1KRISHI VIGYAN KENDRA HASSAN

ANNUAL REPORT -2017-18

(FOR THE PERIOD FROM 01 APRIL 2017 TO 31 MARCH 2018)

KrishiVigyanKendra Hassan – 573 217
Tel: 91-8172-256092
hassan.kvk@gmail.com
University of Agricultural Sciences,
GKVK Campus, Bangalore-560 065, Karnataka
Tel: 91-80-23330153 / 23418883
Fax: 080-23414848 / 23516836
vc@uasbangalore.edu.in

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		
Krishi Vigyan Kendra, Kandali, Hassan-573217	Office: 08172-256092	--	hassan.kvk@gmail.com kvkhassan@uasbangalore.edu.in	www.kvkhassan.com

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, Bengaluru- 65	080- 23330153 & 23418883	080 – 23414848 / 23516836	vc@uasbangalore.edu.in	www.uasbangalore.edu.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Rajegowda	Hassan	09449866932/08172- 256092	rajegowdakrishnegowda@gmail.com

1.4. Year of sanction: 1991

1.5. Staff position as on 31 March 2018

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. Rajegowda	Senior Scientist & Head	M	Sericulture	M.Sc.(Sericulture) Ph.D	15600-39100	26110	28.12.2016	Permanent	GEN
2	Scientist	Dr.M.Shivashankar	Scientist(Home Science)	M	Home Science	M.Sc (Home Science), Ph.D	15600-39100	25010	22.03.2007	Permanent	SC
3	Scientist	Dr.Ashok Doddamani	Scientist(Agril. Extn.)	M	Agriculture Extension	M.Sc (Agril. Extn), Ph. D.	15600-39100	21600	26.03.2018	Permanent	SC
4	Scientist	Vacant	--	--	--	Horticulture	--	--	--	--	--
5	Scientist	Vacant	--	--	--	Plant protection	--	--	--	--	--
6	Scientist	Vacant	--	--	--	Soil Science	--	--	--	--	--
7	Scientist	Vacant	--	--	--	Animal Science	--	--	--	--	--

8	Programme Assistant (Lab Tech.)	Dr. A.C.Girish	Programme Assistant	M	Programme Assistant	M.Sc. (Agri), Ph.D (Appl. Zoology), PDF	9300-34800	17570	23.10.2010	Permanent	GEN

9	Programme Assistant (Computer)	Smt. Roopa, C.H	Programme Assistant (Computer)	F	Programme Assistant (Computer)	B.Sc. (Computer science)	9300-34800	17570	22.01.2011	Permanent	GEN
10	Farm Manager	Miss. Amurutha K	Farm Manager	F	Farm Manager	B.Sc(Agri.)	9300-34800	18000 (consolidated)	01.03.2018	Temporary	Gen
11	Assistant	Mr. Mohan kumar, E.P	Assistant	M	Assistant	MBA	16000-29600	16000 (consolidated)	02.02.2017	Contract	GEN
12	Jr. Stenographer	Mrs. Rukmani, H.K	Stenographer Grade III	F	Jr. Stenographer (Typist cum computer operator)	M.A	14500 consolidated	14550 consolidated	02.06.2016	Contract	OBC
13	Driver - 1	Mr. Vishwanath	Driver	M	-	9th pass	14550-350-26700	18100	17.10.2008	Permanent	SC
14	Driver - 2	Mr.Manjunatha	Driver	M	-	SSLC	11600-200-21000	12750	14.08.2012	Permanent	OBC
15	SS-1	Sumithra K.N	Messenger	F	Messanger	10th Pass	9600	9600 (consolidated)	05.07.2003	Contract	GEN
16	SS-2	Vacant	--	--	Asst. Cook cum care taker	--	--	--	--	--	--

1.6. Total land with KVK (in ha): 19.64 ha.

S. No.	Item	Area (ha)
1	Under Buildings	6.15
2.	Under Demonstration Units	5.00
3.	Under Crops	8.49

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	UAS + ICAR	1983	13.52 150.52	114000.00	--	--	--
2.	Farmers Hostel	ICAR	2001	216.00	1432000	--	--	--
3.	Staff Quarters					--	--	--
	1. C type & D type	UAS	1985	683.00	661000	--	--	--
	2 C Type- 5 Nos.	ICAR	2011	333.33	1530000	--	--	--
4.	Demonstration Units					--	--	--
	1. Green house and heat chamber with FLP sheet and total GI structure	NHM	01.04.2008	108.00	88560	--	--	--
	2. Poly house round tunnel shaped	NHM	01.04.2008	108.00	70200	--	--	--
	3. Top vent poly house with					--	--	--
	a) Exhaust fan	NHM	24.06.2009	-	24400	--	--	--
	b) Cooling fan	NHM	27.06.2009	-	34800	--	--	--
	c) Syntex	NHM	26.06.2009	-	2450	--	--	--
	4. Shade net house	NHM	28.03.2008	192.00	21120	--	--	--
	5. Sales counter	NHM	01.04.2008	-	94900	--	--	--

	6. Gene Bank – Coconut, Mango, Cashew, Sapota, Mandrin, Medicinal plants	NHM	2008-09	-	-	--	--	--
	7. Dairy Shed	ICAR	2002	28.00	-	--	--	--
	8. Piggery Shed	ICAR	2002	100.00	-	--	--	--
	9. Piggery Farrowing unit	RKVY	2011	100.00	260000	--	--	--
	10. Poultry Shed	ICAR	2003	100.00	100000	--	--	--
	11 Vermicompost unit	National Center of Organic Farming	March 2008	108.00	150000	--	--	--
	12. Sheep unit	ICAR	2003	-	100000	--	--	--
	13. Sericulture Unit	ICAR	1999	80.00	274000	--	--	--
5	Fencing	UASB		-		--	--	--
6	Rain Water harvesting system	ICAR	2008	-	-	--	--	--
7	Threshing floor	-	-	-		--	--	--
8	Farm godown	UAS	1985	-	65000	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor with trailor (TAFE)	1999	3,13,046.00	--	Not in Good condition
Tractor with trailor (TAFE),	Shifted from KVK, Magadi	-	2435 hr	Good Condition
Mini Bus (Swaraj Mazda)	2001	6,86,646.00	284633	Good Condition
Jeep (Mahindra Marshal)	2003	3,64,468.00	36957	Good Condition
Motor Cycle (TVS)	2005	50,000.00	60532	Good condition
Motor Cycle (Honda Activa)	2009	49971.00	48280	Good condition

C) Equipment's & AV aids

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
Farm, Agro Processing and demonstration machines / Units				

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
1	Multipurpose Power operated inter cultivator	2002	38,000.00	Not in good condition
2	Multi crop thresher	2002	79,000.00	Not in Good Condition
3	Ragi de – stoner (1/2 ton capacity)	2002	50,000.00	Good condition
4	Flour mill	2002	21,000.00	Good condition
5	Potato chips making machine	2002	34,000.00	Not in good condition
6	Power operated maize cob Sheller cum sunflower threshing machine.	2002	15,000.00	Good condition
7	Chaff cutter	2002	4,500.00	Good condition
8	Hot air oven	2002	7,500.00	Not in good condition
9	Tray drier	2003	17,600.00	Good condition
Audio Visual aids:				
3	TV with VCP & CD player	2000	34,400.00	Good condition
4	Flannel Board	2000	22,000.00	Good condition
5	Projector screen	2004	5,000.00	Good condition
6	White Board	2000	6,000.00	Good condition
7	Multimedia Projector	2007	49,303.00	Not in Good Condition
8	Multi Media Mounting Kit	2007	16,650.00	Good Condition
Office Equipments& furniture				
1	Refrigerator	2002	28,500.00	Good condition
2	Fax machine	2000	12,702.00	Good condition
3	Computer HCl Pentium Core 160 GB with accessories	2007	33,800.00	Good Condition
4	Photo copying Machine – (E- Studio 163 Toshiba)	2007	42,300.00	Good Condition
5	Konika Minolta Colour Printer	2007	26,520.00	Not in Good Condition
6	Tables 25	2016	88737	Good Condition

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
7	LCD project	2016	81319	Good Condition
8	Tables and chairs	2016	59500	Good Condition
9	P type chairs 45	2016	48949	Good Condition
10	Visiting chair	2016	35000	Good Condition
11	Revolving chair	2016	49739	Good Condition
12	Dining table	2016	32249	Good Condition
13	Richo Xerox machine	2016	91468	Good Condition
14	Sun energy solar water heater system	2016	40000	Good Condition
Equipments Purchased under RKVY				
1	Desk Top Computers	2008	46000.00	Good condition
2	Printer	2008	31290.00	Good condition
3	Digital copier cum net work printer (Xerox machine)	2008	55120.00	Good condition
4	Display boards	2008	30000.00	Good condition
5	Computer table	2008	5558.00	Good condition
6	Computer chairs	2008	3542.00	Good condition
7	LCD	2008	44990.00	Not in Good Condition
8	Motorized screen	2008	23000.00	Good condition
9	Video camera	2008	184000.00	Good condition
10	Voltage stabilizer	2008	5520.00	Good condition
11	Touch screen information KIOSK	2008	124569.00	Not in Good condition
12	Visual production unit	2008	599500.00	Good condition
13	Auto Clave – vertical	2009	28687.50	Good condition
14	Research Microscope M.No. Rx lr – 3B with phase contrast attachment	2009	66555.00	Good condition
15	Laminar airflow PSM Make Horizontal Model	2009	54013.00	Good condition

