ICAR- KRISHI VIGYAN KENDRA GANGAVATHI (KOPPAL)

ANNUAL REPORT- 2018-19

(FOR THE PERIOD FROM 01 APRIL 2018 TO 31 MARCH 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– 584102 (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 01April 2018 to 31 March 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 - GENERALINFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR KrishiVigyan Kendra ARS Campus, Kanakagiri Road, Gangavathi-583 227 Koppal District	08533-272518	08533-271578	kvk.koppal@icar.gov.in, pckvkkoppal@uasraichur.edu.in, kvkg2004@yahoo.co.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, vcuasr10@rediffmail.com	www.uasraichur.edu.in

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

Name	**Telephone / Contact**		
	Residence	**Mobile**	**Email**
Dr. C. M. Kalibavi Senior Scientist & Head	9845675485	9480696316	cmkuasd@rediffmail.com

1.4. Year of sanction:2004

1.5. Staff position as on 31 March 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. C. M. Kalibavi	Sr. Scientist & Head	M	Agronomy	Ph.D (Agronomy)	15600-39100	28280	21.03.2018	Permanent	ST
2	Scientist/SMS	Mrs. KavithaUllikashi	Scientist (Home Science)	F	Home Science	MHSc	15600-39100	22310	22.06.2017	Permanent	SC
3	Scientist/SMS	Mr. RaghavendraYaligar	Scientist (Agril. Entomology)	M	Agril. Entomology	M.Sc (Agril. Entomology)	15600-39100	23190	15.09.2017	Permanent	ST
4	Scientist/SMS	Dr. Jyothi, R.	Scientist (Horticulture)	F	Horticulture	Ph.D (Horticulture)	15600-39100	20590	25.07.2011	Permanent	ST
5	Scientist/SMS	Dr. Mahanthesh, M.T.	Scientist (Animal Science)	M	Animal Science	M.V. Sc (Animal Bio Technology)	15600-39100	19810	19.08.2011	Permanent	C-1
6	Scientist/SMS	Mrs. J. Radha	Scientist (Seed Science & Technology)	F	Seed Science & Technology	M.Sc (Seed science and Technology)	15600-39100	20590	12.05.2016	Permanent	ST
7	Scientist/SMS	Vacant	-	-	-	-	-	-	-	-	-
8	Programme Assistant (Lab Tech.)	Mrs. Farzana M. Korabu	Programme Assistant (Soil Science)	F	Agriculture & Allied Sciences	B.Sc (Agri)	9300-34800	15290	11.11.2008	Permanent	2B
9	Programme Assistant (Computer)	Mr. ChandrakantKotabagi	Programme Assistant (Computer)	M	Computer Applications	MCA, PGDCA	9300-34800	15890	24.03.2017	Permanent	SC
10	Programme Assistant/ Farm Manager	Mr. Narappa, G.	Farm Manager	M	Agriculture & Allied Sciences	B.Sc (Agri) & MBA	9300-34800	15890	16.07.2009	Permanent	ST
11	Assistant	Mrs. Manjula M. Halakatti	Senior Assistant	F	Commerce	M.Com	16000-29600	38850	15.07.2016	Permanent	ST
12	Jr. Stenographer	Mrs. AkkamahadeviKutakanakeri	Assistant	F	Arts	MA	16000-29600	35150	05.08.2016	Permanent	GM
13	Driver - 1	Mr. Khadarbasha	Driver (HV)	M	-	SSLC	11600-21000	30350	03.01.2012	Permanent	2B
14	Driver - 2	Mr. Khadarpasha	Driver (LV)	M	-	SSLC	14550-26700	23500	30.01.2012	Permanent	2B
15	SS-1	Mrs. Renukamma	Asst. Cook-cum-caretaker	F	-	SSLC	10400-16400	21400	19.01.2012	Permanent	ST
16	SS-2	Mr. Basappa, K.	Attender	M	-	SSLC	10400-16400	27650	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**							
	i. Vermi compost Units	ICAR, New Delhi	Aug. 2013	6 Units	15,000	-	-	Established
	ii. Horticulture Nursery	NHM, Bangalore	Aug. 2013	1 Unit	6,32,007	-	-	Established
	iii. Fodder Bank	ICAR, New Delhi	Oct.2013	2 acre	20,000	-	-	Established
	iv. Chaff Cutter Cum Grinder		Jan. 2013	1 Unit	40,000	-	-	Present
	v. Nutrition Garden		Sep. 2013	1 Unit	5,000			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
	vi. Azolla Unit		Oct.2013	2 Units	3,000	-	-	Established
	vii. Millet Processing Unit	UAS, Raichur& KSDA, Bangalore	Nov. 2013	1 Unit	8,00,000	-	-	Established
	viii. Dairy Unit	ICAR, New Delhi	Jan 2015	53	2,25,000	-	-	Established
	ix. Vermi compost units	ICAR, New Delhi	Mar 2014	20 units (0.25 acre)	1,00,000	-	-	Established
	x. Compost Unit	ICAR, New Delhi	July 2015	02 unit	57670	-		Established
	xi. Vegetable special unit	ICAR, New Delhi	Feb 2014	01 unit	300000	-	-	Established
	xii. Honey bee unit	ATMA	2014	01 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=00	56567	Good
New Holland Tractor	2006-07	4,99,502=00	3787.6 Hrs	Good
Bajaj CT 100	2006-07	50,000=00	-	Under repair
Hero Honda Passion Plus	2008-09	50,000=00	68042	Under repair
John Deer Tractor	2014-15	6,66,705=00	2540.8 Hrs	Good

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Microprocessor Based Condictivity: Make: Systronic Meter with cells (1.0ce&0.1ce) & Temp probe Model#306	2017-18	20700	Good
Microprocessor Based PH System Make:Systronic with Electrodes & temp probe (Auto temp Compensation,2point Calibration, Resol 0.01 PH) Model#361	2017-18	19500	Good
Kelplus fully Aoutomatic Distillation System Model:ULTIMA DUO DISTI TS (E)	2017-18	532722	Good
90273020,990569-06-N-1GBC XPLORE DUAL PROGRAMMABLE DOUBLE BEAM ATOMIC ABSORPTION **(1 Set includes foll. Materials)** 1)GBCxploraa Dual programmable double beam atomic absorption 2)Air Compressor 3)Air filter for moisture, dist, oil mist removal(set of 2 filters) 4)Standerd fittings like nuts, ferrules, unions, coupling, clamps, hardware etc 5)LabFumehood Size-1500mm L*1000mmvv*2300mmh the work includes of totally servicing of the lab fumehood. 6)Double Stage double meter chome plated brass body regulator 7)41 Ltr new empty Cylinder for acelytene 8)HP laser jet 1020BW printer 9)Dell3268 Desktop intel core i3 7th gen processor 4Gb ram,1TB HDD windows 10 home single language 18.5 HD screen display, DVD R/w wirwd keyboard &mouse 1 year onsite warranty 10)Supertech make 10kva online UPS 11)Batteries-12AH-12V-Exide/HBL-make, Model No-(AL/TP12-12)	2017-18	1634452	Good
Biometric	2018-19	10797	Good

