ANNUAL REPORT 2013-14

(APRIL 2013 TO MARCH 2014)

KRISHI VIGYAN KENDRA (HAVERI)

CONTENTS

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
Mr. D.S.Mallikarjunappa Gowda	9449069431	09448495338	dsmgouda@gmail.com

1.4. Year of sanction: 1977

1.5. Staff Position (as 31st March 2014)

Sl. No.	Sanctioned post	Name of the incumbent	Design ation	M /F	Discipline	Highest Qualifi cation	Pay Scale	Basic pay	Date of joining KVK	Perm anent	Cate gory
1	Programme Coordinator	D.S.M.Gowda	PC	M	Ag. Engg.	M.Sc.	37400-61000	53820	09.06.11	Perm anent	Othe rs
2	SMS	S. A. Astaputre	SMS	M	Plant Pathology	Ph.D	37400-61000	52250	11.06.11	Perm anent	Othe rs
3	SMS	S.Y. Mukartal	SMS	M	Animal Science	M.V.Sc.	15600-39100	25050	06.07.09	Perm anent	Othe rs
4	SMS	Geeta S. Tamgale	SMS	F	Home Science	M.H.Sc.	15600-39100	24320	01.07.09	Perm anent	Othe rs
5	SMS	G. R.Rajakumar	SMS	M	Soil Science	Ph.D	15600-39100	25820	12.07.11	Perm anent	Othe rs
6	SMS	Vacant	-	-	-	-	-	-	-	-	-
7	SMS	Vacant	-	-	-	-	-	-	-	-	-
8	Prog. Asst. (Lab Tech.)	M. A. Gaddanakeri	Prog. Asst.	M	Soil Science	M. Sc.	9300-34800	15670	26.02.09	Perm anent	OBC
9	Prog. Asst. (Computer)	Rekha K.N.	Prog. Asst.	F	Computer science	M.Sc.	9300-34800	15670	12.11.08	Perm anent	OBC
10	Farm Manager	Sahirabanu Mugannur	Prog. Asst.	F	Farm Manager	B.Sc.	9300-34800	15210	02.07.09	Perm anent	OBC
11	Assistant	Vacant	-	-	-	-	-	-	-	-	-
12	Jr. Stenographe r	Saroja B. Talawar	Supporti ng staff Grade-III	F	Typist	B.A	16000-29600	17650	06.11.09	Perm anent	ST
13	Driver	Mahesh L.M.	Driver	M	Driver		11600-21000	13300	12.07.06	Perm anent	Othe rs
14	Driver	P.C. Kunbevin	Driver	M	Driver		11600-21000	21000	07.06.98	Perm anent	OBC
15	Supporting staff	C. V. Nelogal	Supporti ng staff`	M	Supportin g staff		10400-16400	14550	02.11.98	Perm anent	Othe rs
16	Supporting staff	K. B. Belakeri	Supporti ng staff	M	Supportin g staff		10400-16400	14550	01.07.02	Perm anent	OBC

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

S. No.	Name of building	Source of funding	Stage		
			Completed		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)
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.	Rain Water harvesting system	ICAR	31.01.2008	985.96	9.11

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tempo trax Judo KA27/M/1305	2002	4.50	309620	Under major repair
Motor cycle Bajaj CT-100 KA 27/ K8673	2005	0.40	32310	Good
Tractor and Trailer New Holland Ford 3230	2005	5.00	4254.9 hrs	Good
Motor cycle Bajaj CT-100 KA 27/L4836	2006	0.40	28542	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Xerox machine	2004-05	52,000.00	Good
Spectrophotometer	2005-06	40,050.00	Lens affected
Flame photometer	2005-06	32,040.00	Good
pH meter	2005-06	8,900 .00	Good
Conductivity bridge	2005-06	9,790,00	Good
Physical balance (Crude weight)	2005-06	10,890.00	Not working
Chemical balance	2005-06	57,000.00	Good
Water distillation still	2005-06	62,444.00	Coil & pats affected
Kjeldahl digestion and distillation (2 sets)	2005-06	1,42,844.00	.Good
Shaker	2005-06	47,025.00	Good
Refrigerator	2005-06	12,285.00	Good
Oven	2005-06	17,228.00	Good
Hot plate	2005-06	3,046.00	Good
Grinder	2005-06	15,635.00	Good
HP Computer with accessories	2006-07	39,216.00	Good
Multi media projector (LCD)	2006-07	58,488.00	Good
Power weeder	2006-07	36,220.00	Good
Mist blower	2006-07	35,110.00	Good
Toshiba E-Studio Xerox	2008-09	55,120.00	Good
Laser printer	2008-09	15,043.00	Good
LCD Motorized screen	2008-09	27,000.00	Good
Toshiba E-Studio Xerox	2009-10	55,120.00	Good
Computer with accessories	2009-10	3,00,000.00	Good

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
HP printer			
Scanner			
Server with accessories			
pH meter	2012-13	25,000.00	Good
EC meter	2012-13	25,000.00	Good
Kiosk	2012-13	1,25,000.00	Good
Water distillation still	2012-13	50,000.00	Good
Fax machine	2013-14	19,000.00	Good
Automatic seed cum fertilizer Drill with 9 tynes	2013-14	49000.00	Good
Post Hole Digger	2013-14	66400.00	Good
Self propelled power weeder	2013-14	19000.00	Good
3 HP multi purpose High pressure spray	2013-14	31000.00	Good
Cono weeder	2013-14	2900.00	Good
Cycle weeder	2013-14	2300.00	Good
Groundnut Decorticator	2013-14	11000.00	Good
Tractor drawn Groundnut digger	2013-14	46500.00	Good
8-ROW Ride –On paddy transplanater	2013-14	150000.00	Good
Multi crop thresher	2013-14	148800.00	Good

1.8. Details SAC meeting conducted in 2013-14

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	30.07.2013	33	03	Given below	Given below

3.1.1 Suitable proposal on Custom hiring Centre has to be submitted along with inclusion of one more paddy transplanter , reaper and weeder

Submitted the proposal for 11 items. Received sanction for 10 items of total cost Rs. 6,42,100

Sl. No.	Agricultural equipments	Quantity (No)	Cost per Unit (Rs.)	Total cost incurred (Rs.)
1.	Automatic seed cum fertilizer Drill with 9 tynes	03	49000.00	147000.00
2.	Post Hole Digger	01	66400.00	66400.00
3.	Self propelled power weeder	01	19000.00	19000.00
4.	3 HP multi purpose High pressure spray	01	31000.00	31000.00
5.	Cono weeder	02	2900.00	5800.00
6.	Cycle weeder	02	2300.00	5600.00
7.	Groundnut Decorticator	02	11000.00	22000.00
8.	Tractor drawn Groundnut digger	01	46500.00	46500.00
9.	8-ROW Ride –On paddy transplanater	01	150000.00	150000.00
10.	Multi crop thresher	01	148800.00	148800.00
			Total Rs.	**6,42,100.00**

Proposal submitted on 31.01.2014

Sl. No.	Specifications/ Materials	Qty (No)	Approx Cost (Rs./each)	Total Budget required (Rs.)
1.	Rotovator (6 feet)	01	110000.00	112000.00
2.	Paddy Thresher	01	160000.00	160000.00
3.	Power Reaper	01	85500.00	85500.00

3.1.2 Conduct various activities on Mango crop as its area is increasing in the district

Five demonstrations on mango special have been taken up in Karegudri village of Hangal taluka during 2013-14 under RKVY, Project

3.1.3 Establish kitchen garden, side by KVK, take similar kitchen garden models at farm households farmers fields.

Established the kitchen garden at KVK and taken up 10 demonstrations in farm families of Kakol, Mottebennur and Akkialur villages.

3.1.4 Conduct more extension activities on soil moisture conservation items like Hydro gel

Requested the source (IARI) to provide material

3.1.5 Take up NRM related programmes

Under Progress

3.1.6 Collect and analyze soil samples from different villages in the district and complete the work in two taluks with the joint co-ordination of Joint Director of Agriculture and provide soil health cards to farmers.

- Submitted the project through the university for funding under ATMA, Department of Agriculture, Haveri
- Reply not yet received

3.1.7 Nutrient status map of the district has to be prepared and displayed at the centre as many number of soils have been analyzed.

Yet to prepare. Soon it will be prepared

3.1.8 Submit complete information to advisory committee regarding technological products produced from the centre, bio products, plants, seeds and others samples.

Technological products produced from the centre, bio products, plants, seeds and others samples from April-13 to January-14

Type	Particulars	Variety	Procurement(Q)	Farm Produced (Q)	Total (qty)
Seed (Qtl)	Foxtail millet	HMT-100-1	-	0.75	0.75
	Groundnut	GPBD-4	9.70	12.40	22.40
		GPBD-5	22.40	5.04	27.44
		K-6	-	1.50	1.50
		G-2-52	-	0.75	0.75
	Soyabean	JS-9305	-	3.00	3.00
		Dsb-21	-	0.80	0.80
	Greengram	S-4	-	2.00	2.00
	Blackgram	DU-1	-	0.70	0.70
	Jowar	SSV-74	-	0.90	0.90
	Maize	SAT	-	0.8	0.80
	Little millet	Sukshema	-	10.00	10.00
	Foxtail millet	HMT 100-1	-	1.00	1.00
	Redgram	BSMR-736	-	10.00	10.00
	Horsegram	GPM-6	-	1.00	1.00
	Sunhemp	Local	-	1.00	1.00
Seedlings (Nos.)	Curry leaf	Suvasini		2770	2770
	Pigeon pea	BSMR 736		11000	11000
	Sugarcane	SNK7680	-	230	230
		CO 86032	-	365	365
		7332	-	225	225
		632	-	1130	1130
	Sapota	DSH-1		427	427
		DSH-2		160	160
	Tamarind	-		30	30
Vegetable (Qtl)	Cluster bean	IIHR		0.05	0.05
	French bean	IIHR		0.1	0.1
	Ladies finger	IIHR		0.1	0.1
	Pumpkin	IIHR		0.25	0.25
	Tomato	IIHR		0.38	0.38
Bio Agents (Qtl)	Trichoderma	-		0.73	0.73
Leafy	Amaranthus	IIHR		20	20

Vegetables (Nos.)	Coriander	Local		20	20
	Sabbasage	Local		23	23

3.1.9 Provide messages to selected farmers through mobile, electronic and printed medias.

Type	Particular	Thematic areas	No. of SMS	No. Of Farmers
Mobile	**Text (SMS)**	Animal Disease Management	7	10722
		Information	5	7627
		Integrated Disease Management	3	4607
		Integrated Pest Management	6	9489
		Market	12	19760
		Others	2	3208
		Training	3	4674
		Weather Forecasting	1	150
		Integrated Nutrient Management	1	1534
		Text Total	**40**	**61771**
	Voice call	Animal Disease Management	2	523
		Bio control of pests and diseases	1	110
		Information	2	296
		Integrated Disease Management	5	992
		Integrated Pest Management	5	912
		Nutrient use efficiency	1	110
		Training	1	272
		Integrated Crop Management	2	496
		Integrated Nutrient Management	3	556
		Awareness	2	296
		Varietal information	2	296
		Voice Total	**26**	**4859**
		Total	**66**	**66630**
Printed media	Popular articles	Halavu mukhagala halasu	05	-
		Akasmikadinda Laksha laksha galisida dalimbe belegara		
		Nooraru Gunagala nerale		
		Oushadiya Gunagal Nerale		
		Kaiyagina Bangara		
	Bulletin	Shenga bele besaya hagu maulyavardane	01	-
	Leaf lets	Hatti mattu govina jola belegala pramuka keeta mattu rogagala nirvahane kramagalu	01	-
Electronic media	TV Show	High yielding millet Varieties	01	-
		Processing and Value addition in millets	01	-
		Sheep breeds and management	01	-
	Radio	Drudgery reduction technologies for rural people	01	-

3.1.10 Complete information has to be collected and submitted on paddy and maize based cropping system of Hangal taluk in the district.

