

UNIVERSITY OF AGRICULTURAL SCIENCES
DHARWAD



REPORT
on
QUINQUENNIAL REVIEW TEAM IN
RESPECT OF
KRISHI VIGYAN KENDRAS
(2005-06 to 2009-10)



SUBMITTED
to
ZONAL Project Directorate
Zone VIII, ICAR
MRS HA farm Post,
Hebbal, Bangalore

SUBMITTED
by
KRISHI VIGYAN KENDRA
HANUMANAMATTI – 581 135
RANEBENNUR (Tq.), HAVERI (Dt.)
KARNATAKA

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PROGRESS REPORT

(2005 - 06 to 2009-10)

1. Details on Krishi Vigyan Kendra

Name of the District and State	Location/address	Phone No.	Fax No.	e-mail ID
Haveri, Karnataka	Hanumanamatti Ranebennur Taluk	08373-253524	08373-253524	kvk_haveri@rediffmail.com

2. Details on Programme Coordinator

Name	Address	Phone No.	e-mail ID
Mr. D. S. Mallikarjunappa Gowda	Krishi Vigyan Kendra Hanumanamatti Ranebennur Taluk Haveri District, Karnataka	9448495338	dsmgouda@rediffmail.com

3. Details on sanction of KVK

ICAR sanction order number	Date
-	15.12.1976

4. Details on the Host institute

Name	Location/address	Phone No.	Fax No.	e-mail ID
University of Agricultural Sciences	Dharwad	0836-2448618 0836-2448612	0836-2748199	deuasd@rediffmail.com

5. Details on Infrastructural facilities

(a) Land and its utilization

(i) Total land with KVK 20 ha.

ii) Land utilization pattern in KVK (as on 2009-10)

Particulars	Area in ha
Buildings	2.20
Demonstration units	-
Seed production	17.10
Production of planting materials/seedlings of fruit/vegetable/ tree/etc.	0.10
Cultivable land not in use	0
Barren and wasteland	0
Any other	0
Total (ha)	20.0

(iii) Demonstration units established in KVK farm - Nil

(b) Building infrastructure

(i) Buildings

Name	Year of completion	Under construction	Condition of building, if completed	Source of fund
Administrative building	1999	-	Good	ICAR
Farmers hostel	2004	-	Good	ICAR
Staff quarters	2007	-	Good	ICAR
Godown	-	-	-	-
Threshing floor	-	-	-	-
Fencing	-	-	-	-
Rain water harvesting	2009	-	Good	ICAR

(ii) Laboratories

Name	Year of establishment	Under establishment	Condition of lab, if completed	Source of fund
SWTL	2005	-	Good	ICAR

(iii) Utilization of training hostel

Total capacity of hostel 30 persons

Category of people	Occupancy (days)					Reasons for non-utilization
	2005-06	2006-07	2007-08	2008-09	2009-10	
Farmers	52	07	35	14	04	-
Officials	00	00	00	00	20	-
Total	52	07	35	14	24	-

(iv) Utilization of staff quarters

Staff quarters	Occupancy					Reasons for non occupation
	2005-06	2006-07	2007-08	2008-09	2009-10	
1	-	-	-	Occupied	Occupied	-
2	-	-	-	Occupied	Occupied	-
3	-	-	-	Occupied	Occupied	-
4	-	-	-	Occupied	Occupied	-
5	-	-	-	Occupied	Occupied	-
6	-	-	-	Occupied	Occupied	-

(c) Equipments

Name of equipment	Year of purchase	Cost of equipment (Rs)	Source of fund	Present working condition
Fax machine	2004	24,900	ICAR	Good
Xerox machine	2004	52,000	ICAR	Good
Spectrophotometer	2005	40,050	ICAR	Good
Flame photometer	2005	32,040	ICAR	Good
pH meter	2005	8,900	ICAR	Good
Conductivity bridge	2005	9,790	ICAR	Good
Physical balance	2005	10,890	ICAR	Good
Chemical balance	2005	57,000	ICAR	Good
Water distillation still	2005	62,444	ICAR	Good
Kjeldahl digestion and distillation (2 sets)	2005	1,42,844	ICAR	Good
Shaker	2005	47,025	ICAR	Good
Refrigerator	2005	12,285	ICAR	Good
Oven	2005	17,228	ICAR	Good
Hot plate	2005	3,046	ICAR	Good
Grinder	2005	15,635	ICAR	Good
HP Computer with accessories	2006	39,216	ICAR	Good
Multi media projector (LCD)	2006	58,488	RKVY	Good
Power weeder	2008	36,220	ICAR	Good
Mist blower	2008	35,110	ICAR	Good
Toshiba E-Studio Xerox	2008	55,120	RKVY	Good
Laser printer	2008	15043	RKVY	Good
LCD Motorized screen	2008	27,000	RKVY	Good
Toshiba E-Studio Xerox	2008	55,120	RKVY	Good
KIOSK	2008	1,24,520	RKVY	Good
Computer with accessories	2009	300000	ICAR	Good
HP printer				
Scanner				
Server with accessories				

(d) Vehicles

Name of vehicle	Year of purchase	Cost of vehicle (Rs)	Source of fund	Present working condition
(A) Four wheelers				
Tempo trax Judo	2002	4.50	ICAR	Poor
Tractor and Trailer New Holland Ford 3230	2005	5.00	ICAR	Good
(B) Two wheelers				
Motor cycle Bajaj CT-100	2005	0.40	ICAR	Good
Motor cycle Bajaj CT-100	2006	0.40	ICAR	Good

6. Staff in position

(a) Staff as on 31 March, 2010

Sl. No.	Sanctioned post with designation	No. of sanctioned posts	Name of incumbent	Discipline	Pay scale	Date of Joining	Probable date of filling the vacant posts
A	Programme coordinator	01	Dr. M.V. Nagaraja	Ag. Extn. Edu.	12000-16500	01.08.07	-
B	Subject matter specialists (SMSs)	06					
1	SMS		Dr. K.B. Yadahalli	Plant Pathology	12000-16500	03.10.03	-
2	SMS		Dr. B.C. H. Swamy	Ag. Entomology	8000-13500	03.03.06	-
3	SMS		Dr. T.M. Soumya	Agronomy	8000-13500	05.12.08	-
4	SMS		Mrs. Geeta Kalakanavar	Home Science	8000-13500	01.07.09	-
5	SMS		Dr. S.Y. Mukartal	Animal Science	8000-13500	06.07.09	-
6	SMS		Mr. V.D. Rathod	Horticulture	8000-13500	01.09.09	-
C	Programme Assistants	03					
1	Programme Assistant (Lab Tech.)/T-4		Mr. M.A. Gaddanakeri	Soli Science	5500-9000	26.02.09	-
2	Programme Assistant (Computer)/ T-4		Ms. Rekha K.N.	Computer Science	5500-9000	12.11.09	-
3	Programme Assistant/ Farm Manager		Ms. Sairabanu Mугanur	Farm Manager	5500-9000	02.07.09	-
D	Administrative staff	02					
1	Assistant		Mr. V.S. Kalakai	Superintendent (General)	10800-25000	07.01.09	-
2	Jr. Steno		Smt. Saroja Talawar	Typist	8000-14800	07.11.09	-
E	Drivers	02					
1	Driver (Vehicle)		Mr. Mahesh L.M.	Driver	5800-10500	12.07.06	-
2	Driver (Tractor)		Mr. P.C. Kunbevin	Driver	5800-10500	07.06.98	-
F	Supporting staff	2					
1	SS Grade		Mr. K.B. Belakeri	Supporting staff	5200-8200	02.11.98	-
2	SS Grade		Mr. C. V. Nelogal	Supporting staff	5200-8200	01.07.02	-
	Total	16					

(b) Change of staff during 2005-06 to 2009-2010

Name of incumbent	Designation	Discipline	Date of joining	Date of leaving	Years/ Months Served	Give reasons for leaving KVK
Mr.D.S.Mallikarjunappa Gowda	Progamme Co-ordinator	Soil & Water Cons. Engg	16.10.1994	31.07.2007	12 years 9 months	Transfer
Dr. S. V. Halakatti	Assistant Prof.	Agricultural Extension	06-10-1995	19.08.2006	10 years 10 months	Transfer
Dr. S.M. Hiremath	SMS(Horticulture)	Horticulture	09.07.2002	01.09.2009	7 years 2 months	Transfer
Dr. Sukanya T. S	SMS	Agronomy	23.01.2006	07.03.2007	1 years 2 months	Transfer
Mr. A.S.Banakar	Farm Manager	Farm Manager	02.11.1998	31.08.2004	05 years 9 months	Transfer
Smt. Vidyavathi, K.B.	Farm manager	Farm manager	14.11.2008	31.03.2009	4 months	Transfer
Mr. A. B. Banakar	Suptd.(Account)	Accounts	1.07.2003	11.09.2006	3 years 2 months	Transfer
Mr. Kallappa T. Beldar	Typist	Typist	10.04.2003	31.12.2007	4 years 8 months	Transfer
Mr. B.Ramesh	Driver (LV)	Driver	30.05.1995	20.01.2006	10 years 6 months	Transfer

7. Budget performance

Sl. No.	Particulars	Budget Sanctioned (S) and Expenditure (E) (Rs. in lakh)											
		2005-06		2006-07		2007-08		2008-09		2009-10		Total	
		S	E	S	E	S	E	S	E	S	E	S	E
A	Recurring												
1	Pay & Allowances	22.00	22.00	24.00	24.00	27.00	21.88	29.00	29.00	32.50	33.84	134.50	130.72
2	Traveling allowances	1.00	1.00	0.75	0.75	1.00	1.00	1.00	1.00	0.90	0.90	4.65	4.65
3	Contingencies												
a	Stationery etc	1.50	1.50	0.70	0.70	1.86	1.76	1.75	1.62	0.90	0.90	6.71	6.48
b	POL	1.00	0.97	0.45	0.45	0.96	0.95	0.90	0.90	0.65	0.65	3.96	3.92
c	Meals/refreshments etc	0.75	0.37	0.25	0.25	0.78	0.35	0.75	0.22	0.60	0.58	3.13	1.77
d	Training materials etc	0.40	0.36	0.10	0.10	0.72	0.71	0.75	0.50	0.40	0.35	2.37	2.02
e	FLDs	0.50	0.36	0.30	0.26	0.75	0.61	0.95	0.53	1.09	0.56	3.59	2.32
f	OFTs	0.30	0.23	0.15	0.13	0.36	0.25	0.30	0.13	0.61	0.20	1.72	0.94
g	Training of extension personnel	0.25	0.00	0.05	0.03	0.24	0.18	0.10	0.00	0.10	0.00	0.74	0.21
h	Maintenance of buildings	0.20	0.00	0.00	0.00	0.24	0.23	0.20	0.19	0.15	0.15	0.79	0.57
i	Extension activities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
j	FFS	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.24	0.00	0.00	0.25	0.24
k	Library	0.10	0.01	0.00	0.00	0.09	0.00	0.05	0.01	0.10	0.04	0.34	0.06
l	SWPTL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	28.00	26.80	26.75	26.67	34.00	27.92	36.00	34.34	38.00	38.17	162.75	153.90
B	Non-recurring												
1	Civil works	16.53	3.30	42.98	42.98	0.00	0.00	0.00	0.00	0.00	0.00	59.51	46.28
2	Equipment/implements	2.00	2.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	3.00
3	Vehicle	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40
4	Library	0.10	0.09	0.10	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
5	SWPTL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	19.03	5.79	44.08	44.07	0.00	0.00	0.00	0.00	0.00	0.00	63.11	49.86
C	Revolving fund	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
	Grand Total	48.03	33.59	70.83	70.74	34.00	27.92	36.00	34.34	38.00	38.17	226.86	204.76

