	<b>Wilt and Sigatoka disease management in Banana :</b> <ul style="list-style-type: none"> <li>• Sucker treatment with Copper oxy chloride 3g + Streptocycline 0.3g/lit. of water for 45 minutes before planting</li> <li>• Application of <i>Trichoderma</i> and <i>Pseudomonas</i> @ 50 gm/ plant</li> <li>• Drenching with Copper oxy chloride 3g + Streptocycline 0.3 g/l</li> <li>• Spraying of Propiconazole @ 1 ml/lt</li> </ul>	Kharif and 2020-21	M	H	M	Maize
	Spices and condiments												
		Irrigated	Kharif and 2020-21	Black Pepper	Paniyur-1		Integrated crop management	<b>Integrated crop management in black pepper :</b> <ul style="list-style-type: none"> <li>• Soil test based fertilizer application</li> <li>• 'Pepper special' – micro nutrient mixture spray with 5 gm/l. (1<sup>st</sup> spray</li> </ul>	Kharif and 2020-21	L	H	H	Black pepper

								during spike initiation with onset of monsoon, 2 <sup>nd</sup> spray 2 months after first spray) <ul style="list-style-type: none"> <li>• Metalaxyl MZ 8% and Bordeaux mixture (1%) spray</li> <li>• Drenching of Bordeaux mixtures (1%) and Arka microbial consortia 20 gm/l (June &amp; September) for leaf rot and quick wilt</li> </ul>					
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation												
		Irrigated	<i>Kharif and 2020-21</i>	Arecanut	Sagar Local		Pest Management	Root grub in arecanut : <ul style="list-style-type: none"> <li>• Soil application of neem cake @ 2 kg/palm + <i>Metarhizium anisopliae</i> @ 20 gm/palm during the month of June-July</li> <li>• Drenching of Imidacloprid 3L solution/palm @ 0.5 ml/L and also for entire garden during Aug-Sep &amp; Oct-Nov</li> </ul>	<i>Kharif and 2020-21</i>	M	H	M	Arecanut
	Fibre												

### 5.B. Results of FLDs : 2019

#### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Pulses	Demonstration of Black gram variety Rashmi (LBG - 625)	Rashmi (LBG - 625)		Irrigated	10	4.0	8.45	6.54	7.16	6.25	14.56	42960	26230	2.56	37500	20880	2.25

### 5.B. Results of FLDs : 2020

#### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Pulses	Demonstration of Black gram variety Rashmi (LBG - 625)	Rashmi (LBG - 625)	-	Irrigated	10	4.0	In progress										

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							H	L	A			Gross Return	Net Return	BC R	Gross Return	Net Return	BC R
	Demonstration of Red gram variety BRG-5	BRG - 5	-	Rainfed	10	4.0	16.28	13.60	15.06	15.43	21.20	93576	64680	3.24	78898	52509	3.0
Cereals																	
	Demonstration of DSR method for Paddy Cultivation	Aman sona		Irrigated	10	4.0	43.12	40.12	42.03	46.83	-	70750	44117	2.65	77880	32916	1.73
	Integrated nutrient management in paddy	IET-Sanna	-	Irrigated	5	2.0	54	38	46	46.8	-	88880	53960	2.54	85200	49620	2.39
	Major pest and disease management in paddy	JGL-1798	-	Irrigated	8	3.2	57.5	50	53.75	49.00	11.61	103906	70919	3.15	93100	57650	2.63
Millets																	
	Demonstration of Ragi variety KMR-630	KMR - 630		Rainfed	10	4.0	35.50	26.32	28.72	23.95	19.92	67591	39773	2.42	56489	31048	2.21
Vegetables																	
	Value addition in drumstick leaves (Chakli-10 kg./ month)	PKM-1	-	Semi irrigated	5	-	-	-	-	-	-	3950	950	1.32	-	-	-
Flowers																	



Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							H	L	A			Gross Return	Net Return	BC R	Gross Return	Net Return	BC R
Ornamental																	
Fruit																	
Spices and condiments																	
Commercial																	
Fibre crops like cotton																	
Medicinal and aromatic																	
Fodder																	
Plantation																	
Areca nut	Decomposition of Areca husk for value added compost	--	--	Irrigated	10	0.1	In progress										

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of Check (Rs./ha)		
							Demo					Gross Return	Net Return	BC R	Gross Return	Net Return	BC R
							H	L	A								
Areca nut	Management of Root grub in areca nut	Sagara local	--	Irrigated	5	2.0	12.56	11.16	11.86	9.70	22.78	452656	335866	3.87	368752	259922	3.38
Fibre																	
Others (pl. specify)																	

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

Demonstration of Black gram variety Rashmi (LBG - 625)		
PARAMETER WITH UNIT	DEMO	CHECK
Duration of crop (days)	71.80	78.5
Yellow disease (%)	11.64	20.64
Pod borer (%)	10.25	19.50

Demonstration of DSR method for Paddy Cultivation		
PARAMETER WITH UNIT	DEMO	CHECK
Plant height (Cm)	98	104
Duration of crop (days)	126	139
Neck blast (%)	9.12	16.25

Demonstration of Ragi variety KMR-630		
PARAMETER WITH UNIT	DEMO	CHECK
Blight (%)	8.02	17.23
Duration of crop (days)	105	123

Demonstration of Red gram variety BRG-5		
PARAMETER WITH UNIT	DEMO	CHECK
Pod length(cm)	6.80	5.20
Duration of crop(days)	178	164

Demonstration of Tube Rose hybrid 'Prajwal'		
PARAMETER WITH UNIT	DEMO	CHECK
No.of flowers / spike	49.3	37.80
100 Flowers weight (gm)	91.5	71.75
Spike length (cms)	105.83	83.16

#### 5. B2. Feedback on technologies demonstrated

Name of technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Major pest and disease management in paddy	<ul style="list-style-type: none"> <li>IPM-Cultural and mechanical methods</li> <li>Release of <i>Trichogramma</i> @ 1.0 lakh/acre</li> <li>Spraying of Azadirachtin @ 2.5 ml/l</li> <li>Spraying of Tricyclozole @ 0.6gm/l</li> <li>Application of Chlorantraniliprole @ 4 kg / ac.</li> <li>Spraying of Propiconazole 25 EC @ 1 ml/l</li> </ul> <p><b>Constraint :</b> Availability of <i>Trichogramma</i> is the constraint. Not easily available.</p>	Farmers getting higher yield, more gross return and net return compared to the farmers' practice. Plant products and bio-pesticides are not available in the local markets.
Management of Root grub in areca nut	<ul style="list-style-type: none"> <li>Soil application of neem cake @ 2 kg/palm + <i>Metarhizium anisopliae</i> @ 20 gm/palm during the month of June-July</li> <li>Drenching of Imidacloprid 3L solution/palm @ 0.5 ml/L and also for entire garden during Aug-Sep &amp; Oct-</li> </ul>	<i>Metarhizium anisopliae</i> very effective in controlling of root grubs in arecanut and eco-friendly. <b>Constraints :</b> <i>Metarhizium</i>

Name of technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
	Nov.  Constraints of technology : <i>Metarhizium anisopliea</i> not easily available in local market.	<i>anisopliea</i> not easily available in local market.
Management of Fruit borer in Tomato	<ul style="list-style-type: none"> <li>• Radish as inter crop in between 2 rows of tomato</li> <li>• Marigold as a trap crop (25:1)</li> <li>• Spraying of HaNPV (250 LE/ha)</li> </ul> Constraint : HaNPV is not available in the local market.	Bio-pesticides are eco-friendly and safer to human beings.  Constraint : HaNPV is not available in and around Shivamogga

**5.B.3. Livestock and related enterprises**

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)			% Increase	*Economics of demonstration Rs./unit			*Economics of check (Rs./unit)			
						Demo		Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR	
						H	L	A								
Dairy	Integrated management of reproductive disorders	HF and Jersey	10	10	Conceive %	68	54	62	21	41	In progress –calculation after calving					
					No.of AI per conceive	03	01	01	05	-						
					Fertility %	54	45	49	18	63.26						
	California mastitis test to detect mastitis	HF and Jersey	10	10	Subclinical mastitis incidence %	26	19	22	06	16 (Reduction in demo)	In progress –calculation after completion of peak lactation period					
					Milk yield reduction (liters)	1.42	0.96	1.22	2.88	-	In progress –calculation after calving					
Poultry-EDP	Establishment of small hatchery units in rural area	Native	02	02	In progress											
Rabbitry																
Pigerry																
Sheep and goat																
Duckery																
Others (pl.specify)																

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

<b>Data on other parameters in relation to technology demonstrated</b>		
<b>Parameter with unit</b>	<b>Demo</b>	<b>Check if any</b>
No. of AI per conceive	02	05
Conceive %	62	21
Fertility %	49	18
Subclinical mastitis incidence %	22	06

#### **5. B4. Feedback on livestock technologies demonstrated**

<b>Name of livestock technology demonstrated</b>	<b>Useful characters as well as constraints of technology</b>	<b>Socio-economic as well as administrative constraints for its adoption</b>
Integrated management of reproductive disorders	Integrated approach is best approach to overcome infertility problem in dairy cows by supplementing minerals, synchronization of heat by hormones, feeding balanced ration. De-worming, control of ecto- parasites, balanced ration and scientific management. 2-3 years infertile animals were conceived. This approach is costlier for small farmers is a constraint	Identification of mid heat and artificial insemination at exact mid heat is a constraint
California mastitis test to detect mastitis	With this test early diagnosis of subclinical mastitis is possible and infusion of intramammary agents at the early stage will prevent mastitis in high yielding animals, treatment cost could be reduced & helps in clean milk production	Availability of kit and awareness about technology is a constraint

**5.B.5. Fisheries : NIL**

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m <sup>2</sup> )	Name of the parameter with unit	Yield (q/ha)			% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)			
						Demo				Check if any	Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Common carps																
Mussels																
Ornamental fishes																
Others (pl.specify)																

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

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

**5. B6. Feedback on fisheries technologies demonstrated : NIL**

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

**5.B.7. Other enterprises : NIL**

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

Oyster mushroom																			
Button mushroom																			
Vermicompost																			
Sericulture																			
Apiculture																			
Others (pl.specify)																			

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

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

5. B8. Feedback on enterprises demonstrated : NIL

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

5.B.9. Farm implements and machinery : NIL

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



Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.) : NIL

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

5. B10. Feedback on farm implements demonstrated: NIL

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

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

Sl. No.	Activity	No. of activities organised	Number of participants	Remarks
1.	Field days	6	158	
2.	Farmers Training	12	307	
3.	Media coverage	10	-	
4.	Training for extension functionaries	-	-	-
5.	Others (Please specify)			
a.	Field visits	24	84	-
b.	Group meeting	4	42	-
c.	Farmers visit to KVK	1	1	-

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS (2020)**

**Demonstration details on crop hybrids**

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)			% Increase	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)			
					Demo				Check	Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
					H	L	A								
<b>Cereals</b>															
Bajra															
Maize															
Paddy															
Sorghum															
Wheat															
Others (pl.specify)															
<b>Total</b>															
<b>Oilseeds</b>															
Castor															
Mustard															
Safflower															
Sesame															
Sunflower															
Groundnut															
Soybean															
Others (pl.specify)															
<b>Total</b>															
<b>Pulses</b>															
Greengram															
Blackgram															
Bengalgram															
Redgram															
Others (pl.specify)															

<b>Total</b>															
<b>Vegetable crops</b>															
Bottle gourd															
Capsicum															
Others (pl.specify)															
<b>Total</b>															
Cucumber															
Tomato															
Brinjal															
Okra															
Onion															
Potato															
Field bean															
Others (pl.specify)															
<b>Total</b>															
<b>Commercial crops</b>															
Sugarcane															
Coconut															
Others (pl.specify)															
<b>Total</b>															
<b>Fodder crops</b>															
Maize (Fodder)															
Sorghum (Fodder)															
Others (pl.specify)															
Tube rose	Demonstration of Tube Rose hybrid 'Prajwal'	Prajwal	5	0.5	In progress										
<b>Total</b>			5	0.5											