Paddy based cropping system : Paddy – Greengram/Bengalgram in Paddy fields after harvest
Maize based Cropping system : Maize – Greengram/Bengalgram, Groundnut
Cotton based cropping system: Cotton-Rabi sorghum, Maize (irrigation)- Bengalgram

3.1.11 Conduct IGAs for farm women by conducting extension activities on value addition to millets, food security, nutrient security and designer foods.

Training to farm women on theme areas like food security, nutritional security and importance of kitchen garden have been conducted.

3.1.12 Conduct training on sheep rearing, fodder enrichment, feed production and value addition under ATMA Project for skill development,

Conducted five training programs for SHGs groups in Guttal, Kabbur and DATC, Devihosur

3.1.13 Give importance to better utilization of fodder by taking silage concept demonstration developed by Baramati KVK.

OFT has been planned for 2014-15.

3.1.14 While conducting FLD take up complete package demonstration, formulate OFT & identify suitable Groundnut variety to rainy season.

- While implementing FLD complete package technology demonstration through trainings was given.
- OFT was conducted during 2013-14 to identify the suitable groundnut variety and it is continued for this year also.

3.1.15 While conducting field activities in maize, take up soil sample collection and analyze based on which micronutrient usage has to be stressed.

- Soil samples were collected and analysed
- OFT was conducted at Kulenoor to emphasize Micro nutrient usage in Maize crop based on soil test

3.1.16 Since the sugarcane area is increasing in the district (SSI) Sustainable Sugarcane Intensification model has to be adopted by obtaining technology from Tamil Nadu KVK (TNAU)

Seedling raising technique in sugarcane using single eye bud cutter was taken up during 2013-14. The SSI technology has been proposed as FLD in 2 ha during 2014-15

3.1.17 Before presenting the KVK report in front of SAC members, Mock presentation before SMS is required.

Action will be taken

3.1.18 Conduct more programmes on market led extension and innovations by rural home scientist.

Purchase of materials is under progress

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises

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

S. No	Agro-climatic Zone	Characteristics
1	Northern Transitional zone (Zone-8) & Hilly zone (Zone 9)	• 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
1	Deccan Plateau & Hills Region	Hot Semiarid ecosystem with shallow, medium deep & deep black soils and red soils with GP of 150-180 days (6.4)

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 ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April -13	46.4	36.1	20.9	55.5
May-13	46.8	33.9	22.5	66.9
June-13	145.0	27.1	21.1	85.0
July-13	211.7	25.9	20.9	89.7
August-13	56.2	26.5	20.6	87.8
September-13	131.0	28.7	20.8	85.3
October-13	68.1	29.8	20.7	80.5
November-13	0.6	30.4	17.0	64.3
December-13	0.0	29.7	13.9	54.1
January-14	0.0	30.2	15.6	54.5
February-14	0.0	31.7	17.0	57.8
March-14	0.7	33.6	19.1	52.1

* **Integrated Agromet Advisory Services (IAAS) Unit, Directorate of Research, University of Agricultural Sciences, Dharwad-580005**

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

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

Category	Area	Production	Productivity
Fish	5605 ha WSA	6581.6 metric tone/ 4000ha	1.6 metric tone/ha

2.7 District profile has been Updated for 2013-14 : 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	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Byadgi	Byadgi	Budapana halli	1	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
2.	Byadgi	Byadgi	Budapana halli	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
3.	Byadgi	Byadgi	Haranaha lli	1	Chickpea	• Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties	Demonstration of High yielding Variety
4.	Byadgi	Byadgi	Hireanaji	1	Chickpea	Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties	Demonstration of High yielding Variety
5.	Hangal	Hangal	Adooru	1	Soybean	Lack of awareness on new varieties • Incidence of rust	Integrated crop management
6.	Haveri	Haveri	Hosaritti	1	French bean	Local variety	Introduction of new variety
7.	Haveri	Haveri	Bammana katti	1	Maize	Scarcity of Green fodder (61%)	Demonstration of dual purpose variety

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered	Major crops & enterprises	Major problem identified	Identified Thrust Areas
8.	Haveri	Haveri	Hosaritti	1	Maize	Scarcity of Green fodder (61%)	Demonstration of dual purpose variety
9.	Haveri	Haveri	Bammana katti	1	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
10.	Haveri	Haveri	Basapura	1	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
11.	Haveri	Haveri	Bammana katti	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
12.	Haveri	Haveri	Basapura	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
13.	Haveri	Haveri	Bammana katte	1	Sunflower	• Indiscriminate use of fertilizers • Pest & diseases in rainfed sunflower	Integrated crop management
14.	Haveri	Haveri	Basapura	1	Sunflower	• Indiscriminate use of fertilizers • Pest & diseases in rainfed sunflower	Integrated crop management
15.	Haveri	Haveri	Guttal	1	Sunflower	• Indiscriminate use of fertilizers • Pest & diseases in rainfed sunflower	Integrated crop management
16.	Haveri	Haveri	Havanuru	1	Sunflower	• Indiscriminate use of fertilizers • Pest & diseases in rainfed sunflower	Integrated crop management
17.	Haveri	Kulenur	Kulenur	1	Sugarcane	• Weed incidence (72%) • Drudgery in weeding	Weed Management
18.	Haveri	Kulenur	Kulenur	1	Sugarcane	• Indiscriminate use of fertilizers • Trash burning	SFM & Trash Management
19.	Haveri	Kulenur	Kulenur	2	Cotton	• Indiscriminate use of fertilizers • Sucking pests (24%) • Shoot Weevil (15%) • Mirid bug (25%)	Integrated Crop Management
20.	Haveri	Kulenur	Kulenur	2	Maize	• Poor soil fertility variation in Maize yields	Soil health management
21.	Haveri	Guttal	Havanur	1	Banana	Indiscriminate use of fertilizers & leaf spot disease	Integrated Crop Management
22.	Haveri	Guttal	Timmapura	1	Onion	Purple blotch (21%)	Plant Protection
23.	Haveri	Haveri	Bammana katte		Cattle	Mange / tick infestation in cattle 48%	Animal Disease Management
24.	Haveri	Kulenur	Kulenur	1	Drudgery	Drudgery involved in	Nursery raising

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						cutting sugarcane eye buds	technique
25.	Haveri	Bommanahalli	Karegudari	1	Drudgery	Drudgery involved in cutting sugarcane eye buds	Nursery raising technique
26.	Hirekerur	Rattihalli	Masur	1	Sunflower	• Indiscriminate use of fertilizers • Pest & diseases in irrigated sunflower	Integrated crop management
27.	Hirekerur	Hirekerur	Chikkayadachi	1	Soybean	• Lack of awareness on new varieties • Incidence of rust	Integrated crop management
28.	Hirekerur	Hirekerur	Rattihalli	1	Soybean	• Lack of awareness on new varieties • Incidence of rust	Integrated crop management
29.	Hirekerur	Hirekerur	Makari	1	Groundnut	• Low yield • Lack of awareness on new varieties • Labour Scarcity	Integrated crop management
30.	Hirekerur	Hirekerur	Makari	1	Castor	Delay in onset of monsoon	Introduction to High yielding Variety
31.	Hirekerur	Hirekerur	Rattihalli	1	Chickpea	• Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties	Demonstration of High yielding Variety
32.	Ranebennur	Ranebennur	Ranebennur	1	Groundnut	Decreasing productivity in groundnut due to long dry spells in Kharif season	Integrated Crop Management
33.	Ranebennur	Ranebennur	Magod	1	French bean	Local variety	Introduction to new variety
34.	Ranebennur	Ranebennur	Kakol	2	French bean	Local variety	Introduction to new variety
35.	Ranebennur	Ranebennur	Kajjari	1	French bean	Local variety	Introduction to new variety
36.	Ranebennur	Ranebennur	Magod	1	Onion	• Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability	Integrated Crop Management
37.	Ranebennur	Ranebennur	Antharavalli	1	Onion	• Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability	Integrated Crop Management
38.	Ranebennur	Ranebennur	Kusaguru	1	Onion	• Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability	Integrated Crop Management
39.	Ranebennur	Kakol	Hanumanamatti	1	Onion	• Delayed rainfall (2 yrs) • Non availability of	Integrated Crop Management

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered	Major crops & enterprises	Major problem identified	Identified Thrust Areas
						varieties for late Kharif • Poor storability	
40.	Ranebennur	Kakol	Hanumanamatti	2	Maize	Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability Poor soil health management	Integrated Crop Management
41.	Ranebennur	Ranebennur	Kusaguru	1	Maize	Scarcity of Green fodder (61%)	Demonstration of dual purpose variety
42.	Ranebennur	Ranebennur	Joisaraharalahalli	2	Paddy	Scarcity of water	Water Management
43.	Ranebennur	Ranebennur	Yarekuppi	1	Paddy	Scarcity of water	Water Management
44.	Ranebennur	Ranebennur	Ranebennur	1	Paddy	Scarcity of water	Water Management
45.	Ranebennur	Kakol	Hanumanamatti	2	Paddy	Scarcity of water	Water Management
46.	Ranebennur	Ranebennur	Billalli	1	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
47.	Ranebennur	Ranebennur	Kajjari	2	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
48.	Ranebennur	Ranebennur	Hanumanamatti	1	Little millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
49.	Ranebennur	Ranebennur	Itagi	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
50.	Ranebennur	Ranebennur	Joisaraharalahalli	2	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
51.	Ranebennur	Ranebennur	Karur	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
52.	Ranebennur	Ranebennur	Ranebennur	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
53.	Ranebennur	Ranebennur	Saravanda	1	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition	Demonstration of High yielding Variety
54.	Ranebennur	Ranebennur	Antharavalli	1	Groundnut	Low yield • Lack of awareness on new varieties • Labour Scarcity	Integrated crop management

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered	Major crops & enterprises	Major problem identified	Identified Thrust Areas
55.	Ranebennur	Ranebennur	Kusagur	1	Groundnut	Low yield • Lack of awareness on new varieties • Labour Scarcity	Integrated crop management
56.	Ranebennur	Ranebennur	Joisaraharalahalli	2	Pigeonpea	Erratic rainfall	Integrated crop management & Transplanting
57.	Ranebennur	Kakol	Hanumanamatti	1	Pigeonpea	Erratic rainfall	Integrated crop management & Transplanting
58.	Ranebennur	Kakol	Hanumanamatti		Drudgery	Drudgery involved in cutting sugarcane eye buds	Nursery raising technique
59.	Savanur	Savanur	Honnikoppa	1	Dry land farming	Poor soil fertility under dry land situation	Soil fertility management
60.	Shiggaon	Shiggaon	Neeralakatti	1	Paddy	Scarcity of water	Water Management
61.	Shiggaon	Shiggaon	Jallikatti	1	Groundnut	Decreasing productivity in groundnut due to long dry spells in Kharif season	Integrated Crop Management
62.	Shiggaon	Shiggaon	Kundur	1	Groundnut	Decreasing productivity in groundnut due to long dry spells in Kharif season	Integrated Crop Management