8. Major activities undertaken

(a) Thrust areas

Crop / Enterprise	Major problem of the district	Major thrust areas emphasized for solving the problems
Maize	Sole cropping	Cropping system
Groundnut	Micronutrient deficiency	Integrated nutrient management
Sunflower	Powdery mildew	Integrated management of powdery mildew disease
Cotton	Boll dropping and leaf reddening	Integrated crop management
Cotton	Mirid bug	Integrated management of mirid bug
Chilli	Wilt complex	Integrated management of wilt complex
Onion	Thrips	Integrated management of thrips
Brinjal	Shoot and fruit borer	Integrated management of shoot and fruit borer
Cabbage	Black rot	Integrated management of black rot
Dairy	Scarcity of fodder	Management of feed and fodder
Dairy	Mastitis	Disease management
Dairy	Infertility	Nutrition management
Sheep and Goat	Infestation of ecto parasites	Disease management
Drudger reduction	Drudgery prone activities	Drudgery reducing technologies
IG activities	Poor family income	IG activities

(b) Details of targets and achievements

Name of activity	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	Achievements
OFT												
(i)No. of technologies	05	05	06	06	06	05	04	03	08	07	29	26
(ii) No. of farmers	15	15	18	18	23	15	62	12	50	50	168	110
FLD												
(i)No. of technologies	26	26	19	19	26	19	28	19	21	20	112	103
(ii) No. of farmers	276	276	263	263	512	381	411	316	400	316	1862	1552
TRAINING												
(i)No. of courses	150	45	146	159	200	149	150	129	150	159	796	612
(ii) No. of participants	3500	1166	4628	5592	5000	5240	4500	4192	2000	5674	19628	21864
EXTENSION ACTIVITIES												
(i)No. of programmes	300	220	400	369	400	355	400	357	3000	1746	4500	3047
(ii) No. of participants	1500	1280	2400	2100	1500	950	20000	19251	14000	10688	39400	34269
Seed production	50	25.60	100	81.75	70	150	10	9.9	60	18.5	290	285.75
Planting material production	1500	1400	1000	893	1500	1512	1300	1250	10000	1722	15300	6777
Live stock strains production	00	00	00	00	00	00	00	00	00	00	00	00
Bio products production	4.00	3.76	00	00	00	00	00	00	1.50	2.00	5.50	5.76

9. Major accomplishments and impact as per the activities undertaken year-wise

(a) Status of institutional training (2005-06 to 2009-10)

Item	How KVK has done?
A. Planning	
i. Scheduling of training	Based on the <ul style="list-style-type: none"> ➤ OFT and FLD ➤ Major problems of the district ➤ Need of the farmer
- Job analysis of participants	-
- Trainees' knowledge analysis	<ul style="list-style-type: none"> ➤ Use of questionnaire ➤ Group discussion ➤ Pre and post evaluation exercises
- Training needs assessment	Based on the <ul style="list-style-type: none"> ➤ Problems of the district ➤ Felt needs of the farmers
B. Preparation	
1. Organization of content (course content and syllabus)	Prepared in local language with technical know how
2. Lesson plan	Prepared in accordance with subject
C. Implementation of training	
I. Conduct of training (methodology followed)	<ul style="list-style-type: none"> ➤ Presentations ➤ Learning by doing ➤ Method demonstration and group discussion
i. Mid-review (modification of training schedule based on needs of participants)	Subject interest of the farmer
D. Training evaluation	
i. Job improvement plan	Based on the feedback from the participants
ii. Review and revision of training based on post training evaluation	By conducting post evaluation exercises
iii. Monitoring and evaluation (post training contact and usefulness of training)	Follow up studies

(b) Details of training programmes conducted**ON-CAMPUS****(i) Training programmes conducted for extension functionaries**

Discipline	Training programmes for extension personnel											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
KVK Scientists	00	00	00	00	01	26	01	28	00	00	02	54
Crop production	00	00	00	00	00	00	00	00	00	00	00	00
Plant protection	00	00	00	00	00	00	00	00	00	00	00	00
Horticulture	00	00	00	00	00	00	00	00	00	00	00	00
Livestock	00	00	02	74	00	00	00	00	00	00	02	74
Home science	00	00	00	00	00	00	00	00	01	32	01	32
Agriculture engineering	00	00	00	00	00	00	00	00	00	00	00	00
Total	00	00	02	74	01	26	01	28	01	32	05	160

(ii) Training programmes conducted for farmers/farm women

Discipline	Training programmes for farmers											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
KVK Scientists	00	00	00	00	00	00	00	00	01	87	01	87
Crop production	02	22	05	101	00	00	04	80	09	138	20	341
Plant protection	04	33	14	263	27	484	19	486	18	333	82	1599
Horticulture	03	46	07	195	06	87	09	126	11	162	36	616
Soil Science	00	00	01	10	00	00	00	00	02	43	03	53
Livestock	00	00	03	52	07	115	04	65	11	218	25	450
Home science	03	59	01	07	00	00	00	00	09	238	13	304
Ag. Extension	03	36	02	37	10	202	02	42	01	24	18	341
Agriculture engineering	00	00	01	10	01	14	00	00	00	00	02	24
Total	15	196	34	675	51	902	38	799	62	1243	200	3815

OFF-CAMPUS

(i) Training programmes conducted for extension functionaries

Discipline	Training programmes for extension personnel											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
Crop production	01	34	00	00	00	00	00	00	02	150	03	184
Plant Protection	00	00	05	181	00	00	00	00	00	00	05	181
Horticulture	02	65	03	61	01	40	00	00	01	65	07	231
Livestock	00	00	01	17	00	00	00	00	01	65	02	82
Home science	00	00	00	00	00	00	00	00	01	65	01	65
Agriculture engineering	00	00	00	00	00	00	00	00	00	00	00	00
Total	03	99	09	259	01	40	00	00	05	345	18	743

(ii). Training programmes conducted for farmers/farm women

Discipline	Training programmes for farmers											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
Crop production	03	122	13	425	00	00	02	65	11	428	29	1040
Plant Protection	12	386	33	1322	34	1601	32	1623	37	1802	148	6734
Horticulture	00	00	26	917	23	887	24	785	11	382	84	2971
Soil Science	00	00	04	84	00	00	00	00	02	65	06	149
Livestock	00	00	07	159	11	485	12	321	11	440	41	1405
Home science	00	00	05	109	00	00	00	00	18	909	23	1018
Ag. Extension	06	177	06	208	10	586	10	350	00	00	32	1321
Agriculture engineering	00	00	00	00	01	52	00	00	00	00	01	52
Total	21	685	94	3224	79	3611	80	3144	90	4026	364	14690

BOTH ON AND OFF-CAMPUS (TOTAL)

(i) Training programmes conducted for extension functionaries

Discipline	Training programmes for extension personnel											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
KVK Scientists	00	00	00	00	01	26	01	26	00	00	02	52
Crop production	01	34	00	00	00	00	00	00	02	150	03	184
Plant Protection	00	00	05	181	00	00	00	00	00	00	05	181
Horticulture	02	65	03	61	01	40	00	00	01	65	07	231
Livestock	00	00	03	91	00	00	00	00	01	65	04	156
Home science	00	00	00	00	00	00	00	00	02	97	02	97
Total	03	99	11	333	02	66	01	26	06	377	23	901

(ii). Training programmes conducted for farmers/farm women

Discipline	Training programmes for farmers											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
KVK Scientists	00	00	00	00	00	00	00	00	01	87	01	87
Crop production	05	114	18	526	00	00	06	145	20	566	49	1381
Plant protection	16	419	47	1585	61	2085	51	2109	55	2135	230	8333
Horticulture	03	46	33	1112	29	974	33	921	22	544	120	3597
Soil Science	00	00	05	94	00	00	00	00	04	108	09	202
Livestock	00	00	10	211	18	600	16	395	22	658	66	1864
Home science	03	59	06	116	00	00	00	00	27	1147	36	1322
Ag. Extension	09	213	08	245	20	788	12	392	01	24	50	1662
Agriculture engineering	00	00	01	10	02	66	00	00	00	00	03	76
Total	36	851	128	3899	130	4513	121	3962	152	5269	564	18524

(iii) Vocational training programmes for rural youth

Discipline	Vocational training programmes for rural youth											
	2005-06		2006-07		2007-08		2008-09		2009-10		Total	
	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants	No.	Participants
Crop production	00	00	04	190	00	00	00	00	00	00	04	190
Plant Protection	00	00	04	190	01	50	00	00	00	00	05	240
Horticulture	02	68	02	149	04	163	00	00	00	00	08	380
Soil Science	00	00	01	49	00	00	00	00	00	00	01	49
Livestock	00	00	01	26	02	90	00	00	00	00	03	116
Home science	00	00	00	00	00	00	00	00	00	00	00	00
Ag. Extension	01	35	00	00	00	00	00	00	00	00	01	35
Agriculture engineering	00	00	00	00	00	00	00	00	00	00	00	00
Agro-forestry	00	00	00	00	00	00	00	00	00	00	00	00
Total	03	103	12	604	07	303	00	00	00	00	22	1010

(iv) Sponsored training programmes conducted

Year	Course title	No. of courses	No. of participants	Fund (Rs)	Sponsoring agency
2005-06	Integrated Horticulture	02	81	16200.00	KSDH, haveri
2005-06	Vermicomposting	01	22	7920.00	CEDOK, Hubli
2007-08	Organic farming in horticulture Crops	01	90	60000.00	KSDH, Haveri
2007-08	ICM in Chili	01	61	9000.00	Spice Board, Hubli
2007-08	Watershed management	08	223	126000.00	District watershed department, Haveri
2008-09	Watershed management	03	79	29262.00	District watershed department, Haveri
2008-09	Grama Totagarike	03	99	5000.00	KSDH, Haveri
2008-09	EDP in Agriculture	03	23	10000.00	CEDOK, Hubli
	Total	31	1444	263382.00	

(c) Frontline demonstrations

(i) Frontline demonstrations in *Kharif* season crops (condition : rainfed/irrigated)

Year	Crop category	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2005-06	Oil seed	Groundnut (GPBD-4)	13	10	23.4	18.5	26.5	11670	35100	23430	2.0	10600	27750	17150	1.60
2005-06	Oil seed	Soybean (JS-335)	25	10	15.83	12.20	29.75	6708	19787	13079	1.95	5750	15250	9500	1.65
2005-06	Oil seed	Sunflower (KBSH-1)	12	05	7.75	6.60	14.84	5114	12400	7286	1.42	5058	10560	5502	1.08
2005-06	Pulses	Redgram (Asha)	25	10	8.90	7.05	26.24	5718	16020	10302	1.81	4550	12690	8140	1.74
2005-06	Pulses	Greengram (S-4)	10	05	2.57	2.00	28.5	1861	4497.50	2636.50	1.41	3500	1550	1950	1.25
2005-06	Pulses	Blackgram (TAU-1)	13	05	5.1	3.95	29.11	3215	9125	5909	1.86	2854	7107	4253	1.54
2005-06	Millets	Foxtail millet (HMT-100-1)	13	9.00	17.83	14.20	25.50	2184	9806	6606	2.00	1850	7810	5010	1.78
2005-06	Millets	Finger millet (GPU-28)	03	2.40	20.50	16.80	22	3925	11275	7350	1.87	3600	9240	5640	1.56
2005-06	Millets	Little millet (Suksema)	07	5.60	16.10	13.30	21	3865	13685	9820	2.5	3660	11305	7645	2.0
2005-06	Flower	Aster (Phule purple & Kamini)	08	01	4.95	3.8	30.26	29668	148500	118831	4.00	28900	114000	85100	2.9
2005-06	Vegetable	Chilli (HCH-9646)	10	02	9.56	7.10	34.65	24520	76480	51960	2.11	24000	56800	32800	1.36
2005-06	Spice	Garlic	10	02	5.45	4.00	36.00	23440	98100	74660	3.1	22050	72000	49950	2.26
2005-06	Vegetable	Tomato (DMT-1)	05	02	12.30	8.90	38.20	16815	61500	44685	2.66	16030	44500	28470	1.78
2005-06	Vegetable	Brinjal (Malapur)	05	02	21.40	16.50	29.36	13810	64200	50390	3.64	12800	49500	36700	2.86
2005-06	Flower	Chrysanthemum (Indira and Chandrika)	08	03	10.15	7.7	31.80	60212	253750	193537	3.21	57250	192500	135250	2.36
2005-06	Vegetable	Ginger (Wyanad)	08	1.6	7.8	6.4	21.88	16491	50700	30959	2.07	15600	41600	28300	1.95
2005-06	Spice	Turmeric (Raja Puri)	08	1.6	4.2	2.3	45.23	19450	92400	72994	3.75	12250	50600	38350	3.13
2005-06	Vegetable	Cabbage	05	2.5	16.36	12.40	31.93	17482	65440	47958	2.74	16660	49600	33000	1.99
2005-06	Vegetable	Frenchbean (Arka Komal)	10	5	4.87	3.80	28.15	10713	31655	20942	1.95	10300	24700	14480	1.39
2005-06	Spice	Onion (Arka Kalyan)	10	02	20.90	15.80	32.20	18885	83600	64715	3.42	16900	63200	49700	2.73
2005-06	Cotton	Cotton (DHH-11)	10	04	13.74	10.32	24.89	6055	27480	21425	4.99	7085	20640	3555	3.21

