

ANNUAL REVIEW REPORT 2015-16

(APRIL 2015 TO MARCH 2016)

**Presented during Annual Review Meeting of KVKs
at Wayanad
(from 20th to 23rd April 2016)**

KRISHI VIGYAN KENDRA (HAVERI)

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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	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. Sarojani J Karakannavar	0836-2742645	09448495338	kvk_haveri@rediffmail.com sarojani_100@rediffmail.com

1.4. Year of sanction:1977

1.5. Staff Position (as 31st March 2016)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification	Pay Scale	Basic pay	Date of joining KVK	P/T	Category
1	Senior Scientist & Head	Sarojani Karakannavar	Senior Scientist & Head	F	Home Science	Ph.D	37400-61000	65420	08.07.14	P	Other
2	Scientist	D.S.M.Gowda	Scientist	M	Ag. Engg.	M.Sc.	37400-61000	57110	09.06.11	P	Others
3	Scientist	S. A. Astaputre	Scientist	M	Plant Pathology	Ph.D	37400-61000	55440	11.06.11	P	Others
4	Scientist	S.Y. Mukartal	Scientist	M	Animal Science	M.V.Sc.	15600-39100	26590	06.07.09	P	Others
5	Scientist	Geeta S. Tamgale	Scientist	F	Home Science	M.H.Sc.	15600-39100	25810	01.07.09	P	Others
6	Scientist	Archana B. Bhajantri	Scientist	F	Horticulture	Ph.D	-	21000	03.02.15	T	ST
7	Scientist	Vacant	-	-	Agronomy	-	-	-	-	-	-
8	Programme Assistant(Lab Tech.)/T-4	C.P. Hiremath	Prog. Asst.	-	Lab	Ph.D	9300-34800	13500	01.07.15	P	Others
9	Programme Assistant (Computer)/ T-4	Rekha K.N.	Prog. Asst.	F	Computer science	M.Sc.	9300-34800	16630	12.11.08	P	OBC
10	Programme Assistant/ Farm Manager	Sahirabanu Mugannur	Prog. Asst.	F	Farm Manager	B.Sc.	9300-34800	16140	02.07.09	P	OBC
11	Assistant	Kavitha S Lohar	Assistant	F	Assistant	M.Com	16000-29600	16000	23.07.15	P	OBC
12	Jr. Stenographer	Vacant	-	-	-	-	--	-	-	-	-
13	Driver	Bellappa N Indaragi	Driver	M	Driver	-	11600-21000	11600	16.02.15	P	Others
14	Driver	Vacant	-	-	-	-	-	-	-	-	-
15	Supporting staff	K. B. Belakeri	Supporting staff	M	Supporting staff	-	10400-16400	15250	01.07.02	P	OBC
16	Supporting staff	Talwar Fakirappa M	Supporting staff	M	Asst-cook-cum-caretaker	-	10400-16400	12500	22.12.15	P	ST

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

S. No.	Item	Area (ha)
1	Under Buildings	2.20
2.	Under Demonstration Units	0.00
3.	Under Crops	16.20
4.	Orchard/Agro-forestry	1.60
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

0	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1999	400	27.93	-	-	-
2.	Farmers Hostel	ICAR	2004	305	22.63	-	-	-
3.	Staff Quarters	ICAR	2007	399	39.68	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	31.01.2008	985.96	9.11	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tempo trax Judo KA27/M/1305	2002	4.50	322715	Under major repair
Motor cycle Bajaj CT-100 KA 27/ K8673	2005	0.40	33878	Good
Tractor and Trailer New Holland Ford 3230	2005	5.00	50091.1(hrs)	Good
Motor cycle Bajaj CT-100 KA 27/L4836	2006	0.40	1529	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Pusa Digital STFR meter kit	2015-16	65000	Good

1.8. Details SAC meeting conducted in 2015-16

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	09.09.2015	30	06	Given below	Given below

3.1 Suggested to implement UASD released new technologies as FLD during Rabi season

Implemented cluster FLD on Groundnut (GPBD-5) 30 demonstrations, Chickpea (JG-11) 30 demonstration, Sunflower(RSFH-130) 60 demonstration, with use of bio agents like Trichoderma as seed treatment in pulses & oil seeds to reduce root rot diseases, similarly created awareness about new transplanting method & variety (SNK-07680) in sugarcane through FLD (SSI method), Sorghum (SPV-2217) 30 demonstration

3.2 Suggested to arrange 1 day workshop on drought proofing technique in Rabi crops

Off campus training on sorghum and during bi-monthly workshop, training & demonstration on drought management in Rabi sorghum by seed treatment with CaCl₂ was conducted at Byadgi on 07.09.2015. drought management related discussions were covered in Bi-monthly workshop.

3.3 Suggested to conduct awareness programme on water management and groundwater recharge & stressed to publish articles on ground water recharge

Conducted awareness programme on water management and ground water recharge in on campus & off campus training programmes and published two article on the above.

Sl. No.	Date	Place	No. of farmers participated
On Campus			
1.	10.09.2015	KVK	16
2.	05.11.2015	KVK	28
3.	08.12.2015	KVK	08
4.	07.12.2015	KVK	35
5.	23.12.2015	KVK	17
6.	31.12.2015	KVK	13
Off Campus			
7.	15.10.2015	Budapanahalli	30
8.	04.11.2015	Halagi	15
9.	10.12.2015	Hiremadapura	30

Sl. No.	Date	Place	Consultancy
1.	22.02.2016	Kadramanadalagi	Provided Borwell recharging structure and estimation

Sl. No.	Title of the article	Published in	Month year
1.	Under ground water recharge in borewells	Adike patrike	Sept-2015
2.	Methods of irrigation for Judicious use of Natural resources	Sharada Krishi	Sept-2015
3.	Importance of Drainage in alkaline and saline soils	Sujatha sanchike	Oct-2015

3.4 Suggested to conduct awareness programmes on biodiesel plants production technologies

Organized one awareness programme on use of biodiesel plant production technologies in collaboration with Biodiesel project at Agricultural College , Hanumanamatti Date: 30.10.2015

3.5 Suggested to deliver wide publicity on technologies and demonstrations every month at KVK, Hanumanamatti

Delivered wide publicity on new technologies & demonstration every month through SMS, Popular articles

Sl. No.	Title of the article	Published in	Month year
1.	Under ground water recharge in borewells	Adike patrike	Sept-2015
2.	Methods of irrigation for Judicious use of Natural resources	Sharada Krishi	Sept-2015
3.	Importance of Drainage in alkaline and saline soils	Sujatha sanchike	Oct-2015
4.	Soil conservation practices	Krishi Munnade	Sept-2015
5.	Management of chilli diseases	Krishi Munnade	Dec-2015
6.	Management of leaf curl of chilli	Siri Samrudi	Nov-2015

3.6 Suggested to conduct Workshop on new agricultural technologies for NGO working at Haveri district

To be implemented

3.7 Suggested to conduct trainings for SHG women in collaboration with department of Women welfare and child development .

To be implemented

3.8 Suggested to publish on technological aspects of existing FLD's in farmers fields

Following FLD related topics published in various magazines & Leaf lets

Sl. No.	Title of the article	Published in	Month year
1.	Management of chilli diseases	Krishi Munnade	Dec-2015
2.	Management of leaf curl of chilli	Siri Samrudi	Nov-2015
3.	Onion varieties and crop management	Folder	Feb-2016

3.9 Encourage to take up alternate crops for maize

Encouraged & created awareness programme for alternate crops for maize during on, off campus training & field visit, details of contingent crop planning information was given during bi-monthly workshop .

3.10 Encourage to grow cowpea as intercrop along with sugarcane and Soybean

Suggested to grow cowpea & soybean as intercrop along with sugarcane during off campus training and field visit

3.11 Give wide publicity on processing of foxtail millet and value added products of millets

Training programmes were conducted on processing of foxtail millet on 07.12.2015 at Mugali, Tq: Shiggaon 30 farmers were participated. Preparation of foxtail & finger millet vermicelli was popularized through FLD .

Exhibition organized on value added millet products

Sl. No.	Date	Place
1	27-30, Sept-2015	Krishi Mela, KVK, Stall at UAS, Dharwad
2	19-22, November-2015	Krishi Mela at UAS, Bengaluru
3	05.12.2015	KVK, Hanumanamatti

3.12 Subscribe at least 1000 farmers for Krishi Munnade magazine

To be implemented

3.13 Conduct programmes on terrace cultivation in collaboration with department of Horticulture and other line department

To be implemented

3.14 Awareness programmes on Honey bee cultivation

To be implemented

3.15 Suggested to take up FLDs on Mango fruit fly near Hangal area

To be implemented

3.16 Enhance production of vermicompost and trichoderma

Vermicompost Production		
Sl. No.	Month	Production (kg)
1.	Dce-15	500 kg

Trichoderma Production		
Sl. No.	Month	Production (kg)
1.	December-2014	38
2.	January-2015	55
3.	March-2015	60
4.	May-2015	40
5.	June-2015	35
6.	July-2015	60
7.	August-2015	69
8.	Sept-2015	90
9.	Oct-2015	30
10.	Nov-2015	20
11.	Dec-2015	40
12.	Jan-2016	55

3.17 Suggested to arrange SAC meeting before Kharif and Conduct yearly twice

Planned for SAC meeting before kharif and conducted yearly twice

3.18 Conduct awareness programmes on Agril. engineering particularly on crop harvesting and weed cutting

Under progress

3.19 Conduct demonstrations on crop management in chilli and tomato

Conducted demonstration on chilli & tomato through FLD

Sl. No.	FLD title	No. of Demo.	Village
1.	Management of mite & sucking pests causing chilli leaf curl	10	Masur, Nidanegla
2.	Demonstration of Tomato variety Arka Rakshak	10	Asundi, Chatra

3.20 Suggested to create awareness about millet processing equipments under INSIMP project and to formulate proper guide lines for farmers use. Further register the name of the famers who have utilized these equipments

Under progress

3.21 Suggested to grow Anjana grass in hilly zones and transplant tamarind seedlings all along path and to create awareness about value addition of tamarind.