2.9 Priority thrust areas

S. No	Thrust area
1.	Soil health management in Maize & Cotton
2.	Demonstration of High yielding varieties Groundnut, Soybean, Maize, Little millet,Foxtail millet , Chick pea
3.	Introduction of new varieties in Groundnut, Castor, French bean & Onion
4.	Integrated crop management in Sunflower, Pigeon pea, Bt-cotton & Banana
5.	Integrated Disease management in Onion
6.	Water management in Rice
7.	Weed, Soil fertility and trash management in Sugarcane
8.	Integrated farming System
9.	Quality seedling production in Sugarcane
10.	Animal Disease Management
11.	Drudgery reduction
12.	Feed & fodder management

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
04	04	26	23	21	21	219	268

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
134	108	5000	3716	900	633	25000	23029

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
70.00	55.69	15000	12950

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

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	Title of FLD	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.	Introduction of new variety	Groundnut	Decreasing productivity in groundnut due to long dry spells in Kharif season	Assessment of Groundnut variety Kadiri – 6 / G-2-52	-	2	-	-	7	5	-	-	-	0.5
2.	Introduction of new variety	French bean	Local variety	Introduction of New variety of French Bean	-	-	-	-	2	0.5	-	-	-	0.5
3.	Introduction of new variety	Onion	• Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability	Assessment of onion varieties	-	1	-	-	-	0.10	-	-	-	-
4.	Soil health Management	Maize	Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability Poor soil health management	Assessment of yield levels of maize under different soil health conditions	-	2	1	1	7	-	-	-	-	4.0
5.	Demonstration of dual purpose variety	Maize	Scarcity of Green fodder (61%)	-	Demonstration of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	1	-	-	4	0.9	-	-	-	-
6.	Water Management	Paddy	Scarcity of water	-	Aerobic rice cultivation	1	-	-	3	0.15	-	-	-	-
7.	Demonstration of HYV	Little millet	Lack of awareness on • High yielding varieties • Value addition	-	Demonstration of Sukshema variety of Little millet	2	-	-	5	1.25	-	-	-	-
8.	Demonstrati	Foxtail	Lack of awareness on	-	Demonstration of	2	-	-	4	0.63	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT	Title of FLD	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
	on of HYV	millet	• High yielding varieties • Value addition		HMT-100-1 variety of Foxtail millet									
9.	ICM	Sunflower (k)	• Indiscriminate use of fertilizers • Pest & diseases in irrigated sunflower	-	ICM in rain fed Sunflower	1	-	-	3	-	-	-	-	4.5
10.	ICM	Sunflower (R)	• Indiscriminate use of fertilizers • Pest & diseases in rainfed sunflower	-	ICM in irrigated Sunflower	2	-	-	2	-	-	-	-	17.5
11.	Demonstration of HYV	Soybean	Lack of awareness on new varieties • Incidence of rust	-	Demonstration of Soybean variety Dsb-21	2	-	-	4	2.40	-	-	-	-
12.	Demonstration of HYV	Groundnut	• Low yield • Lack of awareness on new varieties • Labour Scarcity	-	Demonstration of GPBD-5 with mechanization (Kharif)	2	-	-	6	5.0	-	-	-	0.5
13.	Demonstration of HYV	Groundnut	• Low yield • Lack of awareness on new varieties • Labour Scarcity	-	Demonstration of GPBD-5 with mechanization (R/S)	2	-	-	02	4.5	-	-	-	0.5
14.	Introduction of New variety	Castor	Delay in onset of monsoon	-	Introduction of improved Castor variety DCS-9	1	-	-	3	0.11	-	-	-	-
15.	ICM	Pigeonpea	Erratic rainfall	-	Transplanting technique in Pigeon pea	2	-	-	7	0.03	10000	-	-	-
16.	Interlocution of New variety	Chickpea	• Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties	-	Demonstration of Chickpea variety BGD-103	2	-	-	4	3.0	-	-	-	0.5

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT	Title of FLD	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
17.	Weed management	Sugarcane	• Weed incidence (72%) • Drudgery in weeding	-	Integrated weed management in Sugarcane	2	-	-	4	-	-	-	-	-
18.	Soil fertility and trash management	Sugarcane	• Indiscriminate use of fertilizers • Trash burning	-	Soil fertility and trash management in ratoon sugarcane	2	-	-	6	-	-	-	-	20
19.	ICM	Cotton	• Indiscriminate use of fertilizers • Sucking pests (24%) • Shoot Weevil (15%) • Mirid bug (25%)	-	ICM in Bt-Cotton	5	-	-	11	-	-	-	-	10
20.	ICM	Banana	Indiscriminate use of fertilizers & leaf spot disease	-	ICM in Banana	3	-	-	6	-	-	-	-	20
21.	Disease management	Onion	Purple blotch (21%)	-	Purple blotch disease management	3	-	-	8	-	-	-	-	-
22.	Disease management	Cattle	Mange / tick infestation in cattle 48%	-	Management of ecto-parasite infestation in cattle	02	-	-	2	-	-	-	-	-
23.	Planting material production	Drudgery	Drudgery involved in cutting sugarcane eye buds	-	Single eye bud cutter (Sugarcane)	3	-	-	3	-	05 Eye bud cutters			
24.	Soil fertility management	Foxtail	Poor soil fertility under dry land situation	-	Soil fertility management in dryland situations	02	-	-	02	0.50	-	-	-	-
25.	IFS	All Components	Low income & Poor management of resources	-	Establishment of IFS models in operational villages	03	-	-	2	0.013	320	-	-	-
26.	IGA by SHG's	Millets	Lack of knowledge on packaging	-	Innovative Activity	-	-	-	-	-	-	-	-	-

3.B2. Details of technology used during reporting period

S. No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted				No. of farmers covered															
								OFT				FLD				Training				Others (FV,GM,FD)			
				OFT	FLD	Training	Others	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1.	Assessment of Groundnut variety Kadiri – 6 / G-2-52	UAS, Dharwad	Groundnut	05	-	02	FV-6 GM-01	05	0	0	0	-	-	-	-	11	0	9	0	43	06	28	04
2.	Introduction of New variety of French Bean	IIHR, Bangalore	French Bean	05	-	02	FV-04	05	0	0	0	-	-	-	-	15	3	6	0	22	04	06	05
3.	Assessment of onion varieties	DOG, Rajgurunagar	Onion	05	-	02	FV-06	05	-	-	-	-	-	-	-	12	6	5	3	32	07	15	04
4.	Assessment of yield levels of maize under different soil health conditions	IARI, New Delhi	Maize	8	-	03	FV-04 GM-02 FD-01	08	00	00	00	-	-	-	-	57	0	10	0	46	00	00	00
5.	Demonstration of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	UAS, Bangalore	Maize	-	15	02	FV-04	-	-	-	-	13	1	1	0	56	1	14	1	42	12	19	02
6.	Aerobic rice cultivation	UAS,Bangalore	Paddy	-	7	02	FV-03 FD-01	-	-	-	-	04	00	02	01	11	02	03	01	52	19	21	06
7.	Demonstration of Sukshema variety of Little millet	UAS, Dharwad	Little millet	-	25	01	FV-02 FD-01	-	-	-	-	14	04	07	00	36	02	04	01	46	13	11	04
8.	Demonstration of HMT-100-1 variety of Foxtail millet	UAS Dharwad	Foxtail Millet	-	25	01	FV-02 FD-01	-	-	-	-	21	01	03	00	26	04	01	05	45	16	15	04
9.	ICM in rain fed Sunflower	UAS Dharwad	Sunflower	-	10	01	FV-02	-	-	-	-	08	00	02	00	09	00	00	00	20	00	00	00

S. No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted				No. of farmers covered													
								OFT				FLD				Training				Others (FV,GM,FD)			
				OFT	FLD	Training	Others	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
10.	ICM in irrigated Sunflower	UAS Dharwad	Sunflower	-	30	01	FV-04	-	-	-	-	25	00	05	00	25	00	05	00	40	00	08	00
11.	Demonstration of Soybean variety Dsb-21	UAS Dharwad	Soybean	-	10	02	FV-02	-	-	-	-	04	02	04	00	15	00	05	00	16	02	08	06
12.	Demonstration of GPBD-5 with mechanization (Kharif)	UAS Dharwad	Groundnut	-	10	02	FV-03 FD-01	-	-	-	-	10	00	00	00	35	5	2	1	54	08	15	06
13.	Demonstration of GPBD-5 with mechanization (Rabi)	UAS Dharwad	Groundnut	-	10	02	FV-02	-	-	-	-	08	00	02	00	36	07	02	01	12	08	06	01
14.	Introduction of improved Castor variety DCS-9	ICRISAT, Hyderabad	Castor	-	5	01	FV-05	-	-	-	-	05	00	00	00	10	2	08	00	15	06	11	00
15.	Transplanting technique in Pigeon pea	UAS, Raichur	Pigeon pea	-	5	01	FV-05 FD-01	-	-	-	-	05	00	00	00	09	00	00	00	72	21	45	12
16.	Demonstration of Chickpea variety BGD-103	UAS Dharwad	Chick pea	-	12	02	FV-03	-	-	-	-	10	00	02	00	21	01	09	00	06	03	08	02
17.	Integrated weed management in Sugarcane	UAS Dharwad	Sugarcane	-	25	02	FV-02	-	-	-	-	22	00	03	00	62	0	0	0	15	00	02	00
18.	Soil fertility and trash management in ratoon sugarcane	UAS Dharwad	Sugarcane	-	10	03	FV-06 GM-02	-	-	-	-	08	00	02	00	52	00	00	00	24	00	06	00
19.	ICM in Bt-Cotton	UAS Dharwad	Cotton	-	10	03	FV-06 GM-02	-	-	-	-	08	00	02	00	79	06	00	00	20	00	04	00
20.	ICM in Banana	UAS Dharwad	Banana	-	10	02	FV-02 GM-01	-	-	-	-	09	00	01	00	30	00	00	00	12	00	02	00

S. No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted				No. of farmers covered													
								OFT				FLD				Training				Others (FV,GM,FD)			
				OFT	FLD	Training	Others	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
21.	Purple blotch disease management	UAS Dharwad	Onion	-	10	01	FV-04 GM-01	-	-	-	-	10	00	00	00	25	03	00	00	15	00	06	00
22.	Management of ecto- parasite infestation in cattle	KVAFSU, Bidar	Cattle	-	20	03	FV-04	-	-	-	-	18	00	02	00	65	02	13	00	15	06	08	03
23.	Single eye bud cutter (Sugarcane)	WTC, Coimbatore	Drudgery	-	5	03	FV-03 GM-01	-	-	-	-	05	00	00	00	87	00	00	00	24	06	09	02
24.	Soil fertility management in dryland situations	UAS, Dharwad	Foxtail millet	-	10	01	FV-2 GM-01	-	-	-	-	02	00	08	00	14	00	00	00	10	00	10	00
25.	Establishment of IFS models in operational villages	UAS, Dharwad	IFS	-	6	03	FV-06	-	-	-	-	06	00	00	00	17	02	68	0	06	00	00	00
26.	Innovative Activity	KVK, Dharwad	IGA	-	01	01	-	-	-	-	-	-	05	-	-	-	16	-	04	-	-	-	-

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Vegetables	TOTAL
Integrated Nutrient Management	1	-	-	**1**
Varietal Evaluation	-	1	2	**3**
Total	**1**	**1**	**2**	**4**

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
Integrated Nutrient Management	Maize	Assessment of yield levels of maize under different soil health conditions	08	08	3.2
Varietal Evaluation	Groundnut	Assessment of Groundnut variety Kadiri – 6 / G-2-52	05	05	02
	French bean	Introduction of New variety of French Bean	05	05	01
	Onion	Assessment of onion varieties	05	05	02
		Total	**23**	**23**	**8.2**

