

KRISHI VIGYAN KENDRA GANGAVATHI (KOPPAL)

ANNUAL REPORT-2019

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

KVK details:

ICAR KRISHI VIGYAN KENDRA GANGAVATHI (KOPPAL)
ARS CAMPUS, KANAKAGIRI ROAD, GANGAVATI – 583 227, KOPPAL DIST.

Host organization details:

UNIVERSITY OF AGRICULTURAL SCIENCES RAICHUR
UAS CAMPUS, RAICHUR– 584104 (KARNATAKA)

GENERAL INSTRUCTIONS

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

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

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 ARS Campus, Kanakagiri Road, Gangavathi-583 227 Koppal District	08533- 272518	08533- 271578	kvk.koppal@icar.gov.in pckvkkoppal@uasraichur.edu.in	www.kvkgangavathi.org

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences Raichur UAS Campus, Lingasugur Road, Raichur-584102	08532- 221444	08532- 220444	vc@uasraichur.edu.in	www.uasraichur.edu.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. M. V. Ravi Senior Scientist & Head	-	9480696316	mvravi1972@gmail.com

1.4. Year of sanction: 2004

1.5. Staff positionas on 31 December 2019

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. M. V. Ravi	Sr. Scientist& Head	M	Soil Science&Agril. Chemistry	Ph.D (Soil Science)	1,31,400 – 2,17,100	101100	28.11.2019	Permanent	Others
2	Scientist/SMS	Mrs. KavithaUllikashi	Scientist (Home Science)	F	Home Science	MHSc (Food Science & Nutrition)	57700–182400	75300	22.06.2017	Permanent	SC
3	Scientist/SMS	Mr. RaghavendraYaligar	Scientist (Agril. Entomology)	M	Agril. Entomology	M.Sc (Agril. Entomology)	57700–182400	79900	15.09.2017	Permanent	ST
4	Scientist/SMS	Dr. Jyothi, R.	Scientist (Horticulture)	F	Horticulture	Ph.D (Horticulture)	57700–182400	77500	25.07.2011	Permanent	ST
5	Scientist/SMS	Dr. Mahanthesh, M.T.	Scientist (Animal Science)	M	Animal Science	M.V. Sc (Animal Bio Technology)	57700–182400	66800	19.08.2011	Permanent	OBC
6	Scientist/SMS	Mrs. J. Radha	Scientist (Seed Science & Technology)	F	Seed Science & Technology	M.Sc (Seed science and Technology)	57700–182400	68800	12.05.2016	Permanent	ST
7	Scientist/SMS	Vacant	-	-	-	-	-	-	-	-	-
8	Programme Assistant (Lab Tech.)	Mrs. Farzana M. Korabu	Technical Officer (Soil Science)	F	Molecular Biology & Agril. Biotechnology	M.Sc (Molecular Biology & Agril. Biotechnology)	9,300–34,800	55200	11.11.2008	Permanent	OBC
9	Programme Assistant (Computer)	Mr. ChandrakantKotabagi	Technical Officer (Computer)	M	Computer Applications	MCA, PGDCA	9,300–34,800	55200	24.03.2017	Permanent	SC
10	Programme Assistant/ Farm Manager	Mr. Narappa, G.	Technical Officer (Farm Mgmt.)	M	Agronomy	M.Sc (Agronomy), MBA	9,300–34,800	55200	16.07.2009	Permanent	ST
11	Assistant	Mrs. Manjula M. Halakatti	Senior Assistant	F	Commerce	M.Com	37900–70850	39800	15.07.2016	Permanent	ST
12	Jr. Stenographer	Mr. Ravi S	Stenographer	M	Arts	MA	37900–70850	38850	17.06.2019	Permanent	OBC
13	Driver - 1	Mr. Khadarbasha	Driver (HV)	M	-	SSLC	27650–52650	31100	03.01.2012	Permanent	OBC
14	Driver - 2	VACANT									
15	SS-1	Mrs. Renukamma	Cook-cum-caretaker	F	-	SSLC	21400–42000	22400	04.06.2019	Permanent	ST
16	SS-2	Mr. Basappa, K.	Attender	M	-	SSLC	21400–42000	28300	19.02.2016	Permanent	ST

1.6. Total land with KVK (in ha): 19.9 ha

S. No.	Item	Area (ha) Total (19.9 ha.)
1	Under Buildings	01.60
2.	Under Demonstration Units	-
3.	Under Crops	16.70
4.	Orchard/Agro-forestry	01.60
5.	Others	-

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.)	Starting Date	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR, New Delhi	October, 2006	500	25,65,000	-	-	Established
2	Farmers Hostel	ICAR, New Delhi	July, 2008	350	36,00,000	-	-	Established
3	Staff Quarters	ICAR, New Delhi	June, 2007	400	36,92,000	-	-	Established
1	-					-		
2	-					-		
3	-					-		
4	-					-		
5	-					-		
6	-					-		
4	Demonstration Units							
	1. Vermicompost Units	ICAR, New Delhi	Aug. 2013	6 Units	15,000	-	-	Established
	2. Horticulture Nursery	NHM, Bangalore	Aug. 2013	1 Unit	6,32,007	-	-	Established
	3. Fodder Bank	ICAR, New Delhi	Oct.2013	2 acre	20,000	-	-	Established
	4. Chaff Cutter Cum Grinder	ICAR, New Delhi	Jan. 2013	1 Unit	40,000	-	-	Present
	5. Nutrition Garden	ICAR, New Delhi	Sep. 2013	1 Unit	5,000			Established
	6. Azolla Unit	ICAR, New Delhi	Oct.2013	2 Units	3,000	-	-	Established

Sl. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
7.	Millet Processing Unit	UAS, Raichur & KSDA, Bangalore	Nov. 2013	1 Unit	8,00,000	-	-	Established
8.	Dairy Unit	ICAR, New Delhi	Jan 2015	53	2,25,000	-	-	Established
9.	Vermicompost units	ICAR, New Delhi	Mar 2014	20 units (0.25 acre)	1,00,000	-	-	Established
10.	Compost Unit	ICAR, New Delhi	July 2015	02 unit	57670	-	-	Established
11.	Vegetable special unit	ICAR, New Delhi	Feb 2014	01 unit	300000	-	-	Established
12.	Honey bee unit	ATMA	2014	02 No.	-	-	-	Established
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	Fish Pond	ICAR, New Delhi	-	1Unit	70,000	-	-	Established

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	2016-17	6,63,495	26889	Good
New Holland Tractor	2006-07	4,99,502	309.1 Hrs	Good
Bajaj CT 100	2006-07	32551	-	Under repair
Hero Honda Passion Plus	2008-09	50,000	-	Good
John Deer Tractor	2014-15	6,66,705	416.2 Hrs	Good

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
-	-	-	-

1.8. Details of SAC meeting conducted during 2019

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

PART II - DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise
Rainfed Situation	
1	Greengram – Rabi Sorghum
2	Sunflower – Chickpea
3	Greengram – Wheat
4	Cotton – Fallow
5	Fallow – Sorghum
6	Bajra – Bengalgram
7	Foxtail millet
8	Goat, Sheep, Cows and Buffalos rearing
Irrigated Situation	
9	Paddy based cropping system
10	<ul style="list-style-type: none"> • Fruit Crop (Pomegranate, Banana, Mango, Sapota, Citrus & Papaya) based cropping system • Vegetable (Tomato, Chilli & Brinjal) based cropping system
11	Sunflower – Maize – Groundnut
12	Maize– Sunflower – Groundnut
13	Onion – Chilli – Cotton
14	Dairying

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

Sl. No	Agro-climatic Zone	Characteristics
1	Northern Dry Zone of Karnataka, Zone – 3	<ul style="list-style-type: none"> • Very less rainfall (572 mm) and 30-35 rainy days • Medium Black, Deep Black & Red soils, Partly Irrigated (20%) and July & September are peak rainy months • Includes Agricultural crops (Paddy, Sorghum, Maize, Pearl millet, Foxtail millet, Redgram, Greengram, Groundnut, Sunflower Sesame, Bengalgram & Cotton) & Horticulture crops viz., Pomegranate, Mango, Papaya, Sapota, Banana and Vegetables (Onion, Chilli, Brinjal & Tomato etc.)