To be implemented during coming kharif 2016

3.22 Conduct more demonstrations at farmers field

a. On Farm Testing (OFT)

Sl.No.	Crop	Title	Number
1	Groundnut	Assessment of Groundnut variety Dh-101(R/S)	5
2	Onion	Thrips & purple blotch management in onion (K)	5
Total			10

b. Frontline Demonstration (FLD)

Sl. No.	Crop	Title	Number
1.	Niger	Demonstration of Niger variety DNS-4(K)	10
2.	Sugarcane	Demonstration of Sustainable Sugarcane Initiative (SSI)	3
3.	Onion	Demonstration of onion variety of Agri found Light red	20
4.	Tomato	Demonstration of Tomato variety Arka Rakshak	10
5.	Cowpea	Demonstration of cowpea variety Khasi Kanchan	5
6.	Chilli	Management of mite & sucking pests causing chilli leaf curl (R/S)	10
7.	Foxtail millets	Demonstration of Foxtail millet vermicelli as an IGA Activity	5
8.	Finger millets	Demonstration of Finger millet vermicelli as an IGA	5
		Total	68

c. NFSM (Technology Demonstrations)

Sl. No.	Crop	Title	Number
1.	Sorghum	Popularization of Rabi sorghum variety SPV-2217	30
2.	Foxtail millet	Popularization of foxtail millet variety DHFt-109-3	17
3.	Little millet	Popularization of Little millet variety DHLm-36-3	20
		Total	67

d. Cluster Rabi FLD :

Sl.No.	Crop	Number
1	Bengal gram	30
2	Groundnut	30
	Total	60

e. Demonstration on BMPs (Sunflower)

Sl.No.	Crop	Locations (One acre each)	Qty (kg)	Remarks
1	Sunflower	60	120	Implemented

3.23 Introduce HF cross breeds of cattle in dairy unit

To be implemented during 2016

3.24 Suggested to Initiate Goat rearing unit

To be implemented during 2016

3.25 Convince farmers to grow more pigeon pea instead of maize and arrange more demonstration on pigeon pea

To be implemented during 2016

3.26 Popularization of non flowering sugarcane varieties released by UAS, Dharwad

Popularized non flowering variety in sugarcane (SNK-07680) released by UAS, Dharwad through FLD during 2014 & 2015

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, Cotton, Minor millets, Sorghum, Groundnut, Sunflower, Soybean, Bengalagram, Greengram, Banana, Manago, Sapota, Arcanut, Flowers crops, Dairy, Sheep, Goat, Poultry, Integrated farming system, Agri-silivi-horti-pasture etc.,

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

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).

S. No	Agro ecological situation	Characteristics

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	244310
2.	Red Sandy loam Soils	Depth 1 to 2 ft Medium Fertile soils	228340
3.	Red Shallow Soils	Depth less than 1 ft Poor fertile soils	21760

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.	Cotton	72,200	72,200	1000
2.	Rice	49,300	1,01,291	2050
3.	Maize	1,43,000	7,15,000	5000
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 -15	66.2	36	22	68.56
May-15	98.2	37	23	78.80
June-15	200.8	31	22	84.96
July-15	69.4	31	22	87.06
August-15	71.0	30	21	87.90
September-15	90.0	31	22	91.63
October-15	140.6	31	21	77.25
November-15	4.6	30	20	81.4
December-15	0.0	31	18	73.38
January-16	0.2	30	17	64.5
February-16	0.0	34	20	53.2
March-16	0.0	36	23	74
Sources	IAAS, Dharwad	Accuweather.com		IAAS, Dharwad

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 2015-16 Yes

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Byadgi	Byadgi	Alalageri	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
2.	Byadgi	Byadgi	Alalageri	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
3.	Byadgi	Byadgi	Byadgi	3 Years	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
4.	Byadgi	Byadgi	Chikkabasur	2 Years	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
5.	Byadgi	Byadgi	Motebennur	2 Years	Little millet	Decreasing productivity in Little due local variety	Varietal Evaluation
6.	Byadgi	Byadgi	Motebennur	2 Years	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
7.	Byadgi	Byadgi	Ramagon danahalli	1 Year	Cowpea	Decreasing productivity in cowpea due local variety	Varietal Evaluation
8.	Byadgi	Byadgi	Ramagon danahalli	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
9.	Byadgi	Byadgi	Ramagon danahalli	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
10.	Byadgi	Byadgi	Ramagon danahalli	1 Year	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
11.	Byadgi	Byadgi	Kadaramandalagi	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
12.	Byadgi	Gummanahalli	Gummanahalli	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
13.	Byadgi	Gummanahalli	Gummanahalli	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
14.	Byadgi	Kaginele	Kalagonda	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
15.	Byadgi	Kaginele	Kaginele	1 Year	Groundnut	Decreasing productivity in groundnut due local variety	Varietal Evaluation
16.	Haveri	Guttal	Halagi	2 Years	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
17.	Haveri	Guttal	Negalur	1 Year	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
18.	Haveri	Guttal	Negalur	1 Year	Little millet	Decreasing productivity in Little millet due local variety	Varietal Evaluation
19.	Haveri	Haveri	Katenahalli	1 Year	Little millet	Decreasing productivity in Little millet due local variety	Varietal Evaluation

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
20.	Hirekerur	Hirekerur	Hosakatti	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
21.	Hirekerur	Hirekerur	Hosakatti	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
22.	Hirekerur	Rattihalli	Hosaveera pura	1 Year	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
23.	Hirekerur	Rattihalli	Masur	3 Years	Chilli	Decreasing yield due to incidence of leaf curl in chilli	Integrated Disease Management
24.	Hirekerur	Rattihalli	Nidanegil a	1 Year	Chilli	Decreasing yield due to incidence of leaf curl in chilli	Integrated Disease Management
25.	Hirekerur	Kaginele	Chikkanaji	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
26.	Hirekerur	Kaginele	Tummarik oppa	1 Year	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
27.	Ranebennur	Kuppeluru	Itagi	1 Year	Cowpea	Decreasing productivity in cowpea due local variety	Varietal Evaluation
28.	Ranebennur	Kuppeluru	Itagi	1 Year	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
29.	Ranebennur	Kuppeluru	Itagi	1 Year	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
30.	Ranebennur	Ranebennur	Kajjari	3 Years	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
31.	Ranebennur	Ranebennur	Kajjari	3 Years	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
32.	Ranebennur	Ranebennur	Kajjari	3 Years	Onion	Decreasing in yield due incidence of disease	Integrated Disease Management
33.	Ranebennur	Ranebennur	Kajjari	3 Years	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
34.	Ranebennur	Ranebennur	Kakol	3 Years	Onion	Decreasing productivity in Onion due local variety	Varietal Evaluation
35.	Ranebennur	Ranebennur	Kako;	3 Years	Sorghum	Decreasing productivity in Sorghum due local variety	Varietal Evaluation
36.	Ranebennur	Ranebennur	Kakol	3 Years	Tomato	Decreasing productivity in Tomato due local variety	Varietal Evaluation
37.	Ranebennur	Ranebennur	Ranebennur	1 Year	Foxtail & Finger millet vermicelli	Lack of awareness on production technology	Value Addition
38.	Savanur	Hattimattur	Dodaramattur	1 Year	Niger	Decreasing productivity in Niger due local variety	Varietal Evaluation

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
39.	Savanur	Hattimattur	Hiremaganur	1 Year	Niger	Decreasing productivity in Niger due local variety	Varietal Evaluation
40.	Savanur	Savanur	Mellagatti	1 Year	Little millet	Decreasing productivity in Little millet due local variety	Varietal Evaluation
41.	Shiggaon	Dundsi	Timmapur	2 Years	Foxtail millet	Decreasing productivity in Foxtail millet due local variety	Varietal Evaluation
42.	Shiggaon	Dundsi	Timmapur	1 Year	Foxtail & finger millet vermicelli	Lack of awareness on production technology	Value Addition
43.	Shiggaon	Shiggaon	Mugali	1 Year	Little millet	Decreasing productivity in Little millet due local variety	Varietal Evaluation
44.	Shiggaon	Shiggaon	Mugali	1 Year	Foxtail millet	Decreasing productivity in Foxtail millet due local variety	Varietal Evaluation

2.9 Priority thrust areas

S. No	Thrust area
1	Integrated Crop Management
2	Integrated Pest and disease management
3	Varietal evaluation & Popularization
4	Processing and value addition

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
02	02	10	10	13	11	150	135

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
60	57	1500	1580	397	397	808000	808966

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
51	39.74	12000	10830

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	500	341

3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

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.	Varietal evaluation	Groundnut	<ul style="list-style-type: none"> Decreasing productivity in groundnut in Rabi/summer season Low yield due to poor management Susceptible to leaf spot & rust Lack of uniform maturity 	Assessment of Groundnut variety Dh-101(R/S)	-	02	-	02	03	5.8	-	-	-	-
2.	Integrated pest & disease management	Onion	Severe thrips (20%) & purple blotch (25%) infestation reducing the yield upto 25-35%	Thrips & purple blotch management in onion (K)	-	04	-	-	03	-	-	-	05	2.5
3.	Varietal evaluation	Niger	<ul style="list-style-type: none"> Low yield Lack of awareness on new variety 	-	Demonstration of Niger variety DNS-4(K)	02	-	02	02	0.05	-	-	-	-
4.	Resource Conservation Technologies	Sugarcane	<ul style="list-style-type: none"> Low yield (40-50 t/ac) Higher mortality in Direct planting Number of tillers/plant is less Accessibility to air and sunlight is less No. uniformity among the plants 	-	Demonstration of Sustainable Sugarcane Initiative (SSI)	02	-	-	02	-	7500	-	-	-
5.	Varietal evaluation	Onion	<ul style="list-style-type: none"> Low yield (160-180 q/ha) in local varieties High incidence of purple blotch (15-20%) 	-	Demonstration of onion variety of Agri found Light red	04	-	-	05	0.4	-	-	-	2