Feedback on crop hybrids demonstrated : NIL

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

**PART VII. TRAINING(2020)**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Crop Production</b>										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	1	34	0	34	22	0	22	56	-	56
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	2	65	-	65	20	-	20	65	20	95
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Organic farming	3	86	6	92	20		20	106	6	112
<b>Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crop	2	9	25	34	3	7	10	12	32	44
Off-season vegetables	1	14	6	20	3	7	10	20	10	30
Nursery raising	1	10	1	11	4	1	5	14	2	16

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
Terrace gardening for nutrient securities	1	10	13	23	6	4	10	16	17	33
<b>b) Fruits</b>										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	19			10			19	10	29
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
Cashew apple value addition	1	7	2	9	3	3	6	10	5	15
<b>c) Ornamental Plants</b>										
Nursery Management	1	16	5	21	3	1	4	19	6	25
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
<b>d) Plantation crops</b>										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
<b>e) Tuber crops</b>										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
<b>f) Spices</b>										
Production and Management technology										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Processing and value addition	1	1	2	3	16	2	18	17	4	21
Others (pl.specify)										
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
<b>Soil Health and Fertility Management</b>										
Soil fertility management	1	25	0	25	16	0	16	41	-	41
Integrated water management										
Integrated nutrient management	2	4	16	20	31	3	33	35	19	54
Production and use of organic inputs										
Management of Problematic soils	1		20			5			25	25
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
<b>Livestock Production and Management</b>										
Dairy Management	2	35	4	39	18	3	21	53	7	60
Poultry Management	2	34	15	59	21	8	24	65	23	88
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	1	18	0	18	4	0	4	22	0	22
Production of quality animal products										
Others (pl.specify)										
Improved goat and sheep rearing	3	77	23	100	33	16	59	110	39	149
<b>Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	1	10	13	23	6	4	10	16	17	33
Design and development of low/minimum cost										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	4	2	29	31	8	7	15	15	31	46
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care	1	8	12	10	4	11	15	22	13	35
Others (pl.specify)										
Nutrigarden for nutritional security	1	3	12	15	0	7	7	3	19	22
Nutritious food, precautionary measures and psychological stress management during COVID-19	1	5	10	15	11	8	19	16	18	34
Importance of nutrigarden for immunity boosting foods during COVID-19	1	4	23	27	3	18	21	7	41	48
<b>Agril. Engineering</b>										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Coconut palm climbing through machine	1	4	0	4	0	0	0	4	0	4
<b>Plant Protection</b>										
Integrated Pest Management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Disease Management	1	12	0	12	6	0	6	18	0	18
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
<b>Fisheries</b>										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	1	15	0	15	5	0	5	15	5	20
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
<b>Production of Inputs at site</b>										
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										



Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Mushroom production	1	21	19	40	4	3	7	25	22	47
Apiculture	1	6	0	6	2	0	2	8	0	8
Others (pl.specify)										
<b>CapacityBuilding and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs/FPO	1	2	24	26	2	11	13	4	35	39
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Use of mobile app for crop survey	1	35	10	45	24	3	27	59	13	72
Atma Nirbhar Krishi	1	25	4	29	11	2	13	36	6	42
Gandhian thoughts on cleanliness and simplicity	1	12	23	35	21	19	40	33	42	75
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>45</b>	<b>628</b>	<b>317</b>	<b>906</b>	<b>340</b>	<b>153</b>	<b>482</b>	<b>961</b>	<b>487</b>	<b>1458</b>

#### 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
<b>Crop Production</b>										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
<b>Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high volume crop	1	24	4	28	4	0	4	28	4	32
Off-season vegetables	1	10	4	14	0	0	0	14	0	14
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
Integrated crop management in tuberose	1	6	1	7	8	0	8	14	1	15
<b>b) Fruits</b>										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	3	22	25	5	1	6	8	23	31
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
<b>c) Ornamental Plants</b>										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
<b>d) Plantation crops</b>										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production and Management technology	1	27	0	27	2	0	2	29	0	29
Processing and value addition	1	5	67	72	2	8	10	7	75	82
Others (pl.specify)										
<b>e) Tuber crops</b>										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
<b>f) Spices</b>										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
<b>Soil Health and Fertility Management</b>										
Soil fertility management	1	12	5	17	5	0	5	17	5	22
Integrated water management	2	19	17	36	6	7	13	25	24	49
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils	1	18	0	18	17	0	17	35	0	35
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	1	17	2	19	9	3	12	26	5	31
Others (pl.specify)										
<b>Livestock Production and Management</b>										
Dairy Management	1	20	2	22	17	3	19	37	5	42
Poultry Management	1	8	42	50	0	0	0	50	0	50
Piggery Management										
Rabbit Management										
Animal Nutrition Management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Animal Disease Management										
Feed and Fodder technology	1	2	38	40	1	4	5	3	42	45
Production of quality animal products										
Others (pl.specify)										
Silage preparation	1	17	2	19	3	0	3	20	2	22
<b>Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	3	5	58	63	7	21	28	12	79	91
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care	1	0	4	4	7	19	26	7	23	30
Others (pl.specify)										
Nutri-garden	2	0	38	38	0	24	24	0	62	62
Importance of nutritional value on human health	1	8	0	8	10	2	12	18	2	20
<b>Agril. Engineering</b>										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Post Harvest Technology										
Others (pl.specify)										
<b>Plant Protection</b>										
Integrated Pest Management	1	10	1	11	4	0	4	14	1	15
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
<b>Fisheries</b>										
Integrated fish farming	1	40	4	44	4	2	6	44	6	50
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
<b>Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	2	63	8	71	24	5	29	87	13	100
Organic manures production										
Production of fry and fingerlings										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production	2	26	51	77	0	15	15	26	66	92
Apiculture										
Others (pl.specify)										
<b>Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Use of mobile app for crop survey by farmers	6	62	5	67	25	14	39	87	19	106
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>34</b>	<b>402</b>	<b>375</b>	<b>777</b>	<b>160</b>	<b>128</b>	<b>287</b>	<b>608</b>	<b>457</b>	<b>1065</b>

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										

Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1	1	5	6	0	3	3	1	8	9
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing	1	19	1	20	2	0	2	21	1	22
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
<b>TOTAL</b>	<b>2</b>	<b>20</b>	<b>6</b>	<b>26</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>22</b>	<b>9</b>	<b>31</b>

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										

Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
<b>TOTAL</b>										

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

Area of training	No. of Courses	No. of Participants		
		General	SC/ST	Grand Total



	Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops									
Integrated Pest Management									
Integrated Nutrient management									
Rejuvenation of old orchards									
Protected cultivation technology									
Production and use of organic inputs									
Care and maintenance of farm machinery and implements									
Gender mainstreaming through SHGs									
Formation and Management of SHGs									
Women and Child care									
Low cost and nutrient efficient diet designing									
Group Dynamics and farmers organization									
Information networking among farmers									
Capacity building for ICT application									
Management in farm animals									
Livestock feed and fodder production									
Household food security									
Any other (pl.specify)									
<b>Total</b>									

**7.F. Training programmes for Extension Personnel 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
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	1	17	25	42	4	14	18	21	39	60
Low cost and nutrient efficient diet designing										

Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
<b>Total</b>	<b>1</b>	<b>17</b>	<b>25</b>	<b>42</b>	<b>4</b>	<b>14</b>	<b>18</b>	<b>21</b>	<b>39</b>	<b>60</b>	

### 7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Increasing production and productivity of crops											
1.b.	Commercial production of vegetables											
<b>2</b>	<b>Production and value addition</b>											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>16</b>	<b>2</b>	<b>18</b>	<b>17</b>	<b>4</b>	<b>21</b>	
<b>3.</b>	<b>Soil health and fertility management</b>											
<b>4</b>	<b>Production of Inputs at site</b>											
<b>5</b>	<b>Methods of protective cultivation</b>											
<b>6</b>	<b>Others (pl.specify)</b>											
<b>7</b>	<b>Post harvest technology and value addition</b>											
7.a.	Processing and value addition											
7.b.	Others (pl.specify)											
<b>8</b>	<b>Farm machinery</b>											
8.a.	Farm machinery, tools and implements											
8.b.	Others (pl.specify)											
<b>9.</b>	<b>Livestock and fisheries</b>											
<b>10</b>	<b>Livestock production and management</b>											
10.a.	Animal Nutrition Management											
10.b.	Animal Disease Management											
10.c.	Fisheries Nutrition											

10.d	Fisheries Management										
10.e.	Others (pl.specify)										
<b>11.</b>	<b>Home Science</b>										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
	Organic farming for sustainable yield in paddy	2	78	4	82	12	0	12	90	4	94
<b>12</b>	<b>Agricultural Extension</b>										
12.a.	CapacityBuilding and Group Dynamics										
12.b.	Others (pl.specify)										
	Nursery techniques in Horticulture crops - 15 days short term certificate course	1	16	5	21	3	1	4	19	6	25
	<b>Total</b>	<b>4</b>	<b>95</b>	<b>11</b>	<b>106</b>	<b>31</b>	<b>3</b>	<b>34</b>	<b>126</b>	<b>14</b>	<b>140</b>

**Details of sponsoring agencies involved**

1. Government of India
2. Government of Karnataka

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

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Commercial floriculture											
1.b.	Commercial fruit production											
1.c.	Commercial vegetable production											
1.d.	Integrated crop management											
1.e.	Organic farming											
1.f.	Others (pl.specify)											
<b>2</b>	<b>Post harvest technology and value addition</b>											
2.a.	Value addition	2	2	7	9	16	5	21	18	12	30	
2.b.	Others (pl.specify)											
<b>3.</b>	<b>Livestock and fisheries</b>											
3.a.	Dairy farming											
3.b.	Composite fish culture											

3.c.	Sheep and goat rearing	1	19	1	20	2	0	2	21	1	22
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
<b>4.</b>	<b>Income generation activities</b>										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation	1	21	19	40	4	3	7	25	22	47
4.h.	Nursery, grafting etc.	1	76	5	21	3	1	4	19	6	25
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
<b>5</b>	<b>Agricultural Extension</b>										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	<b>Grand Total</b>	<b>4</b>	<b>99</b>	<b>31</b>	<b>70</b>	<b>23</b>	<b>9</b>	<b>32</b>	<b>62</b>	<b>40</b>	<b>102</b>

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

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															
2.															