Sl. No	Agro ecological situation	Characteristics
1	Rainfed (80%)	<ul style="list-style-type: none"> ➤ Medium Black soil (Yelaburga, Kushtagi, Gangavati and Koppal) ➤ Deep black soil (Yelaburga and Koppal)
2	Irrigated (20%)	<ul style="list-style-type: none"> ➤ Red soil (Yelaburga, Kushtagi, Gangavati and Koppal) ➤ Source – TBP Canal, Well, Tank and lift irrigation

2.3 Soil type/s

Sl.No	Soil type	Characteristics	Area in ha
1	Black soils	<ul style="list-style-type: none"> • Possess a characteristically dark color, ranging from dark brown to deep black. They are high in clay content, clay mostly belong to montmorillonitic group and are sticky and plastic when wet. They show strong swelling and shrinkage with changes in moisture content and produce deep and wide cracks. Their limitation for crop production is because of their poor tillage and poor drainage. The black color may be due to presence. • Clay-humus complexes or titaniferous-magnetite compounds. The soils 	40%

		<p>classified as shallow-possessing a depth of 30 cm or less, medium-30 to 100 cm and deep black soils -100 to 200 cm or even more.</p> <ul style="list-style-type: none"> • According to soil taxonomy, the common orders, sub orders and great groups of black soils are as follows. Order – Vertisol& Sub order – Torrerts and Usterts • Great group – Torritorrerts, Ustorrerts, Torriusterts&Ustusterts 	
2	Red soils	<ul style="list-style-type: none"> • Well-drained soils with clay enriched subsoil developed from granite, genesis of schists under subtropical climate. The normal red soils have a pH around neutrality acidic side. The A-horizon is dark reddish brown while B-horizon may have a dark brown color. • The clay minerals become coated with red hematite of yellow limonite forming a reddish-yellow soil. Impure iron, alumina-silica, concretions and quartz are common constituents of red soil. • According to soil taxonomy the common orders, sub orders and great groups of red soils are as follows. Order – Alfisol and Ultisol Sub order – Ustalfs, Ustults, Aqufts • Great group – Haplustalfs, Rhodustalfs, Paleustalfs, Haplustults, Rhodoustults&Ochraqufts 	60%

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

Irrigated

Sl. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Paddy	36667	146301	3990
2	Maize	13316	51267	3850
3	Bajra	1166	1982	1700
4	Redgram	879	1077	1225
5	Sunflower	4714	8250	1750
6	Groundnut	4921	11220	2280
7	Cotton	1568	4234	270

Rainfed

Sl. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Paddy	110	35	315
2	Maize	42479	17629	415
3	Bajra	54973	13743	250
4	M.Millets	4462	1339	300
5	Redgram	24298	8504	350
6	Bengalgram	52498	39374	750
7	Greengram	28843	7211	250
8	Horsegram	5478	1698	310
9	Sunflower	9600	3600	375
10	Groundnut	15164	5307	350
11	Cotton	30	15	5

* Source : Karnataka State Department of Agriculture (KSDA), Koppal

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
Horticulture crops				
1	Fruits	9149.66	194946.2	21.31
2	Vegetables	30697.8	558561	18.20
3	Flower	862	104	0.12
4	Spices	231.38	2382.1	10.30
5	Plantation crops	1042	819	0.79

* Source : * Source: Deputy Director of Horticulture, Koppal

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
Jan-19	3.6	29.35	13.74	68.26
Feb-19	0	33.21	17.14	56.61
Mar-19	0	37.64	19.83	48.17
Apr-19	9.6	39.22	24.60	48.64
May-19	7.6	38.64	24.41	49.76
Jun-19	45.2	34.90	24.43	60.58
Jul-19	41.5	32.19	23.58	67.02
Aug-19	37.9	30.83	23.22	70.32
Sep-19	251.4	29.73	22.80	77.36
Oct-19	160.9	30.58	21.90	90.08
Nov-19	6.1	30.76	17.29	70.6
Dec-19	0	29.16	15.96	71.71

* Source: Agro metrology unit, ARS Gangavathi

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	231865	347797 lit/day	3 lit /day
<i>Indigenous</i>			
Buffalo	63645	53037 lit/day	2.5lit /day
Sheep			
<i>Crossbred</i>	626282	5636 tonnes	18 kg/ adult sheep
<i>Indigenous</i>			
Goats	172941	1729 tonnes	20 kg adult Goat
Pigs	8651	108 tonnes	25 kg/ adult pig
Rabbits	519	1 tonnes	2 kg/ adult rabbit
Poultry			
Hens	3948999	2961 tonnes	1.5 kg/ bird
<i>Desi</i>			
<i>Improved</i>			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
<i>Marine</i>	10 ha.	1500 No./ha.	500 kg/ha./year
<i>Inland</i>			
Prawn			
Scampi			
Shrimp			

* Source: Dept. of Animal Husbandry & Veterinary Services, Koppal

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

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Koppal	Ginigera	Halahalli	One Year	Okra (OFT)	<ul style="list-style-type: none"> ▪ Non availability of high yielding ▪ YVMV tolerant variety 	New and high yielding Okra hybrid
2.	Gangavati	Karatagi	J. Kalgudi, Kesaratti	One Year	Mustard (OFT)	<ul style="list-style-type: none"> ▪ Non availability of suitable varieties of mustard for paddy fallows 	Alternate crop for paddy fallow
3.	Gangavati	Karatagi	Chikkadakanakal, Herur	One Year	Cowpea (OFT)	<ul style="list-style-type: none"> ▪ Low yield ▪ BLB ▪ Pod borer 	New yielding variety
4.	Yelaburga Gangavathi	Bevoor Karatagi	Vataparvi Chikkadankanakal	One year	Poultry (OFT)	<ul style="list-style-type: none"> ▪ High mortality , low body weight gain and low egg production 	New backyard poultry breed introduction
5.	Gangavathi	Marali	Acharnarasapur, Halasamudra, Marali	One Year	Paddy (DSR)	<ul style="list-style-type: none"> ▪ Scarcity of water for tail end farmers ▪ Weed problem ▪ Excess use of fertilizers ▪ Indiscriminate use of pesticides ▪ Labour problem ▪ High COC 	Reduced cost of cultivation and less usage of irrigation water
6.	Kanakagiri, Koppal, Gangavathi	Mangaluru	Budihal, Anawal, Vataparvi, Siriwar, Malligewad	One Year	Paddy (GNV-10-89)	<ul style="list-style-type: none"> ▪ Non Availability of short duration varieties ▪ Low yield ▪ High incidence of blast diseases 	High yielding & short duration variety
7.	Gangavathi	Marali	Marali	One Year	Paddy (GGV-05-01)	<ul style="list-style-type: none"> ▪ Non availability of salt tolerant variety 	Salt tolerant variety
8.	Gangavathi	Navali	Chikkadankanakal	One Year	Paddy (BPH)	<ul style="list-style-type: none"> ▪ Resurgence of BPH in Paddy severity of Blast disease 	IPDM
9.	Yelaburga	Mangaluru	Vataparvi	One year	Maize	<ul style="list-style-type: none"> ▪ Invasive pest 	IPM
10.	Kanakagiri	Siriwar	Yeradona	Two years	Little millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	ICM
11.	Yelaburga, Kanakagiri, Koppal	Kanakagiri, Yelaburga, Venkatagiri	Chikkabommanal, Yeradona, Sirawar, Kanagiri, Agoli	Two years	Foxtail Millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	ICM

12.	Yelaburga, Kanakagiri, Koppal	Kanakagiri, Yelaburga,	Chikkabommanal, Yeradona, Sirawar, Kanakagiri	Two years	Kodo millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties ▪ Lack of awareness about value addition 	ICM and value addition
13.	Gangavathi	Kanakagiri, Karatagi	Adavibavi, Kanakagiri, Sirawar, Malligewad, Yeradona	Two years	Barnyard millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	Crop Production
14.	Kushtagi	Tavaragera	Muddalagundi	One Year	Bengalgram	<ul style="list-style-type: none"> ▪ Farmers not aware of seed treatment with new fungicides 	Disease management
15.	Yelaburga	Mangaluru	Vataparvi	Two Years	Cucurbits	<ul style="list-style-type: none"> ▪ High fruit fly incidence and high cost for management 	IPM
16.	Gangavathi	Gaddi	Vittalapura	1 Year	Cucurbits	<ul style="list-style-type: none"> ▪ Non awareness about use of micronutrient 	Nutrient Management
17.	Gangavathi	Budagumpa	Chikkabenekal, Dasanal	1 Year	Mango	<ul style="list-style-type: none"> ▪ Chemical residue in export quality ▪ Non awareness of bio agents and new technologies 	ICM
18.	Gangavathi	Pura	Kanakagiri	1 Year	Grapes	<ul style="list-style-type: none"> ▪ Improper knowledge about micronutrient application 	Nutrient Management
19.	Yelaburga	Vataparvi	Honnahunashi	One Year	Banana	<ul style="list-style-type: none"> ▪ Non-Awareness about micronutrient application for bunch quality and weight improvement 	Nutrient management
20.	Kushtagi	Tavagera	Muddalagundi	One Year	Tuberose	<ul style="list-style-type: none"> ▪ Cultivation of local variety ▪ Low yield 	High yielding variety
21.	Kushtagi	Tavagera	Muddalagundi	-	Onion	<ul style="list-style-type: none"> ▪ Cultivation of local variety ▪ Low yield 	High yielding variety
22.	Kushtagi	Tavagera	Maddalagundi	One year	Fodder (silage bags)	<ul style="list-style-type: none"> ▪ Scarcity of green fodder during drought 	Fodder conservation
23.	Kushtagi	Tavagera	Maddalagundi	One year	Cattle/Buffalo/sheep and goat	<ul style="list-style-type: none"> ▪ Delayed wound healing process in maggots infested and FMD wounds 	Disease management
24.	Kushtagi	Tavagera	Maddalagundi	One year	Cow	<ul style="list-style-type: none"> ▪ Low conception rate and repeated artificial insemination 	Reproductive management
25.	Kushtagi	Tavagera	Maddalagundi	One year	Sheep & goat	<ul style="list-style-type: none"> ▪ low body growth and prone to deficiency diseases 	Health 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.	Koppal	Koppal	Chikkabommanala	YAMUNAPPA S/O KENCHAPPA DAREGONDAR	160800	86400	74400
2.	Koppal	Koppal	Chikkabommanala	SANGAPPA S/O PAMPANNA WAKRA	56400	58800	-2400
3.	Koppal	Koppal	Chikkabommanala	BHEMAPPA S/OHANUMAPPA DESAI	234000	98400	135600
4.	Koppal	Koppal	Chikkabommanala	PAMPANNA YALGERA S/O SHANKRAPPA	132000	79200	52800
5.	Koppal	Koppal	Chikkabommanala	THIPPANNA S/O YAMANAPPA	132000	86400	45600
6.	Koppal	Koppal	Chikkabommanala	BEERAPPA S/O HAVARAPPA	108000	102000	6000
7.	Koppal	Koppal	Chikkabommanala	ESHAPPA OKKARA S/O SHIVAPPA	126000	85200	40800
8.	Koppal	Koppal	Chikkabommanala	NAGAPPA KODIHAL S/O BARAMAPPA	150000	97200	52800
9.	Koppal	Koppal	Chikkabommanala	HANUMANTHAPPA S/O KANAKAPPA	168000	84000	84000
10.	Koppal	Koppal	Chikkabommanala	BALAPPA S/O HANUMAPPA BIDNA	81600	93600	-12000
11.	Koppal	Koppal	Chikkabommanala	HANUMANTHAPPA S/O KENCHAPPA DAREGOUDAR	72000	85500	-13500
12.	Koppal	Koppal	Chikkabommanala	MAHARUDRAYYA S/O SHIVAYYA HIREMATH	11400	56700	-45300
13.	Koppal	Koppal	Chikkabommanala	NAGAPPA S/O HANUMANTHAPPA KURI	120600	141600	-21000
14.	Koppal	Koppal	Chikkabommanala	SHIVAPPA INGALADAL S/O GIDDAPPA INGALADAL	45000	49500	-4500
15.	Koppal	Koppal	Chikkabommanala	BASAPPA S/O NEELAPPA VANKALAKUNTE	34200	53400	-19200