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
6.	Varietal evaluation	Tomato	<ul style="list-style-type: none"> • Low yield (10-12 q/ha) • Long duration (90-100 days) • Susceptible to pest & diseases 	-	Demonstration of Tomato variety Arka Rakshak	03	-	-	04	0.0075	-	-	-	-
7.	Varietal evaluation	Cowpea	<ul style="list-style-type: none"> • Low yield & Long duration (110-120 days) in local variety 	-	Demonstration of cowpea variety Khasi Kanchan	02	-	-	03	0.4	-	-	-	-
8.	Integrated Pest Management	Chilli	<ul style="list-style-type: none"> • Low yield (50-60 q/ha green chilli) due to high incidence of leaf curl (35-40%) • Indiscriminate use of pesticide 	-	Management of mite & sucking pests causing chilli leaf curl (R/S)	03	-	01	03	-	-	-	-	-
9.	Value addition	Foxtail millet vermicelli	Lack of awareness on production technology	-	Demonstration of Foxtail millet vermicelli as an IGA Activity	02	-	-	04	-	-	-	-	-
10.	Value addition	Finger millet vermicelli	Lack of awareness on production technology	-	Demonstration of Finger millet vermicelli as an IGA	02	-	-	0	-	-	-	-	-
11.	Varietal evaluation	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	03	-	02	03	0.9	-	-	-	30

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
										No.	Kg			
12.	Varietal evaluation	Foxtail millet	<ul style="list-style-type: none"> • Low yield • Lack of awareness on new variety 	-	Demonstration of foxtail millet variety DHFt-109-3	03	-	01	02	0.51	-	-	-	-
13.	Varietal evaluation	Little millet	<ul style="list-style-type: none"> • Low yield • Lack of awareness on new variety 	-	Demonstration of Little millet variety DHLm-36-3	03	-	01	02	0.6	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enter prise	No. of programmes conducted			
				OF T	FL D	Trainin g	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of Groundnut variety Dh-101(R/S)	UAS, Dharwad	Groundnut	5	-	3	3
2.	Thrips & purple blotch management in onion (K)	NRC for Onion & Garlic, Rajgurunagar(Pune)	Onion	5	-	3	3
3.	Demonstration of Niger variety DNS-4(K)	UAS, Dharwad	Niger	-	10	2	2
4.	Demonstration of Sustainable Sugarcane Initiative (SSI)	Water technology center ,TNAU Coimbatore	Sugarcane	-	3	2	2
5.	Demonstration of onion variety of Agri found Light red	NHRDF, Nasik	Onion	-	20	4	5
6.	Demonstration of Tomato variety Arka Rakshak	IIHR, Bangalore	Tomato	-	10	3	4
7.	Demonstration of cowpea variety Khasi Kanchan	NHRDF, Nasik	Cowpea	-	05	3	3
8.	Management of mite & sucking pests causing chilli leaf curl (R/S)	UAS, Dharwad	Chilli	-	10	3	3
9.	Demonstration of Foxtail millet vermicelli as an IGA Activity	UAS, Dharwad	Foxtail millet vermicelli	-	05	2	4
10.	Demonstration of Finger millet vermicelli as an IGA	UAS, Dharwad	Finger millet vermicelli	-	05	2	2
11.	Demonstration of rabi sorghum variety SPV-2217	UAS, Dharwad	Sorghum	-	30	3	3
12.	Demonstration of foxtail millet variety DHFt-109-3	UAS, Dharwad	Foxtail millet	-	17	3	2
13.	Demonstration of Little millet variety DHLm-36-3	UAS, Dharwad	Little millet	-	20	3	2

3.B2 contd..

Crop	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	
Groundnut	05	0	0	0	-	-	-	-	10	0	0	0	10	0	0	
Onion	04	0	01	0	-	-	-	-	30	0	4	0	15	0	3	
Niger	-	-	-	-	09	-	01	-	25	0	4	0	16	0	2	
Sugarcane	-	-	-	-	03	0	0	0	10	0	0	0	10	0	00	
Onion	-	-	-	-	20	0	0	0	55	0	0	0	30	0	0	
Tomato	-	-	-	-	09	01	0	0	35	04	0	0	20	02	04	
Cowpea	-	-	-	-	05	-	-	-	15	0	0	0	10	0	0	
Chilli	-	-	-	-	10	-	-	-	35	0	04	0	30	0	05	
Foxtail millet vermicelli	-	-	-	-	0	05	0	0	05	10	0	0	05	05	0	
Finger millet vermicelli	-	-	-	-	0	5	0	0	05	10	0	0	05	05	0	
Sorghum	-	-	-	-	25	03	02	0	50	08	05	03	60	04	01	
Foxtail millet	-	-	-	-	11	00	06	0	30	04	05	02	40	0	05	
Little millet	-	-	-	-	17	0	03	0	45	02	01	03	60	0	06	

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
Varietal Evaluation	-	01	-	-	-	-	-	-	-	01
Integrated Pest Management	-	-	-	-	01	-	-	-	-	01
Total	-	01	-	-	01	-	-	-	-	02

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

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

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

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 trail covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	Groundnut	Assessment of Groundnut variety Dh-101(R/S)	05	05	02
Integrated Pest Management	Onion	Thrips & purple blotch management in onion (K)	05	05	02
Total			10	10	04

4.B.2. Technologies Refined under various Crops -Nil

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

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

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	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement	
1	2	3	4	5	6	7	8	9	10	11	12	
Onion	Rainfed	Severe thrips (20%) & purple blotch (25%) infestation reducing the yield upto 25-35%	Thrips & purple blotch management in onion (K)	05		<ul style="list-style-type: none"> • Pest & disease intensity Yield (q/ha) • Economics 	Thrips (%)	Purple Blotch (%)	Yield (q/ha)	Timely application of effective pesticides against pest and disease enhances the yield	-	-
					Indiscriminate use of insecticides		12.2	25.7	172			
					Lecanicilium lecani @ 2 g/L & Boron spray @ 1 g/L (2 sprays)		5.56	13.24	202			
					λ- cyhalothrin @ 0.5 ml/L + Difenconazole @ 1 ml/L (2 sprays)		2.06	5.46	234			
Groundnut	Irrigated	<ul style="list-style-type: none"> • Decreasing productivity in groundnut in Rabi/summer season • Low yield due to poor management • Susceptible to leaf spot & rust • Lack of uniform maturity 	Assessment of Groundnut variety Dh-101(R/S)	05	Farmers practice	<ul style="list-style-type: none"> • No. of pods per plant • Seed weight (100 kernels) • Duration(days) • Pod yield (q/ha) • Pest & disease incidence • Shelling (%) Economics 	Under progress					
					Cultivation of GPBD-5							
					Assessment of Dh-101							

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 Farmers' practice	-	172	q/ha	129985	2.70
Technology option 2 Lecanicilium lecani @ 2 g/L & Boron spray @ 1 g/L (2 sprays)	NRC for Onion & Garlic, Rajgurunagar(Pune)	202	q/ha	164035	3.09
Technology option 3 λ - cyhalothrin @ 0.5 ml/L + Difenconazole @ 1 ml/L (2 sprays)	NRC for Onion & Garlic, Rajgurunagar(Pune)	234	q/ha	200695	3.50
Technology option 1 Farmers practice	-	Under Progress			
Technology option 2 Cultivation of GPBD-5	UAS, Dharwad				
Technology option 3 Assessment of Dh-101	UAS, Dharwad				

4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1	Title of Technology Assessed	:	Thrips & purple blotch management in onion (K)
2	Problem Definition	:	Severe thrips (20%) & purple blotch (25%) infestation reducing the yield upto 25-35%
3	Details of technologies selected for assessment	:	Technology option 1 Farmers' practice Technology option 2 Lecanicilium lecani @ 2 g/L & Boron spray @ 1 g/L (2 sprays) Technology option 3 λ - cyhalothrin @ 0.5 ml/L + Difenconazole @ 1 ml/L (2 sprays)
4	Source of technology	:	NRC for Onion & Garlic, Rajgurunagar(Pune)
5	Production system and thematic area	:	Rainfed & Integrated pest & disease management
6	Performance of the Technology with performance indicators	:	λ - cyhalothrin & Difenconazole sprays showed better control of pest and disease
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Effective management of major pest and disease and higher yield
8	Final recommendation for micro level situation	:	Use of λ - cyhalothrin @ 0.5 ml/L + Difenconazole @ 1 ml/L for pest and disease management
9	Constraints identified and feedback for research	:	High incidence of thrips and purple blotch disease causes decrease in yield.
10	Process of farmers participation and their reaction	:	<ul style="list-style-type: none"> Farmers participated actively through out the implementation the programme including trainings Timely application of precise chemicals for the management of thrips and disease increased yield with effective management of pests

1	Title of Technology Assessed	:	Assessment of Groundnut variety Dh-101 for R/S
2	Problem Definition	:	To Check the suitable variety Dh-101
3	Details of technologies selected for assessment	:	Technology option 1 Farmers practices (TMV-2)
			Technology option 2: Cultivation of GPBD-5
			Technology option 3: Assessment of Dh-101
4	Source of technology	:	UAS, Dharwad
5	Production system and thematic area	:	Irrigated & Varietal evaluation
6	Performance of the Technology with performance indicators	:	<ul style="list-style-type: none"> Under progress
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	-