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
16	Hot Air Oven PSM make	2009	24166.00	Good condition
17	Micro Pipette	2009	21180	Good condition
18	XP 800 A4k6Aoo6-034 Exide Battery	2016	5800	Good condition
19	1B80C ceramic steel interactive Board	2016	30595	Good condition
20	UPS luminous 3.5 KV	2017	28410	Good condition
21	Battery (Luminous)	2017	48090	Good condition
22	Kent Pearl water purifier	2017	17000	Good condition
23	HP Laserjet screen Printer	2017	80000	Good condition
24	Bolero Jeep	2017	666162	Good condition
25	Voltas A/C & V-Guard Stabilizer	2017	95000	Good condition
26	Luminous UPS & V – guard battery	2017	79720	Good condition

1.8. Details of SAC meeting conducted during 2017-18: NIL

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

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rainfed Farming System: Horticulture-Animal Husbandry, Ragi / Sugarcane- Animal Husbandry
2	Rainfed Wet farming with plantation.
3	Irrigated Wet land- Animal husbandry
4	Assured Rainfed/ semi irrigated Potato / Maize based Cropping System/ Vegetable- Animal husbandry/Sericulture Tobacco Based Cropping System / Rainfed Double Cropping System- Animal Husbandry

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

Sl. No	Agro-climatic Zone	Characteristics
1.	Central Dry Zone	Total rainfall is 456 to 717 mm. Most of the rainfall is received from May to October Elevation: 800 – 900 m in major areas and 450-800 m in remaining areas. Soils are red sandy loam and deep black in remaining areas.
2.	Southern Dry Zone	This zone receives a low rainfall of 600-900 mm during Pre-monsoon, South West and North East monsoon seasons. Elevation: 800 – 900 m in major areas and 450-800 m in remaining areas. Soils – Red sandy loam in major areas and black soils in some parts.
3.	Southern transition zone	Rainfall: 700-1050mm rainfall spread out in three distinct periods as pre monsoon, monsoon and north east monsoon. Elevation: 800-900 m in major areas and partly 450-800 m and in other areas 900-1500 m.
4.	Hilly Zone	Rainfall: 2800-2900 mm during Pre-monsoon, South West and North East monsoon seasons Elevation: 800-900 m in major areas, 900-1500 m some places and 450-800 in some places Soils: Red clay loamy soils in major areas.

S. No	Agro Ecological Situation	Characteristics
1	Zone IX AES - 2	High elevation and high rainfall belt Major Crops: Coffee, Paddy, Cardamom, Mandarin, Banana, Pulses. Area, Sakaleshpur Rain fall: 2896 mm Altitude: 800 – 1000 m from MSL Rainy Days – 114 Soil: Red, Sandy loamy to Clay loamy Major Cropping systems: Coffee + Pepper + Cardamom, Areca + Cardamom, Areca + Cardamom + Pepper + Banana, Paddy followed by pulses Special features: Long duration Kharif Paddy, Drill sowing in Paddy

S. No	Agro Ecological Situation	Characteristics
2	Zone VII AES 2 (RS-HR) AES (RL-HR) 4	Red sandy soil and high rainfall Area covered: Halebeedu and Madihalli hoblies of Belur Taluk, Alur kasaba and Kundur hoblies of Alur Taluk and all five hoblies of Arkalgud taluk Soils: Red sandy soils Rainfall: 941.5 mm Altitude: 579 m to 968 m Major Crops: Paddy, Ragi, Jowar, Maize, Pulses, Groundnut, Sesamum, Sunflower, Cotton, tobacco, Mulberry, Sugarcane, Plantation Crops Area covered: Arehalli, Belur Kasaba and Bikkod Hoblies of Belur Taluk. Palya and K.Hosakote hoblies of Alur Taluk. Soil: Red loamy Rainfall: 1319.3mm Elevation : 960-1052 m Major Crops: Paddy, Ragi, Jowar, Maize, Pulses, Groundnut, Sesamum, Sunflower, Cotton, tobacco, Mulberry, Sugarcane, Plantation Crops
3	AES (RS-MR) -5	All five hoblies of Hassan taluk, all three hoblies of Holenarasipura taluk Soil:Red sandy Rainfall: 796.07 mm Crops: Sesamum, groundnut, Horsegram, Dolichos, Paddy, ragi, jowar, sunflower, cotton, sugarcane,and tobacco
4	AES (Irrigated) 7	Scattered in all Agro Ecological Situations of zone. Soil: Lateritic, Red sandy, Red loamy, Red and Black mix Crop: Paddy, Ragi, Jowar, Groundnut, Sugarcane, Arecanut
5	Adverse soil AES 8	Scattered in all AES of zone; Soil: Saline, acidic, alkaline Crop: paddy
6	Zone 4 AES I	RL - LR Total rainfall is 456 to 717 mm. Most of the rainfall is received from May to October. Elevation: 800 – 900 m in major areas and 450-800 m in remaining areas. Soils are red sandy loam and deep black in remaining areas Crops-Jowar, groundnut, redgram, pulses, small millets, sugarcane, paddy, cotton, ragi, wheat, maize and plantations

S. No	Agro Ecological Situation	Characteristics
7	Zone 6 AES I	RL-MR This zone receives a low rainfall of 600-900 mm in pre-monsoon as well as in South west and north east monsoon seasons Elevation: 800 – 900 m in major areas and 450-800 m in remaining areas Soils – Red sandy loam in major areas and black soils in some parts Crops-Jowar, pulses, small millets, groundnut, oilseed, paddy. Ragi, cotton, sugarcane, Mulberry, plantations

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Alfisols	The soils of Hassan are largely formed under the influence of climate, vegetation and relief. The soils range from deep to very deep in nature and one dark brown to yellowish red in colour. In terms of productivity, nearly half of the area of soils in Hassan are known to be productive with deep soils characterized with moderate to well drained conditions. The problematic soils in terms of salinity, sodicity, severe erosion and shallow depth accounts for 1/5th of the total geographical area. However, the remaining 1/3rd of soils can be effectively used with good management practices.	64364
2	Entisols		7713
3	Inceptisols		41438

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Paddy	42818	105631	2255
2	Ragi	64661	73889	1044
3	Maize	79058	168082	2523
4	Green gram	9066	554	61
5	Bengal gram	1797	628	349
6	Potato	8670	251905	29
7	Tomato	1498	60319	40266
8	Chilli	887	21284	23995
9	Cucumber	851	7488.8	8800
10	Banana	4160	114981	27630
11	Coconut	64876	636751	9815
12	Ginger	18000	234000	1300
13	Hebbal Avare	2382	3388	1422
14	Cowpea	12816	2008	156

* Dept. of Statistics, Hassan 2016-17 data

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April 2017	38.6	35.98	19.02	79.9
May 2017	167.8	35.52	23.94	79.83
June 2017	--	29.55	16.36	82.36
July 2017	112.16	30.03	14.21	84.25
August 2017	145.4	30.94	16.05	84.06
September 2017	200.6	32.29	16.86	82.60
October 2017	94.2	31.26	17.92	82.83
November 2017	22.4	29.74	17.96	84.53
December 2017	4.8	28.76	10.84	83.19
January 2018	--	29.09	12.18	77.70
February 2018	74.2	36.76	15.15	80.57
March 2018	34.8	32.03	17.25	80.93

* India meteorology department Hassan

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

Category	Population	Production	Productivity
Cattle			
Crossbred	181594	1452752	12-15 liter/cow/day
Indigenous	606460	-	2-3 liter/cow/day
Buffalo	141264	-	3-4 liter/cow/day
Sheep			
Crossbred	-	-	-
Indigenous	160685	3650 tons meat/year	40-50 kgs of B.wt/./animal
Goats	99405	7193 Tons meat/year	32-38 Kgs of body weight/animal
Pigs			
Crossbred	2155	254 tons of pork/year	80-100 Kgs of body weight/animal
Indigenous	-	-	-
Rabbits	924	-	2.5-3 Kgs of body weight/animal
Poultry			
Hens	-	-	-
Desi	2578599	-	50-60 eggs/hen/year
Improved	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	2100 ha	8924 MT	0.424 MT
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

*** Livestock census 2012**

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

2.7 District profile has been **Updated** for 2017-18 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	C.R. Patna (tq.)	Dandiganahalli	Katharigatta, Baladare, Vagarahalli, Janivara, Baralu, Bandihalli, Mellenahalli, Janivara, Baralu, Bandihalli, Mellenahalli, Chinnenahalli, Janivara, Bekka,Bediganahalli, Chikkanduru,	3	Mulberry coconut Dairy Coconut Mulberry	Zinc and boron deficiency in soils, Cocoon yield loss due to disease outbreak (25-30 %)loss due to uzi fly infestation (15-22%) Lack of awareness, shortage of CSR-2 seed cocoon and high cost of the cross breed DFLs Low yield, button shedding, Black headed catterpillar menace, Rhinoceros beetle, Red palm weevil, stem bleeding incidence Milk fever, Loss of body Fibrosis of the udder, Lower milk yield Lower milk quality Lower milk yield,Lower milk quality (Fat %, SNF)Incidence of ruminal acidosis	INM, IPDM, Seed production, ICM Disease management Silage management
2	Sakaleshapura	Bikkodu	Malali	1	Coffee Pepper Cardamum	Flower & fruit drop due to micronutrient deficiency	INM
3	Alur Tq	Kasaba	Hampanakuppe, Belagodu, Kanathur, Kumbarahalli, Karjuvalli,	5	Coffee Fishries Goat	Low productivity of local carp & underutilization of pond productivity Incidence of diseases, reduced growth	Varietal evaluation, Health management in livestock