Year	Crop category	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2006-07	Pulses	Blackgram (TAU-1)	10	10	6.0	4.5	33	3094	18000	14906	4.8	2670	13500	10830	4.0
2006-07	Pulses	Greengram (S-4)	25	10	3.1	2.3	34	2681	8525	5844	2.2	2250	6325	4075	1.8
2006-07	Oil seed	Groundnut (TGLPS-3)	10	10	16.3	13.5	21	11846	10440	24014	2.0	35860	29700	19260	1.8
2006-07	Pulses	Redgram (Asha)	21	10	10.5	8.00	31.25	6710	18900	12190	1.82	5425	14400	8975	1.65
2006-07	Oil seed	Sunflower (KBSH-1)	12	10	12.90	9.8	32	8037	24510	16473	2.0	18620	7070	11550	1.6
2006-07	Oil seed	Sesamum (DS-1)	13	05	2.50	1.90	31.5	3161	11250	8089	2.6	8550	2725	5825	2.1
2006-07	Oil seed	Soybean (JS-335)	25	10	17.00	13.50	26	6446	22950	16504	2.5	5845	18225	12380	2.1
2006-07	Spice	Onion (Arka Kalyan)	10	05	15.6	12.4	25.80	19159	62400	43241	2.25	17400	49600	32200	1.85
2006-07	Spice	Garlic	10	02	5.30	3.70	43.24	23440	98100	74660	3.1	32050	72000	49950	2.25
2006-07	Flower	Aster (Kamini)	08	03	4.1	2.5	64	29668	148500	118831	4.00	28900	114000	85100	3.94
2006-07	Flower	Chrysanthemum (Indira, Chandrika)	08	05	10.11	7.5	34.8	60212	253750	193537	3.21	67250	192500	135250	2.86
2006-07	Vegetable	Tomato (DMT-1)	05	01	12.20	9.80	24.48	16815	61500	44685	2.66	26030	44500	28470	1.70
2006-07	Vegetable	Cabbage	10	01	16.05	12.35	29.95	17482	65440	47958	2.74	26660	49600	33000	1.86
2006-07	Cotton	Cotton (MRCH-6918)	25	10	17.93	14.90	20.60%	7029	53790	46761	6.65	7718	44700	36982	5.79
2007-08	Oil seed	Groundnut (GPBD-4)	10	10	17.8	14.00	27	11977	44500	32523	2.71	10410	35000	24590	2.36
2007-08	Oil seed	Sunflower (KBSH-41)	12	05	13.4	10.31	30	6982	33500	26518	3.8	6380	25775	19395	3.0
2007-08	Oil seed	Soybean (JS-335)	25	10	18.6	13.50	38	6995	31899	24904	3.5	6370	23153	16783	2.6
2007-08	Oil seed	Sesamum (DS-9)	12	05	2.60	1.80	30	2780	12090	9310	3.34	2310	8370	6060	2.6
2007-08	Pulses	Redgram (BSMR-736 & Asha)	25	10	12.56	9.23	36.08	8267	25120	16853	2.04	6951	18460	11509	1.66
2007-08	Pulses	Greengram (S-4)	25	10	3.1	2.5	24	2603	5580	2977	1.14	2170	4500	2330	1.07
2007-08	Pulses	Blackgram (DU-1)	25	10	5.7	3.8	50	4121	13688	9567	2.3	3540	9120	5580	1.6
2007-08	Vegetable	Chilli (HCH-9646)	25	10	9.50	7.10	33.80	21396	76000	54604	2.55	24000	56800	32800	1.36
2007-08	Vegetable	Onion (Arka Kalyan)	10	02	19.2	15	28	18972	76800	57828	3.04	16700	60000	43300	2.5

Year	Crop category	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2007-08	Flower	Aster (Kamini)	10	05	5.0	3.95	26.58	29530	150000	120470	4.07	28000	118500	90500	3.2
2007-08	Flower	Chrysanthemum (Indira and Chandrika)	25	10	9.7	7.7	25.94	59794	242500	182706	3.05	57250	192500	135250	2.36
2007-08	Spice	Ginger (Wyanad)	10	05	7.8	6.4	21.88	16491	50700	30959	2.07	15600	41600	28300	1.95
2007-08	Vegetable	Dolicasbean	10	05	6.7	5.2	28.84	10713	43550	32837	3.06	10400	33800	23400	2.25
2007-08	Cotton	Cotton (MRCH-6918)	50	20	18.87	15.64	20.68	16650	49062	32412	2.94	18750	40664	21914	2.17
2007-08	Cereals	Maize (Arjun)	12	05	35.00	28.60	22.37	8313	21000	12687	1.52	7800	17160	9360	1.20
2008-09	Oil seed	Groundnut (GPBD-4)	10	10	11.70	8.9	31.46	6271	29250	22979	4.66	5419	22250	16831	4.10
2008-09	Oil seed	Soybean (JS-335)	25	10	14.50	10.40	20.19	6132	21875	15743	3.56	6004	18200	12196	3.03
2008-09	Oil seed	Sunflower (KBSH-41)	25	10	12.6	10.4	21.15	3299	22680	19381	6.8	3349	18720	15371	5.58
2008-09	Pulses	Redgram (Asha)	25	10	12.4	10.5	18.9	5061	22320	17259	4.41	4577	18900	14623	4.12
2008-09	Pulses	Greengram (S-4)	25	10	5.3	4.3	23.00	2030	10600	8750	4.3	1705	8600	6895	4.0
2008-09	Pulses	Blackgram (DU-1)	25	10	5.2	4.3	21.00	2417	11440	9023	4.7	2156	9460	7304	4.38
2008-09	Millet	Little millet (Sukshema)	25	10	16.1	13.3	21	3865	13685	9820	1:2.5	3,600	2400	7645	2.0
2008-09	Millet	Foxtail millet (HMT 100-1)	25	10	17.8	14.2	25.5	3200	9806	6,606	2.0	2,800	7810	5010	1.8
2008-09	Vegetable	Tomato (DMT-2)	10	4.0	133	107	24.30	16728	66500	49772	2.97	16800	53500	36700	2.18
2008-09	Vegetable	Onion (Arka Kalyan)	05	2.0	185	145	27.59	19305	92500	73195	3.80	18000	72500	54500	3.03
2008-09	Flower	Aster (Kamini)	05	2.0	480	360	33.33	28400	144000	115600	4.07	26800	108000	81200	3.03
2008-09	Flower	Marigold (Orange double)	10	04	120	100	20	29900	72000	42100	1.41	27900	60000	32100	1.5
2008-09	Fruit	Banana (Robusta)	12	05	604	483	25.05	332145	9000	323145	3.50	64000	193200	123200	3.02
2008-09	Spice	Chilli (Byadgi Kaddi)	10	05	750	550	36.36	23000	75000	52000	2.26	20000	55000	35000	1.75
2008-09	Fodder	Sweet Sorghum (SSV-74)	12	05	5	4	25	2500	5000	2500	1:2.0	2200	3800	1500	1.7
2008-09	Cotton	Cotton (R.C.H. 20-Bt)	10	25	17.46	14.40	21.46	16463	34920	18457	2.12	16080	28800	12720	1.79
2009-10	Oil seed	Groundnut (GPBD-4)	10	10	27.0	18.0	52.22	18500	70200	51700	3.80	15000	46800	31800	3.12

(v) Frontline demonstrations on cotton (condition: rainfed/irrigated)

Year	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
				Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2005-06	Cotton (DHH-11)	10	04	13.74	10.32	24.89	6055	27480	21425	4.99	7085	20640	3555	3.21
2005-06	Cotton (DDHC-11)	10	08	6.97	4.90	28.41	5500	13940	8440	2.53	5800	9800	4000	1.69
2006-07	Cotton (MRCH-6918)	25	10	17.93	14.90	20.60%	7029	53790	46761	6.65	7718	44700	36982	5.79
2006-07	Cotton (DDHC-11)	25	10	5.82	4.64	25.48	2630	8148	5518	2.11	2843	6496	3653	2.28
2007-08	Cotton (MRCH-6918)	50	20	18.87	15.64	20.68	16650	49062	32412	2.94	18750	40664	21914	2.17
2007-08	Cotton (DDHC-11)	25	10	5.5	4.3	27.09	2948	8250	5302	2.8	3336	6450	3114	1.93
2008-09	Cotton (R.C.H. 20-Bt)	10	25	17.46	14.40	21.46	16463	34920	18457	2.12	16080	28800	12720	1.79
2009-10	Red gram (BSMR-736)	25	10	12.78	10.3	23.88	9846	45936	36090	4.66	9281	37080	27799	3.99
2009-10	Cotton (Rasi-20Bt)	50	20	14.30	11.61	23.13	11753	45772	34019	3.93	15249	37376	22127	2.46
Total		230	117											

(vi) Frontline demonstrations on crop hybrids (condition: rainfed/irrigated)

Year	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
				Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2005-06	Sunflower (KBSH-1)	12	05	7.75	6.60	14.84	5114	12400	7286	1.42	5058	10560	5502	1.08
2005-06	Chilli (HCH-9646)	10	02	9.56	7.10	34.65	24520	76480	51960	2.11	24000	56800	32800	1.36
2005-06	Tomato (DMT-1)	05	02	12.30	8.90	38.20	16815	61500	44685	2.66	16030	44500	28470	1.78
2005-06	Cabbage	05	2.5	16.36	12.40	31.93	17482	65440	47958	2.74	16660	49600	33000	1.99
2005-06	Cotton (DHH-11)	10	04	13.74	10.32	24.89	6055	27480	21425	4.99	7085	20640	3555	3.21
2005-06	Sunflower (RSFH-1)	12	5	10.85	8.5	27	7898	18988	11090	1.4	6750	14875	8125	1.2
2005-06	Cotton (DDHC-11)	10	08	6.97	4.90	28.41	5500	13940	8440	2.53	5800	9800	4000	1.69