## PART VIII – EXTENSION ACTIVITIES (2020)

### 8.1. Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	11	157	64	221	70	57	127	-	-	-
Kisan Mela	-	-	-	-	-	-	-	-	-	-
KisanGhoshi	-	-	-	-	-	-	-	-	-	-
Exhibition	5	561	410	971	746	292	1038	32	16	48
Film Show	2	23	35	58	4	6	10	-	-	-
Method Demonstrations	31	232	99	331	77	81	158	12	3	15
Farmers Seminar										
Workshop										
Group meetings	40	236	58	294	70	27	97	5	.	5
Lectures delivered as resource persons	15	393	191	584	164	151	315	20	10	30
Newspaper coverage	12	-	-	-	-	-	-	-	-	-
Radio talks	45	-	-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	-	-	-	-	-	-	-	-	-	-
Advisory Services	284	1513	432	1946	240	192	432	24	-	24
Scientific visit to farmers field	112	260	45	305	39	2	41	5	-	5
Farmers visit to KVK	235	547	21	568	160	4	164	2	8	10
Diagnostic visits	5	25	-	25	8	2	10	19	-	19
Exposure visits	7	86	36	122	15	6	21	39	-	39
Ex-trainees Sammelan	3	20	1	21	4	1	5	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)										

Any Other (Specify)										
08-03-2020: International women's Day-2020	1	2	40	42	-	2	2	6	1	7
17-09-2020 :Celebration of Poshan Maaha	1	4	3	7	-	-	-	21	39	60
01-10-2020:151th Birth Anniversary of Mahathma Gandhi	1	9	14	21	1	2	3	-	-	-
02-10-2020:Gandhi Jayanthi	1	9	6	15	3	2	5	-	-	-
15-10-2020:Mahila Kisan diwas-2020	1	-	28	28	1	16	17	-	-	-
16-10-2020:World Food Day-2020	1	20	6	26	3	-	3	-	-	-
04-12-2020:Women in Agriculture Day-2020	1	-	30	30	-	12	12	1	1	2
05-12-2020:World Soil Day-2020	1	30	10	40	15	5	20	2	3	5
<b>TOTAL</b>	<b>815</b>	<b>4127</b>	<b>1529</b>	<b>5655</b>	<b>1620</b>	<b>860</b>	<b>2480</b>	<b>188</b>	<b>81</b>	<b>269</b>

### 8.2 Special Extension Programmes : NIL

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

**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2020)****9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)					
Oilseeds	Ground nut	GPBD-4	7.70	56980.00	26
		G-2-52	7.60	56240.00	
Pulses	Green gram	KKM – 3	63	6079.00	50
		DGGV – 2	39	3763.00	
	Red gram		0.045	2925.00	9
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Finger millet	Ragi	GPU-28	1.07	4282.00	14
<b>Total</b>					

**9.B. Production of hybrid seeds by the KVKs**

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

**9.C. Production of planting material by the KVKs**

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings	Drumstick	PKM-1	2063	25959.00	28
Fruits	Papaya	Taiwan Red lady	12291	214395.00	42
	Lime	Local	51	890.00	05
Ornamental plants					
Medicinal and Aromatic					
Plantation	Coconut	Arasikere tall	1788	90400.00	64
	Arecanut	Maidan local	167	4175.00	04
Spices	Curry leaf	Suhasini	26	373.00	06
	Pepper	Panniyur -1	02	20.00	02
	Cinnamon	Local	05	75.00	03
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					

<b>Total</b>					
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**9.D. Production of hybrid planting materials by the KVKs : NIL**

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

**9.C. Production of Bio-Products : NIL**

	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
<b>Bio Products</b>				
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
<b>Total</b>				

**9.D. Production of livestock : NIL**

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



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

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

(A) KVK Newsletter : NIL

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

(B) Literature developed/published

Item	Number
Research papers- International	-
Research papers- National	2
Technical reports	6
Technical bulletins	3
Popular articles - English	-
Popular articles – Local language	2
Extension literature	-
Others (Pl. specify)	
<b>TOTAL</b>	<b>13</b>

### 10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1.	CD / DVD	IFS, Sheep rearing, organic farming	Developed one CDs of progressive farmer
2.	Mobile Apps	-	-
3.	Social media groups with KVK as Admin	Bee keeping, Horticultural nursery techniques, coconut palm climbing	Created the different WhatsApp groups under ARYA
4.	Facebook account name	KVK-Shivamogga	
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).**

#### (1) Integrated Farming System - Escalates the revenue

##### Background

**Mr. Durgappa Angadi** is an enthusiastic progressive and innovative farmer from Sahasravalli village in Shikaripura taluk of Shivamogga District, Karnataka State. He owns 1.95 hectares of land cultivating different crops viz., coccinia, maize, arecanut, rearing cattle and producing vermicompost. He attended a training organized by KVK during 2015 on Integrated Farming System.

##### KVK Intervention

After the KVK intervention, he started growing different intercrops in younger arecanut garden viz., banana, fodder crops and vegetable crops like drumstick, yard long bean, cluster bean, chilli and bitter gourd as main crops. He planted different forest species like teak, silver oak and melia dubia as border crops. Timely guidance by KVK scientists, he has produced and used the organic manures to enrich the soil fertility, the bio-pesticides and botanicals for management of

pest and diseases in different crops. He started subsidiary enterprises like bee keeping, fishery, backyard poultry and dairy units as income generating activities. By practicing IFS technology, he harvested the bumper yield in banana, vegetable crops and getting additional income from subsidiary enterprises. KVK is utilizing his service in IFS and organic farming related training programmes as resource person.

The economics of cultivation is presented in table

**Income realized from IFS unit**

Sl. No.	IFS components	Area / Nos.	Net profit (Rs. In lakhs)
<b>I Before KVK intervention</b>			
1.	Maize	1.4 ha	0.87
2.	Arecanut	0.4 ha	1.50
3.	Coccinia	0.15 ha	1.40
4.	Cattle	1 H.F.	0.20
5.	Vermicompost	2 tonnes	0.07
<b>TOTAL</b>			<b>Rs. 4.04</b>
<b>II After KVK intervention</b>			
1.	Maize	0.4 ha	0.25
2.	Arecanut	0.4 ha	1.60
3.	Coccinia	0.15 ha	1.90
4.	Yard long bean	0.15 ha	0.65
5.	Ginger	0.4 ha	0.60
6.	Inter crop in younger arecanut with banana	0.4 ha	1.36
7.	Cattles	1 H.F. + 1 buffalo	0.33
8.	Honey bee colonies	8 unit	0.16
9.	Poultry	40 Nos.	0.11
10.	Fishery	15x15 mtr.	0.10
11.	Vermicompost	3 tonnes	0.10
<b>TOTAL</b>			<b>Rs. 7.16</b>

**Horizontal spread:** He disseminated the technologies and ICM practices to his neighbor farmers and surrounding villages. Totally 1520 farmers are benefited from the IFS technologies.



	
Backyard Poultry	Fish rearing in farm pond
	
Chilli, turmeric and ginger intercropping in younger areca garden	CoFS-29 fodder crop and banana as intercropped in younger areca garden

## (2) Integrated Farming System – A Sustainable Life

**Mr. Mathews** is a progressive, awardee and innovative farmer from Baruve village in Hosanagara taluk of Shivamogga district of Karnataka state. He owns 0.60 hectare of land cultivating different crops like Elephant foot yam, tapioca, arecanut, coconut, pepper, rubber, banana, forest species, sheep rearing, goat rearing, rabbit rearing, backyard poultry, fish rearing in farm pond and producing vermicompost.

KVK intervention

After KVK intervention, he started growing intercropped in younger arecanut garden mainly banana and elephant foot yam. He planted different fruit crops like mango, sapota, jack fruit, guava and also planted different forest species like teak and neem as border crops. He started subsidiary enterprises like back yard poultry, bee keeping, fishery, sheep rearing and goat rearing as income generating activities and also producing vermicompost. He harvested bumper yield in banana, elephant foot yam and getting additional income from subsidiary enterprises.

### Income from IFS unit

Sl. No.	Components	Areas/Nos.	Net profit (Rs. In lakhs)
I.	Before KVK intervention		
1.	Areca nut	0.40 ha	
2.	Rubber	0.20 ha	0.40
3.	Coconut	15	0.08
4.	Goat	4	0.20
5.	Vermicompost	1 unit	0.07
	<b>Total</b>		<b>0.75</b>
	<b>After KVK intervention</b>		
1.	Intercrop in younger arecanut with banana	0.20 ha	0.80

2.	Intercrop in younger arecanut with elephant foot yam	0.20 ha	0.60
3.	Rubber	0.20 ha	0.40
4.	Coconut	15	0.08
5.	Goat	8	0.40
6.	Vermicompost	2 unit	0.14
7.	Sheep	1	0.06
8.	Poultry	50	0.10
9.	Fish	1 (10X 10 mt.)	0.10
10.	Rabbit	30	0.06
11.	Honey bee	2 box	0.04
<b>Total</b>			<b>2.78</b>

**Horizontal spread:** He disseminated the technologies and ICM practices to his neighbour framers and surrounding villages. Totally 215 farmers are benefited from this IFS technologies.

### 3. Success Story of KVK Nursery

During 2008-09 National Horticulture Mission (NHM) has sanctioned a project on Model Horticulture Nursery to KVK, Shivamogga. In this project different propagating structures viz., mist chamber, poly house and shed nets were constructed. The main objective of the project is to produce elite horticultural planting material for the needy farmers of the district. KVK, Shivamogga has taken initiative in production of different horticultural plants viz., mango, sapota, papaya, drumstick, vegetable seedlings, curry leaf and flowering plants. Among these different seedlings / grafts production, papaya and drumstick seedlings were major part because of demand by the farmers.

For successful horticulture crop production, supply of elite planting material and training to growers are very essential. In this regard, from 2010-11 to 2020-21 KVK conducted 30 training programmes on topics related to "Improved production technologies of papaya and drumstick". During the training programmes about 900 farmers/farm women / rural youth were trained. By realizing the immense scope and potentiality of growing papaya and drumstick as a sole / intercrop farmers purchased quality planting material from KVK, Shivamogga. Totally, 47746 drumstick (PKM-1 & Bhagya) seedlings of worth Rs. 536959/- were sold to more than 185 farmers by covering an area of about 134 ha. as sole crop or intercrop in younger arecanut gardens. Similarly, 88733 papaya seedlings (Arka Surya and Taiwan-786) of worth Rs11,74,590/- were sold to 195 farmers by covering in area of about 687 ha as intercrop in younger areanut gardens. By growing papaya and drumstick as intercrops farmers have obtained Rs. 1,55,000/- and Rs. 1,45,000/- per ha respectively as a additional income in arecanut apart from protecting younger arecanut plants from scorching sun, reducing weed menace and creating better micro climate for areca growth. Due to concerted efforts of KVK intercropping of papaya and drumstick in younger areca gardens has spread to more than 560 ha in the district with an additional income of Rs. 8.5 to 10.0 crores.

### 2. Upliftment of farm families through Integrated Farming System Demonstration project by KVK.

**Introduction :** Historically, India's crop production scenario has been dominated by food grains more especially cereals. The country has registered a declining trend in crop and livestock production and per head food production, while maintaining increase in cereal productivity over the past decade. Sustainable development in agriculture must include integrated farming systems with efficient soil, water, crop and pest management practices, which are environmentally sound, economically viable and socially acceptable. The future agricultural system should reorient from the single commodity system to food diversification approach for sustaining food production and income generation. Integrating crops and cropping systems, horticulture, livestock, sericulture, agro-forestry, aquaculture, etc., therefore, assume greater importance for conserving and recycling of farm resources to enhance farm productivity, which will reduce environmental degradation and maintain agricultural sustainability by providing nutritional and livelihood security. Realizing the importance of integrated farming system, Government of Karnataka under RKVY project supported financial assistance for implementing the IFSD project through Agricultural Universities. University of Agricultural Sciences, Bangalore has initiated integrated farming system through 12 KVKs, 3 EEUs and FTI, GKVK with the involvement of Scientists / Teachers working at ZARS / ARS and Colleges coming under different agro-climatic zones. KVK, Shivamogga is one of the implementing centre under UAS, Bangalore.

**Need for IFS :** A large gap exist between potential, on-farm and farmers yields of post crop varieties developed during the green revolution. FARMSCAPE (Farmers, Advisors, Researchers, Monitoring, Communication and Performance Evaluation) of programme of participatory transfer of technology with the farming community could be successful in translating technological development on the farmers' fields. Improving the productivity of the whole farm is of larger concern today than ever before for the reason of Total Factor Productivity (TFP). Although, the overall production of food grains and milk are the highest, the per hectare productivity is low. Thus, augmenting production through efficient management of natural resources, human resources through IFS approach would meet the present requirement of livelihood security and farm profitability.

#### **Objectives**

- To attain sustainable improvement in productivity and income by adopting IFS model.
- To ensure livelihood security of farm families and landless labourers in the project area.