4	Belur tq	Kasaba	Shettigere,.	8	Ginger Coffee Pepper	Low yield of existing var. & susceptibility to soft rot (40 to 70%)	Varietal evaluation
5	Holenarasipura tq.	Hallimysore	Billenahalli	2	Cucumber Ragi Maize	Low yield	ICM
6	ArasikereTq.	Bageshpura, Gandasi	Bageshpura, Gandasi	4	Mango Green gram Banana Little Millet Bengalgram Coconut	Low yield, Flower dropping / fruit fly /hopper / sooty mould/anthracnose Non adoption of short duration varieties Low yield due to Imbalanced Nutrient Management and low nutrient Use Efficiency Low yield due to Local variety and improper agronomic practices Wilt susceptible varietiesLow yield - Moisture stress during crop growth period	ICM, Crop production INM
7	Hassan Tq.	Halekote	Hangrahalli, Nidudi, Thindihalli, Arekere, Doddakalluru Agasarahatti, Narahallikoppalu, Malakanahalli,	5	Nutrition Garden Fisheries Piggery	Malnourishment & nutrition deficiency Low productivity and lack of management Incidence of bacterial, viral and parasitic diseases, Piglet anemia reduced growth and productivity	Nutrition security Composite Fish Culture Vaccination and feeding practices
8	Arkalagud Tq.	Ramanathapura	J. Hosalli, Gangur, Shettihalli	2	Groundnut Paddy Arecanut Tobacco	Low yield due to local variety and improper agronomic practices	ICM

2.9 Priority thrust areas

S. No	Thrust area
1	Varietal introduction
2	Integrated Crop Management
3	Integrated Nutrient Management
4	Value Addition and nutritional security
5	Diseases management in livestock
6	Integrated management in piggery
7	Infertility in dairy animals
8	Fresh water Fish culture
9	Information Communication Technology
10	Human Resource Development

PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
05	05	18	18	19	17	205	205

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
31	41	960	1213	348	2761	6375	6419

Seed Production (Q)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
100	55.6	30000	25344

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
50	17	1000	240
		100	27

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	INM	Mulberry	Zinc and boron deficiency in soils	Assessment of micronutrient application in Mulberry garden	--	2(24)	--	--	4	--	--			
2	INM	Bengalgram	Wilt susceptible varieties Low yield - Moisture stress during crop growth period	Assessment of Foliar micronutrient application in Coffee Assessment of Bengal gram varieties for wilt and drought resistance	--	1(59)	--	--	3	--	--			
3	INM	Coffee	Flower & fruit drop due to micronutrient deficiency	Assessment of Foliar micronutrient application in Coffee	--	1(15)	--	--	4	--	--			
4	Varietal evaluation	Fisheries	Low productivity of local carp & underutilization of pond productivity	Assessment of Rearing Amur common carp under poly-culture system in fish ponds	-	1(10)	--	--	5	--	--			
5	Varietal evaluation	Ginger	Low yield of existing var. & susceptibility to soft rot (40 to 70%)	Assessment of Ginger varieties suitable for Hassan District	---	1(16)	--	--	4	--	--			
6	IPDM	Cocoon	Cocoon yield loss due to disease outbreak (25-30 %)loss due to uzi fly infestation (15-22%)	--	Improved silkworm rearing practices for cocoon yield maximization	1(11)	--	1(28)	9	--	--			
7	Seed production	Silk worm	Lack of awareness, shortage of CSR-2 seed cocoon and high cost of the cross breed DFLs	--	Demonstration of CSR-2 silkworm seed production	1(20)	--	--	12	--	--			
8	ICM	Cucumber	Low yield	--	Integrated crop management in Cucumber	1(10)	--	--	3	--	--			

9	ICM	Mango	Low yield, Flower dropping / fruit fly /hopper / sooty mould/anthracnose	--	Integrated Crop Management in Mango	1(16)	1(30)	--	4	--	--			
10	ICM	Coconut	Low yield, button shedding, Black headed catterpillar menace, Rhinoceros beetle, Red palm weevil, stem bleeding incidence	--	Integrated crop management in Coconut	1(29)	--	--	3	--	--			
11	Crop production	Green gram	Non adoption of short duration varieties	--	Demonstration on Green gram variety BGS- 9	1(12)	--	--	4	--	--			
12	INM	Banana	Low yield due to Imbalanced Nutrient Management and low nutrient Use Efficiency	--	Integrated Nutrient Management in Banana	1(31)	--	--	5	--	--			
13	ICM	Little Millet	Low yield due to Local variety and improper agronomic practices	--	Integrated Crop Management in Little Millet	1(31)	--	--	7	--	--			
14	Nutrition security	Nutrition Garden	Malnourishment & nutrition deficiency	--	Demonstration of Nutrition Garden in School	1(42)	--	1(36)	5	--	--			
15	Composite Fish Culture	Fisheries	Low productivity and lack of management	--	Demonstration of Composite Fish Culture	1(18)	--	--	5	--	--			
16	Health management in livestock	Goat	Incidence of diseases, reduced growth	--	Integrated Disease Management in Goat	1(35)	--	--	3	--	--			
17	Disease management	Dairy	Milk fever, Loss of body	--	Management of dairy cows during transitional period	1(17)	--	--	4	--	--			
18	Vaccination and feeding practices	Piggery	Incidence of bacterial, viral and parasitic diseases, Piglet anemia reduced growth and productivity	--	Integrated approach to enhance piggery production	1(22)	--	--	3	--	--			

19	Disease management	Dairy	Fibrosis of the udder, Lower milk yield Lower milk quality	--	Integrated Management to control Mastitis in cows	1(29)	--	--	5	--	--			
20	Silage making	Dairy	Lower milk yield,Lower milk quality (Fat %, SNF)Incidence of ruminal acidosis	--	Integrated Nutritional interventions in dairy Animals to enhance milk yield	1(19)	--	--	5	--	--			
21	ICM	Bengal Gram	Low yield due to local variety and susceptible to wilt and drought	--	Integrated Crop management in Bengal Gram	1(68)	--	--	6	--	--			
22	ICM	Groundnut	Low yield due to local variety and improper agronomic practices	--	Integrated Crop management in Groundnut	1(25)	--	--	5	--	--			

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Extension activities
1	2	3	4	5	6	7	8
1	Assessment of micronutrient application in Mulberry garden	ITK	Mulberry	1	--	2	4
2	Assessment of Foliar micronutrient application in Coffee Assessment of Bengal gram varieties for wilt and drought resistance	UAS, Raichur	Bengalgram	1	--	1	3
3	Assessment of Foliar micronutrient application in Coffee	CCRI, Kerala	Coffee	1	--	1	4
4	Assessment of Rearing Amur commoncarp under poly-culture system in fish ponds	KVAFSU, Bidar	Fisheries	1	--	1	5

5	Assessment of Ginger varieties suitable for Hassan District	IISR, Calicut	Ginger	1	--	1	4
6	Improved silkworm rearing practices for cocoon yield maximization	CSRTI, Mysore	Cocoon	--	1	1	9
7	Demonstration of CSR-2 silkworm seed production	CSRTI, Mysore	Silk worm	--	1	1	12
8	Integrated crop management in Cucumber	UAS(B)	Cucumber	--	1	1	3
9	Integrated Crop Management in Mango	UAS(B)	Mango	--	1	1	4
10	Integrated crop management in Coconut	UAS(B)	Coconut	--	1	1	3
11	Demonstration on Green gram variety BGS- 9	UAS, Raichur	Green gram	--	1	1	4
12	Integrated Nutrient Management in Banana	NRC, Thrichy	Banana	--	1	1	5
13	Integrated Crop Management in Little Millet	UAS(B)	Little Millet	--	1	1	7
14	Demonstration of Nutrition Garden in School	UAS(B)	Nutrition Garden	--	1	1	5
15	Demonstration of Composite Fish Culture	UAS(B)	Fisheries	--	1	1	5
16	Integrated Disease Management in Goat	KVAFSU, Bidar	Goat	--	1	1	3
17	Management of dairy cows during transitional period	NDRI, Karnal	Dairy	--	1	1	4
18	Integrated approach to enhance piggery production	KVAFSU, Bidar	Piggery	--	1	1	3

19	Integrated Management to control Mastitis in cows	KVAFSU, Bidar	Dairy	--	1	1	5
20	Integrated Nutritional interventions in dairy Animals to enhance milk yield	KVAFSU, Bidar	Dairy	--	1	1	5
21	Integrated Crop management in Bengal Gram	UAS, Raichur	Bengal Gram	--	1	1	6
22	Integrated Crop management in Groundnut	UAS(B)	Groundnut	--	1	1	5

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**
3	1	1	--	-	-	-	-	18	4	2	--	--	--	--	--
2	--	--	--	-	-	-	-	47	8	4	--	--	--	--	--
2	1	1	1	-	-	-	-	9	3	2	1	--	--	--	--
3	--	1	--	-	-	-	-	7	2	1	--	--	--	--	--
1	--	1	--	-	-	-	-	12	3	1	--	--	--	--	--
-	-	-	-	7	1	2	--	26	11	1	1	--	--	--	--
-	-	-	-	8	1	1	--	16	2	1	1	--	--	--	--
-	-	-	-	6	1	3	--	8	--	1	1	--	--	--	--
-	-	-	-	4	--	1	--	12	2	--	2	--	--	--	--
-	-	-	-	5	--	--	--	23	4	2	--	--	--	--	--
-	-	-	-	8	1	1	--	9	--	1	2	--	--	--	--
-	-	-	-	4	--	1	--	23	3	3	2	--	--	--	--
-	-	-	-	17	3	5	--	26	4	1	--	19	1	3	--
-	-	-	-	5	--	--	--	58	11	6	3	--	--	--	--
-	-	-	-	3	--	2	--	13	2	2	1	--	--	--	--
-	-	-	-	4	--	1	--	27	7	--	1	11	--	4	

-	-	-	-	3	--	1	--	13	2	2	--	38	--	2	--
-	-	-	-	2	--	1	--	18	1	3	--	--	--	--	--
-	-	-	-	7	--	2	--	21	4	--	4	33		4	
-	-	-	-	5	--	--	--	16	2	1	1	29		3	
-	-	-	-	49	11	6	1	54	7	4	3	--	--	--	--
-	-	-	-	18	3	1	--	18	2	3	2	--	--	--	--