1.8. Details of SAC meeting conducted during 2018-19

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
29.08.2018	25	**JDA, Koppal** • Army worm control measures should be taken in the action as it may also attack paddy in future.	• Conducted training programmes and awareness programme in collaboration with department survey was conducted to monitor army worm • Demonstration of pheromone traps to monitor fall army worm • Information given in mass media	-
		• Mechanization in paddy	• 500 ha. area Direct seeded rice was taken through KVK intervention using seed drill • Demonstration of paddy bailer	-
		State Agril. Dept. • Demonstration regarding vermicompost unit	• Demonstrated vermicompost units in different villages of Koppal district in collaboration with ATMA project	-
		• Demonstration regarding cattle feed preparation	• Demonstrated cattle feed preparation using locally available resources in collaboration with KMF	-
		• Demonstration regarding honey producing unit.	• In Association with JenuKrushikarSangha Honey bee units demonstrated and awareness programme was conducted in different farmers field	-
		Suggestion by Board members (By Dr. Shekargouda (Smt. HemavatiLankesh) • Scientist should provide farmers field visit to their FLD and OFT plots.	• Board members are participate in Field Day and training programme	-
		• Efforts to bring cold storage facility to farmers produce	• Discussed with concerned department yet to be implemented	-
		• Increasing area under millet production. Creating awareness regarding nutritive food.	• Through FLD different millets	-
		• Visit of Board members to the farmers field where FLD and OFT trails are conducted.	• Hon'ble Board member Dr. M. Shekargouda visited FLD on Direct Seeded Rice	-
		Advised by farmer's • Creating awareness regarding importance of soil testing among farmers.	• Awareness regarding soil testing was created through training programmes	-
		• Measures for chemical free growth of SonaMasuri.	• FLD on Integrate crop management in paddy were demonstrated in farmers field in which bio pesticides were used to manage pests farmers got good results	-
		• Discussion regarding storage of Onion produce.	• Information regarding onion storage structure developed by DOGR, Pune is informed to the onion	-

			growing farmers	
		• Spawn seed production.	• The project for mushroom spawn production unit will be submitted to department of horticulture	-
		Advised by Dr. Chandregowda • Technical and Scientific suggestion to farmers problem.	• We are giving technical suggestion through FLD & OFT demonstration in training programmes and through phone messages	-
		• Trainings should be conducted based on farmers need.	• Yes	-
		• Developing master trainers to develop the concerned entrepreneurship	• Through ASCI trainings we are developing master trainers in mushroom and vermi compost production by improving their skills	-
		• The varieties released for specific problem should be taken as OFT or FLD on farmers field.	• Will be included in action plan 2019-20	-
		Advised by Campus Head, ARS, Gvt • Awareness regarding Kurgi sowing in paddy.	• Created awareness through trainings and field days farmers accepting Kurgi sowing in paddy	-
		Advised by DE • Research issue should be highlighted at university level	• KVK will be presenting research issues in ZREAC & ZREFC meeting	-
		• The research conducted should be given as OFT to farmers.	• OFT will be conducted in farmers field	-
		• Empowering the farm women/men.	• KVK empowering farm women and farmers through training programmes to take their own entrepreneurship in agriculture	-
		Advised by SAC meeting members • Doubling the farm income	• KVK demonstrating the technologies in farmers field and selected villages	-
		Advised by DE and VC • Publishing the achievements and bombarding through media	• Publicity of KVK activities given in print media and mass media to reach technologies in wider area	-
		Advised by VC • While preparing plan of action the officers should meet the other department members such as DC, CEO and CDC.	• KVK will preparing the action plan after consulting line departments	-
		Demand and Advise by farmer's • Providing information regarding marketing of organic produce to the farmers through KVK.	• Organic growers are encourage to participate in the KrishiMelas and Millet Melas for their product advertisement and sale	-
		Advised by Department officers and Bank • Increasing training activities in Agriculture and Horticulture field to youths.	• KVK conducted training programmes in agriculture and horticulture in different aspects involving the rural youths	-
		Advised by Child and Women Welfare Department • Conducting Dairy and Poultry training to womens to	• Conducted training programme on dairy, sheep, goat and poultry to SHGs groups	-

		develop Entrepreneurship.		
		Demand and Advised by Farm Women • Storage and marketing of mushroom produce.	• KVK provided marketing facility and storage practices to mushroom growers	-

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	• 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	• 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%)	➢ Medium Black soil (Yelaburga, Kushtagi, Gangavati and Koppal) ➢ Deep black soil (Yelaburga and Koppal)
2	Irrigated (20%)	➢ 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	• 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 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. • According to soil taxonomy, the common orders, sub orders and great groups of black soils are as follows. Order – Vertisol& Sub order – Torrets and Usterts • Great group – Torritorrerts, Usttorrerts, Torriusterts&Ustusterts	40%
2	Red soils	• 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, Aqults • Great group – Haplustalfs, Rhodustalfs, Paleustalfs, Haplustults, Rhodoustults&Ochraquults	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 (2016-17)

S. No	**Crop**	**Area (ha)**	**Production (Metric tons)**	**Productivity (kg /ha)**
Horticulture crops				
1	Fruits	7879.20	164078.19	20.82
2	Vegetables	28305.00	408501.90	14.43
3	Flower	739.00	4913.91	6.65
4	Spices	350.00	2181.99	6.23
5	Plantation crops	656.00	700.16	1.07

* Source : Karnataka State Department of Horticulture (KSDH), Koppal

2.5. Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
Jan-18	-	29.74	15.48	76.80
Feb-18	-	31.42	15.94	62.58
Mar-18	1.2	35.45	18.41	61.43
Apr-18	3.0	38.46	21.83	54.56
May-18	107.9	37.67	24.41	57.19
Jun-18	78.3	32.4	23.46	89.36
Jul-18	15.2	31.93	23.48	65.74
Aug-18	44.5	30.03	22.80	73.02
Sep-18	35.7	31.96	21.86	73.35
Oct-18	42.4	30.35	19.83	68.80
Nov-18	-	30.76	17.29	70.60
Dec-18	-	29.16	15.96	71.71
Jan-19	3.6	39.35	13.74	68.26
Feb-19	-	31.53	16.73	31.49
Mar-19	-	37.64	19.83	48.17
Apr-19	9.6	48.64	39.22	24.60

* Source: Agro metrology unit, ARS Gangavathi

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

Category	Population	Production	Productivity
Cattle			
Crossbred *Indigenous*	261000	30000 lit/day	2.398 kg/day
Buffalo	77860	-	-
Sheep			
Crossbred *Indigenous*	547061	-	-
Goats	156509	-	-
Pigs			
Crossbred *Indigenous*	12657	-	-
Rabbits	40	-	-
Poultry			
Hens *Desi* *Improved* Ducks Turkey and others	3540208	-	-

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

***** Source: 19th Livestock census- Dept. of Animal Husbandry & Veterinary Services, Koppal district -2012 & Karnataka Milk Federation- Koppal district Milk Union-2011.

2.7 District profile maintained in the KVK has been **Updated** for 2018-19: **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	Gangavati	Karatagi	J. Kalgudi, Kesaratti	1 year	Mustard	Non availability of suitable varieties of mustard for paddy fallows	Alternate crop for paddy fallow
2	Gangavati	Karatagi	Chikkadakanakal, Herur	1 year	Cowpea	▪ Low yield ▪ BLB ▪ Pod borer	New yielding variety
3	Koppal	Budagumpa	Abbigere	1 Year	Okra	Non availability of high yielding and YVMV tolerent variety	High yielding and disease registrant hybrid
4	Gangavati	Kanakagiri	Chellur	1 year	Paddy (DSR)	▪ 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
5	Gangavati	Karatagi	Yaradona, Hosakera	1 year	Paddy (GNV-10-89)	▪ Non Availability of short duration varieties ▪ Low yield ▪ High incidence of blast diseases	Crop production
6	Gangavati	Karatagi	Gundur	1 year	Paddy (GGV-05-01)	Non availability of salt tolerant variety	Crop production
7	Gangavathi	Karatagi	Chikkadankanakal	1 Year	Paddy (BPH)	Resurgence of BPH in Paddy severity of Blast disease	IPM
8	Yelburga	Bevur	Mangalur	1 Year	Kodo Millet	Non availability of high yielding varieties	Crop production
9	Yelburga, Gangavati	Bevur, Karatagi	Mangaluru, Yaradona	1 Year	Foxtail Millet	Non availability of improved variety	Crop production
10	Yelburga	Neljeri	Abbigere	1 Year	Little millet	Non availability of high yielding varieties	Crop production