Year	Crop and Variety	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
				Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2006-07	Sunflower (KBSH-1)	12	10	12.90	9.8	32	8037	24510	16473	2.0	18620	7070	11550	1.6
2006-07	Tomato (DMT-1)	05	01	12.20	9.80	24.48	16815	61500	44685	2.66	26030	44500	28470	1.70
2006-07	Cotton (MRCH-6918)	25	10	17.93	14.90	20.60%	7029	53790	46761	6.65	7718	44700	36982	5.79
2006-07	Sunflower (KBSH-1)	12	5.0	8.3	6.7	24	4152	16600	12448	2.4	3625	13400	9775	1.3
2007-08	Sunflower (KBSH-41)	12	05	13.4	10.31	30	6982	33500	26518	3.8	6380	25775	19395	3.0
2007-08	Chilli (HCH-9646)	25	10	9.50	7.10	33.80	21396	76000	54604	2.55	24000	56800	32800	1.36
2007-08	Cotton (MRCH-6918)	50	20	18.87	15.64	20.68	16650	49062	32412	2.94	18750	40664	21914	2.17
2007-08	Maize (Arjun)	12	05	35.00	28.60	22.37	8313	21000	12687	1.52	7800	17160	9360	1.20
2007-08	Sunflower (KBSH-41)	25	10	8.8	7.2	22	4147	19360	15213	3.6	3869	15840	11971	4.09
2008-09	Sunflower (KBSH-41)	25	10	12.6	10.4	21.15	3299	22680	19381	6.8	3349	18720	15371	5.58
2008-09	Tomato (DMT-2)	10	4.0	133	107	24.30	16728	66500	49772	2.97	16800	53500	36700	1:2.18
2008-09	Cotton (R.C.H. 20-Bt)	10	25	17.46	14.40	21.46	16463	34920	18457	2.12	16080	28800	12720	1.79
2008-09	Sunflower (KBSH-41)	10	25	12.3	11.4	7.9	4019	27060	23041	5.73	5240	25080	19840	3.79
2009-10	Sunflower (KBSH-41)	25	10	13.70	11.55	18.61	7006	32880	25874	4.69	7126	27720	23594	3.89
2009-10	Maize (DMH-2)	12	05	52.5	46.00	14.1	14500	42000	27500	2.9	16500	36800	20300	2.2
2009-10	Tomato (DMT-2)	10	05	118	102	15.7	167580	66078	40900	3.92	15200	56100	40900	3.70
2009-10	Cotton (Rasi-20 Bt)	50	20	14.30	11.61	23.13	11753	45772	34019	3.93	15249	37376	22127	2.46
Total		394	208.5											

(vii) Frontline demonstrations on livestock -Nil

(viii) Frontline demonstrations on fisheries- Nil

(ix) Frontline demonstrations on implements and farm machinery

Year	Type of intervention	No. of farmers	Area (ha)	Average yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
				Demo	Check	% increase	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
2008-09	Tractor drawn pneumatic planter	10	20	-	-	-	-	-	-	-	-	-	-	-
	Inclined plate planter (Animal drawn)	10	10	-	-	-	-	-	-	-	-	-	-	-
	Kamadhenu Bullock drawn tractor	10	10	-	-	-	-	-	-	-	-	-	-	-
	Rotavator	10	20	-	-	-	-	-	-	-	-	-	-	-
Total		40	60											

(x) Frontline demonstrations on farm enterprises -Nil

(c) On-farm trials**A. TECHNOLOGY ASSESSMENT****(i) Technology assessment (crops)**

Year	Crop and title of OFT	No. of trials	Result of best performing technology option	Feedback from the farmers	Gross cost (Rs./ha /unit)	Gross return (Rs. /ha/ unit)	Net return (Rs. /ha/ unit)	BC Ratio
2005-06	Nil	00	-	-	-	-	-	-
2006-07	Nil	00	-	-	-	-	-	-
2007-08	Greengram Management of Greengram stem fly	03	Soil application of neem cake @ 2.5 q/ha. before sowing & one spray of Imidacloprid @ 0.2 ml/lit between 10-20 DAS resulted in reduction of pest incidence	Farmers appreciated the technology for pest management	4500	11250	6750.00	2.5
2007-08	Chilli Management of Powdery Mildew of Chilli	03	Spraying of Penconazole @ 1 g/lit.(Topaz) resulted in lesser disease incidence	The technology is very effective for the management of Disease	16200	64800	48600.00	4.0
2007-08	Redgram Alternate Transplanting method in Redgram	03	Alternative method of planting (transplanting method, var: ASHA, Maruti –ICPL –8863) resulted in increased yield	Farmers realized the importance of the technology for higher yield	9300	46500	37200	5.0
2007-08	Chrysanthemum Maximization of returns in Chrysanthemum through mixed cropping	03	Mixed cropping with short durated vegetables [chilli, Coriander, Onion, Garlic, Cluster bean] along with Redgram as a border crop resulted in increased yield	Inclusion of different kinds of vegetables definitely increase the yield besides its supplying vegetables to home purpose	29763	223300	193537	7.5
2007-08	Onion Tip burn management	03	RDF (125 :50: 120 kg/ha) Foliar application of ZnSo ₄ (0.5 %) Foliar application of Potash(Multi-K @ 2%) resulted in increased yield	By supplying micro nutrients (Zn) & Foliar application of Potash over come the tip burn damage intern enhance the yield	14500	74000	59500	5.10
2008-09	Brinjal Wider row Spacing in Brinjal	05	Wider Spacing (90 x 60 cm) gave higher yield	Wider row spacing results in higher yield quality	14675	51875	37200	3.53
2008-09	Maize Suitability of Maize genotypes during Kharif season	03	EH 434042 (Arjun) resulted in higher yield and lesser disease incidence	Higher yield & lower disease incidence	6333	34668	28335	5.47

Year	Crop and title of OFT	No. of trials	Result of best performing technology option	Feedback from the farmers	Gross cost (Rs./ha /unit)	Gross return (Rs. /ha/ unit)	Net return (Rs. /ha/ unit)	BC Ratio
2008-09	Papaya Rhizoctonia root rot disease in Papaya	04	Drenching of <i>Trichoderma harzianum</i> @ 10 gm/lit + carbendazim @ 0.2 % to the soil resulted in lesser disease incidence	Increase in yield & lesser disease incidence	33250	164000	130750	4.93
2009-10	Brinjal Management of shoot and fruit borer	05	Spraying of Carbosulfan (2.0 ml / l) resulted in lesser pest incidence	Carbosulfan results in lesser pest incidence & higher yield	20000	85950	65950	4.30
2009-10	Onion Thrips management	05	Spraying of λ - cylothrin (0.5ml / l) resulted in lesser pest incidence	λ - cylothrin @ 0.5ml/l results in lesser pest incidence & higher yield	22000	195200	173200	8.87
2009-10	Cotton Assessment of the efficacy of <i>Verticillium lecanii</i> as an alternative in managing sucking pests of cotton.	05	Foliar spray of <i>V. lecanii</i> @ 2 ml/lit based on ETL two times resulted in lesser incidence of sucking pest	<i>Verticillium lecanii</i> results in lesser pest incidence & higher yield	12000	63360	51360	5.28
2009-10	Onion Assessment of onion variety Agri found dark red over Arka Kalyan	05	Agri found Dark red resulted in increased yield	Higher yield	23500	187500	164000	7.97
2009-10	Brinjal Assessment of crop geometry	05	Wider Spacing (90 x 60 cm) resulted in increased yield	Higher yield	23200	66000	42800	2.85
2009-10	Sunflower Management of powdery mildew	06	Spraying of Difenconazole @ 1 ml/lit gave better control	Two sprays helps to manage the disease & getting higher yield	13190	43250	30060	3.28
2009-10	Groundnut Management of Collar rot	05	ST with <i>Pseudomonas flouroscense</i> @ 4g/kg seeds & soil treatment with <i>Pseudomonas</i> @ 2.5kg & neemcake @ 2.5q with FYM 5 tons/ha. Gave better control	Drenching & soil application helps to manage the disease & getting higher yield	18500	70500	52000	3.81
Total		63						

ii) Technology assessment (livestock) – Nil

(iii) Technology assessment (fisheries) – Nil

(iv) Technology assessment (others) - Nil

B. TECHNOLOGY REFINEMENT

(i) Technology refinement (crops)

Year	Crops and title of OFT	No. of trials	Justification for refinement	Result of performance of technology refinement option	Feedback from the farmers	Gross cost (Rs./ha/unit)	Gross Return (Rs. /ha/unit)	Net return (Rs. /ha/unit)	BC Ratio
2005-06	Integrated weed management in onion	03	Oxyflaorten 23.5% EC is effective weedicide	Spraying of Oxflaorten 23.5% EC (1.1 l in 1000 l/ha) for control of weeds in onion was found to be effective in increasing the yield to the extent of 26 per cent over farmers practice and 15 per cent over recommended practice.	Minimized the labour requirement	13800	90760	76960	6.50
2005-06	Micronutrient management in cabbage	03	Slow release and efficient usage	Application of 25 t/ha FYM and RDF (150 :100:125 NPK kg/ha) + 1.50 t/ha GOT was found effective in increasing the yield of cabbage to the extent of 32.2 per cent over farmers practice and 14 per cent over recommended practice.	Farmers appreciated the technology as losses are minimized and the technology is easy to adopt	14600	117750	103150	8.00
2005-06	Management of tomato fruit borer	03	Effective management and avoid residue problem	Spraying of spinosad 48SC (0.1 ml/l) for control of fruit borer in tomato was found to be effective in increasing the yield to the extent of 32 per cent over farmers practice and 22 per cent over recommended practice.	Use of spinosad gave better control over farmers practices	12600	55500	42900	4.4
2005-06	Management of alternaria leaf blight of chrysanthemum	03	Systemic and effective fungicide	Spraying of Propiconazole (0.1%) for management of alternaria leaf blight in chrysanthemum was found to be effective in increasing the yield to the extent of 35 per cent over farmers practice and 22 per cent over recommended practice.	Spray of propiconazole resulted in reduction of alternaria leaf blight	13200	74400	61200	5.64
2005-06	Management of yellow vein mosaic of okra	03	Systemic and effective insecticide	Seed treatment with imidacloprid 70 WP @ 5 g/kg seeds and spraying of imidacloprid 50 SL @ 0.25 ml/l for control yellow vein mosaic of okra was found to be effective in increasing the yield to the extent of 35 per cent over farmers practice and 20 per cent over recommended practice.	Spray of imidacloprid resulted in reduction of yellow vein mosaic disease	9700	52800	43100	5.44

Year	Crops and title of OFT	No. of trials	Justification for refinement	Result of performance of technology refinement option	Feedback from the farmers	Gross cost (Rs./ha/unit)	Gross Return (Rs. /ha/unit)	Net return (Rs. /ha/unit)	BC Ratio
2006-07	Management of bud worm in chrysanthemum	03	Effective insecticide with fumigant action	Methomyl@ 0.6.gm/lit, NSKE @ 4% resulted in less pest intensity and increased yield.	Use of methomyl and NSKE gave better control	12800	73920	61120	5.78
2006-07	Management of diamond back moth of cabbage	03	Effective management and avoid residue problem	Profenophos @ 2 ml/l and NSKE 4% gave better control	Spraying of Profenophos and NSKE resulted in reduction of pest incidence	12500	108720	96,220.00	8.69
2006-07	Management of black rot of cabbage	03	Effective for disease management	Seed treatment with streptomycin sulphate @ 0.5 g. + copper oxychloride @ 3 g / kg seeds + spraying of bacterinashak @ 0.5 g + COC @ 3.0 g /l two sprays at an interval of 10 –15 days resulted in lesser disease incidence	Farmers appreciated the technology in disease management	10200	84535	74335	8.28
2006-07	Management of fruit rot of brinjal	03	Systemic and effective fungicide	Seed treatment with carbendazim @ 2 g/kg and three sprays of Propiconazole @ 1 ml/l (30,45& 60 DAT) gave better control	Seed treatment with carbendazim and spray of Propiconazole resulted in reduction of fruit rot disease	11800	88000	27000	7.53
2006-07	Weed management in cabbage	05	Effective weedicide	Spray of oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 intercultivation + 1 hand weeding has recored low weed incidence	Minimized the labour requirement	12100	86900	74800	7.18
2006-07	Nutrient management in tomato	05	Slow release and efficient usage	RDF(25 t FYM+ 60:50:30 NPK kg/ha)+Borax+ CaCl ₂ / Ca(NO ₃) resulted in increased yield	Farmers realized importance of micronutrients for better yield	12000	60000	48000	5.00
Total		37							