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management				1				1		2
Varietal Evaluation			1	1						2
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			**1**	**2**				**1**		**4**

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

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

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

Thematic areas	**Cattle**	**Poultry**	**Piggery**	**Rabbit**	**Fisheries**	**TOTAL**
Evaluation of Breeds					1	1
Nutrition Management						
Disease of Management						
Value Addition						

Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
TOTAL					**1**	**1**

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	Mulberry	Assessment of micro nutrient application in mulberry garden	5	5	1
	Coffee	Effect of Foliar nutrition of micronutrient on growth & yield of Coffee	2	2	1

Varietal Evaluation	Bengalgram	Assessment of Bengalgram varieties for wilt and drought resistance	5	5	2
	Ginger	Assessment of Ginger varieties suitable for Hassan District	2	2	2
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.2. Technologies Refined under various Crops: NIL

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	Fisheries	Assessment of Rearing Amur common carp under poly-culture system in fish ponds	4	4
Nutrition management	--	--	--	--
Disease management	--	--	--	--
Value addition	--	--	--	--
Production and management	--	--	--	--
Feed and fodder	--	--	--	--
Small scale income generating enterprises	--	--	--	--
Total			**4**	**4**

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				

Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

4.C1.Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield ha	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
Mulberry	Rainfed	Micronutrient deficiency Imbalanced nutrient application Lack of awareness	Assessment of Micro nutrient Management in mulberry	5	**FP**: NPK @ 350:140:140 Kg + 20 ton FYM / ha/year (Soil) + Foliar application of Micronutrients (2.5ml/lit)	CSRTI (MYS) & UAS(B)	41.17	ton	No. of shoots Shoot length No. of leaves/pl. Leaf yield/pl.	1,13,850	1.24	--
					T1:NPK @ 350:140:140 Kg + 20 ton FYM / ha/year + Zinc sulphate @ 10 Kg/ ha/year + Borax 1Kg/ ha/ year (Soil application).	ITK	48.06	ton		143500	1.48	--
Bengal gram	Rainfed	Local variety Incidence of wilt 40-50% Drought	Assessment of Bengalgram Varieties for Wilt and Drought conditions	4	FP: Annigere-1 (Susceptible to wilt)	UAS (D)	8.45	q	Soil fertility status (pre & post) Germination & establishment Days to 50% flowering	28000	1.87	-
					T1 : : JG – 11 variety (Breakdown of wilt – 20%)	UAS (B)	9.21	q		44573	2.38	-

					T2: JAKI – 9218 variety (Resistant to wilt & drought)	UAS (B) JNKVV	10.52	q	% Wilt Incidence Yield (Qtl/ha.) B:C ratio	58420	2.78	-
					T3 : GBM-2 variety (Resistant to wilt & high yield) -	UAS (Raichur)	9.47	q		51435	2.57	-
Coffee	Rainfed	Low yield due to flower drop in coffee	Effect of Foliar nutrition of micronutrient on growth & yield of Coffee	5	FP: 64 :48:64 NPK kg/ha	UAS,(B)	1375	kg	Number of beans/branch Beans yield (kg/plant)	42500	2.00	-
					T1:64:48:64 NPK +19:19:19	UAS,(B)	1562	kg		52250	2.10	-
					T2:T1+ foliar spray of Zinc(0.5%) & Boron (0.1 %) 2 sprays at 15 Days interval at flower bursting stage	CCRI, Kerala	1812	kg		70750	2.55	-
Ginger	Irrigated	Low yield due to susceptibility of existing varieties to Soft rot disease	Assessment of Ginger varieties suitable for Hassan District	2	**FP:**Ginger – Var. Rio de Generio (17.65 t/ha)	FP	**In progress**		Plant height (cm) No. of tillers/clump Rhizome weight /clump (Kg), No. of fingers, Yield/ha (t.).			
					T1: Ginger – Var. Varadha+Microbiel consortium (Trichoderma -10 kg Pseudomonas -10 kg)	FP						
					T2: Ginger – Var. Varadha(22.6 t/ha) + Chemical fungicide (COC -1.5 kg, Metaloxyl -1 kg)	IISR Calicut						

Fisheries	Irrigated	Low productivity of local carp & underutilization of pond productivity	Assessment of Rearing Amur common carp under poly-culture system in fish ponds	4	FP: Mono-culture Single species	FP	**In progress**	Yield (kg/pond) Fish Weight(Kg)			
					T1:Rearing of local Common Carp in poly-culture (2:2:3 - Catla: Rohu: Common Carp)	UAS (B)					
					T2: Culture of Amur common carp in poly-culture system (Catla: Rohu: Amur Common Carp under poly culture – 2:2:2)	KVAFSU, Bidar					

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

1. Title of Technology Assessed : Assessment of Micro nutrient Management in mulberry

2. Performance of the Technology on specific indicators:

3.Specific Feedback from farmers: Leaves are lush green, succulent & no wastage of leaf

4.Specific Feedback from Extension personnel and other stakeholders: Application ZnSo4& Boron micronutrient enhances leaf yield & quality

5. Feedback to Research System based on results and feedback received: Need to study on other micronutrients deficiency effect on quality of leaf

1. Title of Technology Assessed : Assessment of Bengalgram Varieties for Wilt and Drought conditions

2. Performance of the Technology on specific indicators:

3.Specific Feedback from farmers: The variety JAKI-9218 is susceptible to wilt compare to Annigere-1 and also increased yield

4.Specific Feedback from Extension personnel and other stakeholders: Wilt tolerant and gives higher yield

5. Feedback to Research System based on results and feedback received: Drought come wilt tolerant variety required

1. Title of Technology Assessed : Effect of Foliar nutrition of micronutrient on growth & yield of Coffee
2. Performance of the Technology on specific indicators:

3.Specific Feedback from farmers: Obtained higher yield, better quality and quantity of coffee berries

4.Specific Feedback from Extension personnel and other stakeholders: Application of micronutrient helps better growth & yield of coffee berry

5. Feedback to Research System based on results and feedback received: Suitable microbial combination for soil application in coffee

1. Title of Technology Assessed : Assessment of Ginger varieties suitable for Hassan District
2. Performance of the Technology on specific indicators: in Progress

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

1. Title of Technology Assessed : Assessment of Rearing Amur common carp under poly-culture system in fish ponds
2. Performance of the Technology on specific indicators: in Progress

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 :NIL

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

4.D.2. Details of Technologies refined:

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

PART V - FRONTLINE DEMONSTRATIONS

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
1	Oilseeds	Rainfed	Summer	Groundnut	K-6		ICM	Integrated crop management in Groundnut	16	16	1	21	16	6
2	Pulses	Rainfed	Kharif	Chick pea	JAKI-9218	--	Crop production	Integrated crop management in Chickpea	26.8	26.8	6	61	49	18
3		Rainfed	Kharif	Greengram	BGS-9	--	Crop production	Green gram variety **BGS- 9** & Seed treatment with bio-fertilizers Soil Test Based fertilizer application	4	2	1	9	7	3

								Foliar spray of Pulse Magic @ 5g/lit (2 sprays @ 15 days interval after 45 days						
	Cereals													
4	Millets	Rainfed	Kharif	Little millet	OLM-203	- -	Crop production	Improved variety - OLM-203 Soil test based nutrient appln. Intercropping with Red gram(5:1)	10	10	5	20	17	8
5	Vegetables	Irrigated	Kharif	Cucumber	Hassan Local	- -	ICM	Vegetable Spl. Trichoderma, Pseudomonas	4	4	3	7	7	3
	Flowers													
	Ornamental													
6	Fruit	Irrigated	Karif	Banana	G-9	- -	INM	Fertigation schedule in Tissue Culture Banana (G-naine) Foliar appln. of banana spl. Bunch feeding of NKS	2	2	1	4	3	2
7		Rainfed	Kharif	Mango	--	- -	ICM	Mango special	4	2	1	4	3	2
	Spices and condiments													
	Commercial													
	Medicinal and aromatic													
	Fodder													
8	Plantation	Rainfed	Kharif	Coconut	--	- -	ICM	Borax Trichoderma FYM Pseudomonas Neem Cake Aluminium phosphide Pheromone traphs Swabbing trunk with COC Root feeding of Hexaconozole Cotton plugging with DDVP Release of Bio-agents	2	2	-	5	2	3

	Fibre													
9	Dairy	--	Rabi	Dairy Cows	--	--	Disease management	CMT-Kit,Povidine Iodine Liquid,vit ADE3 inj(weekly for4 weeksfor immunity boostup,Disinfection of Cowshed KMNO4 crystals-FC Cow mat-FC	15	9	2	7	6	3
10		--	Rabi	Dairy cows	--	--	Management of livestock	Concentrated feed, mineral mixture, Fembendazole, Chelated Ca and Mg	19	10	1	3	3	1
11		--	Rabi	Dairy cows	--	--	Silage making	Urea enrichment,Chalf cutting, TMR,MineralMixture,silage and ration Balancing(TDN,,CP,Ca and P)	25	20	--	5	3	2
	Poultry													
	Rabbitry													
12	Piggery	--	Rabi	Piggery	--	Yarkshire	Vaccination and feeding practices	Piperzin,Iron, Injection, Vaccines and Mineral mixture	15	75	1	2	2	1
13	Sheep and goat	--	Rabi	goat	--	--	Health management in livestock	Fembendazole,Ivermectin,Vitamin and Mineral supplemenntation(Zn,cu,ChelatedCa and Mg)	25	30	1	4	2	1
	Duckery													
14	Common carps	Irrigated	Kharif	Fisheries	Catla, Rohu, Grass carp, Common carp	--	Composite fish culture	High Yielding varieties(2:1:1:1) Catla, Rohu, Grass carp, Common carp	2	2	2	3	3	2
	Mussels													
	Ornamental fishes													