16.	Koppal	Koppal	Chikkabommanala	SHIVASANGAPPA S/O SHIVAPPA VAKKAR	252000	207600	44400
17.	Koppal	Koppal	Chikkabommanala	NAGAPPA S/O YAMANAPPA MADIVALAR	19800	47400	-27600
18.	Koppal	Koppal	Chikkabommanala	SHANTAVVA W/O YAMANAPPA KOLLI	66000	96000	-30000
19.	Koppal	Koppal	Chikkabommanala	ULIGAMMA WALIKAR W/O UCCHAPPA WALIKAR	99600	98400	1200
20.	Koppal	Koppal	Chikkabommanala	GIDDAPPA S/O DODDAPPA VENKALAKUNTA	66000	80400	-14400
21.	Koppal	Koppal	Chikkabommanala	VIRUPAKSHAPPA S/O MALLESHAPPA	78000	61800	16200
22.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MAHABALESHAPPA S/O JAGADEESHAPPA	42000	78000	-36000
23.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	VEERESHAPPA S/O SHIVAPPA	61200	93600	-32400
24.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MUTTAPPA S/O SHEKARAPPA	300000	78000	222000
25.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	NAGAPPA S/O ERAPPA PAGADADINNI	42000	67200	-25200
26.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	KARIYAPPA S/O CHANNAPPA KURI	84000	42000	42000
27.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	KARIBASAVANAGOUDA S/O BHIMANAGOUDA METRI	48000	99600	-51600
28.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	NAGANAGOUDA S/O PAMPANAGOUDA	36000	83400	-47400
29.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	VIRUPANNA S/O BHAGAPPA SINGANAL	32400	102000	-69600
30.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MAHADEVAMMA METI W/O SAKRAGOUDA	24000	67200	-43200
31.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	SANNA YAMANAPPA S/O BHIMAPPA	132000	110400	21600

32.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	HANUMANTHAPPA S/O NAGAPPA	66000	44400	21600
33.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	YANKOBA S/O CHANNAPPA KURI	48000	20400	27600
34.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	VENKOBA S/O HANUMANTA	24000	57600	-33600
35.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	BASAVARAJ SWAMY S/O SHIVALINGAYYA SWAMY	186000	246000	-60000
36.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MANJUNATH S/O TIMMANNA JEERA	264000	559200	-295200
37.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	KAREGOUDA S/O ESHWARAPPA GOUDA	256800	484800	-228000
38.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	GUDADAPPA S/O SHIVALINGAPPA JEERAL	115200	385200	-270000
39.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	SHARANABASAPPA NAYAK S/O ESHAPPA	72000	159600	-87600
40.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MAHESHWAR GOUDA S/O RAMANA GOUDA	59400	134400	-75000
41.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	NAGABASAVANA GOUDA POLICE PATIL S/O RAMANA GOUDA	60000	136200	-76200
42.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	MARIYAMMA W/O ESHAPPA	186000	145200	40800
43.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	KERE HANUMANTHA S/O VENKOBANNA	399600	759996	-360396
44.	Gangavathi	Navali	Chikkadankankal/ Hiredankanakal	BASAVARAJA GOUDA S/O SHANKAPPA GOUDA	86400	176400	-90000
45.	Kustagi	Tavagera	Muddalagundi	UDASGOUDA S/O PAMPANAGOUDA	64200	310200	-246000
46.	Kustagi	Tavagera	Muddalagundi	PAMPAPATI S/O DEVAREDDAPPA HOSALLI	246000	223800	22200

47.	Kustagi	Tavagera	Muddalagundi	DODDANAGOUDA S/O SHARANAPPAGOUDA	87600	80400	7200
48.	Kustagi	Tavagera	Muddalagundi	SHEKARAPPA S/O HAMPAPPA HOSALLI	84000	96000	-12000
49.	Kustagi	Tavagera	Muddalagundi	RAJASHEKARAYYA S/O SHIVAPUTRAYYA HIREMATH	216000	710400	-494400
50.	Kustagi	Tavagera	Muddalagundi	SHEKARGOUDA S/O VIRUPAKSHGOUDA MALIPATIL	282000	619200	-337200
51.	Kustagi	Tavagera	Muddalagundi	NAGAPPA S/O TIPPANNA	132000	128400	3600
52.	Kustagi	Tavagera	Muddalagundi	AMARAPPA S/O NAGAPPA	78000	122400	-44400
53.	Kustagi	Tavagera	Muddalagundi	DESAYAPPA S/O RAMAPPA DASAR	1540800	92400	1448400
54.	Kustagi	Tavagera	Muddalagundi	NAGAPPA S/O BHIMAPPA KELLUR	102000	80400	21600
55.	Kustagi	Tavagera	Muddalagundi	SHARANAPPA S/O HANUMAGOUDA	178800	81600	97200
56.	Kustagi	Tavagera	Muddalagundi	HANUMAPPA S/O GOUDAPPA	99600	86400	13200
57.	Kustagi	Tavagera	Muddalagundi	DODDAPPA S/O YANKAPPA KELLURU	88800	44400	44400
58.	Kustagi	Tavagera	Muddalagundi	BHIRAPPA S/O GYANAPPA	238800	122400	116400
59.	Kustagi	Tavagera	Muddalagundi	AYYANAGOUDA S/O DEVAREDDAPPA	316800	128400	188400
60.	Kustagi	Tavagera	Muddalagundi	KUDLEPPA GURIKAR S/O BHIMAPPA	166800	93600	73200
61.	Kustagi	Tavagera	Muddalagundi	AMAREGOUDA S/O SHEKARAGOUDA CHAGABAVI	124800	123600	1200
62.	Kustagi	Tavagera	Muddalagundi	ERAMMA W/O NAGAPPA CHAGABAVI	135600	102000	33600
63.	Kustagi	Tavagera	Muddalagundi	NAGANAGOUDA S/O HAMPANAGOUDA MALIPATIL	118800	92400	26400

64.	Kustagi	Tavagera	Muddalagundi	GURURAJ S/O BINDURAO	228000	254400	-26400
65.	Kustagi	Tavagera	Muddalagundi	DODDANAGOUDA S/O HAMPANAGOUDA	118800	156000	-37200

2.10 Priority thrust areas

S. No	Thrust area
1	Integrated Crop Management
2	Integrated Disease management
3	Integrated Pest Management
4	Integrated Nutrient Management
5	Varietal evaluation
6	Variety demonstration
7	Demonstration of disease resistant high yielding hybrid
8	Drudgery reduction
9	Mushroom production
10	Hybrid Evaluation
11	Crop Diversification
12	Processing and value addition
13	Water management
14	Reproductive management
15	Health management
16	Marketing linkage

PART III - TECHNICAL ACHIEVEMENTS (2019)

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
4	4	20	20	22	22	127	127

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes(No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
166	166	7391	7391	394	394	5984	5984

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
620 bulk	620 bulk	1323	1323

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
1955 litre	1955 litre	69.98	69.98

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.	New and high yielding Okra hybrid	Okra	<ul style="list-style-type: none"> Non availability of high yielding YVMV tolerant variety 	Assessment of hybrid in Okra	-	1	-	-	2	0.06	-	-	-	-
2.	Alternate crop for paddy fallow	Mustard	<ul style="list-style-type: none"> Non availability of suitable varieties of mustard for paddy fallows 	Assessment of new Mustard varieties for paddy fallows	-	1	-	-	1	-	-	-	-	-
3.	New yielding variety	Cowpea	<ul style="list-style-type: none"> Low yield BLB Pod borer 	Assessment of new Cowpea varieties	-	1	-	-	1	-	-	-	-	-
4.	New backyard poultry breed introduction	Poultry	<p>High mortality, low body weight gain and low egg production</p> <ul style="list-style-type: none"> 	Assessment of the performance of Aseel and Khadaknath birds under backyard conditions	-	2	-	-	2	-	-	Aseel birds-10 Kadakanath birds-10 Per trial (5 trials)	-	-
5.	Reduced cost of cultivation and less usage of irrigation water	Paddy	<ul style="list-style-type: none"> Scarcity of water for tail end farmers Weed problem Excess use of fertilizers Indiscriminate use of pesticides Labour problem High COC 	-	Demonstration of Direct Seeded Rice	2	1	-	8	2.5	-	-	-	-