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	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		4	5	6	7	8					9	10	11	12
Groundnut	Rainfed	Decreasing productivity in groundnut due to long dry spells in Kharif season	Assessment of Groundnut variety Kadiri – 6 / G-2-52	05	-	• No. of pods /pl • Duration(days) • Pod yield(q/ha) • PDI (%)	**No. of pods /pl**	**Duration (days)**	**PDI (%)**			**Pod yield (q/ha)**	• Higher pod yield • Less incidence of foliar diseases • Availability of green fodder	-	-
					Cultivation of TMV-2		28	105-110	33.50			15.00			
					Cultivation of GPBD-4		34	105-110	12.50			23.50			
					Assessment of K-6		29	100-105	31.25			17.00			
					Assessment of G-2-52		38	105-110	11.00			22.00			
French bean	Irrigated	Local variety	Introduction of New variety of French Bean	05	-	• Plant height (cm) • No. of pods /pl • Pod length (cm) • Yield (q/ha)	**Plant height (cm)**	**No. of pods /pl**	**Pod length (cm)**			**Yield (q/ha)**	Not found profitable due to High fluctuation in the market price	-	
					Arka Sharath		23.50	42.00	14.00			75.00			
Onion	Rainfed	Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability	Assessment of onion varieties	05	-	• Bulb weight (gm) • Bulb circumference • Bulb colour • Bulb shape • Bulb yield (q/ha) • PDI(%)	**Bulb weight (gm)**	**Bulb circumference (cm)**	**Bulb colour**	**Bulb shape**	**PDI(%)**	**Bulb yield (q/ha)**	• Higher yield • Medium size bulbs • Round shape & attractive colour • RS 200-300/q higher market rate compare to Bhima super • Moderately resistant to purple blotch	-	-
					Bellary red		24.06	12.3	Dark pink	Round	25-28	173			
					Arka Kalyan		38.17	14.4	Dark pink	Round	18-20	210			
					Bhima Super		39.40	14.3	Pink	Oval	18-20	195			

Crop	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		4	5	6	7	8								9	10	11	12
							Soil parameter (I-Initial, AH-After Harvest)											
							OC (%)		**N**		**$P_2 0_5$**		**K_2O**					
							I	**AH**	**I**	**AH**	**I**	**AH**	**I**	**AH**				
Maize	Rainfed	Poor soil health management	Assessment of yield levels of maize under different soil health conditions	08	-	• Soil parameter (Initial & after rabi season) • Seed yield • Fodder yield										Soil testing for compost preparation is required	Nutrient budgeting required	Nutrient Balance study
					Ordinary compost application. No management of soil health		0.44	0.44	84	82	7.9	7.5	75	72	Correction of OC & P status needed			
					Soil test based nutrient management		0.44	0.46	84	86	7.9	8.0	75	78	Increase yield by 25%			
					Production and application of enriched compost as per Soil testing (@ 2 t per ½ acre)		0.44	0.54	84	89	7.9	9.2	75	75	Increase yield by 66%			

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Assessment of Groundnut variety Kadiri – 6 / G-2-52					
Technology option 1 (Farmer's practice) Cultivation of TMV-2	-	15.00	q/ha	22750.00	1.76
Technology option 2 Cultivation of GPBD-4	UAS, Dharwad	23.50	q/ha	48450.00	2.43
Technology option 3 Assessment of K-6	Kadari research station, AP	17.00	q/ha	16775.00	1.45
Technology option 4 Assessment of G-2-52	UAS, Dharwad	22.00	q/ha	39375.00	2.04
Introduction of New variety of French Bean					
Technology option 1 Arka Sharath	IIHR, Bangalore	75.00	q/ha	98000.00	5.45
Assessment of onion varieties					
Technology option 1 (Farmer's practice) Bellary red	-	173.00	q/ha	560850.00	8.07
Technology option 2 Arka Kalyan	IIHR, B'lore	210	q/ha	700250.00	10.12
Technology option 3 Bhima Super	DOG, Rajgurunagar	195	q/ha	601250.00	8.40
Assessment of yield levels of maize under different soil health conditions					
Technology option 1 (Farmer's practice) Ordinary compost application. No management of soil health	Farmers practice	**Seed** 38	q/ha	24400.00	2.22
		Fodder 5.2	t/ha		
Technology option 2 Soil test based nutrient management	UASD	**Seed** 40	q/ha	26300.00	2.29
		Fodder 5.4	t/ha		
Technology option 3 Production and application of enriched compost as per Soil testing (@ 2 t per ½ acre)	IARI, New Dehli	**Seed** 53	q/ha	39050.00	2.74
		Fodder 6.2	t/ha		

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 : **Assessment of Groundnut variety G-2-52**

2 Problem Definition : Decreasing productivity in groundnut due to long dry spells in *Kharif* season

3 Details of technologies selected for assessment :
- T_1 Cultivation of TMV-2
- T_2 Cultivation of GPBD-4
- T_3 Assessment of K-6
- T_4 Assessment of G-2-52

4 Source of technology : UAS, Dharwad

5 Production system and thematic area : Rainfed & Varietal evaluation

6 Performance of the Technology with performance indicators :
- G2-52 recorded more number of pods /plant (38) over TMV-2 (28)
- Very less incidence of foliar diseases in G2-52

7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Higher yield and availability of green fodder
8	Final recommendation for micro level situation	:	Cultivation of GPBD-4/G2-52
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	• Farmers participated actively through out the implementation the programme including trainings • Happy with the yield of G2-52 over TMV-2 • Availability of good quality green fodder
1	Title of Technology Assessed	:	**Introduction of new variety of French Bean**
2	Problem Definition	:	Local variety
3	Details of technologies selected for assessment	:	T_1 - T_2 Arka Sharath
4	Source of technology	:	IIHR, Bangalore
5	Production system and thematic area	:	Irrigated &Varietal evaluation
6	Performance of the Technology with performance indicators	:	Good
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Not profitable compared to other vegetables
8	Final recommendation for micro level situation	:	-
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	Participated actively but the technology was found to be non profitable over other vegetables.
1	Title of Technology Assessed	:	**Assessment of onion varieties**
2	Problem Definition	:	• Delayed rainfall (2 yrs) • Non availability of varieties for late Kharif • Poor storability
3	Details of technologies selected for assessment	:	T_1 Bellary red T_2 Arka Kalyan T_3 Bhima Super
4	Source of technology	:	DOG, Rajgurunagar
5	Production system and thematic area	:	Rainfed & Varietal evaluation
6	Performance of the Technology with performance indicators	:	Arka kalyan was found to be superior for yield and other parameters & fetched higher market price

7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Higher yield, medium size bulbs and attractive colour fetching higher market price
8	Final recommendation for micro level situation	:	Cultivation of Arka Kalyan
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	• Farmers participated actively through out the implementation the programme including trainings • Happy with the yield of Arka kalyan and higher market price
1	Title of Technology Assessed	:	**Assessment of yield levels of maize under different soil health conditions (indicators : Soil pH, Organic Carbon, P & K status)**
2	Problem Definition	:	Poor soil health management & variation in yield levels of Maize
3	Details of technologies selected for assessment	:	T_1 Ordinary compost application. No management of soil health
		:	T_2 Soil test based nutrient management
		:	T_3 Production and application of enriched compost as per Soil testing (@ 2 t per ½ acre)
4	Source of technology	:	IARI, New Delhi
5	Production system and thematic area	:	Rain fed & Integrated Nutrient Management
6	Performance of the Technology with performance indicators	:	Soil testing and yield level correlation is helpful in knowing nutrient P & OC as controlling parameters
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Soil test based compost preparation is needed
8	Final recommendation for micro level situation	:	Compost enrichment based on soil testing is required
9	Constraints identified and feedback for research	:	Yield levels of any crop depends on climate seeds pest and diseases decides soil fertility
10	Process of farmers participation and their reaction	:	One as group leader, 7 as followers participated. Soil testing is must to know the deficiency in soil

4.D1. Results of Technologies Refined –Nil

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2013-14

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 & 2013-14	Groundnut (K)	GPBD-5	-	Varietal Evaluation	Popularization of groundnut variety GPBD-5 with mechanization	2.0	2.0	01	09	10	-
2.		Irrigated	Rabi & 2013-14	Groundnut (R/S)	GPBD-5	-	Varietal Evaluation	Popularization of groundnut variety GPBD-5 with mechanization	2.0	2.0	02	08	10	-
3.		Rainfed	Kharif & 2013-14	Sunflower (K)	-	SF64S99	ICM	ICM in rain fed Sunflower	4.0	4.0	02	08	10	-
4.		Irrigated	Rabi & 2013-14	Sunflower (R)	-	ICI-18	ICM	ICM in irrigated Sunflower	10.0	10.0	6	24	30	-
5.		Rainfed	Kharif & 2013-14	Soybean	Dsb-21	-	Varietal Evaluation	Popularization of Soybean variety Dsb-21	4.0	4.0	04	06	10	-
6.		Rainfed	Kharif & 2013-14	Castor	-	DCH-177 & DCH-519	Varietal Evaluation	Introduction of new Castor hybrids (DCH-177 & DCH-519)	2.0	2.0	0	05	05	-
7.	Pulses	Rainfed	Kharif & 2013-14	Pigeonpea	BSMR-736	-	Cropping System	Transplanting technique in Pigeonpea	2.0	2.0	0	05	05	-
8.		Irrigated	Kharif & 2013-14	Chickpea	BGD-103	-	Varietal Evaluation	Popularization of Chickpea variety BGD-103	4.8	4.8	02	10	12	-
9.	Cereals	Rainfed	Kharif & 2013-14	Maize	-	Hema – NAH-1137	Varietal Evaluation	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	6.0	6.0	01	14	15	-
10.		Irrigated	Kharif & 2013-14	Paddy	MAS-946-1	-	Cropping System	Aerobic rice cultivation	2.0	2.0	03	02	05	-
11.	Millets	Rainfed	2013-14	Little millet	Sukshema	-	Varietal Evaluation	Popularization of Sukshema variety of Little millet	10	10	07	18	25	-
12.		Rainfed	Kharif & 2013-14	Foxtail millet	HMT-100-1	-	Varietal Evaluation	Popularization of HMT-100-1 variety of Foxtail millet	10	10	03	22	25	-
13.	Vegetables	Rainfed	Kharif & 2013-14	Onion	Bellary Red	-	IDM	Purple blotch disease management	05	05	0	10	10	-
14.	Fruit	Irrigated	Kharif & 2013-14	Banana	-	G 9	ICM	ICM in Banana	05	05	01	09	10	--

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	
15.	Commercial	Irrigated	Kharif & 2013-14	Sugarcane	CO-86032	-	Weed Management	Integrated weed management in Sugarcane	10.0	10.0	8	17	25	-
16.		Irrigated	Kharif & 2013-14	Sugarcane	CO-86032	-	INM	Soil fertility and trash management in ratoon sugarcane	4.0	4.0	2	8	10	-
17.	Fiber	Rainfed	Kharif & 2013-14	Cotton	-	Bt-Cotton	ICM	ICM in Bt-Cotton	05	05	02	08	10	-
18.	Dairy	-	Kharif & 2013-14	Cattle	Cross bred	-	IDM	Management of ecto parasite infestation in cattle	20	20	02	18	20	-
19.	Implements	Irrigated	Rabi & 2013-14	Sugarcane	-	-	Planting Material production	Single eye bud cutter in Sugarcane	05	05	-	05	05	-
	Others													
20.	Dry land farming	Rainfed	Kharif & 2013-14	Foxtail	HMT-100-1	-	INM	Soil fertility management in dry land situations	4.0	4.0	8	2	10	-
21.	IFS	Irrigated	2013-14	IFS	-	-	IFS	Establishment of IFS models in operational villages	-	2.4	-	06	06	-
22.	Packaging	Rainfed	2013-14	Millets	Sukashema HMT-100-1	-	IGA	Innovative activity like market led extension approaches, branding farmers associations etc.	-	-	-	-	-	Yet to be implemented