	Oyster mushroom													
	Button mushroom													
	Vermicompost													
15	Sericulture	Rainfed	kharif	Mulberry	--	--	IPDM	Disinfection - Three stage disinfection of Silkworm rearing house &equipments. Use of recommended dosage of bed disinfectant . Growth enhancer Mixing of 5 ml growth enhancer (Serimore) with 2 L of boiled and cooled water and spraying on to the 5th instar 2nd day old silkworms IPM in Uzifly management Fixing nylon mesh to windows & doors with an arrangement of anteroom Using uzi trap @ 12 tablets / 100 DFLs Fixing one sticky uzi trap on windows outside & inside each	1000dfls	1000dfls	2	8	6	3
16		Irrigated	Kharif	Silkworm	CSR-2	--	Seed production	Seed production - CSR-2	1000	1000	1	9	7	2
	Apiculture													
	Implements													
	Others (specify)													
17	Nutrition garden	--	Kharif	Nutrition garden	--	--	Nutrition security	Nutrition garden establishment for balanced vegetable consumption	0.12	0.12	--	5	4	1
18	Little millet	--	Kharif	Little millet	--	--	Marketing strategies	Processing, value addition, Packaging and branding	1SHG	1SHG	--	27	9	18

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	
1	Oilseeds	Rainfed	Summer 2017-18	Ground nut	K-6		ICM	Integrated crop management in Groundnut	Summer 2017-18	M	M	M	Paddy
2	Pulses	Rainfed	Kharif 2017-18	Chick pea	JAKI-9218	--	Crop production	Integrated crop management in Chickpea	Kharif 2017-18	M	M	M	Ragi
		Rainfed	Kharif 2017-18	Greengram	BGS-9	--	Crop production	Green gram variety **BGS- 9** & Seed treatment with bio-fertilizers Soil Test Based fertilizer application Foliar spray of Pulse Magic @ 5g/lit (2 sprays @ 15 days interval after 45 days	Kharif 2017-18	M	M	M	Ragi
3	Cereals	Rainfed	Kharif 2017-18	Little millet	OLM-203	--	Crop production	Improved variety - OLM-203 Soil test based nutrient appln. Intercropping with Red gram (5:1)	Kharif 2017-18	M	M	M	Ragi
4	Vegetables	Irrigated	Kharif 2017-18	Cucumber	Hassan Local	--	ICM	Vegetable Spl. Trichoderma, Pseudomonas	Kharif 2017-18	M	M	M	Bhendi
	Flowers												
	Ornamental												
5	Fruit	Irrigated	Karif 2017-18	Banana	G-9	--	INM	Fertigation schedule in Tissue Culture Banana (G-naine) Foliar appln. of banana spl. Bunch feeding of NKS	Kharif 2017-18	M	M	M	Banana
		Rainfed	Kharif 2017-18	Mango	--	--	ICM	Mango special	Kharif 2017-18	M	M	M	Mango
	Spices and condiments												

	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation	Rainfed	Kharif 2017-18	Coconut	--	--	ICM	Borax Trichoderma FYM Pseudomonas Neem Cake Aluminium phosphide Pheromone traphs Swabbing trunk with COC Root feeding of Hexaconozole Cotton plugging with DDVP Release of Bio-agents	Kharif 2017-18	M	M	M	Coc ocm ut
	Dairy	--	Rabi 2017-18	Dairy Cows	--	--	Disease management	CMT-Kit,Povidine Iodine Liquid,vit ADE3 inj(weekly for4 weeksfor immunity boostup,Disinfection of Cowshed KMNO4 crystals-FC Cow mat-FC	Rabi 2017-18				
		--	Rabi 2017-18	Dairy cows	--	--	Management of livestock	Concentrated feed, mineral mixture, Fembendazole, Chelated Ca and Mg	Rabi 2017-18				
		--	Rabi 2017-18	Dairy cows	--	--	Silage making	Urea enrichment,Chalf cutting, TMR,MineralMixture,silage and ration Balancing(TDN,,CP,Ca and P)	Rabi 2017-18				
	Fibre												
	Piggery	--	Rabi 2017-18	Piggery	--	Yarkshire	Vaccination and feeding practices	Piperzin,Iron, Injection, Vaccines and Mineral mixture	Rabi 2017-18				

	Sheep and goat	--	Rabi 2017-18	Sheep and goat	--	--	Health management in livestock	Fembendazole,Ivermectin, Vitamin and Mineral supplemenntation(Zn,cu,ChelatedCa and Mg)	Rabi 2017-18				
	Common carps	Irrigated	Kharif 2017-18	Fisheries	Catla, Rohu, Grass carp, Common carp	--	Composite fish culture	High Yielding varieties(2:1:1:1) Catla, Rohu, Grass carp, Common carp	Kharif 2017-18				
	Sericulture	Rainfed	Kharif 2017-18	Silkworm	--	--	IPDM	Disinfection - Three stage disinfection of Silkworm rearing house &equipments. Use of recommended dosage of bed disinfectant . Growth enhancer Mixing of 5 ml growth enhancer (Serimore) with 2 L of boiled and cooled water and spraying on to the 5th instar 2nd day old silkworms IPM in Uzifly management Fixing nylon mesh to windows & doors with an arrangement of anteroom Using uzi trap @ 12 tablets / 100 DFLs Fixing one sticky uzi trap on windows outside & inside each	Kharif 2017-18				
		Irrigated	Kharif 2017-18	Silkworm	CSR-2	--	Seed production	Seed production - CSR-2	Kharif 2017-18				
Others		--	Kharif 2017-18	Nutrition garden	--	--	Nutrition security	Nutrition garden establishment for balanced vegetable consumption	Kharif 2017-18				
		--	Kharif 2017-18	Little millet	--	--	Marketing strategies	Processing, value addition, Packaging and branding	Kharif 2017-18				

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	Integrated crop management in Groundnut	K-6	--	Rainfed	22	16	In Progress												
Pulses	Integrated crop management in Chickpea	JAKI-9218	--	Rainfed	67	26.8	19	10	18.19	15.76	44.84	55000	109182	54182	1.98	52000	94560	42560	1.81
	Green gram variety **BGS-9** & Seed treatment with bio-fertilizers Soil Test Based fertilizer application Foliar spray of Pulse Magic @ 5g/lit (2 sprays @ 15 days interval after 45 days	BGS-9	--	Rainfed	20	8	10	5	8.75	7.25	20.69	19100	39375	20275	2.06	18750	36625	13875	1.9
Cereals																			
Millets	Improved variety - OLM-203 Soil test based nutrient appln. Intercropping with Red gram(5:1)	OLM-203	--	Rainfed	25	10	12	6	10.14	7.61	25	6375	24640	18265	3.8	5910	18492	12582	3.1

Vegetables	Vegetable Spl. Trichoderma, Pseudomonas	Hassan Local	--	Irrigated	10	4	18.6	16.2	17.8	14.9	19.46	35600	95890	60290	2.69	30800	72620	41820	2.35
Flowers																			
Ornamental																			
Fruit	Fertigation schedule in Tissue Culture Banana (G-naine) Foliar appln. of banana spl. Bunch feeding of NKS	--	--	Irrigated	5	2		Result in progress											
	Mango special	--	--	Rainfed	5	2		Result in progress											
Spices and condiments																			
Commercial																			
Fibre crops like cotton																			
Medicinal and aromatic																			

Fodder																			
Plantation	Borax Trichoderma FYM Pseudomonas Neem Cake Aluminium phosphide Pheromone traphs Swabbing trunk with COC Root feeding of Hexaconozole Cotton plugging with DDVP Release of Bio-agents	--	--	Rainfed	5	2	7200	5900	6800	5300	28.3	32800	81600	48800	2.48	28382	63600	35218	2.24
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.)

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

5.B.2. Livestock and related enterprises

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	CMT-Kit,Povidine Iodine Liquid,vit ADE3 inj(weekly for4 weeksfor immunity boostup,Disinfection of Cowshed KMNO4 crystals-FC Cow mat-FC	--	9	9	4600	3400	3905	2165	80.36	72550	113245	40695	1.56	45564	62785	17320	1.38
	Concentrated feed, mineral mixture, Fembendazole, Chelated Ca and Mg	--	4	36	4850	2950	4100	2106	10337	75791	118900	43109	1.56	42336	58464	16128	1.38
	Urea enrichment,Chalf cutting, TMR,MineralMixture,silage and ration Balancing(TDN,,CP,Ca and P)	--	5	25	4800	3850	4320	2900	48.96	79010	125280	46270	1.58	60900	84100	23200	1.38
Poultry																	
Rabbitry																	
Piggery	Piperzin,Iron, Injection, Vaccines and Mineral mixture	--	3	265	100	85	91.7	64	43.28	3249	10087	6838	3.10	2560	7040	4480	2.75
Sheep and goat	Fembendazole,Ivermectin,Vitamin and Mineral supplemenntation(Zn,cu,ChelatedCa and Mg)	--	25	5	26	16.5	22.6	16.5	36.96	984	5650	4666	5.74	900	4125	3225	4.58
Duckery																	

Others (pl.specify)																		

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

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

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

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	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	High yielding varieties(2:1:1:1) Catla, Rohu, Grass carp, common carp	Catla, Rohu, Grass carp, common carp	5	2	900	600	970	725	33.7	13500	77600	67800	5.7	11000	58000	49500	5.2
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				% 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																	
Button mushroom																	
Vermicompost																	

Sericulture	Disinfection - Three stage disinfection of Silkworm rearing house &equipments. Use of recommended dosage of bed disinfectant . Growth enhancer Mixing of 5 ml growth enhancer (Serimore) with 2 L of boiled and cooled water and spraying on to the 5th instar 2nd day old silkworms IPM in Uzifly management Fixing nylon mesh to windows & doors with an arrangement of anteroom Using uzi trap @ 12 tablets / 100 DFLs Fixing one sticky uzi trap on windows outside & inside each	CSR-2	10	1000DFL	75	48	61.50	52.30	17.50	9512	23985	14473	1.52	9014	16893	78789	0.87
	Seed production - CSR-2	CSR-2	10	1000	62.4	59	60.70	61.0	--	9915	36420	26505	3.6	9512	23790	14278	2.5
Apiculture																	

Others (pl.specify)																	
Nutrition garden	Nutrition garden establishment for balanced vegetable consumption	--	5	0.12	320	100	210	146	43.80	1090	5825	4735	5.3	920	3650	2730	3.9
Marketing stratergies	Processing, value addition, Packaging and branding	--	--	--	27	1SHG											

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

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

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

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	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.)

