

KRISHI VIGYAN KENDRA, HAVERI (DISTRICT NAME)

ANNUAL REPORT -2017-18

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

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

GENERAL INSTRUCTIONS

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

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given by each KVK while preparing the report.
- Period of Report is from 01April 2017 to 31 March 2018
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables, graphs and photos.

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra Hanumanamatti-581115 Tq: Ranebennur , Dist: Haveri	08373- 253524	08373- 253524	kvk_haveri@rediffmail.com kvk.Haveri@icar.gov.in	www.kvkhaveri.org

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences Krishinagar, Dharwad-580005	0836- 2447783	0836- 2745276	vc_uasd@rediffmail.com	www.uasd.edu

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

Name	Telephone / Contact		
	Residence	Mobile	Email
	Dr. Ashoka P	9482071182	9448495338

1.4. Year of sanction: 1977

1.5. Staff position as on 31 March 2018

Sl . No.	Sanctio ned post	Name of the incumbent	Designati on	M / F	Discipli ne	Highest Qualific ation (for PC, SMS and Prog. Asstt.)	Pay Scale	Bas ic pay	Date of joini ng KV K	Perm anent / Tem porar y	Category (SC/ST/ OBC/ Others)
1	Head/Se nior Scientist	Ashoka P	Senior Scientist & Head	M	Agrono my	Ph.D, PGDNF	37400- 61000	464 00	03.0 2.18	Perm anent	ST
2	Scientist /SMS	K. P. Gundanna var	Ag. Entomolo gy	M	Ag. Entomo logy	Ph.D	37400- 61000	237 20	05.0 6.17	Perm anent	Other
3	Scientist /SMS	Shivamur uthy D	Agronom y	M	Agrono my	Ph.D	15600- 39100	248 40	20.0 2.18	Perm anent	Others
4	Scientist /SMS	Harish D. K	Horticultu re	M	Horticu lture	M.Sc.	37400- 61000	216 00	04.0 4.17	Perm anent	SC
5	Scientist /SMS	Venkanna Balaganur	Animal Science	M	Animal Science	Ph.D	15600- 39100	228 40	24.0 7.17	Perm anent	OBC
6	Scientist /SMS	Kumara B H	Soil Science	M	Soil Science	Ph.D	15600- 39100	248 40	31.0 3.18	Perm anent	Others
7	Scientist /SMS	Vacant	Ag. Extn.	-	-	-	-	-	-	-	-
8	Program me Assistant (Lab Tech.)	Kishna Naik L	Program me Assistant (Lab)	M	Ag. Entomo logy	M.Sc.	9300- 34800	101 25	09.0 5.17	Perm anent	SC
9	Program me Assistant (Comput er)	Rekha K. N.	Prog. Asst. (Comput er)	F	Comput er Science	M.Sc.	9300- 34800	134 50	12.1 1.08	Perm anent	OBC
10	Program me Assistant / Farm	Kallesh D T	Farm Manager	M	Pl. Breedin g	M.Sc.	9300- 34800	114 70	14.0 7.16	Perm anent	Others

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero ZLX-KA 27 N-0845	2016	7,31,504 (25063 Insurance)	49530	Good
Motor cycle Bajaj CT-100 KA 27/ K8673	2005	40,000	34106	Not in working condition
Tractor and Trailer New Holland Ford 3230	2005	5,00,000	383.6 (hrs)	Good
Motor cycle Bajaj CT-100 KA 27/L4836	2006	40,000	32249	Not in working condition

C) Equipment & AV aids

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

1.8. Details of SAC meeting conducted during 2017-18

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
06.06.2017	40	Awareness regarding borewell recharge has to be created through farmers programme	Awareness regarding borewell recharge was conducted during TOT programmes and world soil health day	
		The activities of KVK should be well documented and uploaded to KVK website and portal	Updating the information to web site and portal.	
		Collect information on tree based sericulture cultivation in Haveri district	Information available during end of the year	
		Hebbevu (Malabar Neem) cultivation has to be taken up at KVK land in collaboration with Department of Social forestry	Department of Social forestry has accepted to supply Malabar neem seedlings free of cost during rainy season	
		Details of Machineries available under Yantradhare scheme have to be collected and made available to the farming community in the form of pamphlets and same has to be uploaded to KVK Website	Information has been collected and pamphlets will published during 2018-19	
		The details of implemented programmes by KVK has to	Action has been taken up by involving them in	

		be made available to all line department and whenever necessary extension works from those departments have to be invited for such activities	implementation of KVK programmes	
		Scientists have to write one popular article every month and totally 72 articles published should be presented during next SAC	Action has been taken up.	
		The Soil and water testing laboratory should test minimum of 3000 samples and distribute soil health card for them	Total 2442 soil sample has been analysed and 441 soil health card distributed & 1630 water sample has been tested. (as on 17.02.2018)	
		Programmes on fodder cafeteria, Hydroponics unit, availability of fodder etc., should be formulated further on hydroponic unit has to be established for continuous supply of green fodder	Fodder cafeteria has been established.	
		Totally 1000 new Krishi munnade subscriptions have to be made.	Subscriptions have to be made.	
		Arrange farmers and bankers interface meeting	Taken up during May-2018	
		Training calendar focusing various KVK activities should be prepared and made available to agriculture based institute	Action has been taken up.	
		Branding and FSSAI licensing activities should be taken up for value added products and establish market linkage (www. Itiha.com)	Taken up during 2018-19	
		IIHR special license has to be taken and initiate the production under KVK revolving fund	We obtained quotation for different technology developed by IIHR, Bangalore, due to high price we need to financial support from university to purchase the same and further activity.	
		Publications from KVK including manuals, pamphlets etc have to be uploaded to KVK website and portal in pdf format	Updated regularly	
		Training programme on Terrace gardening for Urban people should be conducted on Payment basis.	Taken up during 2018-19	

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Maize, Bt-cotton, Minor millets, <i>Rabi</i> -Sorghum, Groundnut, Sunflower, Soybean, Redgram, Green gram, Bengal gram, Banana, Mango, Sapota, Arecanut, Flowers crops, Dairy, Sheep, Goat, Poultry, Integrated farming system, Agri-silivi-horti-pasture, Silviculture etc.,

2.2 Description of Agro-climatic Zone & major agro ecological situations

S. No	Agro-climatic Zone	Characteristics						
1	Northern Transitional zone (Zone-8) & Hilly zone (Zone 9)	<ul style="list-style-type: none"> Total geographical area is 4.85 lakh ha. Cultivated area is 3.86 lakh ha. of which 72,000 ha is irrigated (13.5%). Receives on an average 702 mm of rainfall annually mainly during June to October. The rainfall is received in two peaks (July & September). Land holding pattern of the district is < 1 ha (32,719), 1-2 ha (60,095), 2-4 ha (48,885), 2-10 ha (19,613) and > 10 ha (2,649). 						
Agro Ecological Sub Region (ICAR)		Deccan Plateau, Hot Semi-Arid Eco-Region (6.4)						
Agro-Climatic Region (Planning Commission)		Southern Plateau and Hills region (X)						
Agro Climatic Zone (NARP)		Northern Transition zone, Northern Dry zone (KA-8, KA-3)						
List all the districts or part thereof falling under the NARP Zone		Dharwad, Belgaum, Haveri						
Geographic coordinates of district		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> <th>Altitude</th> </tr> </thead> <tbody> <tr> <td>14 °47'59.85"N</td> <td>75°23'59.92"</td> <td>630m</td> </tr> </tbody> </table>	Latitude	Longitude	Altitude	14 °47'59.85"N	75°23'59.92"	630m
Latitude	Longitude	Altitude						
14 °47'59.85"N	75°23'59.92"	630m						
Name and address of the concerned ZRS/ ZARS/ RARS/ RRS/ RRTTS		Agricultural Research Station, Hanumanamatti – 581 135; Taluk & District: Haveri						
Mention the KVK located in the district		Krishi Vigyan Kendra Hanumanamatti - 581 135, Tq: Ranebennur, Dist.: Haveri						

2.3 Soil type/s

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

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Maize	1,43,000	7,15,000	5000
2.	Cotton	72,200	72,200	1000
3.	Rice	49,300	1,01,291	2050
4.	Groundnut	18,000	36,000	2000
5.	Chick pea	6,210	4220	680
6.	Sugarcane	6,000	6,00,000	100000
7.	Soybean	5,600	11,200	2000
8.	Pigeon pea	4,500	4,500	1000
9.	Onion	1,200	30,000	20000
10.	Cabbage	300	12000	40