**Location :** The programme was implemented in Konagavalli Gramapanchayath of Shivamogga Taluk. Total of 10 villages (1515 farm families) comprising 1058 agriculturists and 457 landless agricultural laborers were covered under the project.

**Duration :** The project was initiated in the year 2011-12. The total duration of project is three years.

**Activities carried out under IFSD project.**

- Orientation about IFSD schedule to the data collecting volunteers.
- Collected bench mark information of IFSD villages (1515 families)
- Orientation on the PRA techniques to all the implementing staff of the project.
- Analysis of the collected data through outsourcing.
- Capacity building of farmers / farm women through various trainings, demonstrations and exposure visits.
- Distribution of critical inputs to the farmers as per their needs.
- Conduct of field days before harvest of the demonstration plot.
- Selection of model stake holders for showcasing / impact analysis
- Formation and strengthening of the commodity based association / agro service centres.

### **Critical inputs supplied**

#### **I. Crop Component**

- 1) Cereals – Paddy, Ragi, Maize
- 2) Pulses – Black gram, Redgram, Green gram
- 3) Oil seeds – Groundnut

#### **II. Horticulture component**

- 1) Planting materials : Drumstick, papaya, mango, Coconut, sapota, curry leaf, lime.

#### **III. Animal component**

- 1) Sheep – (Bandur cross breed),
- 2) Poultry birds – Giriraja, Swarnadhara
- 3) Mineral mixture, feed additives and deworming agents

#### **IV. Other components**

- 1) Micro nutrients – Zinc sulphate, gypsum, Boron
- 2) Bio-Fertilizers
- 3) Foliar sprays
- 4) Mobile vermicompost unit with earthworms
- 5) Plant protection chemicals
- 6) Small Agricultural equipments

#### **V. Initiation of Commodity Based Associations (CBAs) / Agro Service Centres (ASCs)**

In order to provide inputs at desired level and also interlink the sale of produce two CBAs/ ASCs were started in two villages of the project area. Each CBA is having 15 members and the members contributed Rs.1.00 lakh. Seed money of Rs. 1.00 is contributed from the project to each of the CBA.

#### **Impact of the IFSD project**

- 1) Seed replacement with improved varieties of crops
- 2) Increase in yield of crops (8-10 %) due to use of supplied critical inputs
- 3) Improvement in soil health by use of micronutrients, bio-fertilizers and organic fertilizers (Vermicompost)
- 4) Improvement in long term assets of farming communities through Horticulture plant seedlings.
- 5) Additional income to the landless labourers and small farmers through rearing of sheep and poultry birds.
- 6) Increase in knowledge, skill development through capacity building programmes and exposure visits.

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

Problems identified	:	Wastage of areca husk (1.75 t/ha) through improper utilization. Huge quantity of Areca husk thrown on road sides, slow degradation and it is burnt. It creates water and air pollution
Arecanut Area	:	52000 ha
Innovation	:	Decomposition of areca husk by using compost culture ( <i>Pleurotus sps.</i> and <i>Phenerochaete chrysosporium</i> )
Source	:	UAHS, Shivamogga
Nature of activities	:	3 OFT, 1 FLD, 15 trainings, 25 method demonstrations, 15 field visits, 35 Group discussions, 8 media coverage
Inputs	:	Decomposing culture (Microbial consortia) (3 kg/t of areca husk)
Output	:	(1) Areca husk decomposed in 170 days, usually it takes more than 2 years because of high lignin content (2) Produced 1200 Kgs. of compost/ha, it is worth of Rs.5800/- (3) Contains more potassium (1.85) compared to other composts
Horizontal spread	:	7250 Kgs. of decomposing culture was used by 465 areca farmers for 1450 ha. and produced 1850 tonns of areca husk compost.

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK	Scientific Rationale
1.	Curry leaf	Application of 200 ml butter milk to curry leaf plant every month	Improves aroma	Ensures availability of enzymes, vitamins and micronutrients
2.	Coconut	Mulching dry leaves in coconut	Reduces button shedding	Leaf mulching helps in retaining moisture in soils; Checks weeds
3.	Drumstick	Nipping in drumstick	Bears more flowers and fruits	Seedlings reach 75 cm height; the shoot tips are to be nipped off to encourage more side branches.
4.	Redgram	Coating red earth to overnight soaked redgram and drying in shade	Reduces insect damage and facilitates miling	Wetting and drying (Thawing) process loosens husk from kernel and earth acts as physical barrier to the storage insect
5.	Tomato	Cultivating Marigold with Tomato	Controls fruit borer	Acts as fruit borer trap

**10 F. Technology Week celebration during 2020 : Not conducted**

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 technologic week			

**10 E. Recognition and Awards:** Please give details about National and State level recognition and awards : NIL



## PART XI – SOIL AND WATER TEST

### 11.1 Soil and Water Testing Laboratory

#### A. Status of establishment of Lab

1. Year of establishment : 2008  
 2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost(RS)	Status
1	Analytical Balance	01	87999.00	Good
2	E.C.Meter	01	68145.00	Good
3	PH Meter	01	31624.00	Good
4	Automatic Nitrogen Estimation system	01	298994.00	Good
5	Fume cup board	01	95000.00	Good
6	Shaker reciprocating type	01	62540.00	Good
7	Mrida parikshak soil testing mini lab kit	01	86000.00	Good
8	Digital spectrometer	01	470230.00	Good
9	Water distillation unit	01	162241.00	Good
10	Flame photo meter	01	65250.00	Good
11	AAS unit	01	1500000.00	Good
12	Hot plate rectangular	01	21000.00	Good
<b>Total</b>		<b>12</b>	<b>2949023.00</b>	

#### B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
<b>Soil Samples</b>	12498	9407	3865
<b>Water Samples</b>	4768		
<b>Plant samples</b>	33		
<b>Manure samples</b>	30		
<b>Others (specify)</b>	43		
<b>Total</b>	<b>17372</b>	<b>9407</b>	<b>3865</b>

#### Details of samples analyzed during the 2020

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	1519	643	643	134250
Water Samples	408	333	333	40822
Plant samples				
Manure samples	12	10	10	4800
Others (specify)				2000
<b>Lime</b>	5	2	2	
<b>Total</b>	<b>1944</b>	<b>988</b>	<b>988</b>	<b>181872</b>

### 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 2020 and since establishment with Mobile Soil Testing Kit: NIL

	During 2019	During 2020	Cumulative progress (Total)
<b>Samples analyzed (No.)</b>			
<b>Farmers benefited (No.)</b>			

Villages covered (No.)			
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### 11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit during 2020:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	Reporting period	643	643	1519	1519
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.	60	25	-	2	5	1

## 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)
Demonstration of photoperiod insensitive, less string, high yield French bean variety Arka Sharath	20	75%	1,22,710/- per ha.	2,48,950/- per ha.
Nitrogen use efficiency in paddy	5	40%	57,480/- per ha	77,400/- per ha
Inter-cropping of Field Bean variety Hebbal Avare-4 (HA-4) in younger arecanut gardens	10	30 %	-	31,578/- per ha
Management of arecanut root grub	5	45%	1,50,200/- Per ha	1,95,200/- per ha
Demonstration of DSR method for Paddy Cultivation	10	20%	3,2916/- Per ha	43,339/- Per ha
Assessment of improved fine rice varieties	3	25%	27224/- Per ha	39456/- Per ha
Demonstration of Black gram variety Rashmi (LBG - 625)	40	60%	20880/- Per ha	26230/- Per ha
Demonstration of Ragi variety KMR-630	10	20%	31048/- Per ha	39773/- Per ha

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)

#### 1. Green gram (KKM-3) – Better crop for paddy fallows

Krishi Vigyan Kendra, Shivamogga had demonstrated on the use of short duration green gram variety KKM-3 for paddy fallows under NFSM scheme. It was taken up in different clusters of Shivamogga district viz., Shikaripura, Shivamogga, Sagar taluks. Since 2015-16 and 2020-21 totally 400 demos covering an area of 400.00 acres.

Crop was sown during January under residual soil moisture after the harvest of paddy grown during Kharif. Available soil moisture facilitated better establishment and growth of the crop. During the demonstration period soil moisture reseeded soon as there was a high temperature. In spite of this, KKM-3 could yield filled grains due to its short duration nature. KKM-3 is a short duration green gram variety released during 2010-11. Along with the varietal introduction to farmer's fields several low cost technologies and precautionary measures were demonstrated as a capsule to make the farmer partners understand the concept of integrated crop management. Seeds were treated with bio-inoculates viz., *Rhizobium*, PSB and *Trichoderma* @ 500 gm / 6 kg seeds per acre which were sufficient to sow in an acre area. Application of recommended dose of nutrients foliar spray of nutrients with water soluble fertilizers at flower initiation stage and prophylactic spray of PPC against pod borer and sucking pests were demonstrated. KKM-3 was compared with local check with 10-12 days longer duration. Green gram demonstration on paddy fallows was taken up with least inputs supply and with no irrigation facility. Green gram variety KKM-3 was accepted by farmer friends due to its short duration and small, shiny seeds which fetches better price in the market compared to local check. Seeds produced were shared among fellow farmers with and / without payment.

Green gram specially KKM-3 variety was accepted for its short duration which facilitates to take up and additional crop without leaving it fallow for the want of resources.

Green gram variety KKM-3 grow under paddy fallows was popularized to many farmers for the villages and the neighbouring villages through several extension activities like training, method demonstration, field visits, field day and by organizing a Krishimela on large scale. This encouraged fellow farmers of the villages to know the technology.

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

## **PART XIII - LINKAGES**

**13A. Functional linkage with different organizations**

Sl. No.	Name of organization	Nature of linkage
1.	Karnataka State Dept. of Agriculture	<ul style="list-style-type: none"> <li>- Joint diagnostic survey</li> <li>- Joint implementation of FLD's</li> <li>- Bi-monthly workshops</li> <li>- Collaborative training programme under ATMA</li> <li>- Joint field visits</li> <li>- Demonstration under ATMA</li> </ul>
2.	Karnataka State Dept. of Horticulture	<ul style="list-style-type: none"> <li>- Joint diagnostic survey</li> <li>- Collaborative training under NHM project</li> <li>- Field visits</li> <li>- Technology Demonstration</li> </ul>
3.	Karnataka state Dept. of Animal Health & Veterinary Sciences	<ul style="list-style-type: none"> <li>- Collaborative training</li> <li>- Joint implementation of animal health camps, vaccination camps, mass deworming and nutrition management of dairy stock and calf management</li> <li>- Technology demonstration of Feed formulation etc.,</li> </ul>

Sl. No.	Name of organization	Nature of linkage
4.	Karnataka State Sericulture Dept.	- Collaborative training ; technology demonstration
5.	Karnataka State Dept. of Fisheries	- Technology demonstration and training under NFDB
6.	Dept. of Industries and commerce	- Collaborative training
7.	All India Radio	- Technology dissemination
8.	Doordarshan & Private TV Channels	- Technology dissemination
9.	Information and Broadcasting Dept.	- Technology dissemination & publicity
10.	Financial institutions like NABARD & Nationalized co-operative banks	- Formation of self help groups - Collaborative training programme
11.	Input agencies	- Collaborative farmers training programme - Technology dissemination
12.	Self Help Group	- Technology dissemination & organizing training
13.	Non-Governmental Organisations	- Training programme
14.	Local village level youth clubs	- Organizing training programme & field demonstration
15.	Co-operative sectors viz., milk producers, co-operative society, water users co-operative society etc.,	- Health camps and training programmes
16.	College of Agriculture	Involving RAWEP in conducting - Training Programme - Method demonstration - Group meeting & field visits
17.	Dept. of marketing and Co-operation	- Awareness & training programme on go down schemes
18.	Department of Panchayath raj and rural development	Training
19.	Coconut development Board	Training
20.	Protection of Plant Varieties and Farmers' Rights Authority, New Delhi	Training
21.	UAHS, Shivamogga	Interaction Meet, Krishi Mela, Training, Seminar, Workshop
22.	Rural self employment training institute	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