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	01	49	--
2	Farmers Training	23	559	--
3	Media coverage	--	--	--
4	Training for extension functionaries	2	64	
5	Others (Please specify)	--	--	--

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross 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																		
Others (pl.specify)																		
Total																		
Cucumber																		
Tomato																		
Brinjal																		
Okra																		
Onion																		
Potato																		
Field bean																		
Others (pl.specify)																		
Total																		
Commercial crops																		
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

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										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	5	142	11	153	13	0	13	155	11	166
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
ICM in horticulture	1	0	27	27	3	0	3	3	27	30
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	25	5	30	1	0	1	26	5	31
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										

Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
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										
Integrated water management										
Integrated nutrient management										

Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Sheep & Goat farming	1	26	1	27	7	2	8	33	3	36
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										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Apculture	2	74	3	77	4	15	22	87	18	99
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										

Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										

Mobilization of social capital										
Entrepreneurial development of farmers/youths	**8**	**136**	**118**	**254**	**4**	**1**	**5**	**140**	**119**	**259**
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**18**	**403**	**178**	**581**	**35**	**1**	**36**	**438**	**179**	**617**

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

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	6	104	9	113	23	0	23	129	7	136
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
ICM in cucumber	1	6	7	13	0	0	0	6	7	13
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 (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	16	0	16	0	0	0	16	0	16
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	1	23	6	29	0	0	0	23	6	29
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										
Integrated water management										
Integrated nutrient management	1	12	0	12	0	0	0	12	0	12
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										

Animal Nutrition Management										
Animal Disease Management	1	9	6	15	3	4	7	15	7	22
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	39	39	0	0	0	0	39	39
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	4	25	106	131	0	22	22	25	128	153
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	1	20	0	20	5	0	5	25	0	25
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										

Production of Inputs at site										
Seed Production										

Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)Sankalp s sidde										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**17**	**215**	**173**	**388**	**31**	**26**	**57**	**246**	**199**	**445**

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	8	186	133	319	10	1	11	196	134	330
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	1	50	15	65	6	0	6	55	15	71
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										

Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	9	236	148	384	16	1	17	252	149	401

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										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production	1	5	22	27	0	11	11	5	33	38
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										

Value addition	3	20	82	102	0	11	11	20	93	113
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	4	25	104	129	-	22	22	25	126	151

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	1	9	15	24	0	0	0	9	15	24

Integrated Pest Management	1	10	2	12	0	0	0	10	2	12
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	1	47	4	51	0	0	0	47	4	51
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	1	0	30	30	0	6	0	0	36	36
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										
Sericulture	1	22	3	25	2	1	3	24	4	28
Total	5	88	54	142	2	7	3	90	61	151

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 programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	**8**	**186**	**133**	**319**	**10**	**1**	**11**	**196**	**134**	**330**
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.	Bee keeping	**1**	**50**	**15**	**65**	**6**	**0**	**6**	**50**	**15**	**71**
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	**9**	**236**	**148**	**384**	**16**	**1**	**17**	**252**	**149**	**401**

Details of sponsoring agencies involved
1.KSDA, Hassan
2.MCF Hassan
3.ATMA, KSDA Hassan
4. Coffee Board Hassan
5. AIR, Hassan

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

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

			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Improved cultivation practices in horticulture	**1**	**0**	**27**	**27**	**3**	**0**	**3**	**3**	**27**	**30**
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										

	Grand Total	**1**	**0**	**27**	**27**	**3**	**0**	**3**	**3**	**27**	**30**

PART VIII – EXTENSION ACTIVITIES:2017-18

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	5	99	79	178				3		3
Kisan Mela										
Kisan Ghosthi										
Exhibition	5	750	680	1430						
Film Show	24	496	233	729	27	89				
Method Demonstrations	26	517	820	1337	78	52				
Farmers Seminar										
Workshop	2									56
Group meetings	11	127	40	167				8	1	9
Lectures delivered as resource persons	128	10318								
Newspaper coverage	27									
Radio talks	9									
TV talks	4									
Popular articles	21									
Extension Literature	12			2528						
Advisory Services	585			585						
Scientific visit to farmers field	76	216		216						
Farmers visit to KVK	1776	1520	256	1776						
Diagnostic visits	22	39	20	59						
Exposure visits	20	330	290	620				14	1	15
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	1	45		45						
Agri mobile clinic										
Soil test campaigns										

Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	4	242	169	411	62	16	78	304	185	489
Swach Bharath Abiyan	3	103	31	134						
Sankalpa se siddi	1	392	108	500						
KVK silver jubilee programme	1	205	198	503						
Total	**2763**	**15399**	**2924**	**11218**	**167**	**157**	**314**	**329**	**187**	**572**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALSFsoil

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)	Ragi	KMR 301		31.5	NSP+ Bulk 29575	
	Paddy	BR2655		14	NSP	
Pulses	Redgram	BRG 5		21.5	NSP	
	Green gram	--	--	2.6	9000	1
	Bengal gram	--	--	0.08	6750	1
Fodder crop slips	Fodder crop	Co-3	--	2730 no	2730	51
	Fodder crop	DHN-6	--	4850 no	4850	71
Total						**122**

9.B. Production of planting materials by the KVKs:2017-18

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Vegetable seedlings	Drumstick	PKM-1	--	6399	63990	27
Fruits	Papaya		Redlady	18737	187370	650
Medicinal and Aromatic	Chakramuni			153	1530	96
	Amuthaballi			26	260	9
	Insulin			17	170	4
Total				**25344**	**253440**	**786**

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided

Bio Fertilizers	Banana special	301	45150	98
	Ginger special	300	69500	144
Bio-pesticide				
Bio-fungicide	Trichoderma	120	14400	31
	Pseudomonas	40	4800	12
Bio Agents	Earthworm	52	1300	16
Others (specify)				
Total		**813**	**135150**	**301**

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Milk	HF cross	4111lt	108481	8
Sheep	Hassan local	1 adult + 6 lambs	31700	4
Rabit	Newzealand white	5	1500	3
Piglet	Yorkshire	5	12800	5
Total				

PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	S. Channakeshava, T.S. Manjunathaswamy, H.K Pankaja, G.S. Krishna Reddy, Rajegowda,	Effect of foliar application of vegetable special on growth and yield of potato international journal of applied micro sciences	1

Technical reports-1	H.K. Pankaja, S. Channakeshava, JadhavBalaji and G.S. Krishnareddy	Impact of Training Programme on Coconut Growers in Hassan District, India	1
News letters	e-news letter Hoysala	Editor: Rajegowda Co-editors: H.K. Pankaja, S. Channakeshava, Shivashankar. M., T.S. Manjunathaswamy, K.J. Katharaja, A.C.Girish	4
Technical bulletins-1	Rajegowda, H.K Pankaja,S. Channakeshava, M.Sivashankar, Rajegowda, T.S. Manjunathaswamy,	Souvenir	100
Popular articles-21	Moulyavarditha Mavinakayiya uppinakayi mattu thinisugalu	M.Shivashankar, H.K. Pankaja, Rajegowda	1
	Hasiru mane thanthrikate	T.S. Manjunathaswamy, H.K. Pankaja, S. Channakeshava,	1
	krishiyalli savayava padarthagala mahathwa	Naveen kumar B.T, Dr. A.C. Girish, Dr. Rajegowda	1
	Shunti beleya keeta rooga badhe nirvahana kramagalu	T.S. Manjunathaswamy, S. Channakeshava, H.K. Pankaja, Rajegowda,	1
	papaya sudharitha besaya kramagalu (1st baga)	T.S. Manjunathaswamy, S. Channakeshava, H.K. Pankaja, Rajegowda,	1
	papaya sudharitha besaya kramagalu	T.S. Manjunathaswamy, S. Channakeshava, H.K. Pankaja, Rajegowda,	1
	papaya sudharitha besaya kramagalu	T.S. Manjunathaswamy, S. Channakeshava, H.K. Pankaja, Rajegowda,	1
	mitha neru balakeya (are neervari)	B.T. Naveen kumar, A.C. Gireesh, Rajegowda, Jayaramaiha . R	1
	Baby corn beleya besaya kramagalu	B.T. Naveen kumar, Rajegowda, A.C. Gireesh,M.Shivashankar,	1
	Togari beleyalli pramuka Keeta mathu rogagala nirvahane	Channakeshava S., Vinutha B.S. M.R. Darshangowda, Rajegowda	1
	Kachakki (Hasiru thene ragi) ondu povsticka Ahara (1st)	Shivashankar M., Naveen kumar, Vinutha b.S	1
	Kachakki (Hasiru thene ragi) ondu povsticka Ahara (2nd)	Shivashankar M., Naveen kumar, Vinutha b.S	1