(ii) Technology refinement (livestock) – Nil

(iii) Technology refinement (fisheries) – Nil

(iv) Technology refinement (others) – Nil

C. Broad-basing of frontline extension

S. No.	Activity	No. of activities/No. of units carried out					Total
		2005-06	2006-07	2007-08	2008-09	2009-10	
i.	Artificial insemination of cattle/buffalo	05	10	08	10	15	48
ii.	Animal health camp/care provided (No. of animals)	50	80	40	60	120	350
iii.	Poultry introduced, including quail (units)	05	03	08	10	08	34
iv.	Piggery introduced (No. of units)	02	01	01	02	01	07
v.	Rabbitry introduced (No. of units)	05	03	02	03	05	18
vi.	Planting/livestock materials produced and distributed	1400	893	3124	1250	1712	8379
vii.	Fodder grass introduced (ha)	10	15	10	20	15	70
viii.	Fruit trees introduced	50	100	150	125	150	575
ix.	Watershed development plan prepared	00	00	01	01	00	02
x.	Watershed development	00	00	01	01	00	02
xi.	Consultancy on soil analysis and topographic survey	50	40	60	100	150	400
xii.	Consultancy on land-use planning and cropping patterns	10	15	10	20	15	70
xiii.	Improved hand tools and implements introduced	03	05	04	03	05	20
xiv.	Fishery demonstrations	00	00	01	01	00	02
xv.	Goatery introduced	00	00	01	01	00	02
xvi.	Duckery introduced	00	00	00	00	00	00
xvii.	Agro-forestry introduced	00	00	05	05	00	10
xviii.	Apiary introduced	00	02	03	02	04	11
xix.	Mushroom cultivation introduced	05	03	00	00	00	08
xx.	Vermicompost introduced	08	12	18	14	16	68
xxi.	Sericulture introduced	02	05	03	08	06	24
xxii.	Improved hand tools and implements introduced	03	05	04	03	05	20
xxiii.	Any other (specify)	00	00	00	00	00	00
	Total	1608	1192	3454	1639	2227	10120

D. Impact of KVK in terms of agricultural and animal productivity, socio-economic conditions and employment generation during QRT period (5 years : 2005-06 to 2009-10) in the adopted villages

(i) Before and after KVK technological interventions

Sl. No.	Item	Unit	Prior to KVK (just prior to this QRT period : 2004-05)	Post KVK activities (Just after this QRT period: 2010-11)
1	Change in cropping pattern	%	05	20
2	Change in productivity of			
	(a) Cereal crops	kg/ha	2257	2560
	1) Pulses	kg/ha	373	420
	2) Oilseeds	kg/ha	788	850
	3) overall	kg/ha	-	-
	4) livestock		Local breeds	New Cross breeds in dairy
	5) fisheries		-	-
	6) enterprises		-	-
3	Average use of high yielding varieties	%	30	50
4	Average use of livestock breeds	%	20	50
5	Average use of high yielding fish fingerlings		-	-
6	Average use of fertilizers (NPK nutrients)	kg/ha	1440	1320
7	Average use of FYM and other bio-fertilizers	kg/ha	6000 (FYM)	8000 (FYM) + 5 Kg / Bio-fertilizer
8	Farmers using tractor/machinery	%	30 %	60 %
9	Change in net return in adopted villages	Rs./ha		
	(a) Major crops			
	Cotton		22,000/-	31,000/-
	Maize		14,000/-	24,000/-
	Sunflower		13,000/-	22,000/-
	Groundnut		18,000/-	26,000/-
	Redgram		12,000/-	16,000/-
	Bengalgram		13,500/-	18,000/-
	(b) Major livestock			
	Dairy (10 animals)		50,000/-	85,000/-
	Sheep and Goat (50 animals)		50,000/-	1,50,000/-
	(c) Major fisheries		-	-
	(d) Major other enterprises		-	-
10	Employment generation	Mandays /month		
	(a) Among farmers		15	22
	(b) Among farm women		18	23
	(c) Among rural youth		12	8
	(d) Among SHGs		16	22
11	Any other specify		-	-

(ii) Details of major output and outcome through technological interventions during 2005-06 to 2009-10

Crop / enterprise	Major Problem tackled	Type of intervention (s)	Period of intervention	Major output w.r.t. primary parameter		Major output w.r.t. secondary parameter		Major outcome	District level impact	Major constraints for non significant impact
				Before	After	Before	After			
Cotton	Pest incidence	FLD / OFT	2005-06 to 2009-10	10.23 q/ha	14.30 q/ha	40 % reduction in pest incidence with 10-12 pesticides sprays	80 % reduction in pest incidence with 04-05 pesticides sprays and other pest control measures	<ul style="list-style-type: none"> • Reduction in pesticide use • Reduction in pest incidence • Increase in yield 	Reduced cost of production improved the socio-economic status	-
Sunflower	Pest & disease incidence	FLD / OFT	2005-06 to 2009-10	6.6 q/ha	13.70 q/ha	<ul style="list-style-type: none"> • 50% reduction in hairy caterpillar incidence • 40% reduction in necrosis incidence 	<ul style="list-style-type: none"> • 90% reduction in hairy caterpillar incidence • 80% reduction in necrosis incidence 	<ul style="list-style-type: none"> • Introduction of improved hybrids • Reduction in pest & disease incidence • Increase in yield 	Reduced cost of production improved the socio-economic status	-
Groundnut	Low yield & varieties susceptible to rust	FLD	2005-06 to 2009-10	18.5 q/ha	27 q/ha	<ul style="list-style-type: none"> • 40 % reduction in leaf eating caterpillars • 30 % reduction in foliar diseases 	<ul style="list-style-type: none"> • 85 % reduction in leaf eating caterpillars • 80 % reduction in foliar diseases 	Higher net returns with better management of nutrient, pest & diseases	GPBD 4 is gaining popularity	-
Maize	Turcicum leaf blight	FLD/OFT	2005-06 to 2009-10	30 q/ha	50 q/ha	• 30% reduction in Turcicum leaf blight incidence	• 70% reduction in Turcicum leaf blight incidence	• Introduction of Arjun (Moderately resistant to Turcicum leaf blight)	Horizontal spread is not significant	Problem of non filling of tip was observed and low yield compared to private hybrids

(iii) Write case studies documented in detail in each year (2005-06 to 2009-10)

2005-06

1. Sri Shivappa Basappa Hadimani

Sri Shivappa Basappa Hadimani aged 60 years, resident of Magod, a village in Ranebennur taluka of Haveri district. His major source of income being agriculture had 27 acres of land holding of which 12 acres is rainfed.

Earlier he was following mono cropping with crops like sorghum local, little and foxtail millet, maize, sunflower and vegetables. He was neither having horticulture component nor vermicompost unit. During 2004-05 integrated farming system demonstration under Sujala Watershed Project was implemented through Krishi Vigyan Kendra. The critical inputs provided include improved seeds, horticultural plants, sapota (DSH-1 and DSH-2), curryleaf (Suhavasini), teak seedlings. Similarly poultry birds (Giriraja and Girirani) were distributed and twin vermicompost units were constructed.

Introducing the farming system demonstrations to the farmer with improved variety and technologies in Agriculture and vegetable crops increased farmers income substantially. In field crops, Greengram (S-4), Blackgram (TAU-1) Sunflower (KBSH-1), Little millet (sukshema), Foxtail millet (HMT-100-1) Redgram (Asha), Soybean (JS-335) and Cotton (DSH-11) with IPM practices were advocated and critical inputs were provided.

Farmer has followed all above practices subsequently, average yield of field crops increased to 37.56 q/ha compared to bench mark yield of about 18.90 q/ha. The annual gross income through field crops from rainfed increased from Rs.14580/- to Rs. 51420/- year. Similarly on cultivation of improved vegetable crops such as cluster bean, Bhendi, French bean Chilli, Tomato, Cucumber and Ash gourd, he has obtained 56 q/ha compared to bench mark yield of 19.50 q/ha. The annual gross income through vegetable crops from rainfed increased from Rs. 11860/- to Rs. 23081/-.The Animal components viz., 12 Girirani chicks of one month old were distributed, which have laid 530 eggs/year with an earning of Rs. 1,500/- per year. Further, few eggs were allowed to hatch and the chicks obtained, were subsequently sold @ Rs.50/- each bird of one month old. Also, birds were sold for meat purpose @ Rs.300/- bird. The total earning from these animal components was Rs. 15000/- per year. He obtained 7 ql. of vermicompost per year from the twin units with an additional income of Rs.2,100/- per year. Over all income of the farmer increased to Rs.50,034/- per year (73%) over bench mark income of Rs.13,440/- per year. The benefit from every Rupee spent increased from 0.74 to 1.32 rupees

2. Sri M.T. Motebennur

Under Front Line Demonstrations Sri M. T. Motebennur, a progressive farmer from Kajjari village of Ranebennur taluka was provided with 2 kg seeds of cotton (DDHC-11) during Rabi-2005-06. DDHC-11 being a high yielding variety over local Jayadhar is developed from ARS, Hebballi of UAS, Dharwad. The main characteristics of the cultivar being more number of bolls per plant can be harvested in 2-3 pickings, short-stapled fibre and retention of greenish tinge of plant till the harvest.

The farmer cultivated the crop as per the guidelines of Krishi Vigyan Kendra and subsequently obtained yield of 3 ql/acre. After ginning the lint yield was 70 kg which was sold @ Rs. 6,000/- per ql. He thus obtained Rs. 4,200/- from the sale of lint. The seed yield was 2.3 qt. which he sold to fellow farmers of neighboring villages @ Rs. 40 /kg. In total he has obtained Rs.13,400/- which is greater than what he could have obtained if he had cultivated local Jayadhar (Rs.6,000 per acre.).

1. Diversification of Spice products through value addition - A case study of Kabbur Industries of Byadgi.

Kabbur Enterprises was started in the year 1989 with trading business in chillies, as it was the traditional family business since 1930. Later based on the growing demand for chilli powdering unit, Kabbur Enterprises started its chilly powdering unit in their ancestral property during 1992, with one pulverizer of 25 HP capacity, it was expanded from single 25 HP pulverizer to two 25 HP pulverizers one 40 HP pulverizer and one 60 HP pulverizer by the end of December 1995 as there was heavy demand for powdering unit. In 1998, Kabbur Enterprises started with its own branded products in by the brand name KABBUR'S, initially it started with two qualities of chilli powder and one quality of turmeric. As market expanded, in 1999 they started with production of coriander powder. The factory is situated near Byadgi bus terminus, so that the products can be transported easily. Company is partnership and tiny sector firm but notable feature being that the partners are from the same family. They are having two computers where, they store the transaction information of the sales of the products & purchases of raw materials. In the year 2003, company planned to launch four new products *i.e.*, Jeera powder, chat-pat chatni, sambar powder and garam masala.

Kabbur Enterprises believes in quality and honesty in business which is an essential stepping-stone for the ladder of success. Initially after launch of branded products, it was very difficult to market the products due to cutthroat competition and was a new brand in market. Due to policy of retaining best quality, hard times passed very shortly. Now it has work force of 10 people divided into various segments like purchases, trading, manufacturing and Sales.

Byadgi in early days was business center. Chilly was grown in the nearby areas of Hirekerur, Masur etc. Farmers used to sell their chillies in the Byadgi market and eventually the Byadgi market started gaining importance as chilli market. Though chilly growing area has drastically decreased in and around Byadgi taluk, yet Byadgi market is known for chillies. This is because the new areas started to develop around Hubli, Gadag, Bellary, Raichur and Gulbarga from where all the chilli growers get their produce to the Byadgi for sales, as their produce fetch good price in Byadgi and also because the people are accustomed to chilly business. The Byadgi folk have the experience of purchasing material in bulk and grade them. They also have the knowledge of selling chilly according to the requirement of different people and regions.