4.D1. Results of Technologies Refined -Nil

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2015

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1.	Oilseeds	Rainfed	Kharif 2015-16	Niger	DNS-4	-	Varietal evaluation	Demonstration of Niger variety DNS-4(K)	02	02	01	09	10	-
2.	Cereals	Irrigated	Rabi 2015-16	Sorghum	SPV-2217	-	Varietal evaluation	Demonstration of rabi sorghum variety SPV-2217	12	12	02	28	30	-
3.	Millets	Rainfed	Kharif 2015-16	Foxtail millet	DHFt-109-3	-	Varietal evaluation	Demonstration of foxtail millet variety DHFt-109-3	6.8	6.8	02	15	17	-
4.	Millets	Rainfed	Kharif 2015-16	Little millet	DHLm-36-3	-	Varietal evaluation	Demonstration of Little millet variety DHLm-36-3	8.0	8.0	03	17	20	-
5.	Vegetables	Irrigated	Rabi 2015-16	Onion	Agri found Light red	-	Varietal evaluation	Demonstration of onion variety of Agri found Light red	08	08	01	19	20	-
6.	Vegetables	Irrigated	Rabi 2015-16	Tomato	Arka Rakshak	-	Varietal evaluation	Demonstration of Tomato variety Arka Rakshak	04	04	00	10	10	-
7.	Vegetables	Irrigated	Rabi 2015-16	Cowpea	Khasi Kanchan	-	Varietal evaluation	Demonstration of cowpea variety Khasi Kanchan	02	02	00	05	05	-
8.	Vegetables	Irrigated	Rabi 2015-16	Chilli	-	-	Integrated pest & disease management	Management of mite & sucking pests causing chilli leaf curl (R/S)	04	04	0	10	10	-
9.	Commercial	Irrigated	Rabi 2015-16	Sugarcane	SNK-07680	-	Resource Conservation Technologies	Demonstration of Sustainable Sugarcane Initiative (SSI)	1.2	1.2	00	03	03	-
10.	IGA	-	Rabi 2015-16	Foxtail millet vermicelli	-	-	Processing and value addition	Demonstration of Foxtail millet vermicelli as an IGA Activity	05	05	0	05	05	-
11.	IGA	-	Rabi 2015-16	Finger millet vermicelli	-	-	Processing and value addition	Demonstration of Finger millet vermicelli as an IGA	05	05	0	05	05	-

5.A. 1. Soil fertility status of FLDs plots during 2015-16

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	Kharif 2015-16	Nizer	DNS-4	-	Varietal evaluation	Demonstration of Niger variety DNS-4(K)	Kharif 2015-16	L	M	M	Groundnut
2.	Cereals	Irrigated	Rabi 2015-16	Sorghum	SPV-2217	-	Variety introduction	Demonstration of rabi sorghum variety SPV-2217	Rabi 2015-16	M	M	M	Groundnut
3.	Millets	Rainfed	Kharif 2015-16	Foxtail millet	DHFt-109-3	-	Variety introduction	Demonstration of foxtail millet variety DHFt-109-3	Kharif 2015-16	L	M	M	Groundnut
4.	Millets	Rainfed	Kharif 2015-16	Little millet	DHLm-36-3	-	Variety introduction	Demonstration of Little millet variety DHLm-36-3	Kharif 2015-16	M	M	M	Groundnut
5.	Vegetables	Irrigated	Rabi 2015-16	Onion	Agri found Light red	-	Variety introduction	Demonstration of onion variety of Agri found Light red	Rabi 2015-16	M	M	M	Chilli, Cotton, Maize
6.	Vegetables	Irrigated	Rabi 2015-16	Tomato	Arka Rakshak	-	Variety introduction	Demonstration of Tomato variety Arka Rakshak	Rabi 2015-16	M	M	M	Maize, Soybean, Cotton
7.	Vegetables	irrigated	Rabi 2015-16	cowpea	Kashi Kanchan	-	Variety introduction	Demonstration of cowpea variety Khasi Kanchan	Rabi 2015-16	M	M	M	Chilli, Maize, Cotton, Groundnut
8.	Vegetables	Irrigated	Rabi 2015-16	Chilli	-	-	Integrated Pest Management	Management of mite & sucking pests causing chilli leaf curl (R/S)	Rabi 2015-16	M	M	M	Maize
9.	Commercial	Irrigated	Rabi 2015-16	Sugarcane	SNK-07680	-	Resource Conservation Technologies	Demonstration of Sustainable Sugarcane Initiative (SSI)	Rabi 2015-16	M	M	M	Maize

5.B. Results of Frontline Demonstrations

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
Oilseeds	Demonstration of Niger variety DNS-4(K)	DNS-4	-	Rainfed	10	02	4.5	2.5	3.6	3.1	16.13	2695	9000	6305	3.38	2695	7750	5055	2.90
Cereals	Demonstration of rabi sorghum variety SPV-2217	SPV-2217	-	Irrigated	30	12	31	29	30.33	25.96	16.83	14000	55273	41273	3.94	13716	47310	33593	3.34
Millets	Demonstration of Little millet variety DHLm-36-3	DHLm-36-3	-	Rainfed	20	8.0	14	9	11	8.2	31.7	4717.5	20097	15380	4.1	4718	14976	1025895	3.2
Millets	Demonstration of foxtail millet variety DHFt-109-3	DHFt-109-3	-	Rainfed	17	6.8	17.5	7.5	12.5	8.6	45	4462	22756	18294	5.25	4579	15565	10985	3.41
Vegetables	Demonstration of onion variety of Agri found Light red	Agri found Light red	-	Irrigated	20	08	226	123	181.3	140	31.8	72800	223260	150460	3.06	72800	168000	95200	2.3
Vegetables	Demonstration of Tomato variety Arka Rakshak	-	Arka Rakshak	Irrigated	10	04	120.6	109.5	116.2	64.4	44.57	62400	139445	77045	2.23	62400	77292	14892	1.2
Vegetables	Demonstration of cowpea variety Khasi Kanchan	Khasi Kanchan	-	Irrigated	05	02	95.2	92	93.82	50.2	34.26	45920	140730	94810	3.06	45900	92100	46200	2.0

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
Vegetables	Management of mite & sucking pests causing chilli leaf curl (R/S)	-	-	Irrigated	10		Under progress										
Commercial	Demonstration of Sustainable Sugarcane Initiative (SSI)	SNK-07680	-	Irrigated	03	1.2	Under Progress										

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
Onion variety of Agri found Light red - Bulb weight(gm)	73.85	65
Demonstration of Tomato variety Arka Rakshak – Days to 50% flowering (days)	28.4	29.5
Demonstration of Tomato variety Arka Rakshak – No. of fruits/plant (Number)	44.31	39.45
Demonstration of cowpea variety Khasi Kanchan – Pod length (cm)	32.6	30
Demonstration of cowpea variety Khasi Kanchan – Pod /plant (Number)	34.8	25.6
Demonstration of rabi sorghum variety SPV-2217- Fodder yield (q/ha)	67	57
Demonstration of Little millet variety DHLm-36-3- Fodder yield (q/ha)	29.7	22.3
Demonstration of foxtail millet variety DHFt-109-3- Fodder yield (q/ha)	25.58	16.88

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

5.B.3. Fisheries - Nil

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m ² }	Yield (gm)				% Increase	*Economics of demonstration (Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
IGA	Demonstration of Foxtail millet vermicelli	-	05	-	890	882	890	970	-	80	100	20	1.25	61	70	09	1.14
IGA	Demonstration of Foxtail millet vermicelli	-	05	-	910	892	900	970	-	65	80	15	1.23	61	70	8.2	1.13

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
Foxtail millet vermicelli Organoleptic score	7.8	8.0
Finger millet vermicelli Organoleptic score	6.8	7.5

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

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	0	0	0
2	Farmers Training	10	233	0
3	Media coverage	0	0	0
4	Training for extension functionaries	0	0	0
5	Others (Please specify)	0	0	0

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										
Tomato	Demonstration of Tomato variety Arka Rakshak	Arka Rakshak	10	04	120.6	109.5	116.2	64.4	44.57	62400	139445	77045	2.23	62400	77292	14892	1.2
Total			10	04													

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										
Integrated Farming	3	197	7	204	48	21	69	245	28	273
Integrated Crop Management	3	107	12	119	11	0	11	118	12	130
Soil and Water Conservation	5	60	20	80	2	0	2	62	20	82
Horticulture										
a) Vegetable Crops										
Protective cultivation	1	25	0	25	0	0	0	25	0	25
b) Fruits	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	2	51	18	69	67	17	84	118	35	153
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Value addition	1	19	0	19	4	0	4	23	0	23
Agril. Engineering										
Farm machinery and its maintenance	2	0	0	0	25	0	25	25	0	25
Plant Protection										
Integrated Pest Management	1	25	0	25	0	0	0	25	0	25
Integrated Disease Management	5	97	0	97	14	0	14	111	0	111
Bio-control of pests and diseases	1	20	0	20	0	0	0	20	0	20
Fisheries	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	52	2	54	6	0	6	58	2	60
Agro-forestry	-	-	-	-	-	-	-	-	-	-
TOTAL	25	653	59	712	177	38	215	830	97	927

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	1	15	0	15	2	0	2	17	0	17
Integrated Crop Management	4	70	0	70	3	0	3	73	0	73
Soil and Water Conservation	2	31	0	31	0	0	0	31	0	31
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	13	0	13	0	0	0	13	0	13
Protective cultivation	1	12	0	12	3	0	3	15	0	15
b) Fruits										
Cultivation of Fruit	1	97	6	103	5	1	6	102	7	109
c) Ornamental Plants										
Propagation techniques of Ornamental Plants	1	18	0	18	0	0	0	18	0	18
d) Plantation crops										
e) Tuber crops										
g) Medicinal and Aromatic Plants										
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	1	40	0	40	5	0	5	45	0	45
Soil and water testing	1	8	0	8	22	0	22	30	0	30
Livestock Production and Management										
Home Science/Women empowerment										
Value addition	2	44	16	60	15	5	20	59	21	80
Plant Protection										
Integrated Disease Management	1	30	0	30	0	0	0	30	0	30
Fisheries										
Production of Inputs at site										
Capacity Building and Group Dynamics										
Agro-forestry										
TOTAL	16	378	22	400	55	6	61	433	28	461