	Ahara Kalaberekeya bagge eccharike	M. Shivashankar, Krishmma p.N , H.K. Pankaja	1
	Southekayi bele nirvahane	T.S. Manjunathaswamy, S. Channakeshava, H.K. Pankaja, Rajegowda,	1
	Sushikshitha hecf. Vi. Rajashekar ravara kutumbada yashaswi krishi	H.K. Pankaja, S. Channakeshava,M.Shivashankar, T.S. Manjunathaswamy,	1
	Kadaleyalli adhika iluvaige sudharitha besaya kramagalu	S. Channakeshava, A.C. Gireesh, Vanitha S	1
	Raithara bennalubige shakthi thumbida Dhimantha nayaka Charan Sing	H.K. Pankaja,RajegowdaM. Shivashankar	1
	Kabbina beleyalli Rasavari poshakamshgala nirvahane	S. Channakeshava, Vinutha b.S H.K. Pankaja,	1
	Tricho derma - Jaivika Sheelindra nashaka	A.C. Gireesh, Rajegowda	1
	Tricho derma - Jaivika Sheelindra nashaka	A.C. Gireesh, Rajegowda	1
	Tricho derma - Jaivika Sheelindra nashaka	H.C. Girish, A.C. Gireesh, Rajegowda	1
Extension literature-1	S. Channakeshava,	Vermicomosting ICM in Bengal Gram	500
Books-3	H.K Pankaja, M.Sivashankar, Rajegowda, S. Channakeshava, K.J. Kantharaju	Mahila coffee belegarrige krishi puraka thanthrikathegalu	40
	H.K Pankaja, M.Sivashankar, Rajegowda,	Samagra krishi paddathigala Tanthrikathegalu	90
	H.K Pankaja, M.Sivashankar, Rajegowda,	Krishi Pooraka Thanthrikathegalu	90
Folder-8	M.Sivashankar, H.K Pankaja,Rajegowda,S. Channakeshava, T.S. Manjunathaswamy,	Moulyavarditha Halasina uthpannagalu, Belli mahothswa sanchike	500
	Dr. T.S. Manjunathaswamy, S.Channakeshava, H.K. Pankaja	Papaya folder	500

	Shivashankar M., T.S. Manjunathaswamy, H.k. pankaja	Jack fruit folders	500
	Shivashankar, Girish, Vinutha, Rajegowda	Shala makkala Samtholona Ahara	84
	Shivashankar,Pankaja, Girish, Rajegowda	Siridhanya Moulyavardhane hagu mahatva	84
	Girish, Pankaja, Shivashankar Rajegowda	Tricho derma	84
	Girish, Pankaja, Shivashankar, Rajegowda	KVK at a glance	84
Leaflet-1	S.Channakeshava, A.C.Girish, H.K. Pankaja, Rajegowda	Mannu parikhshe mattu adara mahatva	500
Training manual-2	S. Channakeshava, H.K Pankaja, M.Sivashankar, Rajegowda,	Dwidala danyagalalli samagra bele nirvahane	35
	S. Channakeshava, H.K Pankaja, M.Sivashankar, Rajegowda, T.S. Manjunathaswamy,	Kirudanyagalala sudharitha besaya kramagalu sasya thali samrakshane mathu raithara hakkugala kayide-2001	37

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
	DVD	**Celebration of Silver jubilee year**	**50**

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

1.Mulberry Cultivation Manifolds the Income of a Farmer

In India, sericulture is one of the most important enterprise, earning a foreign exchange of Rs. 400 corers / annum and providing gainful employment to over six million peoples. Today India is the second largest silk producer of raw silk and also has the distinction of being the world's largest consumer of silk. In developing countries such as India, agriculture and agro-based industries play a vital role in the improvement of rural economy. The limited availability of land, the limited cash returns and agriculture being confirmed to one or two seasons in the year, have made villages to look for supporting rural industries and one of them is sericulture. Karnataka sericulture has a history of more than 215 years and 91,491 hectares of land comes under mulberry plantation. Hassan district has diversified agro-climatic condition which is most suitable for seed cocoons production and all the taluks except Arakalagudtalukidentified has of Bivoltine Seed Area.

The major problems faced by the farmers was adoption of traditional variety, non-adoption of agronomic practices like spacing, improper nutrient application and indiscriminate use of chemicals for pest and disease management. Due to this the farmer average yield of mulberry was about 20-25 tons/ha/year as against the demonstrated yield of 40-50tons/ha/year.

Cultivation practices adopted by farmers before in intervention

- ✓ Cultivated traditional variety M-5.
- ✓ Spacing followed was 60cm*60cm*90cm.
- ✓ Organic manure application – compost @ 6tons/ha/year.
- ✓ Water management: Flood irrigation.
- ✓ Fertilizer usage: 200:100:100 kg/ha/year.
- ✓ Non adoption of micro-nutrients like ZnSO4 and Boron.
- ✓ Improper use of chemicals for disease and pest control.
- ✓ No inter cultivation and middle pruning operations.
- ✓ Non adoption of green manure crops.

Cultivation practices adopted by farmers during demonstration

- ✓ Adopted improved variety V1
- ✓ Followed paired row system -90cm*90cm*120cm
- ✓ Application of sufficient compost @ 20tons/ha after pruning at two intervals.
- ✓ Adopted drip irrigation
- ✓ Application of recommended andsoil test based fertilizer NPK @ 350:140:140 Kg/ha/year
- ✓ Application of micronutrients ZnSO4 @ 12Kg/ha/year and boron 1Kg/ha/year
- ✓ Cultivating green manure crops like sunhemp, cowpea, horsegram for soil fertility.

Variety Demonstrated:

V1 variety is very popular high yielding and highly suitable for silkworm rearing. It produces nutritive leaf which is essential for good growth of silkworm larvae. The leaves are oval broad shaped, thick and succulent dark greennature which yields 40-50 tons of leaf per hectare per year.

Capacity building programmes and educational activities:

Demonstration on introduction of high yielding mulberry variety (4 demos) and an assessment on management of giant snail by using poison bait technique in mulberry crop (20 demos) has been carried out in Vagarahalli, B.Chowdenahalli, Gyarahalli,Thenkanahalli and Katharigatta villages of Chennarayapatnataluk. In order to reach more number of farmers several extension activities such as 18 training programme (On and Off campus covering 442 farmers), 3 field days (118 farmers), 7 exposure visits (210 farmers), 16 group discussion (192 farmers), 26 field visits, 5 publications (210 farmers) were carried out by KVK, Hassan.

Output details:

The result of demonstration reveals that the average mulberry leaf yield of traditional variety M-5 was 117.2 qtl/0.4ha/yearas compared to the improved variety V-1 i.e., 214.2 qtl/0.4ha/ year, which was almost double (97qtl/0.4ha/year) than the traditional variety. The market price for traditional variety leafranges between Rs. 5 to Rs.7 per Kg and for improved variety it ranges between Rs. 6 to Rs. 12/Kg. which in turn helps to increase income of the farmer.

Profit and development:

Adoption of improved mulberry variety V1 resulted in an increase of mulberry leaf yield to an extent of 45 per cent as compared to the traditional variety. The average additional income gained by the farmer was Rs. 1,29,600/- per 0.4 hectare. The demonstration conducted motivated the farmers and line departments to spread the technology among neighboring farmers and villages. The data reveals that the area under mulberry cultivation during 2011 was 770ha which has been increased to an extent of 1460ha in 2017.

Table-1: Details of yield and income earned by the farmers

Sl. No.	Farmer Name	Village	Leaf yield in Qtl/0.4ha/Year (5 crops)		Before Intervention			After Intervention		
			Before	After	GI	GC	NI	GI	GC	NI
1	Praveen	Vagarahalli	122	225	73200	9600	63600	202500	11500	191000
2	Nagaraju	Appenahalli	110	208	66000	11000	55000	176800	12300	164500
3	Lokesh	B.Chowdenahalli	132	220	72600	10500	62100	220000	12000	208000
4	Javaregowda	Annenahalli	118	210	76700	8000	68700	199500	10500	189000
5	Rangegowda	Baladare	104	200	61500	9500	52000	210000	13000	197000

2.Success story of Mr Rudresh as an entrepreneur in Mushroom cultivation

Mr Rudresh, Devalapura, Ayurvalli post of Belur taluk aged 35 years educated 10th standard at Belur started growing mushroom in 2014 after getting awareness and training about mushroom cultivation from KVK Kandali under the guidance of Scientist (Home Science). As he was landless and dependent on income from mushroom, In the initial stages he was facing problem for marketing of mushroom grown in his farm. Later under the guidance and support from KVK he could market the produce in the local market by contacting local hotels and officers.

Interventions:

Training, method demonstration, consultancy and exposure visits to farms of entrepreneurs in mushroom cultivation in Chickmagalore and Mangalore region.

Technology demonstrated:

- Paddy straw processing: cutting, boiling and bagging.
- Bundle, spawn, bed preparation, cropping and harvesting
- Packing, labelling and marketing
- Value addition

Monthly he is using 30kgs of spawn to produce 260 kgs of oyster mushroom and sold at the rate of Rs. 130 per kg with a monthly net profit of Rs. 11,800 and an annual income of Rs. 1,32,000. He has got year round employment for himself and can provide additional employment to 2 or 3 members by taking up mushroom cultivation. He is also providing training to interested women SHGs about mushroom production and is acting as a resource person for training programs organised by training centres and will arrange for spawns for the new growers.