Dry chilly business is a seasonal business, where season normally commences from mid of November & lasts till end of May, but the availability of chilly would be throughout year as the chillies are stored in cold storages and are sold as & when there is demand. There are several qualities

of chillies, available in Byadgi. Some of them are Kaddi, Hubli dappa, Kashmir dabbi, Wonder hot chilly, Guntur

The annual turn over of Kabbur Enterprises is around 1,00,000 to 1,30,000 packets of spices and it is looking forward to introducing new products like Pickles and papad, in the near future. Employment Generation . It is found that management and production capacity of Kabbur Enterprises is quite good as it has adopted all the basic concepts of a small scale industry.

2. Channabasappa Kombli- An Enthusiastic Jalayodha of North Karnataka

Recharging of ground water is the much discussed topic of present day. The Government has initiated many programmes to recharge ground water. However the results are not very encouraging due to lack of participation and commitment from the community. Individual efforts and initiations by the voluntary organisations are showing good results. One such individual effort was initiated in the Kakol village of Ranebennur taluk Haveri district is indeed commendable.

A progressive and highly enthusiastic farmer Mr. Channabasappa Kombli has adopted an innovative approach for recharging ground water in old and dried open wells of his village. Kombli visited many projects of ground water recharging under taken by different organizations in and around the taluk and came up with the idea of reviving these open wells through recharge of ground water. He made full use of Government's "Jala Rakshana Scheme" for water in the year 2003. Different activities like construction of farm ponds, percolation ponds, field bunding, diversion canals were constructed to harvest excess run off water, which was in turn directed to the open wells. Various other soil and water conservation structures were scientifically laid out to conserve water and soil erosion. The exemplary work of Kombli has drawn the attention of different sections of society. Many farmers of the Northern Karnataka are adopting the same concepts in their villages. For his excellent work Government of Karnataka has awarded him with "Krishi Pandita Award" and also secured "Kannada Prabha Varshad Vyakti Award".

2007-08

1) Mushroom Production

Shri Shankarappa M. Malagi, aged 38 years, resident of Ranebennur, is a Diploma holder. His major source of income is through welding shop. He is living in a joint family setup constituting a total of 13 members. In order to meet his large family requirements he needed a subsidiary occupation with sizeable income. In this regard he had undergone a training on "Mushroom Production" at Krishi Vigyan Kendra, Hanumanamatti during 2003 along with his wife. Training facilitated them to gain knowledge and skill in mushroom production, marketing and its medicinal values. He realised, the scope and profitability of this venture, as there were no other producers. He began the production of mushroom from January, 2004 with minimum of 10 kilo spawn which was a failure. He persisted with his efforts in this line and successfully started production from March, 2004 with five kilo spawn material purchased from Lalbagh, Government of Karnataka, Bangalore.

The knowledge acquired in the training programme and through trial and error methods, he is now producing two to five kilo per day. This accounts to 60-150 kg per month. He sells fresh mushroom, to the selected consumers on demand at the price of Rs. 60 per kg. The gross returns range from Rs. 3600 to Rs.,9000 per month and the net returns being Rs. 2500 to Rs.7500 per month. He is taking up the activity without affecting his regular welding works. Daily he spends a minimum of two hours in the early morning and the rest of the work is attended by his wife. He sustains is family through this subsidiary income of Rs. 2500 to 7500 per month by self marketing system. By putting least efforts in the subsidiary occupation he earns sizeable income, as a reward for his entrepreneurship. He is aspiring to expand this business in large scale in future.

2008-09

1. Production technology in Groundnut (G.P.B.D. 4)

Sri. Aravind Desai, Handiganoor village of Haveri taluk, is a big farmer. He was growing groundnut variety TMV-2 regularly every year. For the control of diseases of groundnut. Farmer was spraying fungicides four times during the crop season. By following only fungicidal sprays, diseases were not controlled and cost of cultivation increased. He was facing the problem of leaf spot, rust and root rot diseases. He approached the KVK, Hanumanamatti for solution. Then scientists trained him on integrated crop management of groundnut. He agreed to spare his land for ICM demonstration on groundnut production technology. Demonstrations were conducted in his field by following IPM modules, application of *Trichoderma* along with vermicompost, growing of resistant variety GPBD-4 (resistant to leaf spot and rust) and application of FeSO₄ and ZnSO₄.

Horizontal Spread : About 30 farmers Adopted the technology in Haveri district.

Economic gains : Harvested 27.5 q/ha pod yield and 31.5 q/ha fodder yield compared to his own method where he got 21.5 q/ha pod yield and 23.5 q/ha fodder yield. Just by following ICM technology he could able to get 6 q/ha extra pod yield with reduced cost of cultivation.

2009-10

1. Vermiculture and vermicompost production :

Earthworms are extremely important in soil health principally through their activities in consuming organic matter, fragmenting it, mixing it with mineral particles to form aggregates. The application of vermicompost to field crops would definitely substitute requirement of inorganic fertilizers to the extent of 50-75 percent. Mr. Hemanna Barangi is an enthusiastic farmer with a small holding of 1.5 acre land and he had a plan to go for vermicompost production. Upon seeing his interest in vermiculture, Krishi Vigyana Kendra Scientists briefed him about the effective way of rearing earth worms and production of vermicompost. He was given the required training for a week by Krishi Vigyana Kendra and he could realize that all the available organic waste material can be converted in to vermicompost by using "earthworm." With the knowledge he gained, procured two kg of earthworms and got in to vermicompost enterprise. At this point KVK introduced him to state department schemes for necessary financial assistance. Today he is using vermicompost in his farm and commercially producing. This venture not only brought him popularity but also fetching him income. The enterprise is five year old and attracting many visitors. Seeing his progress many other farmers are now started approaching him to learn the trade secret. Presently he is selling 200 ql. of vermicompost per year at a cost of

Rs. 400/- per ql. and about 150 kg of worms at a cost of Rs. 200/- per kg which totally fetches him an income of Rs. 1.10 lakhs per year. As per KVK recommendation he planted little guard / Ivy guard (*Coccinia indica*) around the vermicompost pits for natural shade and he getting an additional income of Rs. 500/- per week by selling the little guard fruits. Indirectly he is getting organically grown produce and on his way to maintain sustainability not only in crop production but also achieved self sufficiency with respect to organic manure production, thus keeping away the inorganic fertilizers out of his farm.

(iv) Write large scale adoption of technologies documented in detail in each year (2005-06 to 2009-10)

Sri Nagappa Mahalingappa Kodabal

Sri Nagappa Mahalingappa Kodabal, aged 67 years is from Khurd kodihalli village of Byadgi taluk is a medium farmer. His main occupation is Agriculture and his entire family is engaged in agriculture. He is having 11 acres of quality irrigation. Crops like groundnut, maize, soyabean, sunflower, cotton (both in *Kharif* and *Rabi*), etc., are grown in an intensive manner. He is the first person to adopt the new technologies available in the field of agriculture and always curious to know the result of such technology.

Krishi Vigyan Kendra, Hanumanamatti provided seed material of groundnut var. GPBD-4 for 1 acre land under Front Line Demonstrations in *Kharif*, 2005 to Shri Kodabal. Variety is resistant to leaf spot disease, has higher oil percentage and higher yield than other ruling varieties. The farmer has followed the scientific production technologies like timely sowing, maintenance of optimum plant population, application organic and inorganic fertilizers, gypsum application, correct plant protection measures, timely harvesting which in turn resulted in bumper harvest of 20 quintals per acre and the usual average yield being 10 q/acre. This yield has fetched him to receive a higher return. Encouraged by the good results, fellow farmers of the village and neighbouring villages have purchased seed material from Shri Kodabal and have received good returns.

Sri Kodabal again cultivated var. GPBD-4 during summer, 2006 and again harvested the highest yield of 22 quintals per acre. During that period the prevailing market rate of groundnut was Rs.1600/- per quintal earning a gross income of Rs.35,200/- and net profit of Rs.28,000/-. The success of the technology has made the farmers of the district to spread it horizontally.

Name of programme	No. of activities (NA) and participants (F: farmers and EO: Extension Officials)																	
	2005-06			2006-07			2007-08			2008-09			2009-10			Total		
	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO
<i>a)Goat/Dairy</i>	02	50	04	02	43	02	03	52	14	06	52	14	08	93	17	21	290	51
Ex-trainees Sammelan	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Soil health Camp	04	84	08	03	95	09	04	98	12	05	112	16	06	143	15	22	532	60
Animal Health Camp	00	00	00	03	140	08	03	134	12	01	134	08	01	75	02	08	483	30
Agri mobile clinic	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Soil test campaigns	04	84	08	03	95	09	04	98	12	05	112	16	06	143	15	22	532	60
Farm Science Club Conveners meet	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Self Help Group Conveners meetings	14	172	06	18	194	08	23	310	06	26	257	18	30	316	08	111	1249	46
Mahila Mandals Conveners meetings	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Farmers groups formed	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
SHGs formed	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Diagnostic team visits	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Mobile team visits	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Advisory services	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
FFS organised	00	00	00	00	00	00	00	00	00	00	00	00	01	32	08	01	32	08
Celebration of important days (specify)																		
a)Farmers' day celebrations	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
b) Earth day	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
c) Science day	00	00	00	00	00	00	01	52	00	00	00	00	00	00	00	01	52	00
d) Vanamahotsava	00	00	00	00	00	00	01	54	00	01	14	00	00	00	00	02	68	00
e) Horticulture day	00	00	00	00	00	00	01	62	00	03	158	00	01	75	00	05	295	00
f) World food day	00	00	00	00	00	00	01	62	00	00	00	00	01	25	02	02	87	02
g) Kisan day	00	00	00	00	00	00	01	56	00	00	00	00	00	00	00	01	56	00
h) Breast feeding week	00	00	00	00	00	00	00	00	00	00	00	00	01	20	03	01	20	03
i) Parthenium awareness week	00	00	00	00	00	00	00	00	00	00	00	00	01	10	02	01	10	02

Name of programme	No. of activities (NA) and participants (F: farmers and EO: Extension Officials)																	
	2005-06			2006-07			2007-08			2008-09			2009-10			Total		
	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO	NA	F	EO
j) Women in agriculture day	00	00	00	00	00	00	00	00	00	00	00	00	01	19	01	01	19	01
k) International women day	00	00	00	00	00	00	00	00	00	00	00	00	01	50	02	01	50	02
Video lessons displayed	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
Newspaper coverage	06	00	00	08	00	00	10	00	00	14	00	00	17	00	00	55	00	00
Radio talks Radio coverage's	06	00	00	05	00	00	07	00	00	09	00	00	08	00	00	35	00	00
TV talks	02	00	00	04	00	00	03	00	00	01	00	00	02	00	00	12	00	00
Popular articles	10	00	00	15	00	00	17	00	00	10	00	00	11	00	00	63	00	00

E.2. Technology Week Observation during 2009-10

Period of observing Technology Week: From 23-11-2009 to 27-11-2009

Types of Activities	Number of activities	Number of Farmers utilized the activities
Demonstration plots laid inside KVK campus	05	350
Extension Activities		
Literature provided (No.)	03	350
Supply of Planting materials (No.)	100	70
Supply of Seeds (q.)	05	12
Supply of Bio Product (Kg)	500	300