**13.B. 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.)
Short Term Certificate Course : Horticulture nursery management and plant propagation techniques for rural youths	January 2020	GoK	3.00
Nutrigarden	24-09-2020	GoK	27000

**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	<b>Meetings</b>	<ul style="list-style-type: none"> <li>• Review meeting</li> <li>• Bi-monthly</li> </ul>	2		
02	<b>Research projects</b>				
03	<b>Training programmes</b>	Krishi Abhiyana			
04	<b>Demonstrations</b>				
05	<b>Extension Programmes</b>				
	Kisan Mela				
	Technology Week				
	Exposure visit	Farmers visit	4		
	Exhibition				
	Soil health camps	Soil health card distribution	6		
	Animal Health Campaigns				
	Others (Pl. specify)				
06	<b>Publications</b>				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	<b>Other Activities (Pl. specify)</b>				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

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

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

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

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

## 13F. Details of linkage with RKVY : NIL

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

## 13G. Kisan Mobile Advisory Services

Month	No of Advisories	Message type (Text/Voice)	SMS/voice calls sent (No.)					Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
			Crop	Livestock	Weather	Marketing	Awareness		
January									
February									
March									
April									
May	2	Text				1	1	2	5040
June									
July									
August									
September									
October									
November									
December									
<b>Total</b>	<b>2</b>	<b>Text</b>				<b>1</b>	<b>1</b>	<b>2</b>	<b>5040</b>

**PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK**

## 14. A. 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.	Nutritional garden	2013	0.20	-	Fruits & vegetables		1800	4650	
2.	Vermicompost unit	2010	0.01	-	Compost	2 ton	3000	8000	
3.	Poultry	2020	0.02	Swarnadhara	Broiler	50 No.	-	-	Recently initiated
4.	Dairy	2020	0.03	HF	Milk	4	-	-	Recently initiated

## 14. B. 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. (quintals)	Cost of inputs	Gross income	
<b>Cereals</b>									
Ragi	08.09.2020	22.12.2020	0.30	GPU-28	TL	0.60	3000	6000	
				ML-630	TL	0.30			

				KMR-365	TL	0.30			
<b>Pulses</b>									
Redgram	20.06.2020	10.12.2020	0.20	BRG-4	TL	0.40	2200	4600	
Greengram	20.06.2020	12.09.2020	0.30	KKM-3 DGGV-2	TL	1.00	7300	9840	
Field Bean	21.06.2020	02.11.2020	0.40	HA-4	TL	0.50	5600	9800	
Cowpea	21.06.2020	24.10.2020	0.40	UAHS-28	TL	0.60	6000	11500	
<b>Oilseeds</b>									
Groundnut	13.06.2020	12.10.2020	0.60	GPBD-4	TL	8.0	37500	112000	
	21.06.2020	14.10.2020		G-2-52	TL	7.0			
<b>Fibers</b>									
<b>Spices &amp; Plantation crops – Planting material Production</b>									
Coconut			0.10 ha	Arasikere Tall	Seedling	1788 no.	50000	90400	
Arecanut			0.10	Maidan local	Seedling	1500 no.	3750	24175	
Pepper			0.001	Paniyur-1	Seedling	50 no.	500	1000	
<b>Floriculture</b>									
<b>Fruits</b>									
Papaya			0.001	Taiwan Red Lady	Seedling	12291 no.	130000	214395	
Lime			0.001	Local	Seedling	51 no.	300	890	
<b>Vegetables</b>									
Drumstick			0.001	PKM-1	Seedling	2063 no.	8000	25959	
Curry leaf			0.001	Suhasini	Seedling	26	65	373	
<b>Others (specify)</b>									

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

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

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

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

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**14. E. Utilization of hostel facilities :**

**Accommodation available (No. of beds) : 40**

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January			
February			
March			
April			
May			
June			
July			
August	20	9	-
September	18	25	-
October			
November			
December			

**14. F. Database management**

S.No.	Database target	Database created
1.	To create pivot table / dashboard for all the data of KVK activities for easy compilation and to provide data for all types of periodical reports.	Maintaining basic information database of KVK activities in MS-Excel format and MS-Word for easy compilation of reports.
2.	To provide MIS report every month to DE's Office and ATARI, Bengaluru. <b>MIS report</b> is used to highlight the day to day activities, which enables to monitor KVK progress.	Maintaining basic information database of KVK activities in MS-Excel format and MS-Word. Photos of different activities were stored in different folders by giving the activity name for easy accessibility.



## 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)

SI 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	Yalavatti	Before	258.00	62.42	150.12	0.48	Neem oil, PSB, plastic drum, Azospirillum, Coc	Paddy	JGL – 1798	Trichoderma, Jeevamrutha, Azadarictin	32.90 (organic)	38059.5 (organic)	18065.0 (Organic)
		After (organic)	275.65	58.92	134.40	0.56					47.23 (Inorganic)	53186.5 (Inorganic)	(33327.5) (Inorganic)
		After (Inorganic)	270.60	66.69	145.07	0.54							
	Yalavatti	Before	206.00	59.91	118.72	0.56	Micro nutrient mixtures, COC, Areca husk compost culture, plastic drum, spinosad, neem cake	Arecanut	Tarikere local	Trichoderma, neem oil, Jeevamrutha, Azadarictin, COC, Areca compost culture	22 (Organic)	85000 (Organic)	707000 (Organic)
		After (organic)	235.65	53.92	131.40	0.66					23.15 (Inorganic)	130000 (Inorganic)	703000 (Inorganic)
		After (Inorganic)	210.60	67.29	125.61	0.51							

## 15.2 District Agriculture Meteorological Unit (DAMU) : NIL

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

## 15.3 Fertilizer awareness programme 2020 : NIL

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

## 15.4 Seed Hub : NIL

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

## 15.5 CFLD on Oilseeds: NIL

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

## 15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
1.	Green gram	Pache hesaru, KKM - 3	20	50	20	50
	TOTAL		20	50	20	50

## 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

**15.9 Tribal Sub-Plan (TSP) : NIL**

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

**15.10 SCSP : NIL**

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

**15.11 NARI : NIL**

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

FLDs – Value addition(activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

**15.12 KVK Portal**

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
132	3	Y	N	N	Y	Y	Y	N	Y	N	N	N	N

**15.13 KSHAMTA : NIL**

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

**15.14 DFI**

SI	District	Taluku	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)
1.	Shivamogga	Thirthahalli	Tanikal	50	363387	Arecanut, Coconut, Paddy, Banana, Spices, Dairy, Backyard poultry, Coffee, Areca palm climbing, bee keeping, vermicompost unit	OFT, FLD, Demonstration, Training (on and off campus), Field visit, Special days, exhibition, technology week	100661	464048

2.	Shivamogga	Shikaripura	Nimbegundi	50	238876	Arecanut, Paddy, Maize, Ginger, Banana, Vegetables, Spices, Dairy, Backyard poultry Nutritional garden, Areca palm climbing, vermicompost unit, bee keeping	OFT, FLD, Demonstration, Training (On and Off campus), Field visit, Special days, exhibition, technology week	48418	287294
3.	Shivamogga	Hosanagara	Nanjuvalli	50	144014	Arecanut, Paddy, Ginger, Banana, Vegetables, Spices, Dairy, Backyard poultry, Areca palm climbing, vermicompost unit, bee keeping	OFT, FLD, Demonstration, Training (on and off campus), Field visit, Special days, exhibition, technology week	38094	182108
4.	Shivamogga	Shivamogga	Sominakoppa	50	273293	Arecanut, Coconut, Paddy, maize, Banana, Spices, Dairy, Backyard poultry, vermicompost unit, bee keeping	OFT, FLD, Demonstration, Training (on and off campus), Field visit, Special days, exhibition, technology week	82319	355612

## PART XVI - FINANCIAL PERFORMANCE

### 16A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	Canara Bank	S.M.Circle, Shivamogga	524	SB A/c	0524101038350	577015205	CNRB 0000524
With KVK	Canara Bank	S.M.Circle, Shivamogga	524	SB A/c	0524101032710	577015205	CNRB 0000524

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

-SI No	Particulars	Allotment	Released	Expenditure
<b>A. RECURRING CONTINGENCIES</b>				
1.	Pay and Allowance	160.25	160.25	165.25
2.	Travelling Allowance	0.20	0.20	0.20
3.	<b>CONTINGENCIES</b>			
a.	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.25	3.25	2.50
b.	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.68
c.	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.90	0.90	0.90
d.	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.70	0.70	0.70
e.	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.95	2.95	2.82
f.	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.06	1.06	1.00
h.	Training of extension functionaries	0.25	0.25	0.25
i.	Extension Activities	0.25	0.25	0.25
k.	EDP / Innovative activities	0.15	0.15	0.15
l.	Soil & Water Testing & Issue of Soil Health Cards	0.25	0.25	0.25
m.	Maintenance of building	0.50	0.50	0.50
n.	Nutrigardens	0.27	0.27	0.27
o.	Library	0.05	0.05	0.04
	<b>Total (A)</b>	<b>173.03</b>	<b>173.03</b>	<b>176.76</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>	-	-	-
2	<b>Equipment including SWTL &amp; Furniture</b>	-	-	-
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	-	-	-
4	<b>Library</b> (Purchase of assets like books & journals)	-	-	-

<b>TOTAL (B)</b>	-	-	-
<b>C. REVOLVING FUND</b>	-	-	-
<b>GRAND TOTAL (A+B+C)</b>	<b>173.03</b>	<b>173.03</b>	<b>176.76</b>

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

<b>Year</b>	<b>Opening balance as on 1<sup>st</sup> January</b>	<b>Income during the year</b>	<b>Expenditure during the year</b>	<b>Net balance in hand as on 31<sup>st</sup> December of each year</b>
January to December 2018	9.42	6.12	3.91	11.63
January to December 2019	11.63	4.53	3.91	12.25
January to December 2020	12.25	5.83	8.06	10.44

## 17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. B.C.Hanumanthaswamy	Senior Scientist and Head	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Mr. M. Basavaraja	Scientist (Agronomy)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Dr. Jyoti M. Rathod	Scientist (Home Science)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Dr. Ashok, M.	Scientist (Animal Science)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Miss Rekha M. V.	Scientist (Soil Science)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Miss G. B. Smitha	Scientist (Horticulture)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Dr. Arunkumar P.	Scientist (Agril. Extension)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Dr. Nagaraja R.	Programme Assistant (Lab)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Smt. B. S. Geetha	Programme Assistant (Computer)	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Smt. Usha K.	Assistant	Web and Social media training programme for KVK staff	UAHS, Shivamogga	11-06-2020
Miss Rekha M. V.	Scientist (Soil Science)	Basics of web and social media	With Zoom app at KVK, Shivamogga	24-06-2020
Miss G. B. Smitha	Scientist (Horticulture)	Basics of web and social media	With Zoom app at KVK, Shivamogga	24-06-2020
Smt. B. S. Geetha	Programme Assistant (Computer)	Basics of web and social media	With Zoom app at KVK, Shivamogga	24-06-2020
Miss Rekha M. V.	Scientist (Soil Science)	Web and social media	With ANJANA Shikshana App and UAHS Web app at KVK, Shivamogga	19-08-2020