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

7.D. Training for Rural Youths including sponsored training programmes (off campus)- Nil

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

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

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	02	80	12	92	8	0	8	88	12	100	
2	Production and value addition	-	-	-	-	-	-	-	-	-	-	
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	-	-	-	-	-	-	-	-	-	-	
8	Farm machinery	-	-	-	-	-	-	-	-	-	-	
8.a.	Farm machinery, tools and implements	01	27	0	27	7	0	7	34	0	34	
10	Livestock production and management	-	-	-	-	-	-	-	-	-	-	
11.	Home Science	-	-	-	-	-	-	-	-	-	-	
12	Agricultural Extension	-	-	-	-	-	-	-	-	-	-	
	Total	04	159	15	174	40	26	66	199	41	240	

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	-	-	-	-	-	-	-	-	-	-
2	Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
3.	Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
4.	Income generation activities	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	1	9	7	16	0	0	0	9	7	16
5	Agricultural Extension	-	-	-	-	-	-	-	-	-	-
6.	Others	-	-	-	-	-	-	-	-	-	-
6.a	Coconut Palm Climbing & Plant protection	-	-	-	-	-	-	-	-	-	-
	Grand Total	1	9	7	16	0	0	0	9	7	16

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	1	109	0	109	0	0	0	15	0	15
Kisan Mela	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	02	196	0	196	0	0	0	44	0	44
Exhibition	05	1232	0	1232	0	0	0	441	0	441
Film Show	0	0	0	00	0	0	0	0	0	0
Method Demonstrations	06	117	0	117	0	0	0	6	0	6
Farmers Seminar	02	133	0	133	0	0	0	20	0	20
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	10	108	0	108	0	0	0	19	0	19
Lectures delivered as resource persons	13	1375	0	1375	0	0	0	138	0	138
Newspaper coverage	27	0	0	0	0	0	0	0	0	0
Radio talks	0	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	14	0	0	0	0	0	0	0	0	0
Extension Literature	07	0	0	0	0	0	0	0	0	0
Advisory Services	103	948	0	948	0	0	0	209	0	209
Scientific visit to farmers field	82	675	0	675	0	0	0	29	0	29
Farmers visit to KVK	109	234	0	234	0	0	0	0	0	0
Diagnostic visits	02	03	0	03	0	0	0	05	0	05
Exposure visits	01	08	0	08	0	0	0	0	0	0
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	0	0	0	0	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	01	0	3	3	0	0	0	0	0	0
Celebration of important days (specify)										
Special day- World Food day	01	20	0	20	0	0	0	0	0	0
Special day(Soil Health Day)	01	190	0	190	0	0	0	15	0	15
Any Other (Specify)										
KMAS (Text)	221	1507126	0	0	0	0	0	0	0	0
Total	608	1512474	3	5351	0	0	0	941	0	941

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

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals	Jowar	M-35-1		0.21	840	2
Cereals	Jowar	SSV-74		0.1	425	4
Cereals	Maize	SAT		0.05	175	1
Oilseeds	Groundnut	GPBD-4		3.5	23800	1
Oilseeds	Groundnut	GPBD-5		22	149600	1
Oilseeds	Groundnut	Dh 101		4.29	29172	2
Oilseeds	Soybean	JS-9305		0.75	3750	2
Pulses	Blackgram	Du-1		0.03	267	2
Pulses	Greengram	S-4		0.85	7565	7
Pulses	Horsegram	GPM-6		0.62	2480	5
Pulses	Pigeonpea	BSMR 736		25.625	228062.5	229
Fiber crops	Sunhemp	Local		5.06	20240	21
Millets	Barnyard millet	DHB-93-2		0.105	350	2
	Foxtail millet	DHFT-109-3		0.97	2441	9
	Foxtail millet	HMT-100-1		2.195	5495	24
	Little millet	Sukshema		6.535	21549.5	34
	Little millet	DHLM-36-3		0.61	2013	2
	Proso millet	DHPM-2769		0.115	383	4
Total				73.615	498608	352

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	Sugarcane	SNK-07680		7500	30000	1
Fruits	Guava	L-49		40	1600	1
Fruits	Sapota		DHS-1	10	400	1
Fruits	Sapota		DHS-2	477	19080	7
Spices	Curryleaf	Suvasini		2100	31500	10
Total				10127	82580	20

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio-fungicide	Trichoderma	464.5	46450	66
Total		464.5	46450	66

9.D. Production of livestock materials ; Nil

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
2004-05	Quarterly	300

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Morphological characterization of Alternaria spp causing leaf blight in Cotton	G.N. Hosagoudar, S.N. Chattannavar, S.A. Ashtaputre	11
Research papers	Management of foliar disease through triazole	S.A. Ashtaputre, S.N. Chattannavar and M.S.L. Rao	
Research papers	GGE biplot analysis for gran yield of single cross maize hybrids under stress and non-stress conditions	P.H. Kuchanur, P.M. Salimath, M.C. Wali and Channayya Hiremath	
Research papers	Morphological variation of Alternaria spp causing leaf blight in cotton	Sangeeta K D and S A Ashtaputre	
Research papers	Efficacy of strobilin compounds in management of early blight of tomato	S. A. Ashtaputre	
Research papers	Development of millet vermicelli and organoleptic evaluation Compendium technology for reaching the unreached	Sarojani J. K., Hilli, J.S. & Kumar C. J.,	
Research papers	Women Agriculture labours of Dharwad : An empirical study	Geeta S Tamgale, Veena Jadav & Yogita Masur	
Research papers	Understanding gender inequalities in wages of un organised sector in Dharwad : An Explorative study	Vinutha Muktamath, Veena Jadav & Geeta S Tamgale	
Research papers	Analysis of diversity and relationships among gladiolus (<i>Gladiolus hybrids</i>) cultivars using morphological and RAPD markers	Archana, B and Patil, V. S	
Research papers	Genetic variability, heritability, genetic advance and correlation coefficient in gladiolus genotypes	Archana B & Patil, V S, 2016	
Research papers	Genetic variability and heritability studies in gamma ray in irradiated mutant populations of gladiolus (<i>Gladiolus hybridus Hort</i>) varieties in M1V2 generation	Archana, B and Patil, V.S	
News letters	KVK News Letter(Jan-15 to June-15)	Sarojani J. K., S.A. Ashtaputre,D.S.M. Gouda	02
	KVK News Letter(July-15 to Oct-15)	Sarojani J. K., S.A. Ashtaputre,D.S.M. Gouda	
Popular articles	Aarogyavardhanegagi bale Hannina sukkeli	Vinuta,U.M. and Geeta, S.T	14
	Besigeyalliye eke maagi ulume?,	P. G. Tippanagoudar & B. Archana, 2015	
	Kereya Mannu hakuvudarinda eshtu prayojana?,	P. G. Tippanagoudar	
	Menasinakayi belege kuttaaguva rogagalu	S. A. Ashtaputre	
	Hatthiyalli samagra roga nirvahane	S. A. Ashtaputre	
	Suryakanthi uthpadane kunthitagolisuv rogagalu	S. A. Ashtaputre	
	Jala Sampanmulagala samartha	D.S. Mallikarjunappa Gowda	

	balakege neeravari paddatigalu		
	Hatti beleya bennatti kaduva rogagalu,	S. A. Ashtaputre	
	Hattiyalli pramukha rogagalu hagu avugala nirvahane	S. A. Ashtaputre	
	Importance of Drainage in Alkaline & Saline soils	D. S. Mallikarjunappa Gowda	
	Soil erosion and control measures	D.S. Mallikarjunappa Gowda	
	Methods of irrigation for Judicious use of natural resource	D.S. Mallikarjunappa Gowda	
	Soil and water conservation in contingency cropping	D.S. Mallikarjunappa Gowda	
	Underground water recharge	D.S. Mallikarjunappa Gowda	
Extension literature	Raagi Mattu Navane Shavige	Sarojani J. Karakannavar, Geeta S Tamagale, Arachna B	07
	Tricoderma ondu adhbuta shilindra Nashak	S.A. Ashtaputre, D.S.M. Gouda, Arachna B & C.P. Hiremath, Sarojani J. Karakannavar	
	Erulli besaya Haagu Sasya Samrakshana Kramagalu	Arachana B, S.A. Ashtaputre, D.S.M. Gouda & C.P. Hiremath, Sarojani J. Karakannavar,	
	Siri danyagal Mahatva & Sourakshane	Sarojani J. Karakannavar, Niramala Yanagi, Geeta S Tamagale, Arachna B	
	Hannu Mattu Tarakarigala Moulyavardita Aharagalu	Geeta S Tamagale, Arachna B, Sarojani J. Karakannavar	
	Navane Beleyalli Udyamasheelata Abhiruddi Mattu Moulyavardhane	Sarojani J. Karakannavar, Aruna Timmapur, Meghana	
	Uttama Arogya Haagu adayakkagi Hunase Hannina Moulyavardhane	Geeta S Tamagale, Arachna B & C. P. Hiremath, Sarojani J. Karakannavar	
Others			
Book	Shreesta Krishika/Krishi mahile sadanegalu	Sarojani J. K., S.A. Ashtaputre, Archana B	02
Book	Raita sadhakara anveshanegalu	Sarojani J. K., S.A. Ashtaputre, Archana B	
TOTAL			36

10.B. Details of Electronic Media Produced – Nil

10.C. Success Stories / Case studies

The Broad outline for the case study may be

- Title of the Success Story** : Enhancement of Onion production by management of major disease – Purple blotch using precise fungicide
- Farmer Name** : Sri. Shivakumar Shidaganal, Kakol Village, Tq: Ranebennur, Dist . Haveri
- Details of Success Story**
- 1. Background** : Sri. Shivakumar Shidaganal was facing drastic reduction in onion yield due to the incidence of purple blotch disease which is major disease in onion. In order to manage the disease he applied irrelevant type of pesticides which caused heavy loss in yield with unnecessary expenditure on pesticides.
- 2. Intervention Process** : In order to manage Purple blotch disease in onion, KVK demonstrated trials for the effective management of Purple blotch disease in onion with timely application of suitable fungicides in farmer's fields of different parts of Haveri district

- 3. Intervention Technology** : The farmer was keen on the management of major disease in onion and to get higher yield. In that view KVK demonstrated trials using timely application of suitable fungicide Difenconazole @ 1 ml/L (2-3 sprays after the incidence of disease) which controlled the purple blotch disease effectively in turn increased the yield upto 35% .
- 4. Impact Horizontal Spread** : The demonstration conducted in farmers field was convinced by neighboring farmers also and they too followed the similar technical intervention in their fields and opined that the timely application of precise pesticides controls the purple blotch disease effectively and increased the yield .
- 5. Impact Economic Gains** : By adopting the technology farmer received the higher yield of onion 250 q/ha and there was increase of 35 % yield over check. This is due to timely management of purple blotch disease with precise fungicide.
- 6. Impact on Employment Generation** : -

2.