F. Status of research-extension linkages at district level

Indicators	Explain how involvement taken place
What kind of mechanism exists for local coordination of the frontline extension demonstrations between the KVKs and state government	Bi-monthly meetings are conducted where all the development department officials interact for the identification of problem and implementation of KVK mandates.
What is the frequency of local management committee/scientific advisory committee meeting of KVK during last 5 years	Every six months
No. of monthly workshops organized/participated	44
Frequency and number of staff participated in seminars at zonal, state and national levels	Two per year and 10
Whether the local NGOs are involved in KVKs programmes, if yes how many and what frequency	Yes, 07 NGO's are involved and once in a month
Whether the local mahila mandal or farm science clubs are promoted and have become visible in their activities. If yes how many and what frequency	Yes, five SHGs were promoted
A brief about the extent of contribution of the officials of various line departments and joint programmes undertaken.	1) Forest Dept. – Organising Vanamahotsava's, providing teak plantings to IFS farmers 2) Agril. Dept. – In addition to critical inputs supply by the KVK, fertilizers, transport facility made available by Agril. Dept. at subsidized rates 3) Hort. Dept. – Providing free vegetable seeds for demonstration of nutritional garden, Establishment of bio-digesters and vermicompost from schemes of horticultural dept. 4) Animal Husbandry – Animal Health Camps were organized regularly in collaboration with the department. 5) Watershed : Facilitating for construction farm ponds in the farmers field

G. Production and supply of technological products

Category	2005-06			2006-07			2007-08			2008-09			2009-10			Total		
	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. Of armers	Quantity	Value (Rs.)	No. Of farmers
Seed Materials -Varieties (Quintal)																		
Little millet – Sukshema	1.50	00	25	00	00	00	3.4	3400	2	00	00	00	00	00	00	4.9	5200	27
Foxtail millet -HMT-100-1	4	4800	50	00	00	00	0.4	500	1	00	00	00	00	00	00	4.4	5300	51
Ground nut GPBD-4	18	49840	15	71	2067	25	3.95	14800	07	00	00	00	00	00	00	92.95	66707	47
Groundnut DH-86	00	00	00	11	27125	20	00	00	00	00	00	00	00	00	00	11	27125	20
Ground nut TGLPS-3	1.30	3640	05	00	00	00	00	00	00	00	00	00	00	00	00	1.3	3640	5
Cowpea C-152	01	3200	20	00	00	00	00	00	00	00	00	00	00	00	00	1	3200	20
Bajar8201	0	00	0	0	0	0	10.5	10500	5	1.75	12350	2	0	0	0	14.25	22850	7
Rabi jowar-M35-1	00	00	00	00	00	00	6.0	10800	2	00	00	00	00	00	00	6	10800	2
Soybean JS-9305	0	00	0	0	0	0	2.5	4500	0	0	0	0	2	6000	0	2.5	10500	0
Soybean JS-335	00	00	00	00	00	00	00	00	00	0.18	3600	01	2.5	6500	00	1.18	10100	1
Soybean DSb-1	00	00	00	00	00	00	00	00	00	00	00	00	1	3000	00	0	3000	0
Greengram chaina mung	0	0	0	0	0	0	1.19	5900	9	0	0	0	0	0	0	1.19	5900	9
Blackgram	00	00	00	00	00	00	0.98	4900	00	00	00	00	00	00	00	0.98	4900	0
Redgram BSMR-736	0	0	0	0	0	0	5	18500	17	0.18	6660	1	3	11100	50	6.18	36260	68
Redgram Asha	0	0	0	0	0	0	2	7400	5	0.06	2220	1	1	3700	15	3.06	13320	21
Redgram Maruti	00	00	00	00	00	00	00	00	00	0.06	2300	00	4	14800	25	0.06	17100	25
Maize Savarna	00	00	00	00	00	00	00	00	00	2.301	17869	01	00	00	00	3.301	17869	1
Sunhemp	00	00	00	00	00	00	00	00	00	0.8	1360	01	5	8500	20	1.8	9860	21
Seed Materials -Hybrids (Quintal)																		
Jowar	00	00	00	00	00	00	00	00	00	0.18	1080	00	00	00	00	0.18	1080	0
Cotton Rasi 20-Bt	00	00	00	00	00	00	00	00	00	4.41	11432	01	00	00	00	5.41	11432	1
Planting Materials - Varieties (Number)																		
Sapota Cricket ball	00	00	00	00	00	00	00	00	00	10	500	01	00	00	00	11	500	1
Guava L-49	150	3000	10	10	200	05	00	00	00	17	340	02	267	5340	30	179	8880	47
Lime	20	400	04	35	175	10	00	00	00	00	00	00	04	20	1	55	595	15
Papaya	00	00	00	2	10	01	00	00	00	00	00	00	00	00	00	2	10	1
Pomegranate Ganesh	60	300	05	2	40	01	00	00	00	00	00	00	00	00	00	62	340	6

Category	2005-06			2006-07			2007-08			2008-09			2009-10			Total		
	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. of farmers	Quantity	Value (Rs.)	No. Of farmers	Quantity	Value (Rs.)	No. Of farmers
Drumstick Dhanraj	15	225	03	00	00	00	00	00	00	00	00	00	18	90	10	15	315	13
Curry leaf Suvasini	325	1625	45	420	2100	25	1067	5335	500	545	2725	3	706	35300	75	2360	47085	648
Tamarind PKM-1	75	1875	10	55	1100	15	54	1080	35	00	00	00	06	120	1	184	4175	61
Chakarmani	60	600	10	24	600	15	100	200	80	00	00	00	22	110	20	184	1510	125
Kitchen garden	00	00	00	00	00	00	1512	25965	760	00	00	00	00	00	00	1512	25965	760
Planting Materials – Hybrids (Number)																		
Sapota DHS-1	695	34750	35	203	10150	20	79	3950	50	506	25300	03	442	22100	25	1486	96250	133
Sapota DHS-2	00	00	00	142	7100	10	312	15600	95	172	8600	03	247	12550	10	629	43850	118
Bio Products (Quintal)																		
<i>Trichoderma harzinum</i> (No.)	60	12000	20	00	00	00	00	00	00	00	00	00	00	00	00	60	12000	20
Vermicompost	0.37	9250	25	00	00	00	00	00	00	00	00	00	00	00	00	0.37	9250	25

H. Impact of KVK on farming population (Questions in the following table may be administered to selected five farmers from the adopted villages and another five from non-adopted villages and appended with the report)

(i) General information

Name and address of farmer	1. Pakirappa Haveri. Kajari ,Tq: Haveri
Enterprises being practiced	Agriculture, Horticulture, Animal Husbandry
Enlist improved technologies being adopted under different enterprises	Agriculture – Seed production Horticulture – IPM in vegetables Animal Husbandry – Fishery, Apiary.
When were these improved technologies received by you (farmer) and from where?	2006-07. From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Seed production	20 %	Increased returns and good seed material
2	IPM	60 %	Better yield, low cost & higher profit
3	Introduction of Honeybee in fruit crop	20 %	Higher fruit set & higher profit
4	Fishery	15 %	Higher finger crop & higher profit
5	Cycle weeder	10%	Labour scarcity, high cost of bullock pair
6	Maize sheller	10%	Useful in small scale farm holding
7	Fodder	20 %	Low cost feed
8	Vermicompost Production	30 %	Higher production and income

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Training should be given well before crop sowing
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Training on the improved agricultural practices. Providing technical know how.
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	Yes. More seed and planting material should be supplied
Any other comments on the KVK	No

i) General information

Name and address of farmer	2. Sri. Veeranagouda K. Basavanagoudar Aremallapur, Ranebennur Tq. Haveri Dist.
Enterprises being practiced	Agriculture, Dairy, Azolla and Sheep Farming
Enlist improved technologies being adopted under different enterprises	Supplementation of Azolla and Silage in Sheep
When were these improved technologies received by you (farmer) and from where?	2009-10 From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Supplementation of Azolla in Dairy cows	80 %	Increased milk yield, SNF, Milk Fat and Reduced cost of feed
2	Introduction of Lucerne (In collaboration with IGFRI, Dharwad)	70 %	Increased milk yield and improved reproductive performance
3	Deworming using Ivermectin	60 %	More milk yield and less incidence of disease outbreaks
4	Nutritional garden	20 %	Nutritional vegetables at low price
5	IPM	25 %	Higher yields due to effective management of pests

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Technology should be easily, adoptable by all the farmers through training and by experience on their own fields.
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Group discussion, Method demonstration, Field visits, Exhibitions, Demonstrations and Refinement.
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	Yes. More number of field visits should be made.
Any other comments on the KVK	Should be conducted in large area covering more number of farmers and also required budget facility to be provided.

i) General information

Name and address of farmer	3. Sri. C.M. Patil Chhatra, Ranebennur Tq. Haveri Dist.
Enterprises being practiced	Agriculture, Dairy
Enlist improved technologies being adopted under different enterprises	Supplementation of Azolla and varieties of Fodder crops
When were these improved technologies received by you (farmer) and from where?	2009-10 From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Use of Azolla in Dairy cows	60 %	Increased milk yield, SNF, Milk Fat and Reduced cost of feed
2	Introduction of Gini Grass, Napier grass	80 %	Increased milk yield and improved reproductive performance
3	Deworming using Albendazole	70 %	More milk yield and less incidence of disease out breaks
4	Bio gas unit	70 %	Low cost technology
5	IPM	25 %	Higher yields due to effective management of pests

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Technology should be easily adoptable by all the farmers through training and by experience on their own fields.
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Group discussion, Method demonstration, Field visits, Exhibitions, Demonstrations and Refinement.
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	Yes. More number of field visits should be made.
Any other comments on the KVK	Should be conducted in large area covering more number of farmers and also required budget facility to be provided.

i) General information

Name and address of farmer	4. Sri. Hanumantappa Dasar Kamadod, Ranebennur Tq. Haveri Dist.
Enterprises being practiced	Agriculture, Sericulture, Animal Husbandry and Horticulture
Enlist improved technologies being adopted under different enterprises	Agriculture – Vermiculture Sericulture - Silk worm rearing Animal Husbandry - Dairy Horticulture – Fruits and Vegetable crops
When were these improved technologies received by you (farmer) and from where?	2007-08 From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Silk worm rearing	80 %	Increased mulberry, Cocoon yield and higher returns
2	Vermiculture	40 %	Higher production and returns
3	Deworming using Albendazole	20 %	More milk yield and less incidence of disease out breaks
4	IPM	40 %	Higher yields due to effective management of pests
5	Fruits and Vegetable crops	30 %	Higher yield and returns

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Technology should be easily adoptable by all the farmers through training and by experience on their own fields.
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Group discussion, Method demonstration, Field visits, Exhibitions, Demonstrations and Refinement.
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	Yes. More number of field visits should be made.
Any other comments on the KVK	Should be conducted in large area covering more number of farmers and also required budget facility to be provided.

i) General information

Name and address of farmer	5. Sri. Mallanagouda Benakanakonda, Ranebennur Tq. Haveri Dist.
Enterprises being practiced	Agriculture, Animal Husbandry, Apiculture and Horticulture
Enlist improved technologies being adopted under different enterprises	Agriculture – Vermi composting technique Apiculture - Bee Keeping Animal Husbandry - Dairy Horticulture – Fruits and Vegetable crops
When were these improved technologies received by you (farmer) and from where?	2008-09 From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Vermiculture	70 %	Higher production and returns
2	Deworming using Albendazole	30 %	More milk yield and less incidence of disease out breaks
3	IPM	60 %	Higher yields due to effective management of pests
4	Azolla	70 %	High milk yield, low cost feed
5	Fruits and Vegetable crops	30 %	Higher yield and returns

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Technology should be easily adoptable by all the farmers through training and by experience on their own fields.
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Group discussion, Method demonstration, Field visits, Exhibitions, Demonstrations and Refinement.
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	Yes. More number of field visits should be made.
Any other comments on the KVK	Should be conducted in large area covering more number of farmers and also required budget facility to be provided.