5.A. 1. Soil fertility status of FLDs plots during 2013-14

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
1.	Oilseeds	Rainfed	Kharif & 2013-14	Groundnut (K)	GPBD-5	-	Varietal Evaluation	Popularization of GPBD-5 with mechanization	Kharif & 2013-14	143	12.0	275	Jowar/ Cotton
2.		Irrigated	Rabi & 2013-14	Groundnut (R/S)	Dh-86	-	Varietal Evaluation	Popularization of Dh-86 with mechanization	Rabi & 2013-14	-	-	-	Maize
3.		Rainfed	Kharif & 2013-14	Sunflower (K)	-	SF64S99	ICM	ICM in rain fed Sunflower	Kharif & 2013-14	265	16.3	300	Maize
4.		Irrigated	Rabi & 2013-14	Sunflower (R)	-	ICI-18	ICM	ICM in irrigated Sunflower	Rabi & 2013-14	116	6.2	146	Maize
5.		Rainfed	Kharif & 2013-14	Soybean	Dsb-21	-	Varietal Evaluation	Popularization of Soybean variety Dsb-21	Kharif & 2013-14	215	19.5	209.3	Jowar
6.		Rainfed	Kharif & 2013-14	Castor	-	DCH-177 & DCH-519	Varietal Evaluation	Introduction of new Castor hybrids (DCH-177 & DCH-519)	Kharif & 2013-14	-	-	-	Maize
7.	Pulses	Rainfed	Kharif & 2013-14	Pigeonpea	BSMR-736	-	Cropping System	Transplanting technique in Pigeonpea	Kharif & 2013-14	-	-	-	Jowar
8.		Irrigated	Kharif & 2013-14	Chickpea	BGD-103	-	Varietal Evaluation	Popularization of Chickpea variety BGD-103	Kharif & 2013-14	-	-	-	Maize
9.	Cereals	Rainfed	Kharif & 2013-14	Maize	-	Hema – NAH-1137	Varietal Evaluation	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	Kharif & 2013-14	-	-	-	Cotton
10.		Irrigated	Kharif & 2013-14	Paddy	-	MAS-26 MAS-946-1	Cropping system	Aerobic rice cultivation	Kharif & 2013-14	-	-	-	Jowar
11.	Millets	Rainfed	2013-14	Little millet	Sukshema	-	Varietal Evaluation	Popularization of Sukshema variety of Little millet	Kharif & 2013-14	-	-	-	Fallow
12.		Rainfed	Kharif & 2013-14	Foxtail millet	HMT-100-1	-	Varietal Evaluation	Popularization of HMT-100-1 variety of Foxtail millet	Kharif & 2013-14	276	14	290	Fallow
13.	Vegetables	Rainfed	Kharif & 2013-14	Onion	Bellary Red	-	IDM	Purple blotch disease management	Kharif & 2013-14	275	30	312.5	Maize
14.	Fruit	Irrigated	Kharif & 2013-14	Banana	-	G 9	ICM	ICM in Banana	Kharif & 2013-14	283	28.3	325	Banana
15.	Commercial	Irrigated	Kharif & 2013-14	Sugarcane	CO-86032	-	Weed Management	Integrated weed management in Sugarcane	Kharif & 2013-14	-	-	-	Sugarcane

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
16.		Irrigated	Kharif & 2013-14	Sugarcane	CO-86032	-	INM	Soil fertility and trash management in ratoon sugarcane	Kharif & 2013-14	**Black soil (Initial)**			Sugarcane
										242	18.6	240	
										Black soil (After 4 months)			
										300	22.5	270	
										Red soil (Initial)			
										221	16.3	184	
										Red soil (After4 months)			
										275	18.2	160	
17.	**Fibre**	Rainfed	Kharif & 2013-14	Cotton	-	Bt-Cotton	ICM	ICM in Bt-Cotton	Kharif & 2013-14	219	15.7	175	Cotton

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
							H	L	A										
Oilseeds	Popularization of GPBD-5 with mechanization (Kharif)	GPBD-5	-	Rainfed	10	4	28.8	16.3	22.25	16.80	32.40	33800	77875	44075	2.30	29750	52080	22330	1.75
	Popularization of GPBD-5 with mechanization (R/S)	GPBD-5	-	Irrigated	10	04	Under Progress												
	ICM in rain fed Sunflower	-	SF64S99	Rainfed	10	04	11.50	9.25	10.0	9.33	7.18	26500	40000	13750	1.52	24800	37400	12600	1.51

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
							H	L	A										
	ICM in irrigated Sunflower	-	ICI-18	Irrigated	30	10	25.0	20.0	21.0	19.60	7.15	38250	178500	140250	4.67	34000	143600	109600	4.2
	Popularization of Soybean variety Dsb-21	Dsb-21	-	Rainfed	10	3.2	30	16.3	23.0	19.50	18.0	13125	64400	51900	4.90	12310	54600	42110	4.50
	Introduction of new Castor hybrids (DCH-177 & DCH-519)	-	(DCH-177 & DCH-519)	Rainfed	05	02	Vitiated due to Jassid infestation												
Pulses	Transplanting technique in Pigeonpea	BSMR-736	-	Rainfed	06	2.2	10.06	3.44	5.48	3.88	41.24	19417	25622	6205	1.32	15000	17848	2848	1.19
	Popularization of Chickpea variety BGD-103	BGD-103	-	Rainfed	12	5.0	10.50	5.60	8.10	6.75	20.00	12500	25920	13420	2.07	12500	21600	9100	1.73
Cereals	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	-	Hema – NAH-1137	Rainfed	15	06	70.0	45.0	55.0	53.0	3.78	23250	66000	42750	2.84	23250	63600	40350	2.74
	Aerobic rice cultivation	-	MAS-26 MAS-946-1	Irrigated	07	03	30.0	45.0	38.0	-	-	16250	63840	47590	3.92	-	-	-	-
Millets	Popularization of Sukshema variety of Little millet	Sukshema	-	Rainfed	25	10	18	09	13.20	10.50	25.70	11250	33000	21750	2.93	10700	26250	15550	2.45

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
							H	L	A										
	Popularization of HMT-100-1 variety of Foxtail millet	HMT-100-1	-	Rainfed	25	10	21	12	17	13	30.76	11250	25500	14250	2.26	10700	19500	8800	1.80
Vegetables	Purple blotch disease management	Bellary Red	-	Irrigated	10	05	250	180	230	180	28	77765	920000	842235	11.8	74885	720000	694405	9.6
Fruit	ICM in Banana	-	G 9	Irrigated	10	05	420	380	400	360	11.11	128000	440000	325000	3.44	125000	596000	268000	3.17
Commercial	Integrated weed management in Sugarcane	CO-86032	-	Irrigated	25	10	Under progress					50000	Under Progress			48000	Under Progress		
	Soil fertility and trash management in ratoon sugarcane	CO-86032	-	Irrigated	10	0.4	Under progress					50000	Under Progress			45000	Under Progress		
Fibre crops like cotton	ICM in Bt-Cotton	-	Bt-Cotton	Rainfed	10	05	18	16	17	12.8	33.60	34385	76950	42565	2.24	30595	57600	27005	1.90
Others																			
Dry land farming	Soil fertility management in dry land situations	HMT-100-1	-	Rainfed	10	04	2.8 Seed	2.5	2.61	2.5	11.0	6950	9000	2050	1.29	2500	8000	5500	3.20
							62.5 Fodder	50	52.5	50.0	5.0								

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
							H	L	A										
Seedlings	Establishment of IFS models in operational villages			Rainfed	06	2.4													
Vegetable kit																			
Fodder Sorghum		COFS-29	-				600	450	540	-	-	15100	43200	28100	2.86	-	-	-	-
Fodder Cowpea		COFC-8	-				300	150	220	-	-	5628	15200	9572	2.70	-	-	-	-
Lucerne		Lucerne	-				600	200	354	-	-	8200	17700	9500	2.15	-	-	-	-
Fodder grass		Co3	-				800	450	660	-	-	15100	40200	25100	2.66	-	-	-	-
IGA	Innovative activity like market led extension approaches, branding farmers associations etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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**
Sucking pests in cotton (%)	45	0
Purple blotch disease in Onion (%)	65	0
Leaf spot incidence in Banana (%)	45	**0**
Purple seed stain in soybean**(%)**	75	0
Rust incidence in Soybean (%)	75	0
Spodoptera incidence in Soybean (%)	70	0
Leaf spot incidence in Groundnut (Kharif)(%)	60	0
Mirid bug/25 sq in Cotton	60	0
Shoot weevil in cotton (%)	22	5
Flower drop in Cotton (%)	> 90	>90
Thrips incidence in onion (%)	45	05
Seed filling in Sunflower Kharif (%)	90.0	80.0
Head Size in Sunflower Kharif (cm)	18.8	16.2
Seed filling in sunflower Rabi (%)	93.2	85.0
Head Size in Sunflower Rabi(cm)	24.40	21.10
No. of pods/plant in groundnut kharif	46	32

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)				% 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										
Dairy	Management of ecto parasite infestation in cattle	Cross bred	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**
Number of parasites/100 cm before treatment	42	40
Number of parasites/100 cm after treatment	7.5	32
Disease reduction (%)	82	20

5.B.3. Fisheries -Nil

5.B.4. Other enterprises -Nil

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check			Gross cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Single eye bud cutter	2500/-	Single eye bud cutter in Sugarcane	05	08	-	-	-	-	-	-	-	-	-	-	-	-

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
No. of eye buds extracted per hour	60	75
Germination percentage	95%	90%
Qty of cane required per acre	0.5 T	4 T
Eye buds required per acre	5000 (Single bud)	30,000 (two buds)
Health status of seedlings	Good and healthy seedlings	Medium

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

Sl. No.	Activity	No. of activities organised	Number of participants
1.	Field days	05	244
2.	Farmers Training	39	899
3.	Media coverage	00	0
4.	Training for extension functionaries	01	60
5.	Others (Please specify)		
6.	Field visit	72	860
7.	Group meeting	08	250

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
					H	L	A										
Cereals																	
Maize	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	Hema –NAH-1137	15	06	70.0	45.0	55.0	53.0	3.78	23250	66000	42750	2.84	23250	63600	40350	2.74
Paddy	Aerobic rice cultivation	MAS-26 MAS-946-1	07	03	30.0	45.0	38.0	-	-	16250	63840	47590	3.92	-	-	-	-
		Total	**22**	**09**													
Oilseeds																	
Castor	Introduction of new Castor hybrids	DCH-177 & DCH-519	05	02	Vitiated due to Jassid infestation												
Sunflower	ICM in rain fed Sunflower	SF64S99	10	04	11.50	9.25	10.0	9.33	7.18	26500	40000	13750	1.52	24800	37400	12600	1.51
Sunflower	ICM in irrigated Sunflower	ICI-18	30	10	25.0	20.0	21.0	19.60	7.15	38250	178500	140250	4.67	34000	143600	115600	4.40
		Total	**45**	**16**													
Fruit crops																	
Banana	ICM in Banana	G 9	10	05	420	380	400	360	11.11	128000	440000	325000	3.44	125000	596000	268000	3.17
		Total	**10**	**05**													