6.	High yielding & short duration variety	Paddy	<ul style="list-style-type: none"> ▪ Non Availability of short duration varieties ▪ Low yield ▪ High incidence of blast diseases 	-	Demonstration of Paddy new variety GNV-10-89	2	-	-	6	2.5	-	-	-	-
7.	Salt tolerant variety	Paddy	<ul style="list-style-type: none"> ▪ Non availability of salt tolerant variety 	-	Demonstration of salt tolerant variety GGV-05-01 in Paddy	2	-	-	5	2.5	-	-	-	-
8.	IPDM	Paddy	<ul style="list-style-type: none"> ▪ Resurgence of BPH in Paddy severity of Blast disease 	-	Demonstration of IPDM in Paddy	1	-	-	4	1.25	-	-	-	5
9.	IPM	Maize	<ul style="list-style-type: none"> ▪ Invasive pest 	-	Management of fall armyworm in Maize	2	-	-	4	-	-	-	100	-
10.	ICM	Little millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	-	Demonstration of High Yielding Little millet Variety DHLM 36-3	1	-	-	2	0.4	-	-	-	-
11.	ICM	Foxtail Millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	-	Demonstration of Foxtail millet new variety HN-46	1	-	-	3	0.4	-	-	-	-
12.	ICM and value addition	Kodo millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties ▪ Lack of awareness about value addition 	-	Demonstration of High Yielding Kodo millet Variety RK-390-25 and value addition	1	-	-	2	0.4	-	-	-	-
13.	Crop Production	Barnyard millet	<ul style="list-style-type: none"> ▪ Non awareness about high yielding varieties 	-	Demonstration of High Yielding Barnyard millet Variety DIBM 93-3	1	-	-	4	0.3	-	-	-	-

14.	Disease management	Bengalgram	<ul style="list-style-type: none"> Farmers not aware of seed treatment with new fungicides 	-	Management of dry root rot and wilt complex in Bengalgram	2	-	-	5	-	-	-	-	5
15.	IPM	Cucurbits	<ul style="list-style-type: none"> High fruit fly incidence and high cost for management 	-	Demonstration of Plant volatile based attractant to manage fruit flies in Cucurbits	1	-	-	3	-	-	-	50	-
16.	Nutrient Management	Cucurbits	<ul style="list-style-type: none"> Non awareness about use of micronutrient 	-	Micronutrient management in Cucurbits	1	-	-	1	-	-	-	-	-
17.	Nutrient Management	Grapes	<ul style="list-style-type: none"> Improper knowledge about micronutrient application 	-	Micronutrient management in Grape	1	-	-	1	-	-	-	-	-
18.	ICM	Mango	<ul style="list-style-type: none"> Chemical residue in export quality Non awareness of bio agents and new technologies 	-	ICM in Mango	1	-	-	1	-	-	-	-	10 Kg
19.	Nutrient Management	Grape	<ul style="list-style-type: none"> Improper knowledge about micronutrient application 	-	Micronutrient management in Grape	-	-	-	1	-	-	-	-	-
20.	Nutrient management	Banana	<ul style="list-style-type: none"> Non-Awareness about micronutrient application for bunch quality and weight improvement 	-	Demonstration of Banana bunch quality and weight improvement	2	-	-	4	-	-	-	-	-

21.	High yielding variety	Tuberose	<ul style="list-style-type: none"> ▪ Cultivation of local variety ▪ Low yield 	-	Demonstration of Tuberose variety ArkaPrajwal	1	-	-	2	-	240 Kg	-	-	-
22.	High yielding variety	Onion	<ul style="list-style-type: none"> • Cultivation of local variety ▪ Low yield 	-	Demonstration of high yielding onion variety Bhima Dark Red	-	-	-	-	-	-	-	-	-
23.	Fodder conservation	Fodder	<ul style="list-style-type: none"> • Scarcity of green fodder during drought 	-	Demonstration on usage of silage bags	2	-	-	5	-	-	Silage bags-1 ton capacity	-	-
24.	Nano cream for fast recovery from chronic wound	Cattle/Buffalo/sheep and goat	<ul style="list-style-type: none"> • Delayed wound healing process in maggots infested and FMD wounds 	-	Demonstration of “Nano Heal Cream” for wound treatment in Ruminants	1	-	-	-	-	-	Nano cream - 100g(2 per trial)	-	-
25.	Regular oestrous cycling	Cow	<ul style="list-style-type: none"> • Low conception rate and repeated artificial insemination 	-	Demonstration of “Impregnated Nanofibers” for induction of Oestrus in repeat breeding Cows/ Buffaloes	2	-	-	2	-	-	Pro-synch (one per trial)	-	-
26.	Better health Management	Sheep & goat	<ul style="list-style-type: none"> • low body growth and prone to deficiency diseases 	-	Demonstration of species specific mineral mixture for Small ruminants	1	-	-	1	-	-	‘Shipmin’ species specific mineral mixture (6kg per trial)	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Extension Activities)
1	2	3	4	5	6	7	8
1.	Assessment of hybrid in Okra	IIHR Bengaluru	Okra	1		1	2
2.	Assessment of new Mustard varieties for paddy fallows	IARI, New Dehli	Mustard	1	-	1	2
3.	Assessment of new Cowpea varieties	UAS, Dharwad	Cowpea	1	-	1	2
4.	Assessment of the performance of Aseel and Khadaknath birds under backyard conditions	NDVSVU Jabalpur(MP)	Poultry	1	-	2	2
5.	Demonstration of Direct Seeded Rice	UAS, Dharwad & Raichur	Paddy	-	1	3	8
6.	Demonstration of Paddy new variety GNV-10-89	UAS Raichur	Paddy	-	1	2	6
7.	Demonstration of salt tolerant variety GGV-05-01 in Paddy	UAS Raichur	Paddy	-	1	2	5
8.	Demonstration of IPDM in Paddy	UAS Raichur	Paddy	-	1	1	4
9.	Management of fall armyworm in Maize	UAS Raichur	Maize	-	1	2	4
10.	Demonstration of High Yielding Little millet Variety DHLM 36-3	UAS, Dharwad	Little millet	-	1	1	2
11.	Demonstration of Foxtail millet new variety HN-46	UAS Raichur	Foxtail Millet	-	1	1	3
12.	Demonstration of High Yielding Kodo millet Variety RK-390-25 and value addition	JNKVV Rewa Jabalpur	Kodo millet	-	1	1	2
13.	Demonstration of High Yielding Barnyard millet Variety DHBM 93-3	UAS, Dharwad	Barnyard millet	-	1	1	4
14.	Management of dry root rot and wilt complex in Bengalgram	UAS, Raichur	Bengalgram	-	1	2	5
15.	Demonstration of Plant volatile based attractant to manage fruit flies in Cucurbits	NBAIR	Cucurbits	-	1	1	3
16.	Micronutrient management in Cucurbits	IIHR, Bengaluru	Cucurbits	-	1	1	1
17.	Micronutrient management in Grape	IIHR, Bengaluru	Grapes	-	1	1	1
18.	ICM in Mango	IIHR, Bengaluru	Mango	-	1	1	2
19.	Micronutrient management in Grape	IIHR, Bengaluru	Grape	-	1	-	1
20.	Demonstration of Banana bunch quality and weight improvement	UHS, Bagalkot	Banana	-	1	-	4

Fodder (silage bags)	-	-	-	-	2	-	3	-	18	-	2	-	15	-	5	-
Cattle/Buffalo/sheep and goat	-	-	-	-	8	-	2	-	18	-	3	-	13	-	8	-
Cow	-	-	-	-	12	-	8	-	15	-	8	-	16	-	9	-
Sheep & goat	-	-	-	-	3	-	2	-	25	-	12	-	11	-	10	-

Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	1	-	-	-	1
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	1	-	-	-	1

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	Mustard	Assessment of new Mustard varieties for paddy fallows	5	5	1 ha
	Cowpea	Assessment of new Cowpea varieties	5	5	1 ha
	Okra	Assessment of hybrid in Okra	3	3	1.2 ha
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	13	13	3.2

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

4.B.3. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	Poultry	Assessment of the performance of Aseel and Khadaknath birds under backyard conditions	5	5
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total			5	5