* KSDA, Haveri

2.5 Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
April -17	38.03	39.7	--	49.0
May-17	99.64	38.4	--	56.0
June-17	41.36	36.5	--	87.0
July-17	72.92	32.5	--	81.0
August-17	67.52	33.5	--	77.0
September-17	190.16	31.2	--	71.0
October-17	117.59	32.5	--	63.0
November-17	10.16	32.7	--	65.0
December-17	0	32.5	--	65.0
January-18	0	33.6	14.2	56.0
February-18	0	35.8	10.5	48.0
March-18	0	37.5	17.5	52.0

Source: JDA office, Haveri

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

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

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

2.7 District profile has been Updated for 2017-18 - Under Progress

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	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Ranebennur	Ranebennur	Neshvi	One year	Cotton, maize, chilli	Low yield, Lack of awareness about new variety	ICM in foxtail millet
2.	Ranebennur	Ranebennur	Kajjari	One year	Cotton, maize, Vegetable	Labour scarcity & Drudgery	Drudgery reduction
3.	Ranebennur	Ranebennur	Halageri	One year	Maize, cotton onion	Low yield in local varieties High incidence of purple blotch & thrips	ICM in onion
4.	Ranebennur	Ranebennur	Itagi	One year	Maize, cotton onion	Low yield in local varieties High incidence of purple blotch & thrips	ICM in onion
5.	Ranebennur	Ranebennur	Medleri	One year	Maize, betel vine cotton,vegetables	Low yield, Incidence of wilt, Lack of knowledge of about crop management	ICM in betel vine
6.	Ranebennur	Ranebennur	Medleri	One year	Cotton, maize, chilli	Low productivity of milk due to non feeding of green fodder	Animal Husbandry
7.	Ranebennur	Ranebennur	Hullatti	One year	Cotton, maize, chilli	Scarcity of Green Fodder in Summer	Animal Husbandry
8.	Ranebennur	Ranebennur	Medleri	One year	Cotton, maize, chilli	Neonatal mortality in Small ruminants	Animal Husbandry
9.	Ranebennur	Ranebennur	Aladakatti	One year	Cotton, maize, chilli	Contamination/low quality of milk Higher incidence of mastitis	Animal Husbandry
10.	Hangal	Hangal	Adur	One year	Paddy, cotton, vegetable	Micro nutrient deficiency in paddy field area	ICM in paddy
11.	Hangal	Hangal	Arelakmapur	One year	Paddy, cotton, vegetable	Low yield, Lack of knowledge about Biofertilizer, Excess use of fertilizer, Blast disease	ICM in paddy
12.	Hangal	Hangal	Lakmapur	One year	Cotton, maize, groundnut	Low yield, Lack of awareness about new variety	ICM in Green gram
13.	Hangal	Hangal	Balambeedu	One year	Cotton, maize, groundnut	Low yield, Lack of awareness about new variety	ICM in Green gram
14.	Hangal	Hangal	Bommanahalli	One year	Mango,banana,paddy, maize	Flower dropping, Fruit dropping, Powdery mildew incidence, Low yield due to poor fruit set.	ICM in mango
15.	Hirekerur	Hirekerur	Suttakoti	Two year	Cotton, maize, chilli	Lack of vegetative growth & seed filling due to deficiency of micro nutrients resulting reduced yield	INM in maize
16.	Hirekerur	Hirekerur	Masur	One year	Maize, chilli cotton	Low yield, Inferior quality of Green chilli, Disease incidence	ICM in green chilli

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
249	42	9765	1832	1160	543	63520	3003874

Seed Production (Q)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
30	22.4	5500	4750

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	3000	2800

3.B1. Abstract of interventions undertaken

S . No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										Supply of bio products		
				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.)	No	kg		
1	ICM	Paddy	Micro nutrient deficiency in paddy field area	Assessment of Boron application in paddy		02	-	-	-	-	-	-	-	-	-	-
2	ICM	Maize	Lack of vegetative growth & seed filling due to deficiency of micro nutrients resulting reduced yield (15-20%)	Response of Soil and foliar application of micro nutrients (Zn, Fe & B) in maize		01	-	-	-	-	-	-	-	-	-	-
4	Mechanization	Transplanter	Labour scarcity & Drudgery	Assessment of Vegetable seedling transplanter (Tomato, Brinjal, Chilli)		01	-	-	-	-	Vegetable seeds (0.01)	-	-	-	-	-
	ICM	Paddy	<ul style="list-style-type: none"> • Low yield (16-18 q/ac) • Lack of knowledge about Biofertilizer • Excess use of fertilizer • BPH infestation (30%) • Blast (35-40 %) 	Integrated crop management in transplanted Paddy		02	-	-	-	-	Sunhemp seeds (1.0 q)	-	-	-	-	Azospirillum (5.0)
	ICM	Rabi sorghum	<ul style="list-style-type: none"> • Low yield due to use of local variety • Lodging and poor fodder quality 	Demonstration of Rabi sorghum variety SPV-2217		01	-	-	-	-	Sorghum (0.3 q)	-	-	-	-	Azospirillum (2.0)

	ICM	foxtail millet	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	01	-	-	-	Foxtail millet (0.6 q)	-	-	-	Azospirillum (5.0)
	ICM	Little millet	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Demonstration of Little millet variety DHLM-36-3 for higher yield and income	01	-	-	-	Little millet (0.6 q)	-	-	-	Azospirillum (5.0)
	ICM	Black gram	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Integrated crop management in Black gram (DU-1)	01	-	-	-	Black gram (0.6 q)	-	-	-	Rhizobium (2.0), PSB (2.0), Trichoderma (2.0)
	ICM	Green gram	<ul style="list-style-type: none"> •Low yield •Lack of awareness about new variety 		Integrated crop management in Green gram (DU-1)	01	-	-	-	Green gram (0.5 q)	-	-	-	Trichoderma (5.0)
	ICM	Onion	<ul style="list-style-type: none"> •Low yield (160-180 q/ha) in local varieties •High incidence of purple blotch & thrips 		ICM in onion variety of Bhima Super for higher yield & income	01	-	-	-	Onion (0.2 q)	-	-	-	-
	ICM	Cabbage	Incidence of Diamond back moth (35 %) & Black rot (30%) caused reduction in yield by 30-40 %		ICM in Cabbage	01	-	-	-	-	-	-	-	-
	ICM	Chilli	<ul style="list-style-type: none"> •Low yield (35-40 %) •Inferior quality of Green chilli •45-50% Disease incidence 		Enhancement of yield in Green chilli	01	-	-	-	-	-	-	-	-

	Animal husbandry	Dairy farming	•Scarcity of Green Fodder in Summer		Conservation of Green fodder using silage making through silo bags	01	-	-	-	-	-	-	-	-
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3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OF T	FL D	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of Boron application in paddy	DRR Hyderabad	Paddy	05	-	02	Group discussion -02 Demo.-01
2.	Response of Soil and foliar application of micro nutrients (Zn, Fe & B) in maize	TNAU	Maize	02	-	01	Group discussion -02 Demo.-01
3.	Assessment of Vegetable seedling transplanter (Chilli)	PJTSAU, Hyderabad Herale technologies, Gajanur	Transplanter	05	-	01	Group discussion -03 Demo.-05
4.	Integrated crop management in transplanted Paddy	UAS Dharwad	Paddy	-	10	02	Group discussion -02 Demo.-01
5.	Demonstration of <i>Rabi</i> sorghum variety SPV-2217	UAS Dharwad	<i>Rabi</i> sorghum	-	10	01	Group discussion -02 Demo.-01
6.	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	UAS Dharwad	foxtail millet	-	18	01	Group discussion -02 Demo.-01
7.	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	UAS Dharwad	Little millet	-	18	01	Group discussion -02 Demo.-01
8.	Integrated crop management in Black gram (DU-1)	UAS Dharwad	Black gram	-	10	01	Group discussion -02 Demo.-01
9.	Integrated crop management in Green gram (DGGV-2)	UAS Dharwad	Green gram	-	10	01	Group discussion -02 Demo.-01
10.	ICM in onion variety of Bhima Super for higher yield & income	UAS Dharwad	Onion	-	10	01	Group discussion -02 Demo.-01
11.	ICM in Cabbage	UAS Dharwad	Cabbage	-	10	01	Group discussion -02 Demo.-01
12.	Enhancement of yield in Green chilli	UAS Dharwad	Chilli	-	05	01	Group discussion -02 Demo.-01
13.	ICM in Betel vine	UAS Dharwad	Betelvine	-	05	02	Group discussion -02 Demo.-01