Overall Mr. Rudresh is a satisfied entrepreneur and has high aims in mushroom cultivation and has initiated the work of organising mushroom growers of Belur taluk by forming an Association under the guidance of KVK Kandali and Horticulture Department Belur. The association is under registration and marketing network for Mushroom has been established by Mr. Rudresh. As per Rudresh there is high demand for oyster mushroom and sky is the limit for its 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
1	Biofuel	100% Honge oil for running tractor	Farm use
2	Energy resource	Mobile operation of starter of borewell	Farm use

10.F. Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

10.G. Field activities

i. Number of villages adopted
ii. No. of farm families selected
iii. No. of survey/PRA conducted

10.H. Activities of Soil and Water Testing Laboratory

1. Status of establishment of Lab : Operational
2. Year of establishment : 2005
3. List of equipments purchased with amount :

Sl. No.	Nature Of The Equipment	Quantity	Cost
1	pH Meter	1	8,550.00
2	Conductivity Bridge	1	7,400.00
3	Physical Balance	1	12,000.00
4	Top Loading Balance	1	48,900.00
5	Kjeldahl Digestion & Distillation Unit	1	1,67,709.00
6	Flame Photometer	1	35,200.00
7	Spectrophotometer	1	42,000.00
8	Rotary Shaker	1	27,600.00
9	Glass Distillation Unit	1	48,850.00

Sl. No.	Nature Of The Equipment	Quantity	Cost
10	Refrigerator	1	15,850.00
11	Hot Air Oven	1	20,000.00
12	Hot Plate	1	5,500.00
13	Water Bath	1	9,990.00
	Laboratory Wares		
14	Wooden Almirah	1	11,995.00
15	Steel Almirah	1	7,750.00
16	Exhaust Fan	1	1,200.00
17	PUSA soil testing unit	1	75,000.00

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**14883**	**13182**	**5360**	**744150**
Water Samples	**5128**	**4881**	**2484**	**307680**
Plant samples	12	3	3	1440
Manure samples	20	20	9	2400
Copper Sulphate	37	13	14	2900
Lime	**253**	**78**	**57**	**25380**
Total	**20333**	**18177**	**7927**	**1083950**

Details of samples analyzed during the 2017-18:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**1197**	**1026**	**635**	**142000**
Water Samples	**770**	**723**	**606**	**113190**
Plant samples	**--**	**--**	**--**	**--**
Manure samples	**--**	**--**	**--**	**--**
Lime	**2**	**2**	**2**	**400**
Total	**1969**	**1751**	**1243**	**255590**

Details of soil health cards issued during the 2017-18 :

Date (s)	Farmers participated	No. of Samples analyzed	Soil health cards issued	No. of Villages	Public representatives participated	
					MLA/Minister	Other Dignitaries/ Chief guests
	1026	**1197**	**1197**	**635**	**--**	**CEO, ZP, Hassan**

10.I. Technology Week celebration during 2017-18 Yes/No, If Yes

Period of observing Technology Week: From 23.09.2017 to 27.09.2017
Total number of farmers visited : 426
Total number of agencies involved : 12
Number of demonstrations visited by the farmers within KVK campus : 8

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized	04	222	Flower crop, Little millet
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week			

10. J. Interventions on drought mitigation (if the KVK included in this special programme)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Total			

E. Seed distribution in drought hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Total				

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Total			

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Total												

PART XI. IMPACT

11.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)

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

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

11.C. Details of impact analysis of KVK activities carried out during the reporting period

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage

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

12.B. List 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.)
Farmers to Farmers training	21.06.2017	GOK	337500
Training to coffee growers	March- 2018	Coffee Board, Hassan	40200

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district: Yes

If yes, role of KVK in preparation of SREP of the district?

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**				
02	**Research projects**				
03	**Training programmes**	**For farmers**	**5**	**5**	
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				

	Agri-preneurs development				

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

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

12.E. Nature of linkage with National Fisheries Development Board

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

12.F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	**Video conference**	**Establishment of video conference**	**700000**	**567373**	**--**

12. G.Kisan Mobile Advisory Services

Month	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers (No.)
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
April 2017	Text	2	2	0	0	0	0	4	4020
May 2017	Text	5	1	0	0	0	4	10	4041

June 2017	Text	2	1	0	0	0	2	5	4052
July 2017	Text	4	3	0	0	0	2	9	4099
August 2017	Text	3	1	0	0	0	3	7	4116
September 2017	Text	2	0	0	0	0	3	5	4172
October 2017	Text	2	0	0	0	0	1	3	4272
November 2017	Text	1	0	0	0	0	1	2	4272
December 2017	Text	1	0	0	0	0	0	1	4450
January 2018	Text	4	0	0	0	0	0	4	4516
February 2018	Text	4	3	0	0	0	0	7	4519
March 2018	Text	0	3	0	0	0	2	5	4520
Total		**30**	**14**				**18**	**62**	

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. q	Cost of inputs	Gross income	
Cereals	01.06.2017		2	Ragi	FS and Bulk	31.5	26000	38500	Sent NSP
	15.07.2017		0.48	Paddy	CS	14	16500	28500	Sent NSP
	24.07.2017		0.2	Maize	Bulk	23.10	15000	26800	
	23.08.2017		0.8	Maize					
	23.08.2017		0.8	Maize					
Pulses	17.05.2017		2.5	Redgram	FS	21.5	32000	105000	Sent NSP
	11.05.2017		1.0	Greengram	Bulk	2.6	9600	10600	
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Earthworm	52	1000	13000	
2	Banana special	301	28595	45150	
	Trichoderma	120	7200	14400	
	Pseudomonas	40	2400	4800	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Pig	Yorkshire	Piglets	5	6600	12800	
2	Rabit	New zealand white	Adult	5	1000	1500	
3	Sheep	Hassan local	Adult and lambs	1 adult + 6 lambs	26700	31700	

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2017	--	--	
May 2017	--	--	
June 2017	19	2	
July 2017	--	--	

August 2017	--	--	
September 2017	0	0	
October 2017	42	17	
November 2017	117	9	
December 2017	63	14	
January 2018	36	01	
February 2018	30	2	
March 2018	--	--	

13.F. Database management

S.No	Database target	Database created

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

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 XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	Canara Bank	GKVK, Bangalore	-	-	-	-	-
With KVK	Canara Bank	Hassan	05311010	S.B.	45203	573015302	CNRB0000531

With KVK	Corporation Bank	Kandali	190	S.B.	019000101019381	573017303	CORP0000190
With KVK	Corporation Bank	Kandali	190	S.B.	019000101019441	573017303	CORP0000190
With KVK	Corporation Bank	Kandali	190	S.B.	019000101017028	573017303	CORP0000190

14.B. Utilization of KVK funds during the year 2017-2018(Rs. in lakh)

S. No.	Particulars	Sanctioned	Expenditure	Balance
A. Recurring Contingencies				
1	**Pay & Allowances**	7136000	6632532	503468
2	**Traveling allowances**	90000	92075	-2075
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	300000	300000	0
B	POL, repair of vehicles, tractor and equipments	346000	346000	0
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	125000	123580	1420
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	50000	49503	497
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	290000	290000	0
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	85000	82687	2313
G	Integrated farming system	50000	50000	0
H	Training of extension functionaries	25000	18450	6550
I	Extension Activities	145000	144690	310
J	FFS	30000	30000	0

K	EDP	10000	9868	132
L	Soil & water testing & issue of soil health cards	25000	23476	1524
M	Maintenance of buildings	150000	147818	2182
N	Farmers Conclave, KVK, Conference	55000	0	55000
O	Library	5000	4675	325
GRAND TOTAL		**8917000**	**8345354**	**571646**

14.C. Status of revolving fund (Rs. in lakh) for the 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
April 2015 to March 2016	476426	1333615	1259555	601714
April 2016 to March 2017	601714	1290294	1172991	719017
April 2017 to March 2018	719017	996237	1581287	133967

Status of revolving fund (Rs. in lakh) for the three years-Nursery

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
April 2015 to March 2016	64011	175200	118942	120194
April 2016 to March 2017	120194	229065	84597	264662
April 2017 to March 2018	264662	279320	231847	312135

15. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Kantharaja K.J	Scientist (Animal)	Nutrition and infertility management in dairy animals	NIANP, Adugodi, Bangalore	08.08.2017
H.K. Pankaja	Scienist(Agril. Extn)	Raitha para krushi lekanagala tarabethi karyakrama	STU Hebbal	11-16.12.2017
H.K. Pankaja	Scienist(Agril. Extn)	Master trainees training programme under ASCI	STU	17-19.01.2017

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

Village adoption programme

1. Training programme

Sl.No`	Particulars	No. of Programmes	No. of Participants
1	Integrated cultivation of ragi	1	39
2	Training programme on adopted in agriculture	1	38
3	Training programme on interaction between farmers and scientists	1	77
4	Integrated management in agriculture	1	50
5	Training and demonstration of vermi compost	01	10
6	Training programme on Mango, Banana, Arecanut	2	120
7	Training programme and demonstration on nutrition garden	2	50

8	Training programme on fresh water fish culture	2	40
9	Training programme on back yard poultry	2	120
10	Training programme on pulses	1	35

2. Interventions

Sl.No`	Particulars	No. of Farmers	Area (ha)
1	Introduction of ML-365 drought resistant and high yielding ragi variety	120	40
2	Introduction of giriraja and swarnadhara in back yard poultry	120	720 birds
3	Introduction of high yielding field bean HA-4	20	04
4	Introduction of high yielding Co-3 fodder	25	01
5	Introduction of high yielding drumstick variety PKM-1	10	02
6	Introduction of high yielding papaya variety	30	01
7	Demonstration on Melia dubia planting in waste land	30	10
8	Integrated cultivation of Banana grand naine	02	01
9	Introduction of dry land horticulture	10	02
10	Introduction of high yielding varieties of fish	05	02

2. Other activities

Sl.No`	Particulars	No. of Programmes	No. of Participants

1	Human health camp	1	120
2	Animal health camp	2	250
3	Soil health camp	2	140
4	Kandaya Adhalath	1	440
5	Exposure visit	5	210
6	Swatcha Barath Abiyana	2	150
7	Sankalpa se siddi	1	120