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		
		M	F	T	M	F	T	M	F	T
Crop Production										
Integrated Crop Management	2	**14**	**0**	**14**	**4**	**0**	**4**	**18**	**0**	**18**
Soil Health and Fertility Management										
Soil fertility management	5	68	40	108	80	0	80	148	40	188
Soil and water testing	3	72	5	77	0	10	10	72	15	87
Livestock Production and Management										
Poultry Management	2	31	0	31	12	2	14	43	2	45
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	11	16	27	7	9	16	18	25	43
Women empowerment	1	3	24	27	0	10	10	3	34	37
Plant Protection										
TOTAL	**20**	**242**	**86**	**328**	**114**	**31**	**145**	**356**	**117**	**473**

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		
		M	F	T	M	F	T	M	F	T
Crop Production										
Weed Management	3	79	0	79	4	0	4	83	0	83
Cropping Systems	2	18	0	18	0	0	0	18	0	18
Integrated Crop Management	3	49	4	53	14	1	15	63	5	68
Soil Health and Fertility Management										
Soil fertility management	17	383	68	451	37	0	37	420	68	488
Integrated nutrient management	2	19	0	19	0	0	0	19	0	19
Nutrient use efficiency	1	30	0	30	0	0	0	30	0	30
Soil and water testing	9	497	11	508	82	0	82	579	11	590
IFS	1	4	0	4	30	0	30	34	0	34
Livestock Production and Management										
Animal Nutrition Management	1	40	3	43	3	0	3	43	3	46
Animal Disease Management	5	121	2	123	35	0	35	156	2	158
Feed and Fodder technology	7	171	6	177	31	5	36	202	11	213
IFS	2	13	2	15	38	0	38	51	2	53
Home Science/Women empowerment										
Household food security by kitchen	2	38	2	40	3	4	7	41	6	47

gardening and nutrition gardening										
Women empowerment	3	0	76	76	0	20	20	0	96	96
Plant Protection										
Integrated Pest Management	7	217	96	313	50	0	50	267	96	363
Integrated Disease Management	8	255	120	375	50	0	50	305	120	425
Bio-control of pests and diseases	1	25	0	25	0	0	0	25	0	25
IFS	1	80	0	80	0	0	0	80	0	80
Production of Inputs at site										
Seed Production	5	38	5	43	80	1	81	118	6	124
TOTAL	**80**	**2077**	**395**	**2472**	**457**	**31**	**488**	**2534**	**426**	**2960**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Seed production	3	18	54	72	34	4	38	52	58	110
TOTAL	**3**	**18**	**54**	**72**	**34**	**4**	**38**	**52**	**58**	**110**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Seed production	1	16	4	20	0	0	0	16	4	20
Planting material production	3	87	0	87	0	0	0	87	0	87
TOTAL	**4**	**103**	**4**	**107**	**0**	**0**	**0**	**103**	**4**	**107**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Integrated Nutrient management	1	60	0	60	6	0	6	66	0	66
Total	**1**	**60**	**0**	**60**	**6**	**0**	**6**	**66**	**0**	**66**

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

7.G. Sponsored training programmes conducted –Nil

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

PART VIII – EXTENSION ACTIVITIES

Extension Programmes

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		M	F	T	M	F	T	M	F	T
Field Day	05	166	33	199	42	3	45	5	3	8
Kisan Mela	05	3470	2018	5488	582	320	902	18	15	33
Kisan Ghosthi	02	44	45	89	8	14	22	9	4	13
Exhibition	03	64	39	127	24	0	24	6	6	12
Film Show	03	45	12	57	08	10	18	2	3	05
Method Demonstrations	07	85	44	129	42	49	91	5	1	6
Farmers Seminar	00	00	00	00	00	00	00	00	00	00
Workshop	06	0	0	0	0	0	0	176	10	186
Group meetings	07	87	11	98	45	02	47	51	5	56
Lectures delivered as resource persons	92	4542	7596	12138	1101	605	1706	404	92	496
Newspaper coverage	25	00	00	00	00	00	00	00	00	00
Radio talks	01	00	00	00	00	00	00	00	00	00
TV talks	03	00	00	00	00	00	00	00	00	00
Popular articles	05	00	00	00	00	00	00	00	00	00
Extension Literature	03	00	00	00	00	00	00	00	00	00
Advisory Services	197	179	5	184	06	03	9	0	0	0
Scientific visit to farmers field	173	168	05	173	0	0	0	0	0	0
Farmers visit to KVK	77	45	0	45	02	0	02	0	0	0
Diagnostic visits	05	05	0	05	0	0	0	0	0	0
Exposure visits	1	0	39	39	0	0	0	0	0	0
Ex-trainees Sammelan	00	00	00	00	00	00	00	00	00	00
Soil health Camp	00	00	00	00	00	00	00	00	00	00
Animal Health Camp	1	0	0	0	0	0	0	20	0	20
Agri mobile clinic	00	00	00	00	00	00	00	00	00	00
Soil test campaigns	00	00	00	00	00	00	00	00	00	00
Farm Science Club Conveners meet	00	00	00	00	00	00	00	00	00	00
Self Help Group Conveners meetings	00	00	00	00	00	00	00	00	00	00
Mahila Mandals Conveners meetings	00	00	00	00	00	00	00	00	01	01
Celebration of important days										
Vanmohostava	01	76	75	151	6	3	9	5	4	9
World Environment	01	07	13	2	6	8	14	0	0	0
World Kitchen garden	01	0	15	15	0	5	5	1	3	4
International Womens day	01	02	35	37	00	00	00	00	00	00
Any Other										
Krishi Utsava	02	480	610	1090	40	30	70	0	0	0
Result demonstration	03	16	20	36	0	15	15	0	0	0
Total	**628**	**9481**	**10615**	**20102**	**1912**	**1067**	**2979**	**702**	**147**	**849**

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	Navani	HMT-100-1	-	1.50	3750.00	25
	Jowar	SSV-74	-	1.50	5850.00	0
	Jowar	Barsi	-	0.8	3120.00	0
	Sunhemp	Local	-	1.20	4800.00	0.
	Savi	Sukshema	-	9.50	31350.00	25
	Maize	SAT	-	8.00	28000.00	05
Oilseeds	Groundnut	GPBD-4	-	12.40	85560.00	10
	Groundnut	GPBD-5	-	5.04	34776.00	40
	Groundnut	K-136	-	1.50	10350.00	0
	Groundnut	G2-52	-	0.75	5175.00	0
	Soybean	Dsb-1	-	0.80	3440.00	0
	Soybean	9305	-	3.00	12900.00	0
Pulses	Blackgram	DU-21	-	0.70	3230.00	10
	Greengram	S-4	-	2.00	17800.00	10
	Horsegram	GPM-6	-	0.80	3200.00	0
	Redgram	TS-3-R	-	1.20	10680.00	0
	Redgram	BSMR-736	-	5.00	44500.00	0
			Total	**55.69**	**308481.00**	**125**

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	7680	-	230	1840.00	1
	Sugarcane	86032	-	365	2920.00	
	Sugarcane	07332	-	225	1800.00	
	Sugarcane	632	-	1130	9040.00	
Fruits	Sapota		DSH-1	500	20000.00	
	Sapota		DSH-2	400	16000.00	
	Sapota		Kalipathi	300	12000.00	
	Guava		Lucknow-49	250	8000.00	
Spices	Curryleaf	Suvasini	-	5000	40000.00	
Forest Species	Tamarind	PKM		250	6750.00	
Others						
Pulses	Pigeonpea	BSMR-736	-	11000	33000.00	06
			Total	**11250**	**95350.00**	

9.C. Production of Bio-Products - Nil

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows	Cross bred HF x Deoni	04	43200.00	02
Calves	Cross bred HF x Deoni	06	12200.00	03
Poultry				
Duals (broiler and layer)	Giriraj	67	15429.00	15
	Total	**77**	**70829.00**	**20**

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

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

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

Date of Start	Periodicity	Number of Copies
2004-05	Quarterly	300

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Chemical management of Grey mildew in cotton	Ramanagowda G, Ashtaputre S. A. & M.S.L. Rao	06
	Screening of promising cotton lines against grey mildew in Cotton	Ramanagowda G, Ashtaputre S. A. & M.S.L. Rao	
	Management of Alternaria Blight in Cotton	Anil G. H, Ashtaputre S. A. & M.S.L. Rao	
	Morphological variability in *Alternaria* spp. Causing leaf blight in cotton	Anil G. H, Ashtaputre S. A. & M.S.L. Rao	
	Genetic Improvement for Oil quality through induced mutagenesis in groundnut (*Arachis hypogaea* L.)	Kavera, H. L. Nadaf & R. R. Hanchinal	
	Near Infrared Reflectance Spectroscopy (NIRS) for Large Scale Screening of Fatty acid profile in Peanut (*Arachis hypogaea* L.)	Kavera H. L. Nadaf & R. R. Hanchinal	
News letters	April- June-2013	KVK Staff	03
	July-September-2013	KVK Staff	
	October-December-2013	KVK Staff	
Popular articles	Akasmikadinda laksha laksha galisida dalimbe belegara	Geeta S Tamgale	04
	Nooraru Gunagala nerale	Geeta S Tamgale, Vinuta Muktamath	
	Oushadiya Gunagal Nerale	Vinuta Muktamath and Geeta Kalakanavar	
	Kaiyagina Bangara	Rajakuar G. R. & D.S.M. Gouda	
Extension literature	Milk and Milk Products	Geeta S Tamgale, Mukartal S. Y., Kavara Biradar, Rajakuar G. R. Ashtaputre S. A.	03
	Cultivation & seed production in Bengalgram	Kavara Biradar, Geeta S Tamgale	
	SSI in Sugarcane	Geeta S Tamgale, Rajakuar G. R., Kavara Biradar, Ashtaputre S. A., Mukartal S. Y., D.S.M.Gouda	
Others	-	-	-
Abstracts papers	Screening of Cotton varieties against Alternaria Blight in Cotton	Anil G. H, Ashtaputre S. A. & M.S.L. Rao	12
	Morphological variability in *Alternaria* spp. Causing leaf blight in cotton	Anil G. H, Ashtaputre S. A. & M.S.L. Rao	
	Study on improvement in fertility fallowing induced oestrus and timed insemination in repeat breeding cows	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Study on effect of GnRH injection at different stages of oestrus cycle on fertility in repeat breeding cows	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Study on special feed pellet supplementation on oestrus induction in dairy animals	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Effect of prostaglandin administration after calving in cows on post partum reproductive performance	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	An on farm testing of feeding urea treated straw to cows during late pregnancy and	Mukartal, S.Y., Arun Karate And Tamgale Geeta	

Item	Title	Authors name	Number
	lactation in a mixed farming system		
	Effect of different levels of sugarcane top silage on milk production of dairy cattle	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Study of occurrence of sub clinical mastitis in cows in different herd sizes and milking methods	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Study of occurrence of sub clinical mastitis in cows in different herd sizes and milking methods"	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Study on prevalence of clinical mastitis and factors affecting it in cows in and around Haveri district	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
	Epidemiological surveillance on effect of housing, hygiene and nutritional status and body condition on per parturient disorders in buffaloes"	Mukartal, S.Y., Arun Karate And Tamgale Geeta	
TOTAL			**28**

10.B. Details of Electronic Media Produced : Nil

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

Broad outline: Seed production in one of the main crops, Groundnut will fetch more income to the farmer. One of the farmer of Hirekerur taluk was provided with GPBD-5 with a purpose of seed production by KVK under participatory mode. This inturn has made the farmer self sustainable through high income from sale of seeds in his village to neighbor farmers.