14.	ICM in Mango	UAS Dharwad	Mango	-	05	01	Group discussion -02 Demo.-01
15.	Demonstration on Fodder Cafeteria	UAS Dharwad	Fodder	-	02	01	Group discussion -02 Demo.-01
16.	Nutrition garden at schools	UAS Dharwad	Nutrition garden	-	05	01	Group discussion -02 Demo.-05
17.	Clean milk production	UAS Dharwad	Dairy farming	-	05	01	Group discussion -02 Demo.-01
18.	Neonatal care of young ones (Sheep and Goats)	UAS Dharwad	Sheep & goat	-	05	01	Group discussion -02 Demo.-01
19.	Conservation of Green fodder using silage making through silo bags	UAS Dharwad	Dairy farming	-	02	01	Group discussion -02 Demo.-01

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
04	-	01	-	-	-	-	-	14	-	5	-	-	-	-	-
02	-	-	-	-	-	-	-	12	-	4	-	-	-	-	-
04	-	01	-	-	-	-	-	15	-	5	-	-	-	-	-
-	-	-	-	10	-	-	-	15	-	3	-	-	-	-	-
-	-	-	-	10	-	05	-	12	-	-	-	-	-	-	-
-	-	-	-	18	-	-	-	25	-	4	-	-	-	-	-
-	-	-	-	18	-	-	-	22	-	4	-	-	-	-	-
-	-	-	-	10	-	03	-	15	-	3	-	-	-	-	-
-	-	-	-	10	-	-	-	17	-	4	-	-	-	-	-
-	-	-	-	10	-	-	-	20	-	3	-	-	-	-	-
-	-	-	-	10	-	-	-	31	-	4	-	-	-	-	-
-	-	-	-	05	-	-	-	27	-	4	-	-	-	-	-
-	-	-	-	05	-	01	-	55	-	9	-	-	-	-	-
-	-	-	-	05	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	05	-	01	-	15	-	2	-	-	-	-	-
-	-	-	-	05	-	01	-	15	-	3	-	-	-	-	-
-	-	-	-	05	-	-	-	20	-	2	-	-	-	-	-
-	-	-	-	05	-	-	-	15	-	3	-	-	-	-	-
-	-	-	-	02	-	-	-	15	-	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	02	-	-	-	-	-	-	-	-	02
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	-	-	-	-	01	-	-	-	-	01
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	02	-	-	-	01	-	-	-	-	03

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 : 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.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	Paddy	Assessment of Boron application in paddy	05	05	0.8
	Maize	Response of Soil and foliar application of micro nutrients (Zn, Fe & B) in maize	02	02	0.6
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	-	Assessment of Vegetable seedling transplanter (Tomato, Brinjal,Chilli)	05	05	0.6
Storage Technique					
Mushroom cultivation					
Total			12	12	02

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 : Nil

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

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

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

4.C1.Results of Technologies Assessed

Results of On Farm Trial

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Net Return Rs. / unit	BC Ratio	Remarks if any	
1	2	3	4	5	6	7	8	9	10	11	12	13	
Maize	Rainfed	Deficiency of micro nutrients and including boron role in Maize	Response of Soil and foliar application of micro nutrients (Zn, Fe & Bo)	02	T1: Farmers' practice	-	55.63	q/ha	Number of Grain s/cob 299.5	Cob Length (cm) 11.3	Cob girth (cm) 8.8	62936	4.85
					T2: RDF (Soil application of ZnSO ₄ + FeSO ₄ + FYM)	UAS, Dharwad	62.19	q/ha	417.0	13.9	9.2	71037	5.04
					T3: RDF + Soil application 0.8 kg /ac borax + Foliar application of 0.5% ZnSO ₄ + 0.5% FeSO ₄ + 0.1 % solubor @ 30 & 45 DAS	TNAU	69.69	q/ha	489.5	14.6	11.2	81055	5.44
Paddy	Irrigated	Micro nutrient deficiency in paddy field area	Assessment of Boron application in paddy	05	T1: Farmers' practice		56.45	q/ha	Plant height at harvest (cm) 57.5	No. of panicles/plant 13.5	No. of filled grains/panicle 215	95235	2.75
					T2: RDF (100:50:50 NPK kg/ha. + ZnSO ₄ 20 kg/ha)	UAS, Dharwad	63.68	q/ha	61.8	13.9	267	107704	2.78
					T3: T ₂ + Soil application of Boron at 2 kg /ha	ICRISAT, Hyderabad	70.03	q/ha	70.6	15.6	302	121909	3.11
					T4: T ₂ + Foliar Spray of 0.2% Boron at flowering	DRR Hyderabad	67.42	q/ha	64.8	14.1	289	115936	2.96

Drudger y reducti on	Irrigat ed	Drudger r in manual transpln ting	Assess ment of vegetab le seedlin g transpla nter	05	T1: Farmers' practice	-	-		Seedli ng transp lanted /hour	Time requir ed/ Acre	Comf ort			
								106	19	Drud gery base d	-	-		
					T2: Seedling transplanter	Hera le technol ogies, Gajanur	-		135	18	More comf ortab le	-	-	With practic e time requir ed still reduces
					T3: Seedling transplanter	PJTSA U, Hydera bad	-		133	18.50	comf ortab le	-	-	

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

1.	Title of Technology Assessed	:	Response of Soil and foliar application of micro nutrients (Zn, Fe & Bo)
2.	Performance of the Technology on specific indicators	:	Application of RDF + Soil application 0.8 kg /ac borax + Foliar application of 0.5% ZnSO ₄ + 0.5% FeSO ₄ + 0.1 % solubor @ 30 & 45 DAS, increases the cob length, Cob girth & grain yield resulting into increased yield of 19.8 % over farmers practice
3.	Specific Feedback from farmers	:	Soil and foliar application of nutrients increases the cob length, Cob girth & grain yield over the farmers practice
4.	Specific Feedback from Extension personnel and other stakeholders	:	Very much convinced that micronutrient are essential for increasing maize yield.
5.	Feedback to Research System based on results and feedback received	:	Labour intensive and increased cost of micro nutrient fertilizer

1.	Title of Technology Assessed	:	Assessment of seedling transplanter
2.	Performance of the Technology on specific indicators	:	The assessment of seedling transplanter was done with transplanter developed by Herale research and works, Gajanur and PJTSAU, Hyderabad. It was observed that in manual transplanting method farmer can transplant 106 seedlings in an hour whereas, it is 135 and 133 in case of Herale and PJTSAU models. Even though time required to plant in an acre is less i.e., 18 and 18.5 hours respectively. Being less weight and handy transplanter by Herale technology was more comfortable. Time taken may still reduce with practice.
3.	Specific Feedback from farmers	:	Farmers were satisfied with technology and expressed their willingness try it for sowing cotton seeds.
4.	Specific Feedback from Extension personnel and other stakeholders	:	-
5.	Feedback to Research System based on results and feedback received	:	This method requires two persons, one for transplanting and another one for holding seedling trays. Refinement for single person operation needs to be done

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: Nil

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

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

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/Marginal	Others
	Oilseeds													
	Pulses	Rainfed	<i>Kharif</i>	Blackgram	DU-1	-	Integrated crop management	Demonstration of DU-1 variety Seed treatment with <i>Rhizobium</i> , PSB and <i>Trichoderma</i>	04	04	00	10	07	03
		Irrigated	<i>Rabi</i>	Green gram	DGGV-2	-	Integrated crop management	High yielding variety DGGV-2 (12-14 q/ha), non shattering, Wilt resistant Seed treatment with <i>Trichoderma</i>	04	04	03	07	08	02
	Cereals	Rainfed	<i>Rabi</i>	<i>Rabi</i> sorghum	SPV 2217	-	Integrated crop management	Seed treatments Application of ZnSO ₄ Popularizing the variety Seed harding with CaCl ₂	04	04	05	05	06	04
		Irrigated	<i>Kharif</i>	Transplanted Paddy	Sri ramsona and Cauveri sona	-	Integrated crop management	Incorporation of green manuring – Sunhemp Carbendazim Seed treatment @ 2 g/kg Seedling dip in <i>Azospirillum</i> Seedling dip with ZnSO ₄ @ 1 % Imidacloprid @ 0.25 ml/L for BPH Tricyclazole @ 0.6 g/L for blast (2 spray)	04	04	00	10	08	02