Title of the Success Story : **Sustainable farming through seed production of Groundnut variety GPBD-5**

Farmer Name : Sri. Suresh Nalavadi ,Masur Village, Tq: Hirekerur, Dist . Haveri

Details of Success Story

1. Background

: There was reduction in productivity and quality seeds in groundnut due to cultivation of old local varieties like TMV-2 and also these varieties were susceptible to major diseases like leaf spots & rust. In order to combat this problem KVK demonstrated trials with new varieties of groundnut which are moderately resistant to major diseases and high yielding .

2. Intervention Process

: The Groundnut variety GPBD-4 has become successful in Haveri during Kharif of previous years. It has spread to more than 5000 ha in the District. The new variety GPBD-5 (with bold seeds and more yield than GPBD-4), is a promising variety of groundnut for Haveri district. Hence KVK has conducted demonstrations trials in farmers field to create awareness about new promising varieties which enhances production and productivity.

3. Intervention Technology

- : Processed seeds obtained from oil seed division, UAS, Dharwad has been provided to the farmer. The KVK scientists (including breeder) visited to the field for supervision and removed off types.
- Technology provided as follows:
 - a) New variety GPBD-5 (as seed component only)
 - b) ICM (advices only)
 - c) Fertilizer application as per soil test, IPM and IDM (advices only)

- 4. Impact Horizontal Spread** : Horizontal spread of the variety GPBD-5 has covered more than 1000 ha during recent years in Haveri district. The farmers of neighbouring villages, talukas convinced about the reliability of new variety over local with respect to quality seeds and production level.
- 5. Impact Economic Gains** : Farmers gained economic benefit of Rs.5000/- per ha as an additional income . So, a total of Rs. 5,00,000/- may be expected as income by adopting this new variety.
- 6. Impact on Employment Generation** : For harvesting, processing and value added products the employment be anticipated.

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Banana	Bunch bagging in Banana : In this method 1 kg plastic bag containing half kg cow dung, 10 gm sulphate of potash, 10 gm urea and 100 ml water mix altogether and tie this bag to lower portion of banana bunch.	Bunch bagging in Banana enabled uniform development of Banana fingers and weight of the bunches gained was 30 to 40 kg .
2	Mulberry	Preparation of Mulberry tonic: 1 kg of mulberry leaves mixed with ½ to ¾ kg of jaggery and kept in air tight box. After 3 days it is to be stirred every day for 21 days. Then tonic is ready for spray. While spraying mix 1.5- 2 ml of tonic in 1 liter of water and spray.	Application of mulberry tonic enhanced mulberry leaf yield 60 to 75 kg/ac.
3	Bio gas	Increasing bio gas production : The farmer mixed 3 kg of waste flour from flour mill and ½ kg jaggery with cowdung two times in a week to 1000 L bio gas sintex tank. This increased production of bio gas.	This practice enabled the farmer to increase production of biogas

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

- i. Number of villages adopted : 26
- ii. No. of farm families selected : 180
- iii. No. of survey/PRA conducted : 10

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment :01.04.2005
2. List of equipments purchased with amount :

Sl. No.	Name of Equipments	Qty (No's)	Rate	Cost
1.	Electronics weighing scale with battery Back up, (Physical Balance)	1	10471.00	10471.00
2.	Electronic Weighing Machine	1	57000.00	57000.00
3.	Elico Microprocessor based pH Analyser.	1	8900.00	8900.00
	Accessories			
	Combined Electrode type CL 51B for pH Meter Model : LI612	1	850.00	850.00
4.	Elico Microprocessor based EC TDS Analyser with CC-03B and ATC Probe.	1	9790.00	9790.00
	Accessories			
	Conductivity cell	1	1000.00	1000.00
5.	Elico Microprocessor based Flame photometer (SS),	1	32040.00	32040.00
	Accessories			
	Calcium filter	1	2200.00	2200.00
6.	Elico Microprocessor based Scanning Visible Spectro photometer. Model : SL 177	1	40050.00	40050.00
	Accessories			
	Software and interfacing accessories for Spectrophotometer		20000.00	20000.00
	One Pair of Quartz Cuvettes, 100 nos. of Plastic Cuvettes,			
	Tungsten Halogen lamp for Spectrophotometer			
7.	Double Distillation water still (Glass)Silica Sheathed heater, CAP : 2 L/hr	1	16000.00	16000.00
	Accessories			
	Spare Silica Heater for Double Distillation Water Still (Glass) Cap: 2 ltr/hr (One set –Two Nos. for Boiler I & II)	1 Set	2837.00	2837.00
8.	Double Distillation water still (Quartz)4 L./hr. Silica Sheathed heater, CAP:4 L/hr.	1	43050.00	43050.00
	Accessories			
	Spare Silica Heater for Double Distillation Water Still (Quartz) Cap:4 L/hr (One set –Two Nos. for Boiler I & II)	1 Set	5201.00	5201.00
9.	Water softner	1	3250.00	3250.00
10.	Shaking Machine	1	47025.00	47025.00
11.	Voltas Make 220 L. Capacity Refrigerator	1	10765.00	10765.00
	V-Guard Make 500 VA Stabilizer	1	1220.00	1220.00
	Refrigerator Stand	1	300.00	300.00
12.	Microprocessor based Block Digestion system	1	137350.00	142844.00
	Microprocessor based Automatic Nitrogen Distillation system	1	5494.00	
	Accessories			
	Electronic Acid Neutralizer Scrubber. Model: KEL VAC.	1	30400.00	30400.00
	S S Inset Rack. Model: KES 06 L.	1	6300.00	6300.00
	Exhaust Manifold System with Teflon Adaptors. Model: KES 06 LEM.	1	7160.00	7160.00
	Viton Tube for Triacid and Diacid Digestion. Model: KES VT.	3	3250.00	9750.00
13.	Hot air oven	1	16471.00	16471.00
14.	Hot plate	1	3046.00	3046.00
15.	Grinder	1	15435.00	15435.00
16.	Water Softener "Bhanu" Make Aqua Soft water softener (Model: AS- 600)	1	9752.00	9752.00
17.	Post Hole Augar Head Size: 3"	1	1200.00	1200.00
18.	Screw type Augar Head size :1.5 "	1	980.00	980.00

Sl. No.	Name of Equipments	Qty (No's)	Rate	Cost
19.	Sieve Brass Frame	04	650.00	2860.00
20.	Laboratory wares			
	Laboratory tables	03	16931.00	118517.00
		04	18944.00	75776.00
	Slotted angular iron racks	05	1421.00	7105.00
	Steel cabinet	9	5326.00	47934.00
	Wash basin	3	1500.00	45000.00
	Exhaust fan	3	1500.00	1500.00
	Laboratory racks	06	1026.00	6156.00
	Water tap with swan neck	3	785.00	2355.00
21.	Gas burner	01	1500.00	1500.00
22.	Laboratory stools	05	828.00	4140.00
23.	Laboratory Chemicals	-	-	85346.00
24.	Glassware	-	-	91357.00
25.	Elico Microprocessor based pH Analyser. Accessories: Combined Electrode type CL 51B for pH Meter Model : LI612	01	25000.00	25000.00
26.	Elico Microprocessor based EC Meter. Accessories: Combined Electrode type CL 51B for pH Meter Model : LI612	01	25000.00	25000.00
27	Double Distillation water still (Quartz)4 L./hr. Silica Sheathed heater, CAP:4 L/hr. Accessories : Softener	1	50000.00	50000.00
Total				11,44,833.00

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	17037	16804	Max 390	1085350
Water Samples	15131	15123	Max 365	756600
Plant samples	61	2	2	16300
Manure samples	4	2	2	600
Total	32233	31931	4	18,58,850

Details of samples analyzed during the 2015-16 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	2550	2550	348	153300
Water Samples	2446	2438	302	122300
Plant samples				
Manure samples				
Others (specify)				
Total	4996	4996	992	19984

10.I. Technology Week celebration during 2015-16 No

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

A. Introduction of alternate crops/varieties : Nil

B. Major area coverage under alternate crops/varieties : Nil

C. Farmers-scientists interaction on livestock management : Nil

D. Animal health camps organized : Nil

E. Seed distribution in drought hit states : Nil

F. Large scale adoption of resource conservation technologies : Nil

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No	No.of farmer s	No	No.of farmer s	No	No.of farmer s	No	No.of farmer s	No	No.of farmer s	No	No.of farmer s
Karnataka	10	350	06	195	0	0	01	270	0	0	0	0
Total	10	350	06	195	0	0	01	270	0	0	0	0

PART XI. IMPACT

11.A. Impact of KVK activities (Not to be restricted for reporting period). Nil

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Purple blotch management in Onion	05	35	130004	164003
Popularization of groundnut variety GPBD-4	20	55	61150	82850
Popularization of groundnut variety GPBD-5	20	55	61150	99100
Popularization of groundnut stripper	56	25	-	-

11.B. Cases of large scale adoption: Nil

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.
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