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

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

4.C1.Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield (q/ha)	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any	
1	2	3	4	5	6	7	8	9	10	11	12	13	
Mustard	Irrigated	Non availability of suitable varieties of mustard for paddy fallows	Assessment of new Mustard varieties for paddy fallows	5									
					TO1: Local Var.	Farmers practice	4.84	q/ ha	-	-	9040	2.14	-
					TO2: -	-	-	-	-	-	-	-	-
					TO3:NRCHB-101 Var.	DORMR, Bharatpur Rajasthan	6.35	q/ ha	-	-	13725	2.62	-
					TO4:Pusa Mustard - 30 Var.	IARI, New Dehli	5.60	q/ ha	-	-	11100	2.30	-
Cowpea	Irrigated	<ul style="list-style-type: none"> ▪ Low yield ▪ BLB ▪ Pod borer 	Assessment of new Cowpea varieties	5					Haulium/ yield	No. of Pods/ plant			
					TO1: C-152 Var.	Farmers practice	9.00	q/ ha	21.5	13.5	15650	1.57	-
					TO2: -	-	-	-	-	-	-	-	-
					TO3:IT-38956-1Var.	UAS, Bengaluru	10.50	q/ ha	22.5	13.9	23050	1.84	-
					TO4: DC-15Var.	UAS, Dharwad	11.30	q/ ha	23.0	14.6	26950	1.98	-
Okra	Irrigated	Non availability of high yielding and YVMV tolerant variety	Assessment of hybrid in Okra	3					% YVMB	No. fruits/ plant			
					TO1: local variety	Farmers practice	1790	q/ ha	23.27	23.23	233412	4.44	More hair like structure on the fruit
					TO2: CoBH4	TNAU, Coimbatore	1902	q/ ha	18.03	24.57	265195	5.03	More hair like structure on the fruit
					TO3: ArkaNikhita	IIHR Bengaluru	1970	q/ ha	17.67	28.40	282847	5.22	No hair like structure on the fruit

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

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

Assessment of new Mustard varieties for paddy fallows

Grain yield of NRCHB-101 Var. was higher
 NRCHB-101 Var. was performed better
 Alternate cropping system in paddy
 Short duration and disease resistant variety

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

Assessment of new Cowpea varieties

Grain yield of DC-15 var. was higher than C-152 Var.3
 DC-15 var. was performed better than IT-38956-1 Var. and C-152 Var
 Higher yield of DC-15 var. will fetch the good market price
 Short duration and high yielding variety

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

Assessment of hybrid in Okra

Both the hybrids yielded more than the farmers practice
 No wound farming on hands during harvesting ArkaNikhitha Okra fruits
 Both the hybrids yielded on par
 More number of hairs like structure was made difficult to harvest CoBH4 Okra fruits

4.D1. Results of Technologies Refined

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

4.D.2. Details of Technologies refined:

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

PART V - FRONTLINE DEMONSTRATIONS (2019)

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/S T	Others	Small/ Marginal	Others
	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pulses													
		Irrigated/ Rainfed	Rabi	Bengalgram	Local	-	Disease management	Management of dry root rot and wilt complex in Bengalgram	2	2	-	5	3	2
	Cereals													
		Irrigated	Kharif	Paddy	Kaveri Sona	-	Reduced cost of cultivation and less usage of water	Demonstration of Direct Seeded Rice	4	4	2	8	7	3
		Irrigated	Kharif	Paddy	GNV-10-89	-	High yielding and short duration variety	Demonstration of Paddy new variety GNV-10-89	4	4	-	10	8	2
		Irrigated	Kharif	Paddy	GGV-05-01	-	Salt tolerant variety	Demonstration of salt tolerant variety GGV-05-01 in Paddy	4	4	3	7	8	2
		Irrigated	Kharif	Paddy	RP BIO-226	-	Resurgence of BPH in Paddy severity of Blast disease	Demonstration of IPDM in Paddy	5	5	3	2	5	-
		Irrigated	Kharif/ Rabi	Maize	Local variety	-	Invasive pest	Management of fall armyworm in Maize	4	4	4	6	10	-
	Millets													
		Rainfed	Kharif	Little millet	DHLM 36-3	-	ICM	Demonstration of High	4	4	2	8	10	-

								Yielding Little millet Variety DHLM 36-3							
		Rainfed	Kharif	Foxtail Millet	HN-46	-	ICM	Demonstration of Foxtail millet new variety HN-46	4	4	2	8	10	-	
		Rainfed/Irrigated	Kharif	Kodo millet	RK-390-25	-	ICM and value addition	Demonstration of High Yielding Kodo millet Variety RK-390-25 and value addition	4	4	3	7	10	-	
		Rainfed	Kharif	Barnyard millet	DHBM 93-3	-	Crop production	Demonstration of High Yielding Barnyard Millet Variety	4	4	-	10	10	-	
	Vegetables														
		Irrigated	Kharif/Rabi	Cucurbits	-	Private	IPM	Demonstration of Plant volatile based attractant to manage fruit flies in Cucurbits	2	2	3	2	5	-	
		Irrigation	Kharif/Rabi	Cucurbits	-	Private	Nutrient Management	Micronutrient management in Cucurbits	4	3.2	-	8	8	-	
		Irrigation	Kharif	Onion	Bhima Dark Red	-	High yielding variety	Demonstration of high yielding onion variety Bhima Dark Red	2	2	-	-	-	-	
	Flowers														
		Irrigation	Rabi/Summer	Tuberose	ArkaPrajwal	-	High yielding variety	Demonstration of Tuberose variety ArkaPrajwal	1.2	1.2	-	3	3	-	
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fruit														
		Irrigation	Rabi/Summer	Grapes	Thomson seedless	-	Nutrient Management	Micronutrient management in Grape	2	2	2	3	3	2	

		Dry land	Rabi	Mango	Baneshan	-	ICM	ICM in Mango	4	4	-	10	2	8
		Irrigation	Rabi/Summer	Grape	Thomson seedless		Nutrient Management	Micronutrient management in Grape	2	1.2	1	2	2	1
		Irrigation	Khari/Rabi	Banana	G9	-	Nutrient management	Demonstration of Banana bunch quality and weight improvement	2	1.2	-	3	2	1
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder													
		-	-	Fodder	-	-	-	Demonstration on usage of silage bags	5 Demo	-	3	2	5	-
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dairy													
		-	-	Cattle/ Buffalo/ sheep and goat	-	-	Disease management	Demonstration of "Nano Heal Cream" for wound treatment in Ruminants	20 Demo	-	2	8	10	-
		-	-	Cow	-	-		Demonstration of "Impregnated Nanofibers" for induction of Oestrus in repeat breeding Cows/	10 Demo	-	8	12	20	-

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of check (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cereals	Demonstration of Direct Seeded Rice	Kaveri Sona	-	Irrigated	10	4	80.5	71.75	76.65	75.25	1.86	122640	94965	4.45	120400	72825	2.53
	Demonstration of Paddy new variety GNV-10-89	GNV-10-89	-	Irrigated	10	4	87.5	82.25	85.05	73.18	16.47	120771	83996	3.28	118554.5	70532	2.47
	Demonstration of salt tolerant variety GGV-05-01 in Paddy	GGV-05-01	-	Irrigated	10	4	87.5	82.25	84.87	72.28	17.43	120523	83923	3.29	117086	68936	2.43
	Demonstration of IPDM in Paddy	RP BIO-226	-	Irrigated	5	2	75.00	71.00	72.60	73.0	-0.55	116160	74962	2.81	116800	64632	2.23
	Management of fall armyworm in Maize	Local variety	-	Irrigated	10	4	57.5	45.0	51.25	47.50	7.89	97375	68625	3.38	91409	55909	2.57
Millets	Barnyard millet	DHBM 93-3	-	Rainfed	10	4	15.0	8.0	12.43	10.48	18.62	37275	24175	2.85	31425	18700	2.47
	Demonstration of High Yielding Little millet Variety DHLM 36-3	DHLM 36-3	-	Rainfed	10	4	7.2	4.0	7.0	4.5	35.71	19600	8100	1.70	12600	2500	1.18
	Demonstration of Foxtail millet new variety HN-46	HN-46	-	Rainfed	10	4	23.5	14.75	23.0	15.0	34.78	59800	44000	3.7	39600	23600	2.47

Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

** BCR= GROSS RETURN/GROSS COST

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

*** Continued FLD:**

Demonstration of High Yielding Kodo millet Variety RK-390-25 and value addition

Stage: Processing and value addition demonstration going on

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

Title of the Technology	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	Demo	Check
Demonstration of Direct Seeded Rice	Cost saving (Rs. /ha)	10000-12000	-
	Straw yield (t/ha)	8.67	8.24
Demonstration of Paddy new variety GNV-10-89	Days to 50% flowering	87	110
	Panicle length (cm)	23.5	21
	Days to maturity (Days)	120	145
Demonstration of salt tolerant variety GGV-05-01 in Paddy	Days to 50% flowering	100	110
	Days to maturity (Days)	135	145
IPDM in Paddy	PDI (BLB)	5.60	21.62
	BPH/ hill	8.13	5.62
	Spider/ hill	1.21	0.60
	Coccinellids/ hill	0.87	0.21
Management of fall armyworm in Maize	Larve/ plant	0.37	1.17
	% Plant damage	8.60	23.33
	% Cob damage	0.48	1.60
Demonstration of High Yielding Kodo millet Variety RK-390-25 and value addition	Plant Height (in cm)	66.5	60.5
	No. of Tillers/ Plant	25.0	16.0
Demonstration of Foxtail millet new variety HN-46	Straw yield (q/ha)	42.0	38.0
Introduction of High Yielding Little millet Variety DHLM 36-3	Straw yield (q/ha)	6.0	4.5
Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	% Fruits damage	5.86	18.29
	Average fruitflies/ trap	52.0	-
ICM in Mango	Leaf Hoppers/ panicle	2.82	4.16
	Average 5 fruits weight (gm)	410	380
Micronutrient management in Grape	Average weight of bunch (g)	600.0	515.6
Demonstration of Banana bunch grade and weight improvement	Average weight of bunch (Kg)-G9	35.8	33.05
	Average weight of Hand (Kg)- G9	5.09	4.77
	Average weight of bunch (Kg)-Yelakki	11.3	9.5
	Average weight of Hand (Kg) -Yelakki	1.57	1.38