Duckery														
Common carps														
Mussels														
Ornamental fishes														
Oyster mushroom														
Button mushroom														
Vermicompost														
Sericulture														
Apiculture														
Implements														
Others (specify)	Irrigated	<i>Kharif</i>	Vegetables	-	-	Nutritional Security	Demonstration of Nutrition garden at Schools	0.4	0.4	01	04	-	-	

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds												
	Pulses	Rainfed	<i>Kharif</i> 2017	Black gram	DU-1	-	Integrated crop management	Demonstration of DU-1 variety Seed treatment with <i>Rhizobium</i> , PSB and Trichoderma	<i>Kharif</i> 2017	M	M	M	Foxtail millet
		Irrigated	<i>Rabi</i> 2017	Green gram	DGGV-2	-	Integrated crop management	High yielding variety DGGV-2 (12-14 q/ha), non shattering, Wilt resistant Seed treatment with Trichoderma	<i>Rabi</i> 2017	M	M	M	Paddy

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds																			
Pulses	Integrated crop management in black gram	DU-1	-	Rainfed	10	04	9.0	12.0	10.5	8.9	17.97	20300	52500	32200	2.58	20100	44500	24400	2.21
	Integrated crop management in greengram	DG GV-2	-	Irrigated	10	04	11.2	13.8	12.5	10.9	14.67	19380	62500	43120	3.22	19215	54500	35285	2.83
Cereals	Demonstration of Rabi sorghum variety SPV-2217	SPV-2217	-	Rainfed	10	04	14.38	16.25	15.19	12.75	20.8	10730	26198	15468	2.44	11500	21994	10494	1.91
	Integrated crop management in transplanted paddy	Sri ramsona and cauveri sona	-	Irrigated	10	04	66.98	73.33	70.16	59.49	17.94	37940	161368	123428	4.25	34600	136827	10227	3.95

Plantation	Integrated crop management in Betel vine	Local	-	Irrigated	05	2.0	2843542	2645678	2734649	2178090	25.55	172940	1135000	962060	6.56	170700	905000	734300	5.30
Fibre																			
Others (pl.sp ecify)																			

* 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
Green gram (Pod weevil %)	82	14.9
Black gram (Powdery mildew %)	7.1	17.3
Little millet (Straw yield-t/ha)	5.02	3.76
Foxtail millet (Straw yield- t/ha)	3.2	2.8
Paddy (Straw yield- t/ha)	3.75	3.22
Paddy (Blast incidence -%)	6.4	13.1
Rabi sorghum (Plant height-cm)	168.6	164.5
Rabi sorghum (Disease incidence -%)	3.6	13.2
Onion (Purple blotch-%)	9.3	18.3
Onion (Bulb weight -g)	55.1	42.2
Onion (Thrips incidence -%)	5.23	7.58
Cabbage (DBM Incidence -no/10 plants)	8.2	12.6
Cabbage (Incidence of black rot-%)	4.3	10.5
Chilli (Thrips and mite incidence-%)	8.50	14.74
Chilli(Leaf curl incidence-%)	9.26	18.50
Betelvine (Wilt incidence -%)	7.50	13.50
Betelvine (No/vine)	405.8	318.9
Feeding information	Cultivated green fodder was feed as 2/3part cereal and 1/3 part leguminous, concentrate was feed @ 1kg concentrate/3kg milk produced	No green fodder was fed, crop residue was used for feeding, 1kg concentrate/3kg milk produced
Silage quality	The bag is unfit for silage preparation as their was for air packets being left while filling the fodder. So soilage obtained was Poor quality and unfit feeding animals due to fungal infection	-

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)			Check if any	% Increase	*Economics of demonstration (Rs./unit)				*Economics of check (Rs./unit)			
					Demo					Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
					H	L	A										
Dairy	Clean milk production	HF Cross bred	5	1	9	7	8	6.7	20.89	37057	74115	37057	1:2	35235	61305	26070	1:1.73
Poultry																	
Rabbits																	
Piggery																	
Sheep and goat	Neonatal mortality in sheep and goat	Decani	5	10	-	-	8	5.5	45.0	1300	31500	30200	24.2	600	15000	14400	25
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
Incidence of mastitis	No incidence in three months of observation	15% mastitis
Quality of milk	Keeping quality was good	Keeping quality was poor
Neonatal mortality	10%	40%
Incidence of parasitic infestation	No incidence of parasitic infestation	60%

5.B.3. Fisheries - Nil

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m ²)	Yield (q/ha)			% Increase	*Economics of demonstration Rs./unit or (Rs./m ²)				*Economics of check Rs./unit or (Rs./m ²)					
					Demo				Check if any	Gr oss Co st	Gro ss Ret urn	Net Ret urn	** B C R	Gr oss Co st	Gro ss Ret urn	Net Ret urn	** B C R	
					H	L	A											
Common carps																		
Mussels																		
Ornamental fishes																		
Others (pl. specify)																		

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

** BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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			Check if any	% Increase	*Economics of demonstration (Rs./unit) or (Rs./m ²)				*Economics of check (Rs./unit) or (Rs./m ²)				
					Demo	H	L			A	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Oyster mushroom																		
Button mushroom																		
Vermicompost																		
Sericulture																		
Apiculture																		
Others (pl. species)	Nutrition garden	-	05	0.5 ha	66.5	62.5	64.3	-	-	5000	6385	1385	1.27	-	-	-	-	-

* 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	After	Before
Knowledge gain index	96.30	82.80

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

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

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

** BCR= GROSS RETURN/GROSS COST

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

Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	1	14	0	14	1	0	1	15	0	15
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)										
Protected Cultivation Technology	1	9	0	9	1	0	1	10	0	10
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics	3	45	39	84	5	1	6	50	40	90
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agril. Extension	3	77	0	77	13	0	13	90	0	90

7.G. Sponsored training programmes conducted

S.No	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	Crop production and management											
1.a.	Increasing production and productivity of crops											
1.b.	Commercial production of vegetables											
2	Production and value addition											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops											
3.	Soil health and fertility management											
4	Production of Inputs at site											
5	Methods of protective cultivation											
6	Others (pl.specify)											
7	Post harvest technology and value addition											
7.a.	Processing and value addition											
7.b.	Others (pl.specify)											
8	Farm machinery											
8.a.	Farm machinery, tools and implements											
8.b.	Others (pl.specify)											
9.	Livestock and fisheries											
10	Livestock production and management											
10.a.	Animal Nutrition Management											
10.b.	Animal Disease Management											
10.c.	Fisheries Nutrition											
10.d.	Fisheries Management											
10.e.	Others (pl.specify)											
	Integrated farming system	06	122	39	161	18	01	19	140	40	180	
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	06	122	39	161	18	01	19	140	40	180	

Details of sponsoring agencies involved

1. Karnataka state Department of Agriculture
2. Karnataka state Department of Horticulture

PART VIII – EXTENSION ACTIVITIES**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	08	320	53	373	24	07	31	25	0	25
Kisan Mela	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	03	275	0	275	0	0	0	0	0	0
Exhibition	11	1441359	0	1441359	0	0	0	45580		45580
Film Show	08	2032	0	2032	0	0	0	41	0	41
Method Demonstrations	13	282	0	282	0	0	0	06	0	06
Farmers Seminar	3	103	72	175	39	48	87	35	0	35
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	11	332	0	332	0	0	0	14	0	14
Lectures delivered as resource persons	67	3591	1092	4683	717	370	1087	235	0	235
Newspaper coverage	36	0	0	0	0	0	0	0	0	0
Radio talks	03	0	0	0	0	0	0	0	0	0
TV talks	02	0	0	0	0	0	0	0	0	0
Popular articles	03	0	0	0	0	0	0	0	0	0
Extension Literature	10	0	0	0	0	0	0	0	0	0
Advisory Services	136	1355	0	1355	0	0	0	246	0	246
Scientific visit to farmers field	68	561	0	561	0	0	0	58	0	58
Farmers visit to KVK	62	664	0	664	0	0	0	135	0	135
Diagnostic visits	68	518	0	518	0	0	0	77	0	77
Exposure visits	11	227	15	242	13	0	13	07	0	07
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	01	30	0	30	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days										
Vanamahotsava	1	12	4	16	0	0	0	58	0	58
Honey bee day celebration	1	63	2	65	9	0	9	5	0	5
Swachhta Bharath	12	360	28	388	2	4	6	37	0	37
International rural womens day and world food day	1	2	26	28	0	28	28	0	0	0
World Soil Day	1	251	174	425	87	46	133	9	0	9
Farmers day	1	46	22	68	16	7	23	0	0	0
International Womens day	1	0	34	34	0	6	6	2	0	2
World water day	1	39	0	39	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Sankalp se Siddhi Programm	1	484	50	534	200	50	250	684	100	784
Krishi Unnati Mela-2018	1	162	6	168	31	1	12	193	7	200
Total	545	1453068	1578	1454646	1138	567	1685	47447	107	47554