Title: Sustainable farming through seed production of Groundnut variety GPBD-5

Background:

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 pipe line variety of groundnut for Haveri district. This variety GPBD-5 was tried with the farmer of Masur village Sri. Suresh Dasharath who is a progressive and enthusiastic farmer in adopting new technologies.

Intervention:

- 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)

Impact:

Horizontal spread of the variety GPBD-5 has covered 100 ha during first year itself in Haveri district and gained economic benefited of Rs.5000/- per ha as additional income . So, a total of Rs. 5,00,000/- may expected has income. 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 : Nil

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

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

In-service personnel:
As per indent of line departments

10.G. Field activities

i.	Number of villages adopted	:30
ii.	No. of farm families selected	:200
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

Sl. No.	Name of Equipments	Qty (No's)	Rate	Cost
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 Insert 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
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	12250	12022	Max 390	786300.00
Water Samples	10682	10682	Max 365	534100.00
Plant samples	61	2	2	16300.00
Manure samples	04	2	2	600.00
Total	**22997**	**22708**	**390**	**13,37,300.00**

Details of samples analyzed during the 2013-14 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	3930	3887	Max 312	253200.00
Water Samples	3677	3662	Max 291	183850.00
Plant samples	61	2	2	16300.00
Manure samples	4	2	2	600.00
Total	**7672**	**7553**	**Max 320**	**453950.00**

10.I. Technology Week celebration during 2013-14 :No

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

PART XI. IMPACT

11.A. Impact of KVK activities : Nil

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 Externally Funded Projects / schemes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Role of KVK	Date/ Month of initiation	Funding agency	Amount (Rs.)
Empowerment of SC and ST Household families of Northern Karnataka	Implementation as co-center	April-2013	Karnataka, Govt.	30,000,00/-

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 2013-14

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK
01	**Training programmes**	As resource person	40	0
	Demonstrations	Seed treatment	05	0
		Soil Testing	0	05
		Ovral vaccines to Chicken	0	02
		Paddy transplanting	0	02
		Redgram transplanting	0	05
02	**Extension Programmes**			
	Kisan Mela	As resource person	02	
	Exhibition	-	03	-
03	**Publications**			
	Extension Literature	Hatti mattu govinajola belegala pramuka keeta mattu roggagal nirvahane kramagalu	-	-

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.
1.	Popularization of GPBD-5/GPBD-4 in summer season for seed production	Demonstrations	1,20,000.00	1,20,000.00
2.	Popularization of S-4 variety of Greengram under paddy fallows	Demonstrations	3,000.00	3,000.00
3.	Popularization of DU-1variety of Blackgram under paddy fallows	Demonstrations	3,000.00	3,000.00
4.	Demonstration of Banana special in Banana plantation	Demonstrations	9,000.00	9,000.00
5.	Demonstration of vegetable special on vegetables	Demonstrations	9,000.00	9,000.00
6.	Demonstration of mango special in Mango orchard	Demonstrations	9,000.00	9,000.00
7.	Demonstration of fodder varieties (CO-3, CO-4, Agathi, Hedge Lucerne, Fodder Sorghum (COFS-29))	Demonstrations	10,000.00	10,000.00

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 2013	0	0	0
May 2013	1	110	0
June 2013	4	440	0
July 2013	4	738	0
August 2013	6	1116	0
September 2013	10	11502	0
October 2013	6	7913	0
November 2013	18	21187	0
December 2013	6	8154	0
January 2014	8	13488	0
February 2014	6	10116	0
March 2014	5	6992	0
Total	**74**	**81756**	**0**

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income
Cereals								
Foxtail Millets	20.06.2013	16.09.2013	0.40	HMT-100-1	TL	150 kg	2000.00	3750.00
Maize	12.06.2013	02.10.2013	0.40	South African Tall	TL	800 kg	10000.00	28000.00
Jowar	09.06.2013	01.10.2013	0.40	SSV-74	TL	150 kg	4500.00	5850.00
Jowar	28.10.2013	29.11.2014	0.20	Barsi	TL	60 kg	2000.00	2340.00
Sunhemp	09.07.2013	28.10.2013	0.40	Local	TL	120 kg	3000.00	4800.00
Little millet	04.06.2013	13.09.2013	1.60	Sukshema	TL	950 kg	20000.00	31350.00
Pulses								
Soybean	16.06.2013	17.09.2013	0.20	DSB-1	TL	80 kg	4000.00	4160.00
Soybean	17.06.2013	18.09.2013	0.40	9305	TL	300 kg	9000.00	15600.00
Blackgram	12.06.2013	16.09.2013	0.10	DU-1	TL	70 kg	3200.00	6230.00
Greengram	14.06.2013	01.09.2013	0.20	S-4	TL	200 kg	11000.00	17800.00
Horsgram	25.08.2013	14.12.2013	0.40	GPM-6	TL	80 kg	5000.00	4000.00
Redgram	27.06.2013	19.12.2013	0.40	TS-3R	TL	120 kg	7000.00	10680.00
Redgram	26.06.2013	20.12.2013	0.80	BSMR-736	TL	500 kg	16000.00	44500.00
Oilseeds								
Groundnut	19.06.2013	30.09.2013	0.10	K-136	TL	150 kg	4500.00	9750.00
Groundnut	19.06.2013	30.09.2013	0.05	G2-52	TL	75 kg	3000.00	4875.00
Groundnut	15.06.2013	01.10.2013	0.50	GPBD-4	TL	1240 kg	20000.00	80600.00
Groundnut	10.06.2013	24.09.2013	0.40	GPBD-5	TL	504 kg	15000	32760.00

Seedlings								
Pigeon pea	20.05.2013	20.12.2013	1.00	BSMR-736	TL	11000 Nos.	10000.00	33000.00
Sugarcane	26.12.2013		0.20	SNK-7680		230 nos.	600.00	1840.00
Sugarcane	26.12.2013			Co-86037		365 nos.	900.00	2920.00
Sugarcane	26.12.2013			SNK-07332		225 nos.	800.00	1800.00
Sugarcane	26.12.2013			SNK-632		1130 nos.	2200.00	9040.00

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)	
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income
01	Cow	HF x Deoni cross breed	Milk	26211.05	-	633768.00

13.E. Utilization of hostel facilities Nil

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.	Technologies assessed and Refined	On Going
5.	KMAS details	On Going
6.	Soil Analysis Data Base	On Going
7.	Water Analysis Data Base	On Going
8.	KVK Inventory of Assets	On Going
9.	Extension Programmes	On Going
10.	Resource inventory of the District	Under progress
11.	Farmers Database	Under Progress
12.	KVK Accounts Database	Under progress
13.	Technology Inventory for the District	Under progress
14.	KVK Publication	Under progress

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

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
10,000,00	9,11,000	Adoption of sprinkler irrigation system	-	-	12950	300	15	500000	• Establishment mother plants of sapota, curry leaf, Guava and tamarind verities • Establishment of nursery • Establishment of fodder bank • Maintenance of dairy farm • Maintenance of Horticulture garden (Coconut and tamarind plants) • Maintenance of vermi compost and azolla

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 2013-14 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	52.00	62.00	75.69
2	**Traveling allowances**	1.5	1.75	2.35
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	1.80	1.93
B	POL, repair of vehicles, tractor and equipments	2.00	1.95	2.01
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.60	0.41
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.70	0.60	0.65
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	5.00	5.00	4.54
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.95	0.95	0.84
G	Training of extension functionaries	0.25	0.20	0.15
H	Maintenance of buildings	0.50	0.45	0.44
I	Establishment of Soil, Plant & Water Testing Laboratory	0.00	0.00	0.00
J	Extension activities	0.50	0.50	0.48
K	Farmers Field School	0.30	0.30	0.29
L	Library	0.05	0.05	0.03
TOTAL (A)		**66.75**	**76.15**	**89.81**
B. Non-Recurring Contingencies				
1	**Works**	0.00	0.00	0.00
2	**Equipments including SWTL & Furniture**	0.00	0.00	0.00
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	**Library** (Purchase of assets like books & journals)	0.00	0.00	0.00
TOTAL (B)		0.00	0.00	0.00
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		**66.75**	**76.15**	**89.81**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
ICAR				
April 2011 to March 2012	1.49	6.43	5.07	2.67
April 2012 to March 2013	2.66	8.51	15.23	9.37
April 2013 to March 2014	9.23	19.19	16.74	11.68
Training				
April 2011 to March 2012	1.46	1.03	1.08	1.40
April 2012 to March 2013	0.40	0.64	0.77	0.53
April 2013 to March 2014	0.53	0.40	0.65	0.78

15. Details of HRD activities attended by KVK staff during 2013-14

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. G.R. Rajakumar	SMS (Soil Science)	Enhancing water productivity agriculture sector & allied sectors	Extension Education institute, Hydrabad	02.07.2013 to 05.07.2013
Ms. Rekha K N	Prog. Asst. (Computer)	Structured Query Language (SQL) & Asp.NET C# with Ajax"	STU,UAS, Dharwad	18-31st August,2013
Dr. S. A. Ashtaputre	SMS (Pl.. Pathology)	Development and management of Agricultural programmes through Krishi Community Radio	STU, UAS, Dharwad	18.11.2013 to 21.11.2013
Mrs. Geeta S Tamagale	SMS(Home Science)	Recent Advances in Apparel Manufacturing and designing	Department of Textile & Apparel designing , UAS, Dharwad	26.12.2013 to 15.01.2014
Dr. G.R. Rajakumar	SMS (Soil Science)	Agro forestry based – Sandalwood	IWST, Bangalore	06.01.2014 to 08.01.2014
Ms. Rekha K N	Prog. Asst. (Computer)	Care and Maintenance of Kiosk	DOE,UAS, Dharwad	20.01.2014
Mrs. Saroja B Talawar	Typist	Care and Maintenance of Kiosk	DOE,UAS, Dharwad	20.01.2014
Dr. S.Y. Mukartal	SMS (Animal Science)	Advanced breeding and allied technologies for enhancing livestock productivity	NDRI, Karnal, Haryana ICAR, New Delhi	5th to 25th March, 2014

16. Please include any other important and relevant information which has not been reflected above

Nomination of KVK scientists to RSK by University for technical back upto department & farmers of the area (Ref. No. AO/ಸ.ಶಾ.-3/ 1212C/13-14 dated 12.12.2013)

Sl.No.	Taluka	RSK	Contact Scientist
1.	Hirekerur	Hamsabavi	Dr. Rajakumar G R
2.	Hirekerur	Hirekerur	Dr. S.Y. Mukartal
3.	Hirekerur	Rattihalli	Dr. S. A. Ashtaputre
4.	Savanur	Hattimattur	Mr. M. A. Gaddanakeri
5.	Hangal	Hangal	Mrs. Geeta S. Tamagale
6.	Ranebennur	Medleri	Dr. Kavera Biradar

SUMMARY FOR 2013-14

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Maize	Assessment of yield levels of maize under different soil health conditions	08
Varietal Evaluation	Groundnut	Assessment of Groundnut variety Kadiri – 6 / G-2-52	05
	French bean	Introduction of New variety of French Bean	05
	Onion	Assessment of onion varieties	05
Total			**23**