5.B.2. 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)			Check if any	% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
						Demo					Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat																
	Demonstration of species specific mineral mixture for small ruminants in intensive system of rearing	Local sheep/Goat	05	50	Weight gain (in kgs)	34.50	27.00	30.00	28.5	8.55	9000	4660	2.07	9000	2310	1.34
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

** BCR= GROSS RETURN/GROSS COST

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

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

5.B.3. Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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

5.B.4. Other enterprises

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

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Other Enterprises

Kitchen Garden

Name of the Demonstration	Source	Season	Name of the DFI Village	No. Beneficiaries	Extension Activities	Critical inputs provided/ Family	Stage
Kitchen Garden	UAS Bengaluru	Rabi	Chikkadankanakal Vataparvi	30 Families	Trainings Method demonstration	<ul style="list-style-type: none"> Nutri garden seed kit- 2 Nos Planting materials- 6 No Bio-fertilisers-250g 	Laying and sowing is completed

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

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

5.B.5. Farm implements and machinery

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

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

** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than laboursaved (viz., reduction in drudgery, time etc.)

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

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	2	120	
2	Farmers Training	27	615	
3	Media coverage	12	-	
4	Training for extension functionaries	-	-	
5	Others (Please specify)			

Okra															
Onion															
Potato															
Field bean															
Others (pl.specify)															
Total															
Commercial crops															
Sugarcane															
Coconut															
Fodder crops															
Maize (Fodder)															
Sorghum (Fodder)															
Others (pl.specify)															
Total															

H-High L-Low, A-Average

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

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	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	1	18	2	20	5	2	7	23	4	27
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	51	12	63	18	3	21	69	15	84
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	1	23	2	25	6	2	8	29	4	33
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	10	120	50	170	80	30	110	200	80	280
Poultry Management	3	60	20	80	40	25	65	100	45	145
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	5	110	30	140	65	35	100	175	65	240
Animal Disease Management	8	310	75	385	90	25	115	695	100	795
Feed and Fodder technology	3	75	30	105	25	15	40	100	45	145

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Pest Management	1	18	2	20	5	1	6	23	3	26
Integrated Disease Management	1	21	1	22	4	1	5	25	2	27
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	1	23	5	28	6	3	9	29	8	37

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	2	11	35	46	5	9	14	16	44	60
Apiculture	1	23	5	28	4	2	6	27	7	34
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	1	21	2	23	5	1	6	26	3	29
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	1	23	8	31	6	2	8	29	10	39
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	66	1413	488	1901	495	233	728	2203	721	2928

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	5	57	62	1	12	13	6	69	75
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	1	-	33	33	-	2	2	-	35	35
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	2	8	37	45	3	15	18	11	52	63
Women empowerment	2	-	72	72	-	12	12	-	84	84
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	8	237	26	263	35	17	42	272	43	305

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 fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	1	17	1	18	6	1	7	23	2	25
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	1	8	35	43	2	6	8	10	41	51
Apiculture	1	32	3	35	8	2	10	40	5	45
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	72	1510	622	2132	432	260	602	1941	892	2823

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	1	21	2	23	5	1	6	26	3	29
Seed production	1	2	-	20	5	-	5	25	-	25
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	1	18	4	22	6	2	8	24	6	30
Mushroom Production	1	12	22	34	2	1	3	14	23	37
Bee-keeping	1	22	2	24	5	-	5	27	2	29
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	2	25	20	45	25	15	40	70	35	105
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	3	90	15	105	30	15	45	120	30	150

Ornamental fisheries										
Composite fish culture	1	18	5	23	22	10	32	40	15	55
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	11	208	70	296	100	44	144	346	114	460

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)	-	-	-	-	-	-	-	-	-	-
TOTAL	10	123	324	437	74	84	158	197	408	605

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
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	3	110	40	150	65	23	88	175	63	238
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	3	110	40	150	65	23	88	175	63	238

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	2	93	16	109	23	5	28	116	21	137
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	2	90	25	115	60	25	85	150	50	200
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	4	183	41	224	83	30	113	266	71	337

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants										
			General			SC/ST			Grand Total				
			Male	Female	Total	Male	Female	Total	Male	Female	Total		
1	Crop production and management												
1.a.	Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial production of vegetables	2	36	-	36	14	-	14	50	-	50		
2	Production and value addition												
2.a.	Fruit Plants	6	139	-	139	11	-	11	150	-	150		
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-		
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-		
3.	Soil health and fertility management	10	442	27	469	64	20	84	506	47	553		
4	Production of Inputs at site	-	-	-	-	-	-	-	-	-	-		
5	Methods of protective cultivation	-	-	-	-	-	-	-	-	-	-		
6	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
7	Post harvest technology and value addition												
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-		
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
8	Farm machinery												
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-		
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
9.	Livestock and fisheries												
10	Livestock production and management												
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-		
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-		
10.c.	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-		
10.d.	Fisheries Management	-	-	-	-	-	-	-	-	-	-		
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
11.	Home Science												
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-		
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-		
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-		
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
12	Agricultural Extension												
12.a.	CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-		
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-		
	Total	18	617	27	644	89	20	109	706	47	753		

Details of sponsoring agencies involved

1.Sujala III

2. Department of Horticulture

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

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

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

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	Mushroom Grower	11.02.2019	11.03.2019	20	09	09	18	-	02	02	09	11	20	13.04.2019	20
2.	Vermicompost producer	11.02.2019	11.03.2019	20	15	05	20	-	-	-	15	05	20	16.04.2019	20

PART VIII – EXTENSION ACTIVITIES(2019)**8.1. Extension Programmes (including extension activities undertaken in FLD programmes)**

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	9	502	36	538	95	22	117	45	18	63
KisanMela	4	-	-	-	-	-	-	-	-	-
KisanGhosthi	2	32	4	36	7	2	9	7	4	11
Exhibition	3	156	33	189	25	17	42	35	16	51
Film Show	8	70	10	80	05	03	08	05	02	07
Method Demonstrations	15	133	63	199	52	45	97	32	30	62
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	12	97	18	115	26	15	41	26	24	50
Lectures delivered as resource persons	67	-	-	-	-	-	-	-	-	-
Newspaper coverage	73	-	-	-	-	-	-	-	-	-
Radio talks	12	-	-	-	-	-	-	-	-	-
TV talks	8	-	-	-	-	-	-	-	-	-
Popular articles	15	-	-	-	-	-	-	-	-	-
Extension Literature	16	-	-	-	-	-	-	-	-	-
Advisory Services	-	850	80	930	90	30	120	-	-	-
Scientific visit to farmers field	115	87	8	95	18	2	20	-	-	-
Farmers visit to KVK	-	625	32	657	108	15	123			
Diagnostic visits	10	8	2	10	-	-	-	60	10	70
Exposure visits	2	24	14	38	-	2	2	2	1	3
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	3	80	30	110	20	30	50	15	5	20
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	3		65	65		18	18		6	6
MahilaMandals Conveners meetings	2		48	48		14	14		4	4
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Total	379	2665	443	3111	446	215	661	227	120	347

8.2 Special Extension Programmes

Nature of Extension Programme	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Jal Shakti Abhiyan	24-8-2019	31	28	59	6	2	8	3	2	5
	26-8-2019	25	26	51	5	2	7	3	2	5
	27-8-2019	33	32	65	4	2	6	3	2	5
Live webcast of PM programme on FMD	11-9-2019	45	5	50	3		3	10	2	12
Tree Plantation Campaign	17-9-2019	43	2	45	8	4	12	8	5	13
Any other, Pl. specify										
Sujala3 Programme	12-1-2019	58	4	62	4	1	5	3	1	4
	17-1-2019	55	6	61	3	1	4	3	1	4
	19-1-2019	51	5	56	6	2	8	3	1	4
Webcast of inauguration of PM KisanSammanNidhiScheme	24-2-2019	73	25	98	8	6	14	12	3	15
Yoga Day	21-6-2019							6	5	11
LRI Training programme	06-9-2019	46	5	51	7	4	11	3	2	5
	16-9-2019	48	4	52	10	3	13	3	2	5
	20-9-2019	45	4	49	8	3	11	3	2	5
	25-9-2019	43	6	49	7	2	9	3	2	5
	26-9-2019	46	8	54	7	1	8	3	2	5
	30-9-2019	44	7	51	7	3	10	3	2	5
	1-10-2019	42	5	47	6	3	9	3	2	5
Swatchata hi sevaprogramme	2-10-2019	14	12	26	5	2	7	2	2	4
Women Farmers Day	15-10-2019	-	56	56	-	8	8	6	6	12
World Food Day	16-10-2019	27	10	37	6		6	8	4	12
Live Central Agril. Minister on Fertilizer Use Awareness programme	22-10-2019	45	4	49	6		6	8	4	12
Fertilizer awernessprogramme	10.10.2019	35	4	39	4	3	7	4	-	4
SwatchataPakwada	16-12-2019	31	5	36				10	6	16
	17-12-2019	-	-	-	-	-	-	8	1	9
	18-12-2019	-	-	-	-	-	-	5	5	11
	19-12-2019	-	-	-	-	-	-	3	5	8
	19-12-2019	8	2	10	-	-	-	3	1	4
	20-12-2019	12	3	15	-	-	-	5	2	7
	21-12-2019	3	4	7	-	-	-	2	1	3
SwatchataAbhiyana	27-12-2019	65	15	80	15	5	20	2	1	3
	28-12-2019	48	6	54	4	2		5	3	8
Farmers day	23-12-2019	35	15	50	4	7	11	6	4	10
World soil day	05-12-2019	27	20	47	6	-	6	8	6	14
TOTAL		1078	328	1406	149	66	209	160	89	250