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS****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)	Foxtail millet	Dhft-109-3		3.8	20,900	-
	Barnyard Millet	DHB-93-2 (Unprocessed)		6.0	33,000	UASD seed unit indent
	Hybrid Jowar	-	KSSH-186	6.8	6,120	-
	Rabi Sorghum	SPV-2217		2.0	9,200	-
	Prosomillet	DHPM-2769		0.20	1,100	-
Oilseeds	Castor	GC-3		1.0	9,500	-
Pulses	Redgram	BSMR-736		1.2	10,680	-
	Horse gram	GPM-6		0.3	1,650	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	Tamarind Fruit Auction	Local		-	7000	-
Fodder crop seeds	Fodder Maize	African Tall		1.0	3,900	-
	Fodder sorghum	COFS-29R	-	0.1	6,000	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	Sapota Fruit Auction	DHS-2	-	-	34,000	-
Total				22.4	1,43,050	

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	Drumstick	Bhagya	-	250	3750	-
Fruits	Sapota	-	DHS-2	1500	75000	-
	Sapota	-	DHS-1	500	25000	-
	Guava	L-49		250	10000	
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	Curry Leaf	Suvasini		1500	22500	-
	Curry Leaf	Local		500	7500	-
	Tamarind	Local		250	10000	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total				4750	153750	-

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	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	Trichoderma	300	39,000/-	200
Bio Agents	-	-	-	-
Others (specify)	Vermicompost	2500	12,500/-	15
Total		2800	51,500/-	215

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves	HF cross	04	-	-
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Sheep	Decanni	12	-	-
Sheep	Ram bullet	02	-	-
Total		08	-	-

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.)

Date of start	Periodicity	Number of copies
2004-05	Quarterly	500

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	A scale to measure managerial leadership among Panchayat Development Officers	Geeta S Tamgale and Chhaya Badiger	01
Research papers	Managerial leadership among Panchayat Development Officers of Northern Karnataka	Geeta S Tamgale and Chhaya Badiger	01
Research papers	Job performance and satisfaction of Panchayat Development Officers of Northern Karnataka	Geeta S Tamgale and Chhaya Badiger	01
Research papers	SWOT analysis of Panchayat Development Officers (PDOs) in panchayat raj system	Geeta S Tamgale and Chhaya Badiger	01
Research papers	Real-time nitrogen management in aerobic rice by adopting leaf colour chart (LCC) as influenced by Silicon	Yogendra N D., Kumara B H, Chandrashekar N, Prakash N B., Anantha M S and Shashidhar H E	01
Research papers	Long-term effect of organic manures and fertilizers on soil fertility and soil carbon management index after 16 years cycles of pearl millet–wheat cropping system in an Inceptisol of subtropical India	Kumara, B. H., Antil, R. S., Ch. Srinivasa Rao., Devraj	01
Research papers	Continuous application of organic manures and fertilizers on soil organic carbon pools and nitrogen fractions after 16 years cycles of pearl millet–wheat cropping system	Kumara, B. H, R. S. Antil. and Devraj	01
Research papers	Long-term effects of organic manures and inorganic fertilizers on organic carbon and nutrient contents in soil under pearl millet-wheat cropping sequence	Kumara, B. H, R. S. Antil, Priya, H. R. and Devraj	01
Research papers	Performance of chickpea as influenced by mulching practices in maize-chickpea cropping system	Priya, H. R, Shashidhara, G. B. and Kumara, B. H	01
Research papers	Retrospective studies on occurrence and surgical management of esophageal obstruction in bovines	Patil, A.S., Balaganur, V. , Chauhan, V., Nagaraj ,B.N., and Ranganath, L.	01
Research papers	Anti inflammatory effect of alcoholic extract of entada pursaetha dc in LPS induced inflammation in mice and RAW 264.7 cells	Kumari, R. R., Lingaraju, M.C., Gupta, G., More, A. S., Balaganur, V. , Kumar, D.,Kumar P., Kumar, D., Sharma, A. K., Mishra S.K.,Tandan, S. K	01
Research papers	Occurrence and surgical management of unilateral horn fractures in cattle - a retrospective study	Patil, A.S., Balaganur, V. , Kumar, A .G.K.. and Nagaraj, B.N.,	01
Abstract in National conference	mKisan Portal – Mobile Based Services for Farmers of Haveri District of Northern Karnataka published in SMART-AGRI National conference held from 23 – 24th January, 2018 at UAS Dharwad (Poster presentation)	Priya, P., Rekha, K.N., Geeta S. Tamagale, Sarojani J. Karakannanavar, K.P. Gundannanavar, Harish, D.K., Venkanna Balaganur, Krishna Naik, L., Kalleesh, D.T., Guruprasad, G.S. and Jagadeesh, B.R.	01

Technical reports	-	-	-
News letters	-	-	-
Technical bulletins	-	-	-
Popular articles	Biru besigege tampu tambuligalu	Geeta Tamgale	01
Popular articles	Mavu pidegala nirvahane avsyaka	K.P.Gundannavar.,Harish D.K.,	01
Popular articles	Keetanasakagala surakshitha balake	K.P.Gundannavar.,Harish D.K.,	01
Extension literature	Baaleya samagra bele nirvahane	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Elekosuvinalli sudharita besaya kramagalu	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Irulli besaya haagu sasya samrakshana kramagalu	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Tomato beleyalli sudharita besaya	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Totagaarika belegalalli mannu pareeksheya mahatva	Jagadish., Harish, D. K., Krishna Naik, Geeta Tamgale., Priya, P., Gundannavar, K.P., Venkanna Balaganur and Kallesh D T	01
Extension literature	Yeleballiyalli roga nirvahane	Ravikumar M R., Harish, D. K., Gundannavar, K.P., Geeta Tamgale., Priya, P., Venkanna Balaganur, Krishna Naik and Kallesh D T	01
Extension literature	Pashupaalaneyalli azolla mahatva	Venkanna Balaganur, Geeta Tamgale., Gundannavar, K.P., Harish, D. K., Priya, P., Krishna Naik and Kallesh D T	01
Extension literature	Krishiyalli jeenu saakanikeya mahatva	Gundannavar, K.P., Harish, D. K., Krishna Naik Venkanna Balaganur, Geeta Tamgale., and Priya, P	01
Extension literature	Kadale beleya adhika utpadanege sudharita besaya kramagalu	Priya, P., Gundannavar, K.P., Harish, D. K., Geeta Tamgale., Krishna Naik and Kallesh D T	01
Extension literature	Mannu maadari sangrahane, pareekshe, vishleshane mattu rasagobbaragala shiparassu	Jagadish., Krishna Naik, Gundannavar, K.P., Geeta Tamgale., Harish, D. K., Priya, P., Venkanna Balaganur and Kallesh D T	01
Others (Pl. specify)	-	-	
TOTAL			27

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	DVD	Transfer of innovative farmers technology to other farmers	06

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).