<b>Name of the staff</b>	<b>Designation</b>	<b>Title of the training programme</b>	<b>Institute where attended</b>	<b>Dates</b>
Smt. B. S. Geetha	Programme Assistant (Computer)	Web and social media	With ANJANA Shikshana App and UAHS Web app at KVK, Shivamogga	19-08-2020
Dr. Jyoti M. Rathod	Scientist (Home Science)	Online training on Nutri-Garden	KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Miss G. B. Smitha	Scientist (Horticulture)	Online training on Nutri-Garden	KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Dr. B.C.Hanumanthaswamy	Senior Scientist and Head	Online training on Nutri-Garden	KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Mr. Siddarodha Padeppagol	Senior Research Fellow, AYAR Project	Online training on Nutri-Garden	KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Mr. Raghu, A. N.	Field Assistant, AYAR Project	Online training on Nutri-Garden	KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Dr. B.C.Hanumanthaswamy	Senior Scientist and Head	Online orientation and discussion of PKVY project	With Google meet at KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Mr. M. Basavaraja	Scientist (Agronomy)	Online orientation and discussion of PKVY project	With Google meet at KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020
Miss Rekha M. V.	Scientist (Soil Science)	Online orientation and discussion of PKVY project	With Google meet at KVK, Shivamogga, organized by DE, UAHS, Shivamogga	26-08-2020

<b>Name of the staff</b>	<b>Designation</b>	<b>Title of the training programme</b>	<b>Institute where attended</b>	<b>Dates</b>
Dr. Ashok, M.	Scientist (Animal Science)	Smart dairy training - Boosting productivity through innovation	NAVSARI, Gujarath	18-08-2020 to 22-08-2020
Dr. Ashok, M.	Scientist (Animal Science)	Poultry entrepreneurship	Hesaraghatta, Bengaluru organized by NAU, Navarasari, Gujarath	21-09-2020 to 25-09-2020
Dr. Nagaraja R.	Programme Assistant (Lab)	Mass production and quality testing of microbial pesticides for management of crop pest and diseases	Online Virtue training, ICAR-Indian Institute of oil seeds research, Hyderabad	21-09-2020
Dr. B.C.Hanumanthaswamy	Senior Scientist and Head	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Mr. M. Basavaraja	Scientist (Agronomy)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Dr. Jyoti M. Rathod	Scientist (Home Science)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Dr. Ashok, M.	Scientist (Animal Science)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020

<b>Name of the staff</b>	<b>Designation</b>	<b>Title of the training programme</b>	<b>Institute where attended</b>	<b>Dates</b>
Miss Rekha M. V.	Scientist (Soil Science)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Miss G. B. Smitha	Scientist (Horticulture)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Dr. Arunkumar P.	Scientist (Agril. Extension)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020
Dr. Nagaraja R.	Programme Assistant (Lab)	Workshop on Bio-fuel preparation	Engineering Department, CoA, Shivamogga organized by DE, UAHS, Shivamogga	07-10-2020

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

**Advisories given during Lockdown Period Through social media**

Farm advisories on various crops particularly on paddy, maize, arecanut, ginger, banana, vegetable crops, coconut, availability of seeds and seedlings and management of various diseases of animals given to 1956 farmers through social media.

Through WhatsApp sent messages regarding adequate personal safety measures to be taken to prevent the spread of COVID-19 while performing the agricultural activities and download the Arogya Setu App. Around 10,000 farmers benefitted.

The following articles published in Online news channel - News Next during lockdown period for the benefit of the general public

- 1) Nutritious food to increase immunity power
- 2) Use of fruits and vegetables to increase immunity power
- 3) Value addition to Jack fruits and its products
- 4) Balanced diet as base for health
- 5) Milk and importance of nutrients in milk
- 6) Ragi nutrition and its uses were. Around 2000 members of this channel get benefitted from these articles
- 7) Nursery management in arecanut Around 2000 subscribers of this channel get benefitted

**Marketing linkage for below mentioned produce during lockdown period**

Sl. No.	Crop/enterprises	Quantity sold (kg.)	Amount (Rs.)
1.	Fruits (Banana, Papaya, Pineapple, Water melon)	113250	1709700
2.	Vegetables (Tomato, cucumber, cabbage, coccinea, Brinjal, chilli, sambar southe, Beet root, Bhendi, Musk melon, Ridge gourd and bitter gourd)	152400	1371600
3.	Papaya seedlings	3000	45000
4.	Curry leaf seedlings	50	600

**Facilitated for direct marketing by KVK IFS farmer Mr. Durgappa Angadi**

The country has been locked down for fear of spreading corona virus, which has created anxiety for middle-class farmers, especially vegetable growers. But even in such a situation, a small land holder Mr. Durgappa Angadi, Sahasravalli village, Shikaripura taluk has made a profit by selling vegetables grown by him.

Mr. Durgappa is cultivating various crops from the last few years with the guidance of the KVK, Shivamogga. In his small chunk of 2 acres of land he is maintaining poultry unit, bee keeping, fish culture in farm pond, vermicompost.

As intercrops he is growing banana and vegetables viz., coccinia, cucumber, tomato, beans, brinjal, and drumstick Areca plantation. But due to inadequate marketing system for vegetables which were grown during lockdown, he contacted KVK Scientists Dr. B. C. Hanumanthaswamy, Senior Scientist and Head and Miss G. B. Smitha, Scientist (Horticulture) over phone.

Scientists advised him to protect himself and to prevent spreading of deadly virus Corona to others, cover his nose and mouth with mask, maintain the social distance while selling the vegetables. Educated him to clean transport vehicles, gunny bags, storage materials with disinfectant chemicals to prevent the spreading of Corona virus. Facilitated for marketing linkage to vegetables through FPO, HOPCOMS and local market.

Timely advice from Shivamogga KVK scientists has made to earn profit of Rs. 54500/- during 1<sup>st</sup> lockdown period. Mr. Durgappa not only he followed instead he educated the neighbouring farmers also to follow the precautionary measures to prevent deadly Corona Virus.

His good step taken during this lockdown period for selling of vegetables was published in Vijaya Karnataka, Samyukta Karnataka, Vijayavani kannada daily news papers. Bold step taken by Mr. Durgappa was also telecasted in Digvijaya News Channel. He became the model to other farmers to find marketing for their produce.

**Facilitated for direct marketing by KVK IFS farmer Mr. Durgappa Angadi**



ಮಾದರಿ ನೆಲೆ

ಇಲ್ಲಿಂದ ನೋಡಿ ತಿಳಿಯುವುದು ತಾಲೂಕಿನ ಸಹಸ್ರವಳಿ ಗ್ರಾಮದ ರೈತ ದುರ್ಗವ್ವ ಅಂಗಡಿ ಯೋಜನಾಧಿ

## ಲಾಕ್‌ಡೌನ್‌ನಲ್ಲಿ ತರಕಾರಿ ಮಾರಿ ಲಾಭ ಗಳಿಸಿದ ರೈತ!

• ಕನ್ನಡಪುಟದ ವಿವರಣೆ

ಲಾಕ್‌ಡೌನ್ ಸಂದಿಕ್ತಿಯಿಂದ ಅನೇಕ ರೂಪಾಯಿಗಳಿಗೆ ಮೇಲೆ ಹೋಗಿರುವ ತರಕಾರಿ ಬೆಲೆಗಳನ್ನು ಕಡಿಗೊಳಿಸಿ ಸರಬರಾಜು ಒದಗಿಸುವುದು ಸರ್ಕಾರದ ಉದ್ದೇಶವಾಗಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ತಿಳಿಯುವಂತೆ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ದುರ್ಗವ್ವ ಅಂಗಡಿಯವರು ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.



ಲಾಕ್‌ಡೌನ್ ಸಂದಿಕ್ತಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಲಾಕ್‌ಡೌನ್ ಸಂದಿಕ್ತಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಇದು ಸೋಂಕು ನಿವಾರಣೆ ದಾಖಲಾತಿಗಳಿಂದ ಸುಧಾರಿಸಲು ಸರ್ಕಾರವು ತರಕಾರಿಗಳನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಾರಾಟಗೊಳಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ನೇರ ಮಾರಾಟಕ್ಕೆ ಅವಕಾಶವನ್ನು ಒದಗಿಸುವುದು ಸರ್ಕಾರದ ಉದ್ದೇಶವಾಗಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಲಾಕ್‌ಡೌನ್ ಸಂದಿಕ್ತಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

## ಉದಯ ವಾಣಿ, ದಿನಾಂಕ : 22-04-2020

# ಬೆಳೆದ ಫಸಲು ರೈತರಿಂದಲೇ ಮಾರಾಟ

■ ಲಾಕ್‌ಡೌನ್ ಸಮಯದಲ್ಲಿ ತಾತ್ಕಾಲಿಕ ಪರಿಹಾರ ಕಂಡುಕೊಂಡ ರೈತರು ■ ಸ್ವಲ್ಪದೇ ಮಾರುಕಟ್ಟೆಯಲ್ಲಿ ರೈತರಿಂದ ಮಾರಾಟ

ಬೆಂಗಳೂರು ಲಾಕ್‌ಡೌನ್ ಸಂದಿಕ್ತಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.



ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ.

ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

### ಭೂಮಿಯಲ್ಲೇ ಹುದುಗಿದ 300 ಕ್ವಿಂಟಲ್ ಸುರ್ಜಾ ಗೆಡ್ಡೆ!

ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.



ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ.

ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಬೆಂಗಳೂರು ನಗರದಲ್ಲಿ ತರಕಾರಿ ಮಾರಾಟದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ. ಇದರ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರವು ರೈತರಿಗೆ ಲಾಭದ ದೃಶ್ಯವನ್ನು ತೋರಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

### Transportation facility for marketing of fruits and vegetables through FPOs

During lockdown period due to Covid-19 pandemic, transportation arrangement was made by providing University vehicle for marketing of fruits and vegetables through FPOs of Shivamogga district.

Dr. M. K. Naik, Hon'ble Vice-Chancellor has given green signal to this programme. Key officers of UAHS, Shivamogga were present. KVK, Shivamogga has facilitated the marketing of farmers produce.



### Transportation facility for marketing of fruits and vegetables through FPOs

#### Supply of seeds and seedlings to Farmers' door step

- Covid-19 pandemic lockdown period has created the problem for transportation to the farming community to procure seeds and seedlings from University.
- In this situation, University has come forward to provide seeds and seedlings available with its jurisdiction to the farmers at their door steps.
- Dr. M. K. Naik, Hon'ble Vice-Chancellor has given green signal to this programme. Nursery seedlings viz., Coconut, arecanut, coffee, cashew, curry leaves, papaya, mango, drumstick and seeds viz., paddy and ragi were distributed.





# ವಿಜಯವಾಣಿ

ಕನ್ನಡಿಗರ ಜ್ಞಾನ 02-05-2020

## ದೈತರ ಮನೆಗೆ ಬೀಜ, ಸಸಿ ಕೃಷಿ-ತೋಟಗಾರಿಕೆ ವಿವಿ ನಿರ್ಧಾರ | ಸಾಗಣೆ ವೆಚ್ಚ ಭರಿಸಬೇಕಿಲ್ಲ

ಅಂದಿನಿಂದ ಆತ್ಮಾಪುರ ಶಿವಮೊಗ್ಗ ಲಾಕ್ಡೌನ್‌ನಿಂದ ಸಂಕಷ್ಟದಲ್ಲಿರುವ ದೈತರ ನೆರವಿಗೆ ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯ ಮುಂದಾಗಿದೆ. ಶೂನ್ಯ ಸಾಗಣೆ ವೆಚ್ಚದಲ್ಲಿ ಬೀಜ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ಸಸಿಗಳನ್ನು ಪೂರೈಕೆ ಮಾಡಲು ನಿರ್ಧರಿಸಿದೆ. ವಿವಿ ವ್ಯಾಪ್ತಿಯ ಏಳು ಜಿಲ್ಲೆಗಳ ರೈತರಿಗೆ ಇದರ ಪ್ರಯೋಜನ ಸಿಗಲಿದೆ. ಭತ್ತ, ರಾಗಿ, ಹೆಸರು, ಸೋಯಾಬೀನ್ ಬೀಜಗಳು, ಪಪಾಯಿ, ಸಪೋಟ, ಮಾವು, ತೆಂಗು ಅಡಕ ಮುಂತಾದ ತೋಟಗಾರಿಕೆ ಸಸಿಗಳನ್ನು ಪೂರೈಕೆ ಮಾಡಲಾಗುತ್ತಿದೆ. ಈ ಅವಧಿಯಲ್ಲಿ 8,600 ಕ್ವಿಂಟಾಲ್ ದತ್ತರ ಬೀಜ ಹಾಗೂ 5.32 ಲಕ್ಷ ಸಸಿಗಳನ್ನು ಪೂರೈಸುವ ಉದ್ದೇಶ ಹೊಂದಲಾಗಿದೆ.