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

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy	GGV-05-01		620 bulk	-	-
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total				620 bulk	-	-

9.B. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial						
Vegetable seedlings	Drumstick	Bhagya	-	3	30	1
Fruits	Lime	Kagzi	-	1015	10150	15
	Sapota	Kalipatti	-	70	2800	3
Ornamental plants	Nandi battalu	-	-	12	300	1
	Jasmine	-	-	17	425	1
	Ornamental cherry	-	-	68	1010	1
	Ashoka	-	-	12	120	1
	Kanagale	-	-	1	25	1
	Ornamental Badam	-	-	64	640	1
	Hibiscus			12	300	1
	Button rose			10	100	1
	Tree jasmine			1	20	1
	Rose			1	25	1

Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	Curry leaves	Suvasini	-	30	300	1
Tuber	Tuberose	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	Neem	-	-	5	25	1
	Silver Oak	-	-	2	20	1
Others(specify)	-	-	-	-	-	-
Total		-	-	1323	16290	32

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify) Vegetable Special	Micronutrient Mixture	16.36	245400	70
Organic manure	Vermicompost	53.47	32084	13
	Earthworms	0.15	5250	5
Total		69.98	282734	88

9.D. Production of livestock

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Milk	Milk yield	1955Litre	58650	-
Poultry				

Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total		1955 Litre	58650	

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

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

(A) KVK Newsletter:

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

(B) Literature developed/published

Item	Number
Research papers- International	1
Research papers- National	4
Technical reports	-
Technical bulletins	-
Popular articles - English	-
Popular articles – Local language	7
Extension literature	17
Others (Pl. specify)	-
TOTAL	29

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD	-	-
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	ICAR-KVK Gangavathi (Koppal)	Official WhatsApp group for Staff
		RaithanamitraYerehulu	Vermicompost Farmers
		KoliSakanike	Poultry Farmers
		Scientific dairy farming	Dairy Farmers
		Sheep & Goat Farming	Sheep & Goat Rearing Farmers
		Annadata	Agricultural Farmers
4	Facebook account name	ICAR-KrishiVigyan Kendra Gangavathi-Koppal	https://www.facebook.com/kvkgangavathi
5	Instagram account name	KVK Gangavathi	https://www.instagram.com/kvkgangavathi/

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

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

The Broad outline for the case study may be

1. Title: Successful Agri+Horti+Silviculture Farmer : Veeranagowda Kulkarni

Background:

Name and address: VeeranagowdaKulkarni,

Malkanamaradi, Gangavathi

Mobile number: 9480145737

Age: 60

Educational qualification: PUC

Land holding : 20.25 Acre

Farming experience : 40 years

Horticulture crop: Banana, Arecanut, Guava, Lemon, Custard apple

Forest Species: Sandal, Red sandal, Sliver oak

Problems:

- Uneven distribution, erratic and scanty rainfall
- Fluctuation in market price and lack of marketing avenues
- Low income and poor socio-economic status

Challenges:

- Growing of Horticulture crops
- Integrated farming system (IFS)
- Organic farming
- Forestry
- Dairy Farming
- Solar pump set for irrigation

Interventions:

- Cultivation of banana as ratoon crop since 18 years
- Multi-storied cropping system (Coconut, curry leaf, Lemon, Sapota, Guava, Mango and Drumstick)
- Forest species cultivation (Sandal, Red Sandal, Sliver Oak and Teak)
- Dairy Farming



Field view of Sandal and Red Sandal



Field view of Curry leaf plants



Field view of Arecanut intercrop with Banana



Apiculture



Solar Pump set for irrigation



Banana (18 years Ratooning)



Dairy farming

Impact:**Practical utility**

- Low input cost
- Soil fertility improvement
- Increased productivity and quality of the produce
- Premium market price
- Livelihood security and good socio economic status

Income:

Particulars	Income
3 acres: Banana (G-9)	Rs. 96,000-1,10,000/year
3 acres: Coconut+Curryleaf+Lemon	Rs.2,00,000/year
3 acres: Sapota+Guva+Lemon	Rs.78,000/year
3 acres: Drumstick+Mango	Rs.3,00,000/year
Apiculture	Rs.20,000/year
Dairy	Rs.2.00.000/year
Total annual income	Rs. 9-10 lakhs

2. Title: Successful Agri+Horti+Silviculture Farmer : Meka Subramanyam

Name and Address: MekaSubramanyam

Hirebenakal, Basapattana

Gangavati

Contact number: 9036911149

Age: 52 years

Educational qualification: PUC

Land holding : 60 Acres

Farming experience: 30 years

Horticulture crops:

Mango, Guava, Custard Apple, Sweet Orange, Lemon, Jamun, Amla, Pomegranate, Gylardia, Chrysanthemum, Jasmine

Forest Species: Sandal, Red sandal

Problems:

- Less yield due to monocropping
- Less diversification
- Low income due to field crops
- Discrepancy in rainfall
- Price fluctuation

Challenges:

- Growing of horticulture crops
- Organic cultivation
- Use of micro irrigation
- Forest trees cultivation
- Dairy farming

Description of practices/technology

- Cultivation of more than 9 different varieties of mango
- Cultivation of green manure crop in inter space
- Cultivation of Sweet Orange (Rangapur), Custard Apple, Guava, Amla
- Mango and Drumstick as intercrops
- Forest tree species cultivation like Sandal, Red Sandal, Sliver Oak and Teak

Practical utility

- Improved soil fertility
- Decreased cost of cultivation
- Increased more number of natural enemies in the orchard
- Increased production, productivity and quality of the produce
- Increased profitability & good socio economic status

INCOME

Particulars	Income
24 acres: Mango (9 different varieties)	Rs. 9 -10 lakhs/year
6.4 acres: Rangapur Sweet Orange	Rs. 2 lakhs/year
3 acres: Guava	Rs.3 lakhs/year
40 Plant custard apple (Balanagar, Atimoya) 20 Plants Amla (NA-10) Drumstick+Mango	Rs.1 lakhs/year
Chrysanthemum, Gylardia, Jasmine	Rs.3 – 4 lakhs/year
Dairy	Rs. 0.75 lakhs/year
Total annual income	Rs. 16-18 lakhs



Field view of Amla (Var.- NA-10)



Field view of Guava



View of Mango Orchard



Ready to harvest Custard apple

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

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	Horticulture	Waste decomposer through drip irrigation	Better productivity	Enhancement of soil micro flora and fertility



10 F. Technology Week celebration during 2019:

Period of observing Technology Week: From 02.12.2019 to 07.12.2019

Total number of farmers visited : 598

Total number of agencies involved : 2

Number of demonstrations visited by the farmers within KVK campus : 4

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	1	120	Soil health management
Lectures organized	12	178	Integrated crop management Nutritional benefit of Fruits and Vegetable Cultivation practices of horticulture crops Integrated pest management in mango and important vegetable crops Integrated disease management in mango and important vegetable crops Integrated nutrient management in mango and important vegetable crops Harvest and post harvest technology in mango and important vegetable crops Vermicompost production technology
Exhibition			
Film show	2	50	Integrated pest management in mango and important vegetable crops Integrated disease management in mango and important vegetable crops
Fair			
Farm Visit	4	250	Vermicompost unit Dairy Unit Paddy seed production unit Horticulture nursery

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Diagnostic Practicals	-	-	-
Supply of Literature (No.)	-	-	-
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)	-	-	-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Supply of fingerlings	-	-	-
Supply of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	19	598	-

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

1. **Dr. Jyothi R**, Scientist (Horticulture) received “Young Scientist Associate Award” by Hi-tech Horticulture Society during 3rd Global meet on Science and Technology for Ensuring food and Nutritional Security (GMST 2019) held during 1-3 December 2019 at Uttara Pradesh Meerut.
2. Best poster presentation to **ShriVeeranagowdaKulkarni** (Progressive farmer of Koppal) during National conference on Arid Fruits: A Way Forward for Sustainable Production and Nutritional Security November 28-30, 2019 At University of Agricultural Sciences, Raichur, Karnataka – 584 104

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab :

1. Year of establishment : Feb-2013
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost	Status
-	-	-	-	-
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	7567	7291	4011
Water Samples	4990	4866	2636
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	12,557	12,157	6647

C. Details of samples analyzed during the 2019:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	513	445	298
Water Samples	538	473	298
Plant samples	-	-	-
Manure samples	-	-	-
Others (specify)	-	-	-
Total	1,051	918	596

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
-	-	-

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

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

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

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	5-12-2020	59	98	99	99
Mobile Soil Testing Kit	-	-	-	-	-

11.4 World Soil Health Day celebration (5-Dec-2019)

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	53	20	3	4	4	3

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 Direct seeded rice	600	60	Rs.43000/ha.	Rs. 53000/ha.
Integrated Farming System	84	40	Rs. 100000/farm family/year	Rs. 150000/farm family/year
Honey bee cultivation	1600	15	Rs. 0.0/ Unit	Rs. 1200000/ Unit
Establishment of Scientific Dairy farms	300	50	Rs.11000 /animal / lactation	Rs. 20000/animal / lactation
Vegetable special micronutrient application in vegetable crops	360	69	Rs. 39,900/ ha.	Rs. 61500/ha.
Demonstration of High yielding Bengalgram variety (JG-11)	286	73	Rs. 29154/ ha.	Rs. 35174 / ha.
Demonstration of Foxtail millet var. DHFt-109-03	150	60	Rs.15000/ha.	Rs. 22000/ha.
Bio-control agent (<i>Cryptolaemus</i>)	500	20	Rs. 0.0/ Unit	Rs. 5000/ acre
Demonstration of High yielding Onion variety (Bhima Shakthi)	82	34	Rs.154200/ha.	Rs. 216000/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)

Technology :

- ICM in Direct Seeded Rice (DSR) method
- Technology: Direct seeding using paddy tractor drawn seed drill, Weedicides and Cycle Weeder for weed management, ICM practices
- Major features: High cost of cultivation, scarcity of labor, water for irrigation, delayed planting, non awareness about use of seed drill
- Relevance to district: Paddy area in Koppal is 39000 ha.