Title of the Success Story	Vermi composting and seedling production
Background	Akkur village, Haveri (Tq & Dist.) has received the average to below average rainfall. Therefore crop failure is more or yield of crops is very low. The major irrigation sources of this taluk are bore well only. Under bore well irrigation system, the major crops are vegetables, cotton, maize etc in general. But Sri Salimath has adopted water conservation technology, adoption & promotion organic farming, nursery raising and vermi composting etc.
Interventions: Technology	In his 15 acre 32 gunta land, 8.0 acre of land, he cultivated horticulture crop or making into orchids, in which he planted plantation crops like 400 coconut tree, 800 arecanut tree plants and also planted tree spices like 500 teak plant, 1000 acacia plants and around 2000 pongamia plants. For successful agriculture, he adopted soil & water conservation techniques like construction of bunds, farm pods, water harvesting techniques etc apart from this he had 3 bore wells to full fill the irrigation requirement of his farm. Under irrigation system he cultivated the maize, cotton, vegetable and raising nursery seedling. He will get more income from selling of coconut nursery plant and Arecanut nursery plants. He got more income from sale of 500 to 1000 coconut seedling, three to six thousand Arecanut seedlings. Apart from this he also prepares the Jeevamrutha and biodigestor, honey bee rearing and azolla cultivation etc. He constructed eight compost pits, from this he will harvested about 1200 to 1500 bags compost in a year. He got the award for his honey bee rearing and honey sale from Jnana Bharathi Vishwa Vidhyala, Bangaluru.
Impact	
Horizontal Spread	Around 20 – 25 farmers of neighboring village had adopted the technology. Like vermi composting, water conservation technique, raising of nursery seedling, etc
Economic gains	Vermicompost @ Rs. 30000/- Coconut seedling @ Rs. 25000/- Arecanut seedling @ Rs. 10500/-
Employment Generation	This integrated approach has generated employment opportunity for about 100 – 150 person per annum



- Title of the Success Story** : **Modern Poultry production.**
- 1. Background** : Shri Bhasasabha Doddamani reared broiler poutry of 1000 per batch in a house measuring 100 ft X 100 ft which is made with modern technologies with guidance of the specialist of Animal Science, KVK Hanumanamatti, Haveri District.
- 2. Intervention Technology** : Shri Bhasasabha Doddamani, a known poultry farmer of village faced many constraints in his farming due to series of drought. He started to rearing a poultry farm of about four batches around 1000 bird in a each batches.
- 3. Impact Horizontal Spread** : Shri Bhasasabha Doddamani became a role model for rural youths as a potential agro-entrepreneur who ensure a sustainable livelihood security for a farm family by scientific broiler poultry production. Shri Bhasasabha Doddamani also played a key role in horizontal spread of technology and by understanding the benefit of this modern poultry production.
- 4. Impact Economic Gains** : Increase body weight of 2.0 kg/bird and 200 egg/year/bird were recorded by modified poultry production.



Title of the Success Story**Integrated crop management in bengalgram****Background**

Bengal gram is a major *Rabi* crop which is being cultivated on black soil in the district. However, bengalgram yield has been decreased drastically due to improper crop management in recent past. Looking in to these reasons KVK team of scientists has planned to conduct integrated crop management programme based on focused group discussion with farmers in different villages. Accordingly the front line demonstration on ICM in bengalgram has been conducted in different villages in different talukas of the district from last 2 to 3years.

Intervention Process

The frontline demonstration on ICM in Bengalgram was carried out in different talukas by selecting the farmers from 2 to 3 villages in a cluster form. The selected farmers were trained about technology through on & off campus training, group discussion, Method demonstration etc.,

Interventions: Technology

The integrated crop management programme was implemented in farmers field with different interventions such as use of improved bengalgram variety GBM-2, use of *Trichoderma*, *Rhizobium* and PSB for seed treatment, Use of sorghum as sprinkle crop to facilitate birds for pod borer control naturally, Setting up of pheromone traps for monitoring the incidence of pod borer. Use of neem based insecticides against podborer at early stage, Need based application of profenophos @ 2 ml/L of water against podborer, *Helicoverpa armigera*.

Impact**Horizontal Spread**

Adoption of ICM programme in bengalgram resulted better yield which in turn attracted many neighbouring farmers. As a result the technology has been spread to other villages due to adoption by many farmers. Presently, more than 250 farmers from nearby villages are practicing the technology in their field.

Economic gains

Adoption of ICM technology in bengalgram resulted 25-30 % more yield and higher economic returns compared to farmers practice

Employment Generation

More farmers have been realized that the cultivation of bengalgram under ICM is a profitable one. As a result more area comes under bengalgram which in turn paves way for employment opportunity for at least 80-100 persons from one hectare area in each cropping season.

**Group meeting and Field visit****Training programme & Field day**

Title of the Success Story : Vegetable intercropping in Papaya.
Farmer Name : Sri Rajashekaraggouda S Patil
 Village : kakol Tq:Ranebennur Di:Haveri

Details of Success Story

1. Background

: Shri Rajashekar K Patil is a progressive and innovative farmer of the Kakol village, Ranibennur Talluk of Haveri District. He has 2.22 acres of irrigated land. Earlier the same farmer was engaged with banana cultivation but not practicing vegetables as inter crop and income was narrow to the cost of cultivation. Afterwards visit to the KVK Hanumanamatti, famer was realized that practicing vegetables as intercrops such as Knol-khol, Beetroot, Carrot in papaya during the pre bearing stage and fetches the additional income.

2. Intervention Process

: He is an inspiration to fellow farmers of his village with an inter crops of vegetables with papaya. He is practicing vegetables as intercrops such as Knol-khol, Beetroot, Carrot in papaya during the pre bearing stage and fetches the extra additional income with saving of the available resources such as land, lobour, water and time can be utilized efficiently. The weed, pest and disease problem can be reduced with these vegetables as intercrop. Shri Rajashekar K Patil farmer getting the more income per unit area with reduction of cost of cultivation at greater extent.

3. Intervention Technology

: Shri Rajashekar K Patil cultivated total three different type of vegetables like carrot 0.60 ha, beetroot 0.20ha, and knoll-khol 0.20ha as intercrop in papaya in 1.0 ha area.

4. Impact Horizontal Spread

: Shri Rajashekar K Pati became a role model for the rural youths as a potential fruit grower along with vegetables who ensure a sustainable livelihood security for a farm family by vegetable intercropping in papaya. Shri Rajashekar K Pati also played a key role in horizontal spread of technology and by understanding the benefit of this intercropping in papaya.

5. Impact Economic Gains

: Totally, he is getting an annual income of 8.50 lakh from his own farm. He is an inspiration to fellow farmers of his village with an intercrop of vegetables with papaya. He is earning net profit of 7.10 lakh from the growing of papaya and 1.40 lakh by the different vegetables crops in the same piece of land.



- Title of the Success Story** : Large Scale Backyard Poultry Production.
- Farmer Name** : Sri Honnappa Honnappalavar
Village, Medleri Tq: Ranebennur, Dist . Haveri
- Details of Success Story**
- 1. Background** : Shri Honnappa Honnappalavar reared swarnadhara poultry of 500 per batch in a house measuring 50 ft X 20 ft which is made with local available materials with guidance of the specialist of Animal Science, KVK Hanumanamatti, Haveri District.
- 2. Intervention Process** : He reared a total of 500 swarnadhara birds / batch in the poultry rearing house having capacity of 500 poultry birds at a time & the birds were fed commercial poultry feed along with vegetable residues. He reared 2 batches of swarnadhara /year
- 3. Intervention Technology** : Shri Honnappa Honnappalavar, was advised to rear swarnadhara birds in house with out allowing them to scavenge freely. He was also advised to feed commercial poultry feed and vegetable residue.
- 4. Impact Horizontal Spread** : Shri Honnappa Honnappalavar became a role model for other farmers as integrated farming system farmer, ensure a sustainable livelihood security for a farm family by large scale backyard poultry. Shri Honnappa Honnappalavar also played a key role in horizontal spread of technology and by understanding the benefit of this integrated backyard swarnadhara poultry production.
- 5. Impact Economic Gains** : Swarnadhara birds gained body weight of 4kg/bird in 4 months of age and swarnadhara birds were sold @ of 160/kg live weight earning around 2 lakhs from rearing the swarnadhara birds in one year



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

- The transfer of technology from innovative award winning farmers to other farmers was conducted through training during 2017-18. Financial assistance was received through department of Agriculture and totally 6 trainings were organised the details of the training as mentioned below.
- The innovative technologies of farmers was documented and given publicity during Krishi Mela -2017

Sl.No.	Date	Duration	No. of farmers
1.	13.12.2017 to 15.12.2017	3 days	30
2.	19.12.2017 to 21.12.2017	3 days	30
3.	27.12.2017 to 29.12.2017	3 days	30
4.	03.01.2018 to 05.01.2018	3 days	30
5.	09.01.2018 to 11.01.2018	3 days	30
6.	29.01.2018 to 31.01.2018	3 days	30
7.	Krishi Mela-2017	4 days	16