Farmers from Non-Adopted Village

i) General information

Name and address of farmer	Parameshwaraih Salimath Post : Hosaritti, Tq: Dist: haveri
Enterprises being practiced	Agriculture
Enlist improved technologies being adopted under different enterprises	- Improved crop variety from KSDA - Application of Micronutrients - Seed treatment with Bio-fertilizers & Trichoderma - Integrated farming system
When were these improved technologies received by you (farmer) and from where?	2009 onwards till date From KVK, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Improved crop variety	80 %	Easy and Adoptable
2	Application of micronutrients	30 %	
3	Seed treatment with Bio-fertilizers and Trichoderma	30 %	
4	Azolla	75%	

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Participatory and practice oriented
Do you know the activities of KVK ? If yes, what are those activities?	Yes. Information providers, Trainings, Demonstrations, Seed production and supply
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	No
Any other comments on the KVK	No

i) General information

Name and address of farmer	2. Ravi H. Kallimani, Post : Chikkanellur, Tq: Shiggoan
Enterprises being practiced	Dairy, Fodder crops, Agriculture
Enlist improved technologies being adopted under different enterprises	Improved varieties of seeds Use of micronutrients
When were these improved technologies received by you (farmer) and from where?	2009-10 onwards From KVK & KSDA, Haveri

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Azolla	70 %	Easy and Adoptable
2	New soyabean variety	80 %	
3	Transplanted technology in Redgram	60 %	

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Farmers field school, FLD and OFTs
Do you know the activities of KVK ? If yes, what are those activities?	No
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	No
Any other comments on the KVK	-

i) General information

Name and address of farmer	3. Smt. Sudha Hitalamani, Post : Mannangi, Tq: Savanur
Enterprises being practiced	Dairy, Agriculture
Enlist improved technologies being adopted under different enterprises	Agriculture
When were these improved technologies received by you (farmer) and from where?	2010 KSDA, News papers and TV channels

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Dairy	80 %	High remuneration
2	Seed treatment	60 %	Less incidence of soil and seed borne disease

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Practical oriented
Do you know the activities of KVK ? If yes, what are those activities?	No
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	No
Any other comments on the KVK	No

i) General information

Name and address of farmer	4. Sri. Annappa H Kodler, Post Chalgeri, Tq : Ranebennur
Enterprises being practiced	Agriculture
Enlist improved technologies being adopted under different enterprises	Improved seeds
When were these improved technologies received by you (farmer) and from where?	2009 KVK, KSDA and News papers

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Vermicompost	80 %	Easy and adoptable
2	IPM in Cotton	60 %	Easy and adoptable
3	Nipping in Redgram	50 %	Increase in yield

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Practical oriented
Do you know the activities of KVK ? If yes, what are those activities?	No
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	No
Any other comments on the KVK	No

i) General information

Name and address of farmer	5. Sri. Hallappa K. Ramappanavar, At Heeladahalli Post : Belur, Tq: Ranebennur
Enterprises being practiced	Agriculture, Dairy
Enlist improved technologies being adopted under different enterprises	Improved seeds
When were these improved technologies received by you (farmer) and from where?	2009 KVK, Haveri and News papers

(ii) Enlist 10 latest technologies which have been received from the KVK to your village and furnish information on the following

Sl. No.	Name of the technology	Extent of adoption (% approximately)	Reasons for formal adoption
1	Vermicompost	60 %	Easy and adoptable
2	IPM in Cotton	60 %	Easy and adoptable
3	Nipping in Redgram	50 %	Increase in yield
4	Apiculture	65 %	Easy and adoptable

(iii) Opinion of the farmer

What should be the approach of KVK for training and better adoption of technologies in light of your experience with the technologies introduced in your village	Introduction of technologies which improves the economics Sustainable and farmer friendly
Do you know the activities of KVK ? If yes, what are those activities?	No
Do you think that roles/activities of KVK need some change? Yes/No If yes, what are your suggestions?	No
Any other comments on the KVK	No

10. Strengths and Weaknesses of the KVK (Please put √ mark)

Particulars	Strengths	Weaknesses	Suggestions to overcome the weaknesses / further improving the strengths
KVK Mandate	√	-	-
Infrastructural facilities	-	√	Water facility , Regular power supply and conveyance facility
Manpower			
Technical	√	-	-
Administrative	-	√	There is a need to have a technical person exclusively to maintain the records and prepare the reports based on the technical input provided by the scientists.
Technological backstopping by SAU	√	-	-
Human Resource Development for KVK staff	-	√	HRD programmes should be long duration and practical oriented.
Computerization and automation in KVK	√	-	-
Reporting system by KVKs w.r.t type and frequency of report being submitted	-	√	Report format should be simple, precise and which can be easily documented.
Action Plan Meeting	√	-	-
Annual Review Workshop	√	-	-
Coordination support from Zonal Project Directorate	√	-	-
Funds for implementing KVK mandated activities	√	-	-
Revolving Fund Status	-	√	Lack of water facility, irregular power supply, poor soil and non availability of sufficient labour. Provision should be made to have separate budget allocation for farm activities.
Linkage with ATMA	-	√	Budgetary provision is made mostly at the end of the financial year and it is difficult to carry out the activities.
Linkages with other Development Departments	√	-	-
E-connectivity (wherever exists)	-	√	Irregular power supply
Kisan Mobile Advisory Services	√	-	-
Others			
1. Technical assistant	-	√	There is a need to have a technical assistant to assist training programmes, library and SWTL maintenance.
2. SAC Meeting	-	√	If possible SAC meeting could be conducted once in a year.

11. Efforts and achievements made during the last five years towards up-gradation of knowledge and skills of staff of KVK i.e Human Resource Development

S. No.	Activity	No. of staff deputed					Total
		2005-06	2006-07	2007-08	2008-09	2009-10	
A	TRAINING						
	(i) National	03	09	01	03	02	18
	(ii) Zonal	00	00	01	05	04	10
	(iii) State	02	08	10	07	08	35
	(iv) District	00	00	00	00	00	00
B	Seminars/meetings						
	(i) National	03	02	00	00	01	06
	(ii) Zonal	01	00	02	00	00	03
	(iii) State	04	02	00	01	00	07
	(iv) District	00	05	04	02	01	12
C	Conferences/Workshops						
	(i) National	02	02	01	02	04	11
	(ii) Zonal	00	01	00	00	01	02
	(iii) State	00	05	06	00	02	13
	(iv) District	00	00	00	02	02	04
D	Study leave for higher education						
	(i) PG	00	00	00	00	00	00
	(ii) PhD	00	00	00	00	00	00

12. Give a brief account of technical back-up, the KVK has been getting from ICAR Institutes and SAU scientists in programme planning, execution of programmes and evaluation

Particulars	Organizations	
	ICAR Institutes / year	SAUs/ year
Monthly interaction	12	20
Half yearly interaction	02	12
Deputation for training		
(i) Within the State	10	10
(ii) Outside the State	08	05
Participation in seminar/ workshop	10	20
Monitoring by the DEE		15
Support in the form of publication of literature	08	12
SAC meetings	02	-
Any other specify		
- Action plan	01	01
- Annual Review Meeting	01	-
- Technical Meet	-	07
- Seed Production Meet	-	02

13. Enlist the publications made

(i) Research articles

Year	Name of publication
2005-06	Role of mass media in transfer of Agricultural technologies
2005-06	Stri Shakati : A novel programme to empower women through self help groups in Karnataka
2005-06	Natural farming of Coconut in northern transitional Zone of Karnataka
2005-06	Coconut Based Farming System For Sustainable Production In Non-Traditional Area – A Case Study
2005-06	Response of Tomato (<i>Lycopersicon esculentum</i> Mill) to Calcium and Boron Nutrition
2005-06	Effect of Copper Ore Tailings on Yield and Yield Attributes of Cabbage (<i>Brassica oleracea</i> var. capitata)
2005-06	Value addition and marketing of under utilized fruits- A case study
2005-06	Evaluation of Custard apple seedling progenies
2005-06	Involvement of Women in Agricultural Development in Northern Transitional Zone of Karnataka
2005-06	Value addition of papaya through processing – A case study in Karnataka
2005-06	Diversification of spice products through value addition – A case study of Kabbnur industries of Byadagi.
2005-06	Water Users Cooperative Societies for Sustainable and Profitable Agricultural Production
2005-06	Channabasappa Kombli- An Enthusiastic Jalayodha of North Karnataka
2005-06	Soil and water conservation through Sujal watershed development programme in Karnataka
2005-06	Enhancement of Irrigation potential and its efficient utilization through drip irrigation in fruit crops – A case study.
2005-06	Innovative efforts in sprinkler irrigation system – A case study in Haveri district of Karnataka.
2005-06	Quality parameters of paprika (<i>Capsicum annum</i> L.) as influenced by provinces and production practices
2005-06	Response of Paprika to location, spacing and fertilizer levels on its yield and yield attributes.
2005-06	PRA for Natural Resource Management – A critical Study in North Karnataka
2005-06	Constraints in Adoption of Water Harvesting Technologies
2005-06	Constraints in Adoption of Watershed Management Practices in North Karnataka.
2005-06	Establishment of Sustainable Mango Orchard by <i>In-situ</i> Grafting-A Boon for Small and Marginal Farmers in Rainfed Eco-system.
2005-06	Integrating Agro-horticulture and animal husbandry for the benefit of rural poor.
2005-06	Copper mine ore waste – a potential micronutrient resource for cole crops
2005-06	Integrated Farming System Means to achieve Sustainable economic returns for Small and Medium Farmers
2005-06	Standardization of inoculation techniques for <i>C.paradoxa</i> , the incitant of sugarcane sett rot.
2005-06	<i>Ceratocystis paradoxa</i> associated mycotoxin- deterring bud germination in sugarcane.
2005-06	Influence of 'C' and 'N' sources on growth and development of <i>C. paradoxa</i> a casual organism of sugarcane sett rot.

Year	Name of publication
2005-06	Isozyme pattern of peroxidase and polyphenoloxidase of isolates of <i>Ceratocystis paradoxa</i>
2005-06	Screening of sugarcane cultivars for sett rot disease of sugarcane
2005-06	Horticulture Based Integrated Farming System approach to Improve Socio-Economic Status of the Small and Marginal Farmers
2005-06	Front Line Demonstration of Onion- An Effective Extension Method for Technology Transfer
2005-06	Product Diversification of Papaya - A Case Study in Karnataka
2005-06	Integrated Farming System – means to achieve Sustainable economic returns for Small and Medium Farmers.
2005-06	IFS Demonstrations- an approach for sustainable development
2006-07	Response of Location, Spacing and Fertilizer Levels on Yield and Yield Attributes of Paprika
2006-07	Influence of Provinces and Production Practices on Quality Parameters of Paprika (<i>Capsicum annum L.</i>)
2006-07	Management of Sett rot of Sugarcane by using effective dose of bioagent <i>Trichoderma harzianum</i> and its mass multiplication
2006-07	Evaluation of Sugarcane Genotypes for their reaction against insect pests
2006-07	Integrated Management of Sett rot of Sugarcane caused by <i>Ceratocystis paradoxa</i> (De Seynes) Moreau
2006-07	Evaluation of Sugarcane genotypes for sett rot disease resistance.
2006-07	Enzymatic studies on insolation of <i>Ceratocystis paradoxa</i>
2006-07	Integrated Management of Sett rot of Sugarcane caused by <i>Ceratocystis paradoxa</i> (De seynes) Moreau
2006-07	Prevalence of sett rot of sugarcane in Northern Karnataka
2006-07	Sugarcane sett rot development as influenced by soil moisture and status of soil microflora
2006-07	Effect of pH, Temperature and Relative Humidity on Growth and Development of <i>Ceratocystis paradoxa</i>
2006-07	Influence of 'c' and 'n' sources on growth and development <i>Ceratocystis paradoxa</i>
2006-07	Evaluation of Sugarcane genotypes for resistance to pineapple disease(<i>Ceratocystis paradoxa</i>