11	Yelburga, Gangavati	Belur, Karatagi	Mangaluru, Yaradona		Barnyard millet	Non availability of high yielding varieties	Crop production
12	Kushtagi	Pura	Pura, Yeradona	1 Year	Onion	▪ Non practicing seed treatment ▪ Lack of awareness on new molecule to control pest and disease ▪ Non aware of high yielding variety for rabi	ICM
13	Gangavathi	Gaddi	Vittalapura	1 Year	Cucurbits	Non awareness about use of micronutrient	Nutrient Management
14	Gangavathi	Gaddi	Vittalapura	1 Year	Cucumber	High fruit fly incidence and high cost for management	Eco Friendly management of fuit fly
15	Koppal	Alawandi	Kataraki	1 Year	Cabbage	▪ Resistance to insecticide ▪ Indiscriminate use of insecticide ▪ Non awareness of bio control agent	IPM for DBM
16	Koppal	Budagumpa	Halahalli	1 Year	Tomato	▪ New pest pinworm incidence ▪ There is no effective pesticides available ▪ No new technologies	IPM
17	Koppal	Budagumpa	Irakalgad, Nelageri	1 Year	Marigold	High seedling cost of private varieties	Crop production
18	Gangavathi	Budagumpa	Chikkabenekal, Dasanal	1 Year	Mango	▪ Chemical residue in export quality ▪ Non awareness of bio agents and new technologies	ICM
19	Gangavathi	Pura	Kanakagiri	1 Year	Grapes	Improper knowledge about micronutrient application	Nutrient Management
20	Koppal	Koppal	Dambrahalli, Kataraki, Mattur	1 Year	Banana	Non Awareness about bunch quality and weight improvement	Nutrient Management
21	Gangavathi	Pura	Yatnatti, Chirchanagudda	1 Year	Cotton	Outbreak of pink bollworm in Bt. Cotton	IPM
22	Gangavathi	Navali	Hanawala	1 Year	Fodder sorghum	Non availability of high yielding varieties of green fodder cereal crop	Fodder

2.9 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	Research Management
12	Crop Divarication

PART III - TECHNICAL ACHIEVEMENTS (2018-19)

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
03	02	13	10	20	20	113	113

Training				Extension Programmes			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
100	87	2588	2588	05	02	150	41

Seed Production (Q)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
700	520	2000	1214

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
			4709 kg (vermi compost)
			10 kg (Earth worms)
			767 kg (Vegetable special)

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	Alternate crop for paddy fallow	Mustard	Non availability of suitable varieties of mustard for paddy fallows	Assessment of new Mustard varieties for paddy fallows	-	1	-	-	-	-	-	-		
2	New yielding variety	Cowpea	▪ Low yield ▪ BLB ▪ Pod borer	Assessment of new Cowpea varieties	-	1	-	-	-	-	-	-	-	-
3	High yielding and disease registrant hybrid	Okra	Non availability of high yielding and YVMV tolerent variety	Assessment of hybrid in Okra	-	OFT is not implemented due to non-availability of ArkaNikhitha hybrid seeds								
4	Reduced cost of cultivation	Paddy (DSR)	▪ 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	1	-	-	1	-	-	-	-	-

5	Crop production	Paddy (GNV-10-89)	▪ Non Availability of short duration varieties ▪ Low yield ▪ High incidence of blast diseases	-	Demonstration of Paddy new variety GNV-10-89	1	-	-	-	-	-	-	-	-
6	Crop production	Paddy (GGV-05-01)	Non availability of salt tolerant variety	-	Demonstration of salt tolerant variety GGV-05-01 in Paddy	1	-	-	-	-	-	-	-	-
7	IPM	Paddy (BPH)	Resurgence of BPH in Paddy severity of Blast disease	-	ICM in Paddy with special emphasis on management of BPH and Blast disease	1	-	-	-	-	-	-	-	20 Kg
8	Crop production	Kodo Millet	Non availability of high yielding varieties	-	Introduction of High Yielding Kodo millet Variety RK-390-25	1	-	-	-	-	-	-	-	-
9	Crop production	Foxtail Millet	Non availability of improved variety	-	Demonstration of Foxtail millet new variety DHFt-109-3	1	-	-	-	-	-	-	-	-
10	Crop production	Little millet	Non availability of high yielding varieties	-	Introduction of High Yielding Little millet Variety DHLM 36-3	1	-	-	-	-	-	-	-	-
11	Crop production	Barnyard millet	Non availability of high yielding varieties	-	Introduction of High Yielding Barnyard millet Variety DHBM 93-3	1	-	-	-	-	-	-	-	-

12	ICM	Onion	▪ Non practicing seed treatment ▪ Lack of awareness on new molecule to control pest and disease ▪ Non aware of high yielding variety for rabi	-	Integrated Crop Management in Onion	1	-	-	-	0.2	-	-	-	-
13	Nutrient Management	Cucurbits	Non awareness about use of micronutrient	-	Micronutrient management in Cucurbits	1	-	-	1	-	-	-	-	-
14	IPM	Cucumber	High fruit fly incidence and high cost for management	-	Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	1	-	-	-	-	-	-	-	-
15	IPM	Cabbage	▪ Resistance to insecticide ▪ Indiscriminate use of insecticide ▪ Non awareness of bio control agent	-	Demonstration of management of Diamond Back Moth in Cabbage	1	-	-	1	0.0015	-	-	-	-
16	IPM	Tomato	▪ New pest pinworm incidence ▪ There is no effective pesticides available ▪ No new technologies	-	Management of Pinworm in tomato	1	-	-	-	-	-	-	-	-

17	Crop production	Marigold	High seedling cost of private varieties	-	Demonstration of popular marigold variety ArkaAlankar	-	-	-	1	-	5000	-	-	-
18	ICM	Mango	▪ Chemical residue in export quality ▪ Non awareness of bio agents and new technologies	-	ICM in Mango	-	-	-	-	-	-	-	-	10 Kg
19	Nutrient Management	Grapes	Improper knowledge about micronutrient application	-	Micronutrient management in Grape	1	-	-	1	-	-	-	-	-
20	Nutrient Management	Banana	Non Awareness about bunch quality and weight improvement	-	Demonstration of Banana bunch grade and weight improvement	1	-	-	1	-	-	-	-	-
21	IPM	Cotton	Outbreak of pink bollworm in Bt. Cotton	-	Management of Pink Bollworm in Bt.Cotton	1	-	-	-	-	-	-	-	-
22	Fodder	Fodder sorghum	Non availability of high yielding varieties of green fodder cereal crop	-	Demonstration of high yielding variety of fodder sorghum	1	-	-	1	0.01	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.ofprogrammes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Assessment of new Mustard varieties for paddy fallows	IARI, New Dehli	Mustard	1	-	**1**	-
2	Assessment of new Cowpea varieties	UAS, Dharwad	Cowpea	1	-	**1**	-
3	Assessment of hybrid in Okra	IIHR Bengaluru	Okra	1	-	-	-
4	Demonstration of Direct Seeded Rice	UAS, Dharwad&Raichur	Paddy (DSR)	-	1	**1**	Field day
5	Demonstration of Paddy new variety GNV-10-89	UAS, Raichur	Paddy (GNV-10-89)	-	1	**1**	-
6	Demonstration of salt tolerant variety GGV-05-01 in Paddy	UAS, Raichur	Paddy (GGV-05-01)	-	1	**1**	-
7	ICM in Paddy with special emphasis on management of BPH and Blast disease	UAS, Raichur	Paddy (BPH)	-	1	**1**	Media coverage and Radio programme
8	Introduction of High Yielding Kodo millet Variety RK-390-25	JNKVV Rewa Jabalpur	Kodo Millet	-	1	**1**	-
9	Demonstration of Foxtail millet new variety DHFt-109-3	UAS, Dharwad	Foxtail Millet	-	1	**1**	-
10	Introduction of High Yielding Little millet Variety DHLM 36-3	UAS, Dharwad	Little millet	-	1	**1**	-
11	Introduction of High Yielding Barnyard millet Variety DHBM 93-3	UAS, Dharwad	Barnyard millet	-	1	**1**	-
12	Integrated Crop Management in Onion	UAS Raichur/ DOGR, Rajguru Nagar, Pune	Onion	-	1	**1**	-
13	Micronutrient management in Cucurbits	IIHR, Bengaluru	Cucurbits	-	1	**1**	Media coverage
14	Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	NBAIR	Cucumber	-	1	**1**	Media coverage
15	Demonstration of management of Diamond Back Moth in Cabbage	IIHR, Bengaluru	Cabbage	-	1	**1**	Filed day
16	Management of Pinworm in tomato	NBAIR, Bengaluru	Tomato	-	1	**1**	-
17	Demonstration of popular marigold variety ArkaAlankar	IIHR, Bengaluru	Marigold	-	1	-	Radio programme
18	ICM in Mango	IIHR, Bengaluru	Mango	-	1	**1**	Media coverage and TV programme

19	Micronutrient management in Grape	IIHR, Bengaluru	Grapes	-	1	**1**	Media coverage
20	Demonstration of Banana bunch grade and weight improvement	NRC, Banana Trichi (TN) and IIHR, Bengaluru	Banana	-	1	**1**	Field day
21	Management of Pink Bollworm in Bt.Cotton	UAS Raichur	Cotton	-	1	**1**	Media coverage
22	Demonstration of high yielding variety of fodder sorghum	TNAU, Coimbatore	Fodder sorghum	-	1	**1**	TV and Radio programme

3.B2 contd..