Extension activities carried out for spread of technology

Year	Taluk	Area (Acre)	No. of Demos	Training (No. farmers)
2016-17	J.Kalgudi	10	10	65
2017-18	Yeradona	10	10	65
2018-19	Chellur	10	10	150

Other activities for spread of technology:

- Short messages , Field visits , Leaf lets, folders, leading newspaper coverage,
- Tie up with Agril. Dept in spread of technology
- Technical bulletin was published and distributed to farmers

Spread of technology:

This is a new technology to the farmers of Koppal Dist. and farmers are showing interest to adopt the technology. From 2015-16 to 2018-19 , morethan 6500 ha area is under DSR Paddy.

Outcome :

Adoption of ICM in DSR method using tractor drawn seed drill increases the yield 8-9% than conventional practice by saving cost of cultivation around 5000 to 7000 per acre in demonstration field

**12.C. Details of impact analysis of KVK activities carried out during the 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 Direct seeded rice	600	60	Rs.43000/ha.	Rs. 53000/ha.
Demonstration of High yielding Bengalgram variety (JG-11)	240	68	Rs.29154/ha.	Rs. 35174/ha.
Vegetable special micronutrient application in vegetable crops	300	60	Rs. 39900/ha.	Rs. 61500/ha.

PART XIII - LINKAGES

13A. Functional linkage with different organizations

Name of organization	Nature of linkage
<ul style="list-style-type: none"> • Karnataka State Dept. of Agriculture (KSDA) • Karnataka State Dept. of Horticulture (KSDH) • Dept. of AH & VS, Dept of Women and Child Welfare, ARS, NABARD, NGO (BAIF, Sarvodaya) 	Trainings, Demonstration, field days, Joint Diagnostic survey, Awareness campaigns and meetings
<ul style="list-style-type: none"> • Dept. of Information and Broadcasting (AIR, DD-1) and Daily Newspapers like Prajavani, Vijaya Karnataka, SamyuktaKaranataka, Deccan Herald, The Hindu and Local Newspapers 	Live phone-in programmes, Radio tips, Press coverage, publicity etc.

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

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-

13C. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	SREP	4	-	-
02	Research projects	-	-	-	-
03	Training programmes	Training on ICM, IPM, IDM and value addition to millets	11	2	-
04	Demonstrations	Method demonstration, seed treatment, soil sampling	4	2	-
05	Extension Programmes				
	KisanMela	-	1	-	-
	Technology Week	-	-	1	-
	Exposure visit	-	-	-	-
	Exhibition	-	1	-	-
	Soil health camps	-	-	1	-
	Animal Health Campaigns	-	-	3	-
	Others (Pl. specify)	Women's day World Food day	-	2	-
06	Publications				

	Video Films	-	2	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	2	-
	Others (Pl. specify)	-	-	-	-
07	Other Activities (Pl. specify)				
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

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

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

13E. Nature of linkage with National Fisheries Development Board

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

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	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	Text	1	1	-	-	-	2	4	3758
February	Text	1	-	-	-	-	1	2	3758
March	Text	-	-	-	-	-	1	1	3758
April	Text								3758
May	Text								3758
June	Text	2				1	1	4	3758
July	Text	3				1		4	3758
August	Text	1	1			1	1	4	3758
September	Text	2	1			1	-	4	3758
October	Text	1					1	2	3758
November	Text	1					1	2	3758
December	Text	1	1					2	3758
Total		13	4	0	0	4	8	29	3758

PART XV – SPECIAL PROGRAMMES

15.1 ParamparagathKrishiVikasYojana (PKVY): Activities is under progress

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. P	Aval. K	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	Vataparvi	-	-	-	-	Distribution of mobile Vermicompost bags, Methodology of vermiwash collection, Preparation of Bheejamruta, Jeevamrutha and Panchagavya, Preparation of waste decomposer	Redgram	TS-3R	Vermicompost	-	-	-
							Maize	Private	Trichoderma			
							Groundnut	GPBD-4	Pseudomonas			
2	Menadhal	-	-	-	-	Methodology of vermiwash collection, Preparation of Bheejamruta, Jeevamrutha and Panchagavya, Preparation of waste decomposer	Pomegranate	Bhagva	Vermicompost	-	-	-
							Guava	L-49	Trichoderma			
							Redgram	TS-3R	Pseudomonas			

15.2 District Agriculture Meteorological Unit (DAMU)

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	4	1252	1252	1	51

PART XVI - FINANCIAL PERFORMANCE

16A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK							
PFMS	SBI	Gangavati	009752	Senior Scientist & Head	10809525754	583002227	SBIN0009752
ICAR_RF	SBI	Gangavati	009752	Senior Scientist & Head	10809526032	583002227	SBIN0009752
KVK_Imprest AC	SBI	Gangavati	009752	Senior Scientist & Head	38650317733	583002227	SBIN0009752

16B. Utilization of KVK funds during the year 2018-19(Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	13152000	13152000	10332193
2	Traveling allowances	95000	95000	93736
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	200000	200000	188071
B	POL, repair of vehicles, tractor and equipments	150000	150000	149338
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	100000	100000	95560
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	15000	15000	4144
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	339000	339000	258967
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	32000	32000	24540
G	Training of extension functionaries	-	-	-
H	Maintenance of buildings	50000	50000	35341
I	Establishment of Soil, Plant & Water Testing Laboratory	15000	15000	9000
J	Library	10000	10000	4562
K	Extension Activities	24000	24000	7400
L	EDP	10000	10000	9039
TOTAL (A)		14192000	14192000	11211891
B. Non-Recurring Contingencies				
1	Works	-	-	-
2	Equipment including SWTL & Furniture	-	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	-	-	-
4	Library (Purchase of assets like books & journals)	-	-	-
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		14192000	14192000	11211891

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2016 to March 2017	1085931	2981669	2386415	1681185
April 2017 to March 2018	1681185	3520499	3241391	1960293
April 2018 to March 2019	1960293	3444836	2818463	816666

17. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Sri. Raghavendra Yaligar	Scientist (Agril. Entomology)	Knowledge development for extension personnel about impact of climate change through participatory approach	Raichur	01.08.2019-10.08.2019
Dr. C. M. Kalibavi	Senior Scientist & Head			
Dr. Mahanthes M.T	Scientist (Animal Science)	Quality seeds production in forage crops	IGFRI Dharwad	25-27 Mar, 2019
Sri. Raghavendra Yaligar	Scientist (Agril. Entomology)	State level fall army worm management workshop	GKVK, Bengaluru	10.07.2019
Smt. Kavitha Ullikashi	Scientist (Home Science)	National conference on Arid Fruits: A Way Forward for Sustainable Production and Nutritional Security	UAS, Raichur	28-11-2019 to 30-11-2019
Sri. Raghavendra Yaligar	Scientist (Agril. Entomology)			
Dr. Jyothi R	Scientist (Horticulture)			
Dr. Mahanthes M.T	Scientist (Animal Science)	The ASCI Skill Training of Trainers (TOT) Programme of Zone 11	UAS, Bangalore	20 th to 22 nd November, 2019
		Proteomics for system integrated bio-omics, one health and food safety	Proteomics society of India, ICAR-NDRI, Karnal, Haryana-132001	2-4, December, 2019

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

DAESI Programme

Particulars	No. of Candidates
DAESI III Batch	40

Deputation of Ph.D. programme

Name of the Scientist	Designation	Deputation	Place	Reference
Dr. Mahanthesh.M.T	Scientist (Animal Science)	Ph.D 01.08.2016 to 16.01.2018	Animal Biotechnology Centre ICAR- NDRI,Karnal, Haryana-132001	No.R/UASR/Deputation/ 2016-17. Dated: 25.08.2016
KavithaUllikashi	Scientist (Home Science)	Ph.D 05.09.2017 to 16.02.2019	College of community science UAS,Dharwad, Karnataka	No.R/UASR/Deputation/3646/ 2017- 18. Dated: 01.09.2017
J.Radha	Scientist (seed science and Technology)	Ph.D 24.09.2018 to 27.07.2019	College of Agriculture, Raichur, Karnataka	No.R/UASR/Deputation/998/ 2018-19. Dated: 04.10.2018