ಮುಖ್ಯಮಂತ್ರಿ ಅಧ್ಯಯನ ನಡೆಸಿ ಪ್ರಮಾಣೀಕೃತಗೊಂಡ ಬೀಜಗಳನ್ನೇ ಪೂರೈಕೆ ಮಾಡುವುದರಿಂದ ರೈತರಿಗೆ ಕಳೆದ ದಿವ್ಯನ ಬೀಜದ ಅಂತರ ಇರುವುದಿಲ್ಲ. ಲಾಕ್ಡೌನ್ ಸಂದರ್ಭದಲ್ಲಿ ಕೃಷಿ ಚಟುವಟಿಕೆ ನಡೆಸಲು ಬೀಜ ಹಾಗೂ ಸಸಿಗಳನ್ನು ಕೊಂಡೊಯ್ಯಲು ಸಕಾಲದಲ್ಲಿ ವಾಹನಗಳು ಸಿಗದಿರುವ ಸಾಧ್ಯತೆಗಳೇ ಹೆಚ್ಚು. ರೈತರಿಗೆ ಈ ಸಮಸ್ಯೆಗಳಿಗೆ ವಿವಿಯು ಹೊಸ ಶ್ರಮದಿಂದ ಪರಿಹಾರ ಸಿಕ್ಕುಂಕಾಗಿದೆ. ಬಾಡಿಗೆ ವಾಹನಗಳೇನೇನು ರೈತರು ಬೀಜ ಹಾಗೂ ಸಸಿಗಳಿಗೆ ತೆಗೆಯುವ ವೆಚ್ಚ ಭರಿಸದೇ ಸಾಕು. ಅವುಗಳನ್ನು ಸರಬರಾಜು ಮಾಡುವುದಕ್ಕೆ ಯಾವುದೇ ಹಣ ಪಾವತಿಯೇನೇನಿಲ್ಲ. ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿವಿ ವಾಹನದಲ್ಲಿ ರೈತರ ಮನೆ ಬಾಗಿಲಿಗೆ ಬೀಜ, ಸಸಿಗಳನ್ನು ತಲುಪಿಸಲಾಗುತ್ತದೆ.



ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿವಿಯಲ್ಲಿ ರೈತರಿಗೆ ವಿತರಣೆ ಮಾಡಲು ಸಿದ್ಧವಾಗಿರುವ ಅಡಕ ಸಸಿಗಳು

ಈಗ ಲುಕುತಕ ಕಡೆಗಳಲ್ಲಿ ಲಾಕ್ಡೌನ್ ಕೊರತೆ ಸಡಿಲಕೆಯಾಗಿದೆ. ಆದರೆ ಸಂಪೂರ್ಣವಾಗಿ ಲಾಕ್ಡೌನ್ ತೆರವು ಆಗುವವರೆಗೂ ಬೀಜ ಹಾಗೂ ಸಸಿಗಳನ್ನು ಪೂರೈಸಲಾಗುತ್ತದೆ. ಒಂದು ವೇಳೆ ಈಗಿರುವ ಬೀಜ ಹಾಗೂ ಸಸಿಗಳ ದಾಖಲಾತಿ ಲಾಕ್ಡೌನ್ ತೆರವಿನ ಅವಧಿಯಲ್ಲಿಗೆ ಮುಕ್ತಾಯವಾದರೆ ಯೋಜನೆ ಮುಂದುವರಿಯುವುದಿಲ್ಲ. ವಿವಿ ಇಂಜಿನಿಯರಿಂಗ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಶಿಷ್ಟ ಕಾರ್ಯಕ್ರಮ ಕೈಗೊಂಡು ಇದೇ ವೇಲೂರು ಬಾರಿಯಾದರೂ ರೈತರು ಸಂಕಷ್ಟದಲ್ಲಿರುವ ಸಮಯದಲ್ಲಿ ಸೋಪಾನವಾದ ಯೋಜನೆ ಅನ್ವಯಿಸಲು ಸಿದ್ಧರಾಗುವುದಿಲ್ಲ.

ವಿವಿಧ ತಳಿಗಳ ಲಭ್ಯತೆ ವಿವಿಯ ವಿವಿಧ ಸಂಶೋಧನಾ ಕೇಂದ್ರಗಳಲ್ಲಿ ಸಿದ್ಧಗೊಂಡ ತೋಟಗಾರಿಕೆ ಸಸಿಗಳು ಹಾಗೂ ಪ್ರಮಾಣೀಕೃತ ವಿವಿಧ ತಳಿಯ ಬೀಜಗಳನ್ನು ರೈತರು ಪಡೆಯಬಹುದು. ವಿವಿ ವ್ಯಾಪ್ತಿಯ ಏಳು ಜಿಲ್ಲೆಗಳ ರೈತರಿಗೆ ಅನುಕೂಲವಾಗುವ ತಳಿಗಳ ತೋಟಗಾರಿಕೆ ಸಸಿಗಳನ್ನು ಲಭ್ಯವಿದೆ.

**ಒಂದೆರಡು ದಿನದಲ್ಲಿ ಸಿಗುತ್ತ**  
ವಿವಿಯನ್ನು ಸಂಪರ್ಕಿಸಿ ಅಗತ್ಯ ಪ್ರಮಾಣದ ಬೀಜ ಹಾಗೂ ಸಸಿಗಳ ಬೇಡಿಕೆ ಪಟ್ಟಿ ನೀಡಿದರೆ ಒಂದೆರಡು ದಿನಗಳಲ್ಲಿ ಅವುಗಳನ್ನು ಪೂರೈಸಲಾಗುತ್ತದೆ. ಆದರೆ ಕನಿಷ್ಠ ಒಂದು ಎಕರೆ ಪ್ರದೇಶಕ್ಕೆ ಅವಶ್ಯವಿರುವ ತೋಟಗಾರಿಕೆ ಸಸಿ ಇಷ್ಟವೇ 800ದ 10 ಕ್ವಿಂಟಾಲ್ ಬೀಜಗಳನ್ನು ಮಾತ್ರ ಒಮ್ಮೆಗೆ ಪೂರೈಕೆ ಮಾಡಲಾಗುತ್ತದೆ. ಒಂದು ವೇಳೆ ಒಬ್ಬ ರೈತರಿಗೆ ಇಷ್ಟೊಂದು ಪ್ರಮಾಣದ ಬೀಜ, ಸಸಿ ಅವಶ್ಯವಿಲ್ಲದಿದ್ದರೆ ಮೂರನೆಯ ರೈತರು ಸೇರಿಕೊಂಡು ಬೇಡಿಕೆ ಪಟ್ಟಿ ಸಲ್ಲಿಸಬಹುದು.

**9 ತಳಿಯ ಭತ್ತದ ಬೀಜಗಳು**  
ತುಂಗಾ, ಎಂಟಿಯು-1001, ಎಂಒ-4, ಜ್ಯೋತಿ, ಕೆಪಿಆರ್-1, ಕೆಎಚ್-2, 10, 11, 13 ತಳಿಯ ಭತ್ತದ ಬೀಜಗಳನ್ನು ರೈತರ ಮನೆ ಬಾಗಿಲಿಗೆ ಒದಗಿಸಲಾಗುತ್ತದೆ. ಜಿಪಿಯು-28 ಹಾಗೂ ಎಂಎಲ್-365 ತಳಿಯ ರಾಗಿ, ಕೆಪಿಎಂ-3 ತಳಿಯ ಹೆಸರು ಹಾಗೂ ಡಿಎಸ್‌ಎ-21 ತಳಿಯ ಸೋಯಾಬೀನ್ ಬೀಜಗಳು ಲಭ್ಯವಿದೆ.

**ಲಭ್ಯವಿರುವ ಸಸಿ ತಳಿಗಳು**

ಪಪಾಯಿ	ಶಿವಮೊಗ್ಗ ರೋಡ್
ಸಪೋಟ	ಕೆಪಿಎಲ್, ಪಾಲಿಕ್ಯಾನ್
ಮಾವು	ಅಭಿಷೇಕ್
ಸಿಂಧಿ	ಕಾಶಿ ಸಿಂಧಿ, ಗಜ ಸಿಂಧಿ
ತೆಂಗು	ಅರಣ್ಯಕೃಷಿಯು, ಕೆಂಪು
ಅಡಕ	ವಿಜಯಪು, ತಾಂಕಿ, ಪಟ್ಟಣಂ ಕೋರ್, ಮಂಗಳ
ಗೆಣ್ಣೆ	ಉಣ್ಣು, 0-4, 0-7, ಉಣ್ಣು-1,3
ಕೋಣೆ	ಪುನರವಳಿ
ಕಾಣುಮೆಣಸು	ಪೆಟಿಯೂಲ್
ಕಲಬುರಗಿ	ಸುಪ್ರಸಿದ್ಧ, ಲೋಕ
ಸುಗು	ಲಾಕ್, ಕೆಪಿಎಂ-1
ಕಾಠಿ	ಲೋಕ

ಯಾವುದೇ ಬಾಬಿ ನಿಡುವ ಅವಶ್ಯಕತೆಯಿಲ್ಲ  
ಬೀಜ, ಸಸಿಗಳ ಸಾಗಣೆಗೆ ಹಣ ನೀಡಬೇಕಿಲ್ಲ  
ವಿವಿಧ ತಳಿಗಳ ಅಯ್ಕೆಗೆ ರೈತರಿಗೆ ಅವಕಾಶವಿದೆ  
ಹಲವು ಬಗೆಯ ಹಣ್ಣಿನ ಗಿಡಗಳೂ ಲಭ್ಯವಿದೆ

**ಹತ್ತಿರದ ಕೇಂದ್ರಗಳಿಂದ ಪೂರೈಕೆ**  
ಏಳು ಜಿಲ್ಲೆಗಳ ವ್ಯಾಪ್ತಿ ಹೊಂದಿರುವ ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿವಿ 20 ಕೇಂದ್ರಗಳನ್ನು ಹೊಂದಿದೆ. ಇಲ್ಲಿ ದಿವ್ಯನ ಬೀಜ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ಸಸಿಗಳ ಸಂಗ್ರಹವಿರುತ್ತದೆ. ಬೇಡಿಕೆಗೆ ಅನುಗುಣವಾಗಿ ಸಮೀಪದ ಕೇಂದ್ರಗಳಿಂದ ಪೂರೈಕೆ ಮಾಡಲಾಗುತ್ತದೆ. ಒಂದು ವೇಳೆ ಅಲ್ಲಿ ಲಭ್ಯವಿಲ್ಲದಿದ್ದರೆ ಬೇರೆ ಕೇಂದ್ರಗಳಿಂದ ನೀಡಲಾಗುತ್ತದೆ.



ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿವಿಯಲ್ಲಿ ರೈತರಿಗೆ ವಿತರಣೆ ಮಾಡಲು ಸಿದ್ಧವಾಗಿರುವ ತೆಂಗಿನ ಸಸಿ.