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 Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo.	Check		Demo.	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Cereals	Varietal Evaluation	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	15	06	55.0	53.0	3.78	-	-	23250	66000	42750	2.84	23250	63600	40350	2.74
Cereals	Cropping System	Aerobic rice cultivation	07	03	38.0	-	-	-	-	16250	63840	47590	3.92	-	-	-	-
Millets	Varietal Evaluation	Popularization of Sukshema variety of Little millet	25	10	13.20	10.50	25.70	-	-	11250	33000	21750	2.93	10700	26250	15550	2.45
Millets	Varietal Evaluation	Popularization of HMT-100-1 variety of Foxtail millet	25	10	17	13	30.76	-	-	11250	25500	14250	2.26	10700	19500	8800	1.80
Oilseeds	Varietal Evaluation	Popularization of GPBD-5 with mechanization (Kharif)	10	4	22.25	16.80	32.40	60 % Reduction of Leaf spot 46 no. of pods/pl	0 % Reduction of Leaf spot 32 no. of pods/pl	33800	77875	44075	2.30	29750	52080	22330	1.75
Oilseeds	Varietal Evaluation	Popularization of GPBD-5 with mechanization (R/S)	10	04	Under Progress												
Oilseeds	ICM	ICM in rain fed Sunflower	10	04	10.0	9.33	7.18	90 % seed filling	80 % seed filling	26500	40000	13750	1.52	24800	37400	12600	1.51

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo.	Check		Demo.	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
								18.8 cm head size	16.2 cm head size								
Oilseeds	ICM	ICM in irrigated Sunflower	30	10	21.0	19.60	7.15	93.2 % seed filling 24.40 cm head size	85.0 % seed filling 21.10 cm head size	38250	178500	140250	4.67	34000	143600	109600	4.20
Oilseeds	Varietal Evaluation	Popularization of Soybean variety Dsb-21	10	3.2	23.0	19.50	18.0	75 % Reduction of PSS 75 % Reduction of Rust 70 % Reduction of spodoptera	0 % Reduction of PSS 0% Reduction of Rust 0 % Reduction of spodoptera	13125	64400	51900	4.90	12310	54600	42110	4.50
Oilseeds	Varietal Evaluation	Introduction of new Castor hybrids (DCH-177 & DCH-519)	05	02	Vitiated due to Jassid infestation												
Pulses	Cropping system	Transplanting technique in Pigeonpea	06	2.2	5.48	3.88	41.24	-	-	19417	25622	6205	1.32	15000	17848	2848	1.19
Pulses	Varietal Evaluation	Popularization of Chickpea variety BGD-103	12	5.0	8.10	6.75	20.00	-	-	12500	25920	13420	2.07	12500	21600	9100	1.73
Vegetables	IDM	Purple blotch disease management	10	05	230	180	28	Thrips (Nos) 10.2	Thrips (Nos) 11.5	77765	920000	842235	11.8	74885	720000	694405	9.6

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo.	Check		Demo.	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Fruit	ICM	ICM in Banana	10	05	400	360	11.11	45 % Reduction of leaf spot	0 % Reduction of leaf spot	128000	440000	325000	3.44	125000	596000	268000	3.17
Fibres like Cotton	ICM	ICM in Bt-Cotton	10	05	17	12.8	33.60	Flower drop <1% Leaf reddening –Nil Shoot weevil (Nos) 1.8	Flower drop <1% Leaf reddening –Nil Shoot weevil (Nos) 2.1	34385	76950	42565	2.24	30595	57600	27005	1.90
Foxtail millet	INM	Soil fertility management in dry land situations	10	04	2.61 Seed 52.5 Fodder	2.5 50.0	11.0 5.0			6950	9000	2050	1.29	2500	8000	5500	3.20
Fodder Sorghum	IFS	Establishment of IFS models in operational villages	05	02	540	-	-			15100	43200	28100	2.86				
Fodder Cowpea					220	-	-			5628	15200	9572	2.70				
Lucerne					354	-	-			8200	17700	9500	2.15				
Fodder grass					660	-	-			15100	40200	25100	2.66				
Packaging	IGA	Innovative activity like market led extension approaches, branding farmers associations etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		**210**	**82.4**													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Dairy	Disease management	Management of ecto parasite infestation in cattle	20	20	-	-	-	82 % disease reduction	20 % disease reduction	-	-	-	-	-	-	-	-
	Total		**20**	**20**													

Fisheries -Nil

Other enterprises -Nil

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit ect.)			
					Demo.	Check									
Single eye bud cutter	Sugarcane	Single eye bud cutter in sugarcane	05	08	-	-	-	-	--	-	-	-	-	-	-

Other enterprises

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demon.	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Maize	Hema –NAH-1137	15	06	5500	5300	3.78	23250	66000	42750	2.84
Rice	MAS-946-1	07	03	3800	-	-	16250	63840	47590	3.92
	Total	**22**	**09**							
Oilseeds										
Castor	DCH-177 & DCH-519	05	02	Vitiated due to Jassid infestation						
Sunflower	SF64S99	10	04	1000	933	7.18	26500	40000	13750	1.52
Sunflower	ICI-18	30	10	2100	1960	7.15	38250	178500	140250	4.67
	Total	**45**	**16**							
Fruit crops										
Banana	G-9	10	05	40000	36000	11.11	128000	440000	325000	3.44
	Total	**10**	**05**							

IV. Training Programme

Training for Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop Production										
Integrated Crop Management	2	14	0	14	4	0	4	18	0	18
Soil and water testing	3	72	5	77	0	10	10	72	15	87
Livestock Production and Management										
Poultry Management	2	31	0	31	12	2	14	43	2	45
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	11	16	27	7	9	16	18	25	43
Women empowerment	1	3	24	27	0	10	10	3	34	37
Production of Inputs at site										
Seed Production	5	43	1	44	11	0	11	54	1	55
TOTAL	**20**	**242**	**86**	**328**	**114**	**31**	**145**	**356**	**117**	**473**

Training for Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop Production										
Weed Management	3	79	0	79	4	0	4	83	0	83
Cropping Systems	2	18	0	18	0	0	0	18	0	18
Integrated Crop Management	3	49	4	53	14	1	15	63	5	68
Soil Health and Fertility Management										
Soil fertility management	17	383	68	451	37	0	37	420	68	488
Integrated nutrient management	2	19	0	19	0	0	0	19	0	19
Nutrient use efficiency	1	30	0	30	0	0	0	30	0	30
Soil and water testing	9	497	11	508	82	0	82	579	11	590
IFS	1	4	0	4	30	0	30	34	0	34
Livestock Production and Management										
Animal Nutrition Management	1	40	3	43	3	0	3	43	3	46
Animal Disease Management	5	121	2	123	35	0	35	156	2	158
Feed and Fodder technology	7	171	6	177	31	5	36	202	11	213
IFS	2	13	2	15	38	0	38	51	2	53
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	38	2	40	3	4	7	41	6	47
Women empowerment	3	0	76	76	0	20	20	0	96	96

Plant Protection										
Integrated Pest Management	7	217	96	313	50	0	50	267	96	363
Integrated Disease Management	8	255	120	375	50	0	50	305	120	425
Bio-control of pests and diseases	1	25	0	25	0	0	0	25	0	25
IFS	1	80	0	80	0	0	0	80	0	80
Production of Inputs at site										
Seed Production	5	38	5	43	80	1	81	118	6	124
TOTAL	**80**	**2077**	**395**	**2472**	**457**	**31**	**488**	**2534**	**426**	**2960**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Seed production	3	18	54	72	34	4	38	52	58	110
TOTAL	**3**	**18**	**54**	**72**	**34**	**4**	**38**	**52**	**58**	**110**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Seed production	1	16	4	20	0	0	0	16	4	20
Planting material production	3	87	0	87	0	0	0	87	0	87
TOTAL	**4**	**103**	**4**	**107**	**0**	**0**	**0**	**103**	**4**	**107**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Integrated Nutrient management	1	60	0	60	6	0	6	66	0	66
Total	**1**	**60**	**0**	**60**	**6**	**0**	**6**	**66**	**0**	**66**

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

Sponsored training programmes - Nil

Details of Vocational Training Programmes carried out for rural youth -Nil

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	197	193	0	193
Diagnostic visits	05	05	00	05
Field Day	05	244	8	252
Group discussions	07	145	56	201
Kisan Ghosthi	02	111	13	124
Film Show	03	75	05	80
Self -help groups	00	00	00	00
Kisan Mela	05	6390	33	6423
Exhibition	03	151	12	163
Scientists' visit to farmers field	173	173	0	173
Plant/animal health camps	01	0	0	0
Farm Science Club	00	00	00	00
Ex-trainees Sammelan	00	00	00	00
Farmers' seminar/workshop	00	00	00	00
Method Demonstrations	07	220	6	190
Celebration of important days	04	2190	13	2203
Special day celebration	00	00	00	00
Exposure visits	01	39	00	39
Others (pl.specify)	00	00	00	00
Total	413	9898	146	10046

Details of other extension programmes

Particulars	Number
Electronic Media	00
Extension Literature	03
News Letter	03
News paper coverage	25
Technical Articles	00
Technical Bulletins	00
Technical Reports	00
Radio Talks	01
TV Talks	03
Animal health amps (Number of animals treated)	00
Others (pl.specify)	00
Total	**35**

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	Navani	HMT-100-1	1.50	3750.00	25
Cereals	Jowar	SSV-74	1.50	5850.00	0
Cereals	Jowar	Barsi	0.8	3120.00	0
Cereals	Sunhemp	Local	1.20	4800.00	0
Cereals	Savi	Sukshema	9.50	31350.00	25
Cereals	Maize	SAT	8.00	28000.00	05
Oilseeds	Groundnut	GPBD-4	12.40	85560.00	10
Oilseeds	Groundnut	GPBD-5	5.04	34776.00	40
Oilseeds	Groundnut	K-136	1.50	10350.00	0
Oilseeds	Groundnut	G-152	0.75	5175.00	0
Oilseeds	Soybean	Dsb-1	0.80	3440.00	0
Oilseeds	Soybean	9305	3.00	12900.00	0
Pulses	Blackgram	DU-21	0.70	3230.00	10
Pulses	Greengram	S-4	2.00	17800.00	10
Pulses	Horsegram	GPM-6	0.80	3200.00	0
Pulses	Redgram	TS-3-R	1.20	10680.00	0
Pulses	Redgram	BSMR-736	5.00	44500.00	0
		Total	**55.69**	**308481.00**	

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety	Number	Value (Rs.)	Number of farmers
Commercial	Sugarcane	7680	230	1840.00	01
	Sugarcane	86032	365	2920.00	
	Sugarcane	07332	225	1800.00	
	Sugarcane	632	1130	9040.00	
Spices	Curry leaf	Suvasini	5000	40000.00	
Forest Species	Tamarind	PKM	250	6750.00	
Others					
Pulses	Pigeonpea	BSMR-736	11000	33000.00	05
		Total	**12950**	**95350.00**	

Production of Bio-Products -Nil

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	Cross bred HF x Deoni	04	43200.00	02
Calves	Cross bred HF x Deoni	06	12200.00	03
Poultry				
Duals (broiler and layer)	Giriraj	67	15429.00	15
	Total	**77**	**70829.00**	**20**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2013-14

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	3930	3887	Max 312	253200.00
Water	3677	3662	Max 291	183850.00
Plant	61	2	2	16300.00
Manure	4	2	2	600.00
Total	**7672**	**7553**	**Max 320**	**453950.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
01

IX. NEWSLETTER

Number of issues of newsletter published
03

X. RESEARCH PAPER PUBLISHED

Number of research paper published
06

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.)**
0	0	12950	300	15

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