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

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

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

- Identification of courses for farmers/farm women: Group meeting, Extension personal contact, Contact farmers
- Rural Youth: Group meeting, Extension personal contact, Contact farmers
- Inservice personnel: As per indent of line departments

10.G. Field activities

- Number of villages adopted: 18
- No. of farm families selected: 142
- No. of survey/PRA conducted:

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

- Year of establishment : 01.04.2005
- List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Soil moisture tensio meter (30 cm x 9" length)	1	477.00
2	Pestle and mortar (Beed casting)	1	85.00
3	Shaking Machine Orbitek (250 ml clams -25 No. RPM 140 to 250 RPM) (Size 20" x 13 " x 4")	1	47025.00
4	Electronic Weighing Machine (210 gm, Table top Machine NO. 1225400254)	1	57000 .00
5	Electrical + Micro processor based automatic N Dist. System Electrical automatic KEL + Microprocessor based 6+ Macro block Digastion System	1 1	142844.00
6	Flame photometer FGCL0378 SN 189/0801	1	32040.00
7	pH Analysis with CL - 51B (FGL 1612 SN 244/0669)	1	8900.00
8	Scanning Visible Spectro photometer. Model : SL 177 (SN 212/0269)	1	40050.00
9	Electrical Conductivity Bridge EC- TDS Analysis (FGCM 183 SN 132/0492)	1	9790.00
10	Hot air oven digital make : scientek (Temp ----- to 250 deg. C	1	17228.00

11	Hot plate Make:Scientific 24' x12' Stainless steel 304 top plate provided with energy regulator On & Off	1	3046.00
12	BPL Makes Weighing scale with battery Back up, Table top 2000 gm	1	10471.00
13	Sample Aluminum Pan (30x40x5 cm) Sample Aluminum Pan (20x30x3.8 cm) Sample Aluminum Pan (12.5x15x2.2 cm)	08 (1 broken)	150+120+20 0
14	Pestlen and mortar (Wooden make)	1	1000.00
15	Grinder (100 mm x 50 mm size)	1	15435.00
16	Double Distillation water still (Glass) Silica sheated Heater 2 lit/hr (Not working)	1	16000.00
17	Double Distillation water still (qutrz) Silic sheated Heater 4 lit/hr (Not working)	1	43050.00
18	Voltas make 220 lit. cap. Refigartor	1	10765.00
19	V - guard make 500 VA Stablizer	1	1220.00
20	Stand for Refigator (plastic)	1 (broken)	300.00
21	Post hole Augar head size 3"	1	1200.00
22	Screw type Augar Head size 1.5 "	1	980.00.
23	Steel cabinet 78" x 36"x 18" with 5 compartments	9	47934.00
24	Slotted angle rack (6' x3'x15')	5	7105.00
25	Lab rack 30"x 9" x15'	5 (1 damaged)	6156.00
26	Laboratory table 88"x 30"x36" with granite top	4	75776.00
27	Laboratory table 72"x 30"x36"	4	16931.00
28	Laboratory table 58"x 30"x30"	3	50793.00
29	Laboratory table 58"x 30"x30" with granite top	3	50793.00
30	Exhaust fan Almana	3	4500.00
31	Wash basin 24" x 18"	3	4500.00
32	Gas burner Solar make	1	1500.00
33	Laboratory Stools 12"x12"x42"	5	4140.00
34	Combined Eletrode type CL 51 B for pH meter (model: L1 612)	1	850.00
35	Water tap Swan nack	3	2355.00
36	Conduivity cell type CC- 03B for Conduivity meter (model: CM 183)	1	1000.00
37	One pair of Glasss Cuvettes (Model: SL 177)	1	2300. 00
38	Software and interfacing accessories for Spectrophotometer (Model: SL 177) (installed inside)	1	20000.00
39	Calcium filter for Flame Photometer (Model: CL 378) (installed inside)	1	23451.00
40	Electronic Acid Neutralizer Scrubber. Model: KEL VAC.	1	19398.00
41	S S Insert Rack. Model: KES 06 LTR.	1	6300.00
42	Exhaust Manifold System with Teflon Adaptors. Model: KES 06 LEM.	1	7160.00
43	Viton Tube for Triacid and Diacid Digestion Model: KES VT.	1	3250.00
44	Water softner " Bhanu make " model AS 600	1	9752.00
45	Silica Water Heater for Double Distillation Water Still (Glass) Cap: 2 ltr/hr (One set –Two Nos. for Boiler I & II)	1	2837.00
46	Spare Silica Heater for Double Distillation Water Still (Quartz) Cap:4 L/hr (One set –Two Nos. for Boiler I & II)	1	5201.00
47	Water softner " Bhanu make " model AS 600	1	16435.00
48	pH Meter with printer interface, ATC proble, combined Electrode CL 51 B, stand, buffer (ELICO)	1	23006.00
49	EC-TDS Analyser with temp. probe and conductivity cell CC03 B stand with cell holding clamp (ELICO)	1	25955.00.
50	Combined Eletrode		1145.00
51	All glass single distillation unit W/Built in Silka heater stand 1.5 ltr Borocil	1	17450 .00
52	All glass single distillation unit W/Built in Silka heater stand 1.5 ltr Borocil	1	19980 .00
		85	813194.00

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	14183	14028	1837	92,51,20
Water Samples	12680	12625	1116	6,469,50
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	26863	26653	2953	15,72,070

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	2846	2846	391	2,01,260
Water Samples	2452	2452	357	1,22,600
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	5298	5298	748	3,23,860

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/Ministe	Other Dignitaries/ Chief guests
05.12.2017	650	2846	494	840	Shri Shivakumar Udasi, Hon'ble MP Haveri	Dr. C P Mansur ,Dean (Agri) & Shri Mallanna Nagaral, Progressive farmer

10.I. Technology Week celebration during 2017-18 : Nil

Period of observing Technology Week: From _____ to _____

Total number of farmers visited _____ :

Total number of agencies involved _____ :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

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

10. 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)
Bee keeping	72	15	-	4000/-
ICM in Bengalgram	150	12	Rs. 24959/ha	Rs. 34841/ha
ICM in Bengalgram	150	12	Rs. 24959/ha	Rs. 34841/ha
Sorghum (SPV-2217)	125	70	Rs. 10494/ha	Rs. 15468/ha

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

11.B. Cases of large scale adoption: Nil
(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: Nil

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
State Dept. of Agriculture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
State Dept. of Horticulture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
Rural Development Institutes (Zilla & Taluk Panchayats)	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
State Dept. of Animal husbandry & Veterinary Services	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
Karnataka Milk Federation	Training programmes.
Karnataka State Seed corporation limited	Supply of inputs (seeds) and seed production programme
Women and Child Development Department	Training programmes.
Karnataka Oil Seeds Federation	Supply of inputs
NABARD, Vijaya Bank, State Bank of India, M.G. Bank and Syndicate Bank.	Participation in meeting, conducting training programmes and promotion of TTC.
Bharath Agro Industries Foundation, Haveri	Training programmes
GRASIM Janakalyan Trust, Kumar Pattanum	Training programmes.
Sheep and Wool Development Board	Trainings.
State Dept. of Watershed	Training programmes, IFS Demonstration, Seminars and Field days.
JSYS	Training programmes, Demonstration, Seminars and Field days.
National Horticultural Research and Development Federation	Joint implementation and participation in meeting/Training Programme
Spice Board	Joint implementation and participation in meeting/Training Programme
Different private firms dealing with Medicinal and Aromatic crops	Training Programmes
IIHR, Bangalore	Technical consultancy
NGO's	Joint implementation and participation in meeting, Trainings workshops
Mahila Mandals and Youth Clubs	Joint implementation and participation in meeting.
Sugar Factories	Joint diagnostic survey and participation in meeting
Karnataka Sugar Institute, Belgaum	Joint diagnostic survey and participation in meeting/ Training
Successful Entrepreneurs	Training Programme/ Technical Advice
Vijaya Bank Sponsored Employment Training Institute	Joint implementation participation in meeting and Training Programme.
Ring KVK's	Seeds, planting materials, bio-pesticides and training

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

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.)
Raising income and farmers's welfare	Jan-2017	KAPC, Bengaluru	20,00,000