	No. of farmers covered															
	OFT				**FLD**				**Training**				**Others (Specify)**			
	General		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**	
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
	9	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Mustard (OFT)	3	-	2	-	-	-	-	-	20	-	8	-	-	-	-	-
Cowpea (OFT)	3	-	2	-	-	-	-	-	15	-	5	-	-	-	-	-
Okra (OFT)	OFT is not implemented due to non-availability of ArkaNikhitha hybrid seeds															
Paddy (DSR)	-	-	-	-	8	-	2	-	35	-	5	-	35	-	12	-
Paddy (GNV-10-89)	-	-	-	-	7	-	3	-	20	-	10	-	-	-	-	-
Paddy (GGV-05-01)	-	-	-	-	8	-	2	-	25	-	5	-	-	-	-	-
Paddy (BPH)	-	-	-	-	4	-	6	-	20	-	10	-	-	-	-	-
Kodo Millet	-	-	-	-	8	-	2	-	35	-	5	-	-	-	-	-
Foxtail Millet	-	-	-	-	7	-	3	-	20	-	10	-	-	-	-	-
Little millet	-	-	-	-	8	-	2	-	25	-	5	-	-	-	-	-
Barnyard millet	-	-	-	-	7	-	3	-	35	-	5	-	-	-	-	-
Onion	-	-	-	-	8	-	2	-	20	-	5	-	-	-	-	-
Cucurbits	-	-	-	-	7	1	-	-	15	7	5	5	-	-	-	-
Cucumber	-	-	-	-	5	-	-	-	26	12	2	-	-	-	-	-
Cabbage	-	-	-	-	4	-	4	-	25	-	5	-	36	-	6	-
Tomato	-	-	-	-	10	-	-	-	28	-	2	-	-	-	-	-
Marigold	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
Mango	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
Grapes	-	-	-	-	3	-	2	-	17	-	8	1	-	-	-	-
Banana	-	-	-	-	10	-	-	-	22	-	3	-	25	2	5	3
Cotton	-	-	-	-	11	-	9	-	25	-	5	-	-	-	-	-
Fodder sorghum	-	-	-	-	7	-	3	-	35	5	10	-	-	-	-	-

PART IV - On Farm Trial(2018-19)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	1	-	-	-	-	-	-	-	-	1
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	1	-	1	-	-	-	-	2
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	**1**	**-**	**1**	**-**	**1**	**-**	**-**	**-**	**-**	**3**

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-

Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

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 the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	Mustard	Assessment of new Mustard varieties for paddy fallows	5	5	1 ha
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	Cowpea	Assessment of new Cowpea varieties	5	5	1 ha
	Okra	Assessment of hybrid in Okra	3	3	0.75 ha
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**	**2.75**

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 the Technological Options)
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	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total			-	-

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

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

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield		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	▪ 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 tolerent variety	Assessment of hybrid in Okra	3									
					TO1: local variety	Farmers practice	OFT is not implemented due to non-availability of ArkaNikhitha hybrid seeds						
					TO2: COBH4	TNAU, Coimbatore							
					TO3: ArkaNikhita	IIHR Bengaluru							

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

1. Title of Technology Assessed	**Assessment of new Mustard varieties for paddy fallows**
2. Performance of the Technology on specific indicators	Grain yield of NRCHB-101 Var. was higher
3.Specific Feedback from farmers	NRCHB-101 Var. was performed better
4.Specific Feedback from Extension personnel and other stakeholders	Alternate cropping system in paddy
5. Feedback to Research System based on results and feedback received	Short duration and disease resistant variety
1. Title of Technology Assessed	**Assessment of new Cowpea varieties**
2. Performance of the Technology on specific indicators	Grain yield of DC-15 var. was higher than C-152 Var.3
3.Specific Feedback from farmers	DC-15 var. was performed better than IT-38956-1Var. and C-152 Var
4.Specific Feedback from Extension personnel and other stakeholders	Higher yield of DC-15 var. will fetch the good market price
5. Feedback to Research System based on results and feedback received	Short duration and high yielding variety
1. Title of Technology Assessed	**Assessment of hybrid in Okra**
2. Performance of the Technology on specific indicators	OFT is not implemented due to non-availability of ArkaNikhitha hybrid seeds
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	

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	Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

4.D.2. Details of Technologies refined: Nil

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

PART V - FRONTLINE DEMONSTRATIONS (2018-19)

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cereals	Irrigation	Kharif	Paddy (DSR)	BPT-5204	-	Reduced cost of cultivation	Demonstration of Direct Seeded Rice	4	4	2	8	2	8
		Irrigation	Kharif	Paddy (GNV-10-89)	GNV-10-89	-	Crop production	Demonstration of Paddy new variety GNV-10-89	4	4	3	7	3	7
		Irrigation	Kharif/ Rabi	Paddy (GGV-05-01)	GGV-05-01	-	Crop production	Demonstration of salt tolerant variety GGV-05-01 in Paddy	4	4	2	8	2	8
		Irrigation	Kharif	Paddy (BPH)	BPT-5204	-	IPM	ICM in Paddy with special emphasis on management of BPH and Blast disease	4	4	6	4	10	-
	Millets	Rainfed	Kharif	Kodo Millet	RK-390-25	-	Crop production	Introduction of High Yielding Kodo millet Variety RK-390-25	4	4	2	8	10	-
		Rainfed	Kharif	Foxtail Millet	DHFt-109-3	-	Crop production	Demonstration of Foxtail millet new variety DHFt-109-3	4	4	3	7	10	-
		Rainfed	Kharif	Little millet	DHLM 36-3	-	Crop production	Introduction of High Yielding Little millet Variety DHLM 36-3	4	4	2	8	10	-
		Rainfed	Kharif	Barnyard millet	DHBM 93-3	-	Crop production	Introduction of High Yielding Barnyard millet Variety DHBM 93-3	4	4	3	7	10	-
	Vegetables	Irrigation	Kharif	Onion	Bhima Shakti	-	ICM	Integrated Crop Management in Onion	4	4	1	9	10	-
		Irrigation	Kharif/ Rabi	Cucurbits	-	Private	Nutrient Management	Micronutrient management in Cucurbits	4	3.2	-	8	8	-

		Irrigation	Kharif/ Rabi	Cucumber	-	Private	IPM	Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	2	2	-	5	5	-
		Irrigation	Rabi/ Summer	Cabbage	-	Mahyco-118	IPM	Demonstration of management of Diamond Back Moth in Cabbage	2	2	1	4	5	-
		Irrigation	Kharif/ Rabi	Tomato	US Agri	-	IPM	Management of Pinworm in tomato	2	2	-	5	5	-
	Flowers	Irrigation	Kharif	Marigold	ArkaAlankar	-	Crop production	Demonstration of popular marigold variety ArkaAlankar	2	2	-	5	4	1
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fruit	Dry land	Rabi	Mango	Baneshan	-	ICM	ICM in Mango	4	4	-	10	2	8
		Irrigation	Rabi/ Summer	Grapes	Thomson seedless	-	Nutrient Management	Micronutrient management in Grape	2	2	2	3	3	2
		Irrigation	Kharif/ Rabi	Banana	G9	-	Nutrient Management	Demonstration of Banana bunch grade and weight improvement	4	4	-	10	7	3
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	Irrigation	Kharif	Cotton	-	Jadoo, Jackpot	IPM	Management of Pink Bollworm in Bt.Cotton	8	8	9	11	8	12
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Rainfed/ Irrigated	Kharif	Fodder sorghum	CoFS-29	-	Fodder	Demonstration of high yielding variety of fodder sorghum	2	2	3	2	3	2
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-

	Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-
	Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
	Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-
	Pulses	-	-	-	-	-	-	-	-	-	-	-	-
	Cereals	Irrigation	Kharif 2018-19	Paddy (DSR)	BPT-5204	-	Reduced cost of cultivation	Demonstration of Direct Seeded Rice	Kharif 2018-19	H	M	H	Paddy
		Irrigation	Kharif 2018-19	Paddy (GNV-10-89)	GNV-10-89	-	Crop production	Demonstration of Paddy new variety GNV-10-89	Kharif 2018-19	H	M	H	Paddy
		Irrigation	Kharif/ Rabi 2018-19	Paddy (GGV-05-01)	GGV-05-01	-	Crop production	Demonstration of salt tolerant variety GGV-05-01 in Paddy	Kharif/ Rabi 2018-19	H	M	H	Paddy
		Irrigation	Kharif 2018-19	Paddy (BPH)	BPT-5204	-	IPM	ICM in Paddy with special emphasis on management of BPH and Blast	Kharif 2018-19	M	L	H	Paddy

								disease					
	Millets	Rainfed	Kharif 2018-19	Kodo Millet	RK-390-25	-	Crop production	Introduction of High Yielding Kodo millet Variety RK-390-25	Kharif 2018-19	M	L	M	Pulses
		Rainfed	Kharif 2018-19	Foxtail Millet	DHFt-109-3	-	Crop production	Demonstration of Foxtail millet new variety DHFt-109-3	Kharif 2018-19	M	M	H	Pulses
		Rainfed	Kharif 2018-19	Little millet	DHLM 36-3	-	Crop production	Introduction of High Yielding Little millet Variety DHLM 36-3	Kharif 2018-19	M	L	M	Pulses
		Rainfed	Kharif 2018-19	Barnyard millet	DHBM 93-3	-	Crop production	Introduction of High Yielding Barnyard millet Variety DHBM 93-3	Kharif 2018-19	M	M	H	Pulses
	Vegetables	Irrigation	Kharif 2018-19	Onion	Bhima Shakti	-	ICM	Integrated Crop Management in Onion	Kharif 2018-19	M	H	H	Chilli
		Irrigation	Kharif/ Rabi 2018-19	Cucurbits	-	Private	Nutrient Management	Micronutrient management in Cucurbits	Kharif/ Rabi 2018-19	M	M	M	Tomato
		Irrigation	Kharif/ Rabi 2018-19	Cucumber	-	Private	IPM	Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	Kharif/ Rabi 2018-19	L	M	H	Onion
		Irrigation	Rabi/ Summer 2018-19	Cabbage	-	Mahyco-118	IPM	Demonstration of management of Diamond Back Moth in Cabbage	Rabi/ Summer 2018-19	M	M	M	Onion
		Irrigation	Kharif 2018-19	Tomato	US Agri	-	IPM	Management of Pinworm in tomato	Kharif 2018-19	L	M	M	Paddy
	Flowers	Irrigation	Kharif 2018--19	Marigold	ArkaAlankar	-	Crop production	Demonstration of popular marigold variety ArkaAlankar	Kharif 2018--19	M	H	M	-
	Ornamental	-	-	-	-	-	-	-					
	Fruit	Dry land	Rabi 2018-19	Mango	Baneshan	-	ICM	ICM in Mango	Rabi 2018-19	L	M	M	Mango
		Irrigation	Rabi/ Summer 2018-19	Grapes	Thomson seedless	-	Nutrient Management	Micronutrient management in Grape	Rabi/ Summer 2018-19	M	M	M	Grape
		Irrigation	Rabi/ Summer 2018-19	Banana	G9	-	Nutrient Management	Demonstration of Banana bunch grade and weight improvement	Rabi/ Summer 2018-19	M	H	H	Banana
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	Irrigation	Kharif 2018-19	Cotton	-	Jadoo, Jackpot	IPM	Management of Pink Bollworm in Bt.Cotton	Kharif 2018-19	L	M	H	Sorghum

	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Rainfed/ Irrigated	Kharif-2018-19	Fodder sorghum	CoFS-29	-	Fodder	Demonstration of high yielding variety of fodder sorghum	Kharif-2018-19	M	M	M	Sorghum
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-

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)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds	-	-	-	-	-	-													
Pulses	-	-	-	-	-	-													
Cereals	Paddy (DSR)	BPT-5204	-	Irrigation	10	4	88.50	85.40	86.37	77.64	11.24	52998	174457	121460	3.29	62070	156833	94763	2.53
	Paddy (GNV-10-89)	GNV-10-89	-	Irrigation	10	4	89.70	86.60	88.36	78.13	13.09	58685	172302	113617	2.94	62493	152354	89861	2.44
	Paddy (GGV-05-01)	GGV-05-01	-	Irrigation	10	4	87.50	84.50	86.27	76.70	9.62	58315	168227	109912	2.89	62745	149565	86820	2.38
	Paddy (BPH)	BPT-5204	-	Irrigation	5	2	79.30	73.50	76.75	78.50	-2.22	50150	145825	95675	2.9	62600	149150	86550	2.38
Millets	Kodo Millet	RK-390-25	-	Rainfed	10	4	7.5	5.0	7.75	6.8	13.97	15625	23250	7625	1.49	15200	20400	5200	1.34
	Foxtail Millet	DHFt-109-3	-	Rainfed	10	4	23.75	15.5	23.5	17.00	38.2	11650	32210	20560	2.76	10920	25600	14680	2.34
	Little millet	DHLM 36-3	-	Rainfed	10	4	7.5	5.0	8.1	6.9	17.40	16250	24300	8050	1.5	15750	20700	4950	1.31
	Barnyard millet	DHBM 93-3	-	Rainfed	10	4	12.5	7.5	13.2	10.7	23.36	16500	36960	20460	2.24	15850	29960	14110	1.89
Commercial	Cotton	-	Jadoo, Jackpot	Irrigation	20	8	22.1	17.3	20.50	17.52	18.8	24300	98400	74100	4.00	29200	87600	58400	3.00

Crop	**Name of the technology demonstrated**	**Variety**	**Hybrid**	**Farming situation**	**No. of Demo.**	**Area (ha)**	**Yield (t/ha)**				**% Increase**	***Economics of demonstration (Rs./ha)**				***Economics of check (Rs./ha)**			
							Demo			**Check**		**Gross Cost**	**Gross Return**	**Net Return**	** **BCR**	**Gross Cost**	**Gross Return**	**Net Return**	** **BCR**
							H	**L**	**A**										
Vegetables	Onion	Bhima Shakti	-	Irrigation	10	4	33.8	27.5	32.56	25.65	26.93	52240	260480	208240	4.98	45600	205200	159600	4.50
	Cucurbits																		
	(Ridgegourd)	-	Private	Irrigation	8	3.2	6.03	5.9	6.10	4.96	22.98	48801	84975	36174	1.74	44350	74325	29975	1.67
	(Bittergourd)						10.6	8.36	10.63	9.53	11.51	66515	127560	61045	1.92	63897	104830	40933	1.64
	(Cucumber)						13.9	13.5	13.74	12.23	12.34	55850	151140	95290	2.77	52975	122250	69275	1.58
	(Watermelon)						43.9	42.6	43.29	39.73	8.96	60800	335332	274532	5.51	58815	278075	219260	4.73
	Cucumber	-	Private	Irrigation	5	2	13.9	13.5	13.74	12.23	12.34	55850	151140	95290	2.77	52975	122250	69275	1.58
	Ridgegourd						6.03	5.9	6.10	4.96	22.98	48801	84975	36174	1.74	44350	74325	29975	1.67
	Cabbage	-	Mahyco-118	Irrigation	5	2	37.5	32.1	35.30	32.56	8.41	52500	123550	71050	2.35	63150	113960	50810	1.80
	Tomato	US Agri	-	Irrigation	5	2	58.4	53.0	56.25	52.00	8.17	87000	281250	194250	3.23	98000	260000	162000	2.65