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

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 during 2015-16

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

Coordination activities between KVK and ATMA during 2015-16

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks
01	Meetings	Finalization of training	01	-	At UAS, Dharwad
02	Research projects				
03	Training programmes	Krishi Abhiyana	3	-	Collaboration with Dept. of Agriculture
04	Demonstrations	Demonstration	06	-	Collaboration with Dept. of Agriculture
05	Extension Programmes				
	Kisan Mela				
	Others	Kisan Ghosti	4	-	Collaboration with Dept. of Agriculture
06	Publications				
07	Other Activities				

12.D. Give details of programmes implemented under National Horticultural Mission-Nil**12.E. Nature of linkage with National Fisheries Development Board -Nil****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.	Farmers Scientist Interaction	Interaction	30000.00	30000.00	Conducted on 09.03.2016, for 100 Farmers At KVK H'Matti
2.	Groundnut and Seed Production	Seminar	83000.00	83000.00	Conducted on 10-11 March. 2016 for 100 Farmers at KVK, H'Matti
		Total Rs.	113000.00	113000.00	

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2015	35	141401	-
May 2015	26	97980	-
June 2015	47	187460	-
July 2015	60	245355	-
August 2015	28	173108	-
September 2015	2	75242	-
October 2015	4	100755	-
November 2015	3	75789	-
December 2015	4	102337	-
January 2016	5	128235	-
February 2016	4	102596	-
March 2016	2	51298	-
Total	220	1481556	

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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	-	-	Vemi compost	20	-	4000	-
2.	Fodder bank	2013	-	Co-4,Co-3, DHN-6,NB-21, BH-18, APBN-1, IGFRI-3, IGFRI-7, Guenia grass	-	-	-	-	-

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. (kg)	Cost of inputs	Gross income	
Cereals									
Foxtail Millets	1.06.15	11.09.15	0.6	DHFt-109-3	TL	238	1500	7140	
	16.06.15	20.09.15	0.2	DHFt-109-3	TL	145	1000	4350	
Fox tail millet	3.10.15	15.01.16	0.8	DHFt-109-3	TL	92	2000	2760	
Jowar	3.10.15	24.01.16	0.4	M 35-1	Bulk	30	-	600	Experimental plot
Jowar	5.10.15	25.01.16	0.4	M 35-1	Bulk	25	-	500	Experimental plot
Jowar	5.10.15	27.01.16	0.6	SPV-2217	TL	400	6000	18000	
Jowar	5.10.15	27.01.16		SPV-2217	Bulk	50		900	
Sunhemp	10.08.15	18.012.15	0.8	Local	TL	240	3000	9600	
Sunhemp	12.08.15	20.12.15	0.4	Local	TL	100	2000	4000	
Little millet	1.06.15	08.09.15	0.6	DHLm-36-3	TL	95	1000	2850	
Proso millet	27.07.15	08.09.15	0.2	DMPm-2769	TL	65	1000	1950	
Pulses									
Soybean	16.06.15	02.10.15	0.6	DSb-21	Bulk	75	2000	4000	
Greengram	1.06.15	08.08.15	0.2	S-4	Bulk	12	-	840	Experimental plot
Horsgram	10.08.15	26.12.15	0.4	GPM-6	TL	40	1500	1600	
Horsgram	12.08.15	27.12.15	0.6	GPM-6	TL	150	4000	6000	
Red gram	2.07.15	05.01.16	0.8	BSMR-736	TL	350	5000	7200	
Red gram	25.06.15	06.01.16	0.6	BSMR-736	TL	230	8000	31500	
Redgram	27.06.15	15.01.16	0.4	BSMR-736	TL	350	8000	20700	
Redgram	10.07.15	18.01.16	0.6	BSMR-736	TL	400	7000	22500	
Oilseeds									
Groundnut	26.06.15	08.10.15	0.1	GPBD-4	TL	410	6000	27200	
Groundnut	26.06.15	09.10.15	0.2	GPBD-5	TL	310	6500	20400	
Groundnut	26.06.15	10.10.15	0.2	Dh-101	TL	90	2500	6120	
Caster	18.06.15	10.12.15	0.2	DCH-177	Bulk	32	32		
Fibers									
Cotton	8.08.15	12.02.16	0.2	Bahubali	Bulk	45	-	-	Experimental plot
Fruits									
Sapota	-		0.8	Kalipatti & Cricketball	Fruit			12000	
Tamarind	-		0.2 (47trees)	10 Varieties	Fruit			11,000 Rupees auction	
Others (Seedlings)									
Curry leaf				Suvasini	Seedlings	2130	2850	16000	
Guava				L-49	Seedlings	400	-	1600	
Sapota				DHS-2	Seedlings	800	-	18280	
Sugarcane				SNK-	Seedlings	7500	15000	30000	

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

Sl. No.	Name of the Product	Qty (qtl)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Trichoderma	3.41	21000	34100	<ul style="list-style-type: none"> Awareness about importance of trichoderma has been created and there is need to have large scale production unit to meet increased demand of farmers

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. (L)	Cost of inputs	Gross income	
1	Cow	HFX Deoni cross breed	Milk	23388.5	250000/-	5,52,727/-	

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 2015	-	-	Occupied by Agricultural college Hanumanamatti for student hostel purpose
May 2015	-	-	
June 2015	-	-	
July 2015	-	-	
August 2015	-	-	
September 2015	-	-	
October 2015	-	-	
November 2015	-	-	
December 2015	-	-	
January 2016	-	-	
February 2016	-	-	
March 2016	-	-	

13.F. Database management

S. No	Database target	Database created
1.	Training Database	On Going
2.	Seeds and Planting Material Database	On Going
3.	Frontline Demonstrations Database	On Going
4.	KMAS details	On Going
5.	Soil Analysis Data Base	On Going
6.	Water Analysis Data Base	On Going
7.	KVK Inventory of Assets	On Going
8.	Extension Programmes	Under progress
9.	Resource inventory of the District	Under progress
10.	Farmers Database	Under Progress
11.	KVK Accounts Database	Under progress
12.	Technology Inventory for the District	Under progress
13.	Technologies assessed and Refined	Under progress
14.	KVK Publication	Under progress

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

Amount sanctioned (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
10,000.00	9,11,000	Farm	-	-	16095	110	05	10	<ul style="list-style-type: none"> Run of water harvested for recharge to borewell and best utilized for maintained for nursery, dairy and fodder bank

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	State Bank of India	UAS Dharwad	003151	Comptroller	-	580002304	SBIN0003151
With KVK	State Bank of India	Ranebennur	00909	Programmer Co-ordinator	10811387935	581002115	SBIN0000909

14.B. Utilization of KVK funds during the year 2015-16 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	71.95	71.95	87.73
2	Traveling allowances	1.00	1.00	1.75
3	Contingencies			
A	Stationery, teleph3.0one, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.00	1.00	1.00
B	POL, repair of vehicles, tractor and equipments	1.00	1.00	1.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.50	0.50	0.43
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.25	0.25	0.25
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.37	1.37	1.20
F	NFSM	1.00	1.00	0.72
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.46	0.46	0.46

S. No.	Particulars	Sanctioned	Released	Expenditure
G	Training of extension functionaries	0.00	0.00	0.00
H	Maintenance of buildings	0.00	0.00	0.00
I	Extension Activities	0.50	0.50	0.43
	Farmers field school	0.00	0.00	0.00
J	Establishment of Soil, Plant & Water Testing Laboratory	0.00	0.00	0.00
K	Library	0.05	0.05	0.00
L	Integrated Crop management	0.00	0.00	0.00
	TOTAL (A)	79.08	82.06	7.32
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)	8.00	8.00	7.32
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
	TOTAL (B)	8.00	8.00	7.32
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		87.08	87.08	102.26

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
ICAR				
April 2013 to March 2014	9.23	19.19	16.74	11.68
April 2014 to March 2015	11.67	12.98	18.75	5.89
April 2015 to March 2016	5.89	20.44	18.4	7.93

15. Details of HRD activities attended by KVK staff during 2015-16

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Sarojani J. Karakannavar	Sr. Scientist and Head	Interactive Workshop on Climate change	UAS, Dharwad	16.06.2015
Mr. D.S.M. Gowda	Scientist (Ag. Engg.)	E-extension for rural transformation	EEI, Hyderabad	14 th to 15 th Sept. 2015
Dr. Archana B	Scientist (Horticulture)	FPO Workshop	KVK, Gadag	29 th to 30 th Oct. 2015
Dr. Sarojani J. Karakannavar	Sr. Scientist and Head	FPO Workshop	KVK, Gadag	29 th to 30 th Oct. 2015
Dr. Sarojani J. Karakannavar	Sr. Scientist and Head	Strategies for Promoting Farmers Producer Organizations	NAARM, Hyderabad	9 th to 11 th Dec. 2015
Dr. C.P. Hiremath	Prog. Asst.(Lab)	Training for newly recruited farm manager, Programme Assistant, technical assistant, Assistant and Field assistant	UAS, Dharwad	10 th to 12 th Dec. 2015
Mrs. Kavita Lohar	Assistant	Training for newly recruited farm manager, Programme Assistant, technical assistant, Assistant and Field assistant	UAS, Dharwad	10 th to 12 th Dec. 2015

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. S.A. Ashtaputre	Scientist (Pl. Path.)	Capacity building workshop For Strengthening The Management And Monitoring Of Confined Field Trials Of Regulated crops	UAS, Dharwad	14.12.2015
Mrs. Geeta S Tamagale	Scientist (Home Science)	Community Radio for Agriculture	UAS, Dharwad	14.03.2016 to 17.03.2016
Dr. S.A. Ashtaputre	Scientist (Pl. Path.)	Community Radio for Agriculture	UAS, Dharwad	14.03.2016 to 17.03.2016

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

SUMMARY FOR 2015-16

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Varietal Evaluation	Groundnut	Assessment of groundnut variety Dh-101(R/s)	05
Integrated Disease Management	Onion	Thrips & Purple blotch management in onion	05
Total			10