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? Yes

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	Improved production technology for different crops	06	01	-
		Organic farming	06	01	
04	Demonstrations	Army worm management in maize	01	08	In Haveri district
05	Extension Programmes				
	Kisan Mela				
	Soil health camps	Soil health day	06	01	KVK Hanumanamatti
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	Millet mela	06	01	KVK Hanumanamatti
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
01	Mushroom cultivation	Technical support	-	-	Two training

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

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

12.F. Details of linkage with RKVY : Nil

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

12. GKisan 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	5	1	-	-	1	-	7	28571
May	Text	3	-	-	-	6	1	10	28571
June	Text	7	-	-	-	1	-	8	28708
July	Text	3	-	-	-	1	3	7	28708
August	Text	2	-	-	-	-	2	4	28839
September	Text	2	-	-	-	-	1	3	28843
October	Text	4	-	-	-	-	-	4	29021
November	Text	4	1	-	-	1	-	6	29021
December	Text	0	-	-	-	-	-	-	0
January 2018	Text	11	1	-	-	-	-	12	29282
February	Text	2	-	-	-	-	-	2	29282
March	Text	8	1	-	1	2	3	15	29282
Total		51	4	-	1	11	10	78	

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	
1	Vemicompost	2014	0.01	-	Vemicompost	25 q	4000	12500	Awareness about importance of Vermicompost and there is need to have large scale production unit to meet increased demand of farmers
2	Fodder Cafeteria	2017	0.2	COFS-29R, Hedge Lucerne	Fodder seeds & fodder slips	10 kg	3500	6000	Awareness about importance of dry land fodder crops

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.	Cost of inputs	Gross income	
Cereals									
Foxtail millet	27.06.2017	01.10.2017	0.8	Dhft-109-3	TL	380 kg	12,000	20,900	-
Maize	28.06.2017	28.10.2017	1.2	African Tall	TL	100 kg	3,000	3,900	-
Little millet	29.06.2017	-	0.8	Dhlm-36-3	TL	0.0	4,000	-	Crop failure due moisture stress
Barnyard millet	08.07.2017	-	1.2	Local	-	-	3,500	-	Crop failure due moisture stress
Hybrid Jowar	07.07.2017	23.10.2017	0.4	KSSH-186	Hybrid	680 kg	4,000	6,120	-
Rabi Sorghum	17.10.2017	17.01.2018	0.8	SPV-2217	TL	200 kg	4,500	9,200	-
Prosomillet	26.07.2017	31.10.2017	0.4	DHPM-2769	TL	20 kg	2,000	1,100	-
Fodder sorghum	07.08.2017	10.12.2017	0.2	COFS-29R	TL	10 kg	3,500	6,000	-
Barnyard Millet	31.08.2017	10.12.2017	0.9	DHB-93-2	TL (Un processed)	600 kg	16,000	33,000	-
Pulses									
Redgram	24.07.2017	30.01.2018	1.2	BSMR-736	TL	120 kg	7,000	10,680	-
Horse gram	03.10.2017	03.02.2018	0.2	GPM-6	TL	30 kg	1,000	1,650/-	-

Sunhemp	01.08.2017	-	2.2	Local	TL	-	6000	-	Crop failure due moisture stress
Oilseeds									
Castor	01.08.2017	05.02.2018	0.4	GC-3	TL	100 kg	4,500	9,500/-	-
Fibers									
-	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
Curry Leaf	-	-	-	Suvasini	Seedlings	1,500 Nos	12,000	22,500/-	-
Curry Leaf	-	-	-	Local	Seedlings	500 Nos	3,000	7,500/-	-
Tamarind	-	-	-	Local	Seedlings	250 Nos	4,500	10,000/-	-
Tamarind Fruit Auction Sale	-	-	0.4	Local	Fruit		4,000	7,000/-	-
Floriculture									
-	-	-	-	-	-	-	-	-	-
Fruits									
Sapota	-	-	-	DHS-2	Seedlings	1,500 Nos	25,000	75,000/-	-
Sapota	-	-	-	DHS-1	Seedlings	500 Nos	8,000	25,000/-	-
Guava	-	-	-	L-49	Seedlings	250 Nos	6,000	10,000/-	-
Sapota Fruit Auction Sale	-	-	2.0	DHS-2	Fruit		20,000	34,000/-	-
Vegetables									
Drumstick	-	-	-	Bhagya	Seedlings	250 Nos	1,500	3,750/-	-
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	Trichoderma	300 kg	15,000	39,000	-
2	Vermicompost	2500 kg	8,000	12,500	-

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
Saving (KVK main)	State Bank of India	Ranebennur	00909	Programmer Co-ordinator	10811387935	581002102	SBIN0000909
Saving (ICAR RF)	State Bank of India	Ranebennur	00909	Programmer Co-ordinator	10811389160	581002102	SBIN0000909
Current (ICAR RF)	State Bank of India	Ranebennur	00909	Programmer Co-ordinator	36461706479	581002102	SBIN0000909

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

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	86.40	86.40	86.40
2	Traveling allowances	1.50	1.50	1.45
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.25	2.25	2.16
B	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.96
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.75	0.66
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.10	0.10	0.09
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.03	2.03	2.03
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.40	0.40	0.35
G	Training of extension functionaries	0.15	0.15	0.15
H	Maintenance of buildings	0.50	0.50	0
I	Establishment of Soil, Plant & Water Testing Laboratory	0.10	0.10	0.03
J	Library	0	0	0
K	Farmers Conclave	0.25	0.25	0.17
	TOTAL (A)	96.43	96.43	95.45
B. Non-Recurring Contingencies				
1	Works	0.00	0.00	0.00
2	Equipments including SWTL & Furniture	0.00	0.00	0.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
	TOTAL (B)	0.00	0.00	0.00
	C. REVOLVING FUND	0.00	0.00	0.00
	GRAND TOTAL (A+B+C)	96.43	96.43	95.45

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2015 to March 2016	5.89	20.44	18.4	7.93
April 2016 to March 2017	7.93	15.80	16.32	7.41
April 2017 to March 2018	7.70	7.65	8.47	3.61

15. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Geeta S Tamagale	Scientist (Home Science)	Value chain and supply chain management for enabling profitability	EEI, Hyderabad	07-08-2017 – 11-08-2017
		Comprehensive data management system	UAS, Dharwad	10-10-2017 – 11-10-2017
		Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 – 30-11-2017
		Forum on women labour participation and productivity enhancement	Tokyo, Japan	05-02-2018 – 07-02-2018
K P Gundannavar	Scientist (Entomology)	Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 – 30-11-2017
		Agro Ecosystem Analysis (AESAs) based Plant Health Management (PHM) in conjunction with Ecological Engineering for Pest Management-Vegetables	NIPHM Hyderabad	18-01-2018 – 07-02-2018
Shivamurthy D	Scientist (Agronomy)	Orientation training programme for KVK Scientist	KVK Hulkoti	10.08.2017-12.08.2017
		Comprehensive data management system	UAS, Dharwad	10-10-2017 – 11-10-2017
Harish D K	Scientist (Horticulture)	Improving agricultural extension and advisory services	MANAGE, Hyderabad	19.04.2017-21.04.2017
		Induction training course	UAS, Dharwad	24.04.2017-06.05.2017
		Orientation training programme for KVK Scientist	KVK Hulkoti	10.08.2017-12.08.2017
		Participation in the Skill Development Training	Mangala bavan UAS GKVK Bangalore,Hebbala	02.01.2018
		Attended one day Orientation training programme	IIHR Bangalore	09.02.2018
		Protected cultivation	UAS Dharwad	09-01-2018 – 29-01-2018
		Orientation training programme for New technology in horticulture	IIHR Bengaluru	09-02-2018
Priya P	Scientist (Agronomy)	Data analysis of Baseline survey information	ISEC, Bengaluru	20-09-2017 – 21-09-2017

		Integrated farming system approach for sustainable livelihood	EEI, Hyderabad	14-11-2017 – 18-11-2017
		Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 – 30 -11-2017
Venkanna B	Scientist (Animal Sciences)	Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 – 30 -11-2017
		Orientation training programme for New technology in Animal Sciences	NIANP Bengaluru	06-02-2018
Rekha K N	Programme Assistant (Computer)	Comprehensive data management system	UAS, Dharwad	10-10-2017 – 11-10-2017

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