Flowers	Marigold	ArkaAlankar	-	Irrigation	5	2	7.3	6.31	6.99	5.62	24.37	78960	174950	95990	2.21	88765	140450	51685	1.58
Ornamental	-	-	-	-		-													
Fruit	Mango	Baneshan	-	Dry land	10	2	13.2	10.6	12.56	10.80	16.29	43100	301400	258300	6.99	42500	252000	209500	5.9
	Grapes	Thomson seedless	-	Irrigation	5	2	13.1	11.6	12.45	10.89	14.32	154220	373500	219280	2.42	148520	326940	178420	2.20
	Banana	G9	-	Irrigation	10	4	44.9	38.7	43.12	39.99	7.83	153080	388080	235000	2.53	149421	359919	210498	2.41
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	Fodder sorghum	CoFS-29	-	Rainfed/ Irrigated	5	2	160	130	145	-	15.0	60000	260000	200000	4.0	-	-	-	-
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H – Highest Yield, L – Lowest Yield A – Average Yield

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

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
ICM in Paddy with special emphasis on management of BPH and Blast disease	Blast incidence	21.27	15.56
	BPH/ hill	5.57	8.13
	Spider/ hill	0.96	0.23
	Coccinellids/ hill	1.26	0.37
Introduction of High Yielding Kodo millet Variety RK-390-25	Plant Height (in cm)	67.6	61.5
	No. of Tillers/ Plant	25	16
Demonstration of Foxtail millet new variety DHFt-109-3	-	-	-
Introduction of High Yielding Little millet Variety DHLM 36-3	-	-	-
Introduction of High Yielding Barnyard millet Variety DHBM 93-3	-	-	-
Integrated Crop Management in Onion	Mean Population of thrips/ plant	2.06	3.86
	PDI	19.26	25.56
	Average of five bulb weight (gm)	732.0	595.40
Micronutrient management in Cucurbits	Average fruit weight of Ridgegourd (gm)	626	501.5
	Average fruit weight of Bittergourd (gm)	301.5	270
	Average fruit weight of Cucumber (gm)	240	209
	Average fruit weight of watermelon (Kg)	4.25	3.9
Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	% Fruits damage	1.36	8.17
	Average fruitflies/ trap	38.00	-
Demonstration of management of Diamond Back Moth in Cabbage	Larval population/ plant	1.94	2.52
	Weight of head/ curd (Kg)	2.12	1.73
Management of Pinworm in tomato	% Leaf damage	1.37	2.67
	% Fruit damage	0.76	1.83
	Average moth catches/ trap	87.00	8.00
Demonstration of popular marigold variety ArkaAlankar	Flower duration (Days)	64	51.6
	Quantity of flowers/ plant (Kg)	2.11	1.26
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)	39.61	37.04
	Average weight of Hand (gm)	2.195	1.774
Management of Pink Bollworm in Bt.Cotton	% Boll damage	4.81	18.56
	Average moth trapped/ trap	176	-
Demonstration of high yielding variety of fodder sorghum	Forage yield (t/ ha)	160	-
	Seed yield (kg/ ha)	250	-

5.B.2. Livestock and related enterprises : Nil

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (kg/animal)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

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

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

5.B.3. Fisheries : Nil

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units / Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	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}	Yield / kg spawn				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	EDP in Mushroom	Oyester mushrom	2	-	-	-	8.7	-	-	820	3045	2225	-	-	-	-	-
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

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

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

5.B.5. Farm implements and machinery : Nil

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

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	04	232	
2	Farmers Training	18	551	
3	Media coverage	28	-	

4	Training for extension functionaries	01	18	
5	Others (Please specify)	-	-	

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

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (t/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Cereals																	
Bajra																	
Maize																	
Paddy																	
Sorghum																	
Wheat																	
Others (pl.specify)																	
Total																	
Oilseeds																	
Castor																	
Mustard																	
Safflower																	
Sesame																	
Sunflower																	
Groundnut																	
Soybean																	
Others (pl.specify)																	
Total																	
Pulses																	
Greengram																	
Blackgram																	
Bengalgram																	
Redgram																	
Others (pl.specify)																	
Total																	
Vegetable crops																	
Bottle gourd																	
Capsicum																	
Cabbage	Demonstration of management of Diamond Back Moth in Cabbage	Mahyco-118	5	2	37.5	32.1	35.30	32.56	8.41	52500	123550	71050	2.35	63150	113960	50810	1.80
Others (pl.specify)																	
Total																	
Cucurbits																	
(Ridgegourd)	Micronutrient management in Cucurbits	Private	8	3.2	6.03	5.9	6.10	4.96	22.98	48801	84975	36174	1.74	44350	74325	29975	1.67
(Bittergourd)					10.6	8.36	10.63	9.53	11.51	66515	127560	61045	1.92	63897	104830	40933	1.64
(Cucumber)					13.9	13.5	13.74	12.23	12.34	55850	151140	95290	2.77	52975	122250	69275	1.58
(Watermelon)					43.9	42.6	43.29	39.73	8.96	60800	335332	274532	5.51	58815	278075	219260	4.73
Cucumber	Demonstration of Plant volatile based attractant to control fruit flies in Cucumber	Private	5	2	13.9	13.5	13.74	12.23	12.34	55850	151140	95290	2.77	52975	122250	69275	1.58
Ridgegourd					6.03	5.9	6.10	4.96	22.98	48801	84975	36174	1.74	44350	74325	29975	1.67

Tomato																		
Brinjal																		
Okra																		
Onion																		
Potato																		
Field bean																		
Others (pl.specify)																		
Total																		

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Commercial crops																	
Cotton	Management of Pink Bollworm in Bt.Cotton	Jadoo, Jackpot	20	8	22.1	17.3	20.50	17.52	18.8	24300	98400	74100	4.00	29200	87600	58400	3.00
Sugarcane																	
Coconut																	
Others (pl.specify)																	
Total																	
Fodder crops																	
Maize (Fodder)																	
Sorghum (Fodder)																	
Others (pl.specify)																	
Total																	

H-High L-Low, A-Average

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

PART VII.TRAINING(2018-19)

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	01	11	03	14	03	-	03	14	03	17
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	01	15	02	17	03	02	05	18	04	22
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	02	28	12	40	10	09	19	38	21	59
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (Organic Farming)	01	17	03	20	03	-	03	20	03	23
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (Importance of soil testing and vegetable crop cultivation)	01	15	07	25	-	05	05	20	12	32
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	01	17	-	17	08	01	09	25	09	34
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	01	22	-	22	03	-	03	25	-	25
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (Dry land horticulture)	03	70	08	78	10	02	12	80	10	90
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-

Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
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	01	30	10	40	04	01	05	34	11	45
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	01	23	01	24	05	-	05	28	01	29
Balanced use of fertilizers	01	18	05	23	04	-	04	22	05	27
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	05	15	02	17	10	03	13	25	05	30
Poultry Management	01	15	10	25	12	03	15	27	13	40
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	01	10	08	18	03	02	05	13	10	23
Animal Disease Management	01	12	09	21	04	01	05	16	10	26
Feed and Fodder technology	01	13	08	21	03	02	05	16	10	26
Production of quality animal products	-	-	-	-	-	-	-	-	-	-

Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	01	-	60	60	-	03	03	-	63	63
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (Mushroom cultivation)	-	-	-	-	-	-	-	-	-	-
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	03	70	22	92	26	51	77	86	63	159
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	01	10	05	15	12	03	15	22	08	30
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	01	12	03	15	10	05	15	22	08	30
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	01	17	03	20	05	03	08	22	06	30
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	05	20	80	100	03	05	08	23	88	111
Apiculture	01	15	10	25	02	01	03	17	11	28
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	**36**	**475**	**271**	**749**	**143**	**102**	**245**	**613**	**374**	**999**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	02	23	10	33	05	01	06	28	11	39
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	01	18	03	21	04	03	07	22	06	28
Crop Diversification	01	22	04	26	08	-	08	30	04	34
Integrated Farming	01	22	-	22	08	-	08	30	-	30
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	01	08	02	10	15	05	20	23	07	30
Soil and Water Conservation	02	82	14	96	25	05	30	107	19	126
Integrated Nutrient Management	04	52	08	60	10	01	11	62	09	71
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (Terrace garden)	01	-	20	20	-	08	08	-	28	28
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	01	23	01	24	04	-	04	27	05	32
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-

Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
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	02	32	03	35	08	-	08	40	03	43
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	01	23	01	24	05	-	05	28	01	29
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	02	53	03	56	05	-	05	58	05	63
Poultry Management	03	60	15	75	10	05	15	70	20	90
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	01	32	02	34	05	01	06	37	03	40
Animal Disease Management	02	45	15	60	08	02	10	53	17	70
Feed and Fodder technology	01	35	15	50	10	-	10	45	15	60
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										

Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	4	79	15	94	35	04	39	114	19	133
Integrated Disease Management	01	21	02	23	8	-	8	29	02	31
Bio-control of pests and diseases	01	23	-	23	7	-	7	30	-	30
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	01	28	-	28	5	-	5	33	-	33
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	02	35	15	50	08	02	10	43	17	60
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	01	18	03	21	05	05	10	23	08	31
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	01	05	20	25	01	03	04	6	24	30
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**37**	**739**	**171**	**910**	**199**	**45**	**244**	**938**	**223**	**1161**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	02	36	06	42	05	03	08	41	9	50
Mushroom Production	02	15	32	47	03	01	04	18	33	51
Bee-keeping	02	43	08	51	05	01	06	48	9	57
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	01	23	03	26	05	01	06	28	04	32
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**7**	**117**	**49**	**146**	**18**	**6**	**24**	**135**	**55**	**190**

7.D. Training for Rural Youths 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
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	01	18	02	20	10	-	10	28	02	30
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	01	21	03	24	05	02	07	26	05	31
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	01	24	05	29	04	01	05	28	06	34
Mushroom Production	01	05	28	33	04	01	05	9	33	42
Bee-keeping	01	19	01	20	06	-	06	19	07	26
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	01	25	03	28	06	01	07	31	04	35
Sheep and goat rearing	01	30	05	35	05	-	05	35	05	40
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**7**	**142**	**47**	**189**	**40**	**5**	**45**	**176**	**62**	**238**

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	01	15	06	21	03	-	03	18	06	24
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	01	12	03	15	02	-	02	14	03	17
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	2	27	9	36	5	0	5	32	9	41

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

7.G. Sponsored training programmesconducted : Nil

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	**Production and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**	-	-	-	-	-	-	-	-	-	-
4	**Production of Inputs at site**	-	-	-	-	-	-	-	-	-	-
5	**Methods of protective cultivation**	-	-	-	-	-	-	-	-	-	-
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**	-	-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**	-	-	-	-	-	-	-	-	-	-
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-

Details of sponsoring agencies involved

1.

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

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, dying 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 Assessment	Total Expenditure (Rs.)	No. of Participants									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	13.04.2019	322082	09	09	18	-	02	02	09	11	20	Result is awaited
2.	Vermicompost producer	11.02.2019	16.04.2019		15	05	20	-	-	-	15	05	20	

PART VIII – EXTENSION ACTIVITIES(2018-19)

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	05	83	15	98	15	07	22	15	06	21
KisanMela	01	-	-	-	-	-	-	-	-	-
KisanGhosthi	01	23	07	30	7	2	9	04	02	06
Exhibition										
Film Show	05	-	-	-	-	-	-	-	-	-
Method Demonstrations	05	70	10	80	05	03	08	05	02	07
Farmers Seminar		-	-	-	-	-	-	--	-	-
Workshop		-	-	-	-	-	-	--	-	-
Group meetings	15	-	-	-	-	-	-	--	-	-
Lectures delivered as resource persons	12	-	-	-	-	-	-	--	-	-
Newspaper coverage	28	-	-	-	-	-	-	--	-	-
Radio talks	10	-	-	-	-	-	-	--	-	-
TV talks	12	-	-	-	-	-	-	--	-	-
Popular articles	04	-	-	-	-	-	-	--	-	-
Extension Literature		-	-	-	-	-	-	--	-	-
Advisory Services		-	-	-	-	-	-	--	-	-
Scientific visit to farmers field	97	-	-	-	-	-	-	--	-	-
Farmers visit to KVK	412	-	-	-	-	-	-	--	-	-
Diagnostic visits	04	-	-	-	-	-	-	--	-	-
Exposure visits	-	-	-	-	-	-	-	--	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	--	-	-
Soil health Camp	-	-	-	-	-	-	-	--	-	-
Animal Health Camp	-	-	-	-	-	-	-	--	-	-
Agri mobile clinic	-	-	-	-	-	-	-	--	-	-
Soil test campaigns	-	-	-	-	-	-	-	--	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	--	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	--	-	-
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	--	-	-
Celebration of important days (specify)	-	-	-	-	-	-	-	--	-	-
Any Other (Specify)	-	-	-	-	-	-	-	--	-	-
World honey bee day	01	-	-	-	-	-	-	--	-	-
World Environment day	01	-	-	-	-	-	-	--	-	-
Live web telecast of Prime Minister with farmers	01	-	-	-	-	-	-	--	-	-
Live web telecast of Prime Minister with SHGs group	01	-	-	-	-	-	-	--	-	-
Swachata he- sheva	01	-	-	-	-	-	-	--	-	-
MahilaKisan Divas	01	-	-	-	-	-	-	--	-	-
World food day	01	-	-	-	-	-	-	--	-	-
Vigilance awareness week programme	01	-	-	-	-	-	-	--	-	-
World Soil day	01	-	-	-	-	-	-	--	-	-
World Kisan Day	01	-	-	-	-	-	-	--	-	-
International Womens day	01	-	-	-	-	-	-	--	-	-
World forest and water day	01	-	-	-	-	-	-	--	-	-
Seed day kharif	01	-	-	-	-	-	-	--	-	-
Seed day rabi	01	-	-	-	-	-	-	--	-	-
Total	**625**	**176**	**32**	**208**	**27**	**12**	**39**	**24**	**10**	**34**

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

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy	GangavatiSona F/s		377	11,92059	95
		GangavatiSona T/L		2.5	7250	01
		GNV-10-89		35	102750	30
		GangavatiSona F/s		380	1330000	70
		GangavatiSona T/L		10	33000	02
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total				**804.5**	**2665059**	**198**

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	-	13	130	01
Fruits	Sapota	Kalipatti	-	101	4040	05
	Acid lime	Kagzi	-	202	2020	05
Ornamental plants	Durant, Badam, Jasmine, Cherry	-	-	92	985	10
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	Curryleaves	Local	-	39	390	02
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(Vegetable special)	Vegetable special	-	-	767	115050	70
Total				**1214**	**122615**	**93**

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	Vermicompost Units	4709 kg	28254	25
	Earth worms	10 kg	3500	10
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others (Azolla)	Azolla	9.5 kg	950	11
Total		**4729 kg**	**32704**	**46**

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	2430.30 L	71747	-
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		2430.30 L	71747	

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	
Research papers- National	
Technical reports	
Technical bulletins	02
Popular articles - English	
Popular articles – Local language	05
Extension literature	
Others (Popular article- Hindi)	01
TOTAL	

10.B. Details of Electronic Media Produced

Sl. No.	Type of media	Title	Details
1	CD / DVD	-	-
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	KVK Gangavathi (Koppal)	Whatsapp Group
4	Facebook account name	www.facebook.com/kvkgangavathi	Official page of Facebook
5	Instagram account name	www.instagram.com/kvkgangavathi	Instagram account

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

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

The Broad outline for the case study may be

Title :Vermicompost helped the women to earn lack rupees

Background :SmtSiadabi60 year old farm women from Bandral village of Gangavati, coming from poor farm family has inherited 7 acres of drylandthough agriculture is hardly lucrative proposition majority of people still depend on agriculture and wage labour for their livelihood she incurred more loss then profit in agriculturebut keen interest and self-belief can make agriculture a dependable enterprises.

Interventions: 2004 Saidabi participated in training programme on Vermicompost production after training with grate enthusiastically she started vermicompost production with only two pits in front for her mud house.