Summary of technologies assessed under livestock : Nil

Summary of technologies assessed under various enterprises : Nil

Summary of technologies assessed under home science : Nil

II. TECHNOLOGY REFINEMENT- Nil

III. FRONTLINE DEMONSTRATION

Crops

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals	Variety introduction	Demonstration of rabi sorghum variety SPV-2217		30	12	30.33	25.96	16.83	Fodder yield (q/ha) 67	Fodder yield (q/ha) 57	14000	55273	41273	3.94	13716	47310	33593	3.34
Millets	Variety introduction	Demonstration of Little millet variety DHLm-36-3		20	8.0	11	8.2	31.7	Fodder yield (q/ha) 29.7	Fodder yield (q/ha) 22.3	4717.5	20097	15380	4.1	4718	14976	1025895	3.2
Millets	Variety introduction	Demonstration of foxtail millet variety DHFt-109-3		17	6.8	12.5	8.6	45	Fodder yield (q/ha) 25.58	Fodder yield (q/ha) 16.88	4462	22756	18294	5.25	4579	15565	10985	3.41
Oilseeds	Variety introduction	Demonstration of Niger variety DNS-4(K)		10	02	3.6	3.1	16.13	-	-	2695	9000	6305	3.38	2695	7750	5055	2.90
Vegetables	Variety introduction	Demonstration of onion variety of Agri found Light red		20	08	181.3	140	31.8	Bulb weight (gm) 73.85	Bulb weight (gm) 65	72800	223260	150460	3.06	72800	168000	95200	2.3
Vegetables	Variety introduction	Demonstration of Tomato variety Arka Rakshak		10	04	116.2	64.4	44.57	Days to 50% flowering (days) 28.4 No. of fruits/plant 44.31	Days to 50% flowering (days) 29.5 No. of fruits/plant 39.45	62400	139445	77045	2.23	62400	77292	14892	1.2
Vegetables	Variety introduction	Demonstration of cowpea variety Khasi Kanchan		05	02	93.82	50.2	34.26	Pod length (cm) 32.6 No. of pod/pl 34.8	Pod length (cm) 30 No. of pod/pl 25.6	45920	140730	94810	3.06	45900	92100	46200	2.0
Vegetables	Integrated Pest Management	Management of mite & sucking pests causing chilli leaf curl (R/S)		10	04	Under Progress												
Commercial	Resource conservation technology	Demonstration of Sustainable Sugarcane Initiative (SSI)		03	1.2	Under Progress												
	Total			125	48													

Livestock -Nil

Fisheries - Nil

Other enterprises

Category	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Others																	
IGA	Deminstration of Foxtail Millet vermicelli	-	05	-	890	970	-			80	100	20	1.25	61	70	09	1.114
IGA	Deminstration of Finger millet vermicelli		05	-	900	970	-			65	80	15	1.23	61	70	8.2	1.13
Total			10														

Women empowerment Nil

Farm implements and machinery – Nil

Other enterprises –Nil

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Vegetable crops										
Tomato	Arka Rakshak	10	04	116.2	64.4	44.57	62400	139445	77045	2.23
Total		10	04							

IV. Training Programme

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										
Integrated Farming	3	197	7	204	48	21	69	245	28	273
Integrated Crop Management	3	107	12	119	11	0	11	118	12	130
Soil and Water Conservation	5	60	20	80	2	0	2	62	20	82
Horticulture										
a) Vegetable Crops										
Protective cultivation	1	25	0	25	0	0	0	25	0	25
Soil Health and Fertility Management										
Soil fertility management	2	51	18	69	67	17	84	118	35	153
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Value addition	1	19	0	19	4	0	4	23	0	23
Agril. Engineering										
Farm machinery and its maintenance	2	0	0	0	25	0	25	25	0	25
Plant Protection										
Integrated Pest Management	1	25	0	25	0	0	0	25	0	25
Integrated Disease Management	5	97	0	97	14	0	14	111	0	111
Bio-control of pests and diseases	1	20	0	20	0	0	0	20	0	20
Fisheries	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	52	2	54	6	0	6	58	2	60
Agro-forestry										
TOTAL	25	653	59	712	177	38	215	830	97	927

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	1	15	0	15	2	0	2	17	0	17
Integrated Crop Management	4	70	0	70	3	0	3	73	0	73
Soil and Water Conservation	2	31	0	31	0	0	0	31	0	31
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	13	0	13	0	0	0	13	0	13
Protective cultivation	1	12	0	12	3	0	3	15	0	15
b) Fruits										
Cultivation of Fruit	1	97	6	103	5	1	6	102	7	109
c) Ornamental Plants										
Propagation techniques of Ornamental Plants	1	18	0	18	0	0	0	18	0	18
d) Plantation crops										
	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
	-	-	-	-	-	-	-	-	-	-
f) Spices										
	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	1	40	0	40	5	0	5	45	0	45
Soil and water testing	1	8	0	8	22	0	22	30	0	30
Livestock Production and Management										
	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Value addition	2	44	16	60	15	5	20	59	21	80
Agril. Engineering										
	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Disease Management	1	30	0	30	0	0	0	30	0	30
Production of Inputs at site										
	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
	-	-	-	-	-	-	-	-	-	-
TOTAL	16	378	22	400	55	6	61	433	28	461

Training for Rural Youths including sponsored training programmes (on campus) : Nil

Training for Rural Youths including sponsored training programmes (off campus)- Nil

Training programmes for Extension Personnel including sponsored training programmes (on campus)- Nil

Training programmes for Extension Personnel including sponsored training programmes (off campus)- Nil

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	02	80	12	92	8	0	8	88	12	100
2	Production and value addition	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
8	Farm machinery										
8.a.	Farm machinery, tools and implements	01	27	0	27	7	0	7	34	0	34
9.	Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
10	Livestock production and management	-	-	-	-	-	-	-	-	-	-
11.	Home Science	-	-	-	-	-	-	-	-	-	-
12	Agricultural Extension										
12.c	Farmers scientist interaction meet	01	52	3	55	25	26	51	77	29	106
	Total	04	159	15	174	40	26	66	199	41	240

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	-	-	-	-	-	-	-	-	-	-
2	Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
3.	Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
4.	Income generation activities	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	1	9	7	16	0	0	0	9	7	16
5	Agricultural Extension	-	-	-	-	-	-	-	-	-	-
6.	Others	-	-	-	-	-	-	-	-	-	-
6.a	Coconut Palm Climbing & Plant protection	-	-	-	-	-	-	-	-	-	-
	Grand Total	1	9	7	16	0	0	0	9	7	16

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	103	948	209	1157
Diagnostic visits	02	03	05	8
Field Day	01	109	15	124
Group discussions	10	108	19	127
Kisan Ghosthi	02	196	44	240
Film Show	0	0	0	0
Self -help groups	01	03	0	3
Kisan Mela	0	0	0	0
Exhibition	05	1232	441	1673
Scientists' visit to farmers field	82	675	29	704
Plant/animal health camps	00	00	00	0
Farm Science Club	00	00	00	0
Ex-trainees Sammelan	00	00	00	0
Farmers' seminar/workshop	02	133	20	153
Method Demonstrations	06	117	6	123
Celebration of important days				
Special day celebration				
World Food day	01	20	0	20
Farmers Day	02	150	25	175
World Soil health day	01	109	15	124
Exposure visits	01	08	0	8
Others (pl.specify)				
Groundnut Seminar	01	100	05	105
Lectures delivered as resource persons	13	1375	138	1513
Farmers visit to KVK	109	234	0	234
Total	342	5520	971	6491

Details of other extension programmes

Particulars	Number
Electronic Media	00
Extension Literature	07
News Letter	02
News paper coverage	27
Technical Articles	00
Technical Bulletins	00
Technical Reports	00
Radio Talks	00
TV Talks	01
Animal health camps (Number of animals treated)	00
Others (pl.specify)	
Book	02
Popular article	14
Abstracts	06
Total	59

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Jowar	M-35-1	0.21	840	2
Cereals	Jowar	SSV-74	0.1	425	4
Cereals	Maize	SAT	0.05	175	1
Oilseeds	Groundnut	GPBD-4	3.5	23800	1
Oilseeds	Groundnut	GPBD-5	22	149600	1
Oilseeds	Groundnut	Dh 101	4.29	29172	2
Oilseeds	Soybean	JS-9305	0.75	3750	2
Pulses	Blackgram	Du-1	0.03	267	2
Pulses	Greengram	S-4	0.85	7565	7
Pulses	Horsegram	GPM-6	0.62	2480	5
Pulses	Pigeonpea	BSMR 736	25.625	228062.5	229
Fiber crops	Sunhemp	Local	5.06	20240	21
Millets	Barnyard millet	DHB-93-2	0.105	350	2
Millets	Foxtail millet	DHFT-109-3	0.97	2441	9
Millets	Foxtail millet	HMT-100-1	2.195	5495	24
Millets	Little millet	Sukshema	6.535	21549.5	34
Millets	Little millet	DHLM-36-3	0.61	2013	2
Millets	Proso millet	DHPM-2769	0.115	383	4
Total			73.615	498608	352

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety/ Hybrid	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	Sugarcane	SNK-07680		7500	30000	1
Fruits	Guava	L-49		40	1600	1
Fruits	Sapota	DHS-1		10	400	1
Fruits	Sapota	DHS-2		477	19080	7
Spices	Curryleaf	Suvasini		2100	31500	10
			Total	10127	82580	20

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio-fungicide	Trichoderma	464.5	46450	66
	Total	464.5	46450	66

Production of livestock and related enterprise materials- Nil

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2015-16

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	2550	2550	348	153300
Water Samples	2446	2438	302	122300
Plant samples				
Manure samples				
Others (specify)				
Total	4996	4996	9992	19984

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
01

IX. NEWSLETTER

Number of issues of newsletter published
02

X. RESEARCH PAPER PUBLISHED

Number of research paper published
11

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	16095	110	05

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