**ಬೆಚ್ಚುಗಳಿಗೆ ಸೌಲಭ್ಯ**  

- ಶಿವಮೊಗ್ಗ
- ಶಿವಮೊಗ್ಗ
- ಚಿತ್ರದುರ್ಗ
- ಚಿಕ್ಕಮಗಳೂರು
- ಮೈಸೂರು
- ಉಂಡಗಿ
- ದಕ್ಷಿಣ ಕನ್ನಡ

**ಬೀಜ, ಸಸಿಗಾಗಿ ಸಂಪರ್ಕಿಸಿ**  

- ಡಾ. ಎಚ್.ಡಿ. ಮೋಹನ್‌ಪುರಮಾಡ್, ವಿಶೇಷ ಅಧಿಕಾರಿ (ಮೊ.9480838991)
- ಡಾ. ಬಿ.ಮಂಜುನಾಥ್, ಸಹಾಯಕ ಬೀಜೋತ್ಪಾದನಾಧಿಕಾರಿ (9480838213)
- ಡಾ. ಕೆ.ಸಿ.ಶಶಿದರ್, ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ (9480838957)

ಪ್ರಯೋಜನ ಪಡೆದುಕೊಳ್ಳಬೇಕು. | ಡಾ. ಎಂ.ಕೆ.ನಾಯ್ಕ, ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಹಾಗೂ ತೋಟಗಾರಿಕೆ ವಿವಿ ಶಿಲಪತಿ

ವಿವಿಯಿಂದ ನೇರವಾಗಿ ಬೀಜ ಒದಗಿಸುವ ವ್ಯವಸ್ಥೆ ಇದ್ದಾರಿರುವುದರಿಂದ ಬೀಜ ಹಾಗೂ ಸಸಿಗಳ ದರದಲ್ಲಿ ರಿಯಾಯಿತಿ ಇರುವುದಿಲ್ಲ. ಆದರೆ ಬೀಜ, ಸಸಿಗಳನ್ನು ಮನೆ ಬಾಗಿಲಿಗೆ ತಲುಪಿಸಲು ಹಣ ಪಡೆಯುವುದಿಲ್ಲ. ರೈತರು, ರೈತ ಉತ್ಪಾದಕ ಗುಂಪುಗಳು, ಸ್ವಸಹಾಯ ಸಂಘಗಳು ಇದರ ಸಂಪರ್ಕಗಳನ್ನು ತಲುಪಬೇಕು.

**Supply of papaya seedlings**  
**Dr. M. K. Naik, Hon'ble VC, UAHS, Shivamogga distributed the papaya seedlings to the farmers at Agri War room, KVK, Shivamogga**

**Advisories through 'Agri War room'**  
 During the Covid-19 pandemic, University has started the 'Agri War room' at KVK, Shivamogga to address the problems of farming community. University scientists, professors given the advisories related to agricultural operations for the farmers. Some farmers contacted over phone for their problems and few visited KVK and taken seeds, seedlings and which were bio-fertilizers available at Navile Campus.



Distribution of papaya seedlings to farmers



Inauguration of 'Agri War Room'



## ಪ್ರಜಾವಾಣಿ

ದಿನಾಂಕ : 24-04-2020

**ರೈತರ ನೆರವಿಗೆ 'ಅಗ್ರಿ ವಾರ್ ರೂಂ'**

ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯದಲ್ಲಿ ರೈತರ ನೆರವಿಗೆ 'ಅಗ್ರಿ ವಾರ್ ರೂಂ' ಪ್ರಾರಂಭಿಸಲಾಗಿದೆ. ಕೋವಿಡ್ ಸಂಕಟದಲ್ಲಿ ರೈತರಿಗೆ ತಾಂತ್ರಿಕ ಮಾಹಿತಿ, ಸಲಹೆ ಹಾಗೂ ಕ್ಷೇತ್ರ ಭೇಟಿ ಅಗತ್ಯಗಳಿಗೆ ಸ್ಪಂದಿಸಲು ಈ ವಾರ್ ರೂಂ ನೆರವಾಗಲಿದೆ. ಸಂಪರ್ಕ ಮಾಹಿತಿ, ಮಾರಾಟ ವ್ಯವಸ್ಥೆಗೆ ಸಂಪರ್ಕ ಸೇತುವಾಗಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸಲಿದೆ. ಶಿವಮೊಗ್ಗ ನವುಲೆ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದಲ್ಲಿ ಪ್ರತಿದಿನ ಬೆಳಿಗ್ಗೆ 10ರಿಂದ ಸಂಜೆ 4ರ ವರೆಗೆ ರೈತರು ಸಂಪರ್ಕಿಸಬಹುದು. ಸಂಪರ್ಕ ಸಂಖ್ಯೆ: 94808 38967, 94808 38976, 82779 32600, 94489 99216, 08182-267017.

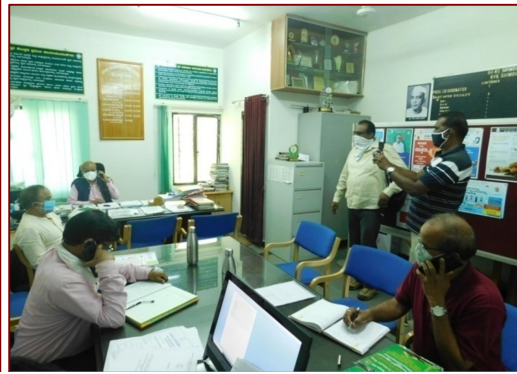
## ರೈತರ ನೆರವಿಗೆ 'ಅಗ್ರಿ ವಾರ್ ರೂಂ' ಆರಂಭ

ಶಿವಮೊಗ್ಗ: ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯದಲ್ಲಿ ರೈತರ ನೆರವಿಗೆ 'ಅಗ್ರಿ ವಾರ್ ರೂಂ' ಮತ್ತು ಜಿಲ್ಲಾ ಸಮನ್ವಯ ಸಮಿತಿಗಳನ್ನು ಪ್ರಾರಂಭಿಸಿದೆ.

ಕೋವಿಡ್ ಸಂಕಟದಲ್ಲಿ ರೈತರಿಗೆ ತಾಂತ್ರಿಕ ಮಾಹಿತಿ, ಸಲಹೆ ಹಾಗೂ ಕ್ಷೇತ್ರ ಭೇಟಿ ಅಗತ್ಯಗಳಿಗೆ ಸ್ಪಂದಿಸಲು ಈ ವಾರ್ ರೂಂ ನೆರವಾಗಲಿದೆ ಹಾಗೂ ಸಂಪರ್ಕ ಮಾಹಿತಿ, ಮಾರಾಟ ವ್ಯವಸ್ಥೆಗೆ ಸಂಪರ್ಕ ಸೇತುವಾಗಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸಲಿದ್ದು, ಶಿವಮೊಗ್ಗ ನವುಲೆ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದಲ್ಲಿ ಪ್ರತಿದಿನ ಬೆಳಿಗ್ಗೆ 10 ರಿಂದ ಸಂಜೆ 4ರವರೆಗೆ ಕಾರ್ಯನಿರ್ವಹಿಸಲಿದೆ ಎಂದು ವಿ.ವಿ.ಯ ಕುಲಪತಿಗಳು ತಿಳಿಸಿದ್ದಾರೆ.

ಈ ಕೇಂದ್ರವು ರೈತರಲ್ಲಿ ಕೋವಿಡ್ 19ರ ಸುರಕ್ಷತೆ ಕುರಿತು ಜಾಗೃತಿ ಮೂಡಿಸುವ ಕಾರ್ಯ ಮಾಡಲಾಗುತ್ತಿದೆ. ಬೀದಿ, ನರ್ಸರಿಗಳು ಲಭ್ಯವಿರುವ ಮಾಹಿತಿ ನೀಡಲಾಗುತ್ತಿದೆ. ಡಾ. ಎಂ. ಕೆ. ನಾಯಕ್, ಕುಲಪತಿಗಳು, ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ ಇವರು ವಾರ್ ರೂಂ ಉದ್ಘಾಟನೆ ಮಾಡಿದರು. ಡಾ. ಹೆಚ್. ಆರ್. ಯೋಗೀಶ್, ಉಪನಿರ್ದೇಶಕರು, ತೋಟಗಾರಿಕೆ ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅಧಿಕಾರಿಗಳು ಉಪಸ್ಥಿತರಿದ್ದರು. ಅಗ್ರಿ ವಾರ್ ರೂಂ ಸಂಪರ್ಕ ಸಂಖ್ಯೆ : 9480838967, 9480838976, 8277932600, 9448999216, 08182-267017.

ಪ್ರತಿ ಜಿಲ್ಲಾ ಹಂತದಲ್ಲಿ ನೋಡಲ್ ಅಧಿಕಾರಿಗಳನ್ನು ನೇಮಿಸಲಾಗಿದ್ದು, ಶಿವಮೊಗ್ಗ-9480838976, ಚಿತ್ರದುರ್ಗ-9480838201, ಉಡುಪಿ 94804 58083, ಚಿಕ್ಕಮಗಳೂರು-9480838203, ದಾವಣಗೆರೆ- 9449856876, ಕೊಡಗು-9945035707, ದಕ್ಷಿಣ ಕನ್ನಡ - 8794706468 ರೈತರು ತಮ್ಮ ಸಮಸ್ಯೆಗಳಿಗೆ ಸಂಕಷ್ಟ ಸಮಯದಲ್ಲಿ ಈ ಸೌಲಭ್ಯ ಬಳಸಿಕೊಳ್ಳಬಹುದು ಎಂದು ಶಿವಮೊಗ್ಗ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯ ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ ಡಾ. ಕೆ.ಸಿ. ಶಶಿಧರ್ ಇವರು ತಿಳಿಸಿದ್ದಾರೆ.





Advisories at Agri War Room during lockdown period





The following training programmes were conducted by maintaining necessary social distancing during COVID period

Date	Title of the programme	No. of participants
18-05-2020	Health and Hygiene awareness	30
20-05-2020	Backyard poultry farming	21
19-06-2020	Scientific sheep rearing	25
22-06-2020 to 23-06-2020	Improved sheep and goat farming for rural youth	19
25-06-2020	Soil sampling and nutrient management	30



Health and Hygiene awareness



Backyard poultry farming



**Improved sheep and goat farming for rural youth**



**Soil sampling and nutrient management**

#### **Webinar and Online trainings**

<b>Date</b>	<b>Title of the programme</b>	<b>No. of participants</b>
26-05-2020	Soil sampling and Soil health management	41
28-05-2020	Intercrops in arecanut	20
20-06-2020	Bee Keeping	52



Soil sampling and Soil health management



Intercrops in arecanut



Bee Keeping



## Best Farm Practices to Combat COVID-19

**“Establishing marketing linkage for Pineapple growers by KVK, Shivamogga” which was published in ICAR electronic book “Innovative Agri-Solutions during Covid-19” page No. 56-57.**

**Establishing marketing linkage for Pineapple growers by KVK, Shivamogga**

### Context

- Pineapple is an important fruit crop & it is cultivated in 1,475 ha. in Shivamogga district.
- Farmers were regularly selling their Pineapple fruits for Rs.12 / kg to the traders of Shivamogga and neighboring districts. They were also selling through middle-men to other States (Maharashtra, Uttar Pradesh and Tamil Nadu).
- The traders were procuring the harvested fruits from the farm gate, farmers were selling the fruits 10-15% lower than the MSP (Minimum support price) .
- COVID-19 lockdown restricted market access to the growers.
- Regular contact farmers were approached KVK for marketing of Pineapple fruits for better price.

### Innovation

- KVK, Shivamogga has come to the rescue of farmers in marketing of pineapple and getting a suitable price for the fruits with the support of FPO, NGO and local agricultural extension centers.
- With the help of Horticulture department, KVK Shivamogga linked the growers to Horticultural Producers' Cooperative Marketing and Processing Society (HOPCOMS).
- Around 102 farmers of Sagara and Soraba taluks of the district were sold about 208 tonnes of Pineapple @ Rs.18/kg to the consumers in and around Shivamogga and Bangalore city.
- KVK also advised and linked the farmers with FPO, HOPCOMS, APMC for marketing of fruits and also sold to processing units.





\* \* \*