Process : instead of burning farm waste in her farm land she also collected farm waste with neighboring farmers field, even though she does not have livestock she collected cowdungwhich is fallen on the village road and she stored infront of her house for vermicompostproduction yearly she sold she produce 50 t. of

vermicompost and 50 kg of earthworms profit earned from vermicomost she repaired her old house and purchase 40-50 grams of gold ornament and also utilize money for grandchildren marriage

Technology :

Impact :

Horizontal Spread : inspired by her success other women of village started producing vermicompost she also participate resource person in department sponsored trainings. farmers from neighboring district Bellary, Koppal, Bagalkot purchased vermicompost. She know thinking value addition of vermicompost

Economic gains : She got monitory benefit around 01 lack per year

Employment Generation: Her sons and grand children were engaged vermicompost production

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

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

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

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

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

Other Details

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

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A.Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
Total				

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samplesanalyzed	No. of Farmers benefited	No. of Villages
Soil Samples	6474	6250	3514
Water Samples	4259	4182	2122
Plant samples			
Manure samples			
Others (specify)			
Total	**10733**	**10432**	**5636**

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

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages
Soil Samples	1093	1041	497
Water Samples	731	684	514
Plant samples			
Manure samples			
Others (specify)			
Total	**1824**	**1725**	**1011**

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status: Nil

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

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

	Progress during 2018-19	Cumulative progress
Samplesanalyzed (No.)	**-**	**-**
Farmers benefited (No.)	**-**	**-**
Villages covered (No.)	**-**	**-**

11.3 Details of soil health cards issuedbased on SWTL &Mobile Soil Testing Kitduring 2018-19: Nil

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	05.12.2018 to 31.03.2019	59	98	99	99
Mobile Soil Testing Kit	-	-	-	-	-

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participated (No.)	Media coverage (No.)
01	127	50	01	05	20	03

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 (*Cryptolaemus*)	500	20	Rs. 0.0/ Unit	Rs. 5000/ acre
Demonstration of High yielding Onion variety (BhimaShakthi)	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)

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
• 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
• 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 Preparation	07	03	-
02	**Research projects**				
03	**Training programmes**				
04	**Demonstrations**				
05	**Extension Programmes**				
	KisanMela	KisanMela	15	01	Organised 2 days Kisanmela with exhibition
	Technology Week				
	Exposure visit				
	Exhibition	Exhibition from agriculture allied departments	15	01	-
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

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

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

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

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

13F. Details of linkage with RKVY : Nil

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

13G. Kisan Mobile Advisory Services

Month	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		
April 2018	Text	1	-	-	-	2	-	3	2526
May	Text	2	-	-	-	-	1	3	2526
June	Text	4	-	-	-	1	1	6	2526
July	Text	4	-	-	-	1	1	6	2526
August	Text	3	-	-	-	1	-	4	3547
September	Text	2	1	-	-	1	1	5	3547
October	Text	3	-	-	-	1	1	5	3547
November	Text	4	-	-	-	1	-	5	3547
December	Text	2	-	-	-	1	-	3	3758
January 2019	Text	1	1	-	-	-	2	4	3758
February	Text	1	-	-	-	-	1	2	3758
March	Text	-	-	-	-	-	1	1	3758
Total		**27**	**2**	**-**	**-**	**9**	**9**	**47**	**39324**

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Vermicompost Units	2011	0.1	-	Commercial	4709 kg	-	28254	Cost of input is included under farm activity
	Earth worms	2011	0.1	-	Commercial	10kg		3500	
2	Horticulture Nursery	2013	0.2	-	Commercial		-		The mentioned quantity of planting material was supplied to 73 farmers
3	Chaff Cutter Cum Grinder	2013	1No.	-	Demo	-	-	-	-
4	Nutrition Garden	2013	0.05	-	Demo	-	-	-	-
5	Vegetable Special	2014	01 Unit	-	Commercial	767	-	115050	The mentioned quantity of Vegetable Special was supplied to 55 farmers
6	Dairy	2015	01 Unit	Cow/ Buffalo	Commercial	2430.30 L	-	71747	-

7	Honey bee unit	2014	01 unit	-	Demo	-	-	-	-
8	Azolla Unit	2013	2 No.	-	Demo	9.5 kg	-	950	-
9	Millet Processing Unit	2013	1 No.	-	Commercial	25 kg	-	150	-

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Cereals (Paddy)	27-6-16	3-12-2016		GangavatiSona F/s	Seed	710.50	-	1167250	333.50 q. in stock
				GangavatiSona T/L	Seed	10		25500	7.5 q. in stock
				GNV-10-89	Seed	54.50		64350	19.50 q. in stock
	14.7.2017	10.01.2018		GNV-10-89	Commercial	136.69	-	218704	-
2018-19	08.08.2018	03.12.2018		GangavatiSona F/S	FS	256.75		898625	
				GangavatiSona C/S	C/S	124.25		422450	
				R.P. Bio		56		92400	
				GangavatiSona	Commercial	134.6		215360	
				BPT-5204	Commercial	97.8		156480	
				Kaverisona	Commercial	10		16000	
				GangavatiSona	Rejected	4		4800	
				GangavatiSona	Rejected	8		9600	
				R.P. Bio	Rejected	4.5		5850	
Pulses		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Oilseeds		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Fibers		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Spices & Plantation crops									
		-	-	-	-	-	-	-	-
Floriculture		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Fruits		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Vegetables		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Others (specify)									

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

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

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

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

14E. Utilization of hostel facilities

Accommodation available (No. of beds) : 36

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2018	11	23	-
May	54	417	-
June	54	23	-
July	50	42	-
August	32	275	-
September	16	18	-
October	104	39	-
November	51	49	-
December	66	48	-
January 2019	12	20	-
February	31	54	-
March	56	34	-

14F. Database management: Nil

S.No	Database target	Database created
-	-	-

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

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

PART XV - FINANCIAL PERFORMANCE

15A. 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	SBI	Gangavati	009752	Gen.KVK	10809525754	583002227	SBIN0009752
ICAR	SBI	Gangavati	009752	ICAR R.F	10809526032	583002227	SBIN0009752
Trg. RF	SBI	Gangavati	009752	Trg. R.F	30177604463	583002227	SBIN0009752
Soil & water test lab RF	SBI	Gangavati	009752	Soil & water test lab RF	32826370227	583002227	SBIN0009752

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

S. No.	Particulars	Sanctioned	Released	Expenditure (Rs.)
A. Recurring Contingencies				
1	**Pay & Allowances**	131.52	13152000	10332193
2	**Traveling allowances**	0.95	-	110082
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	981664	1,88,071
B	POL, repair of vehicles, tractor and equipments	1.50		1,49,338
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00		95,560
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.15		4,144
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.39		2,58,967
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.32		24,540
G	Training of extension functionaries	-		-
H	*Extension activities/services*	0.24		7,400
I	*Farmers' Field School*	-		-
J	*EDP (2 Nos.) / Innovative activities*	0.10		9,039
K	*Soil & water testing & issue of soil health cards*	0.15		9,000
L	*Maintenance of building*	0.50		35,341
M	*Farmers Conclave, KVK Conference*	-		-
N	*Video production*	-		-
O	*Library (Purchase of Journals, Periodicals, News Papers& Magazines)*	0.10		4562
	TOTAL (A)	**141.92**	**141.33**	**1,12,28,237**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments 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)		**141.92**	**141.33**	**1,12,28,237**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
ICAR Revolving Fund				
April 2016 to March 2017	**400167**	**2160292**	**2023083**	**537376**
April 2017 to March 2018	**537376**	**2169958**	**2605896**	**101438**
April 2018 to March 2019	**101438**	**3533691**	**2818463**	**816666**
SWTL Revolving Fund				
April 2016 to March 2017	770888	609348	237919	1142317
April 2017 to March 2018	1142317	8300450	435159	1537203
April 2018 to March 2019	1537203	156213	1693416	0
Training Revolving Fund				
April 2016 to March 2017	214876	212029	125413	301492
April 2017 to March 2018	301492	120605	200336	221761
April 2018 to March 2019	221761	60627	282388	0

16. Details of HRD activities attended by KVK staff :

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
SmtManjulaHalakatti	Senior Assistant	Training on PFMS	GKVK, Bangalore	10-11, August 2018
SmtAkkamahadevi K	Assistant			
Mr. RaghavendraYaligar	Scientist (Agril. Entomology)	ASCI Training	GKVK, Bangalore	24-26, September 2018
Dr. Jyothi R.	Scientist (Horticulture)			
Mr. ChandrakanthKotabagi	Programme Assistant (Computer)	Training on PFMS	UAS, Raichur	16-17, October 2018
SmtAkkamahadevi K	Assistant			
Dr. Mahanthesh M.T.	Scientist (Animal Science)	Quality seed production in forage crops	IGFRI, Dharwad	25-27, March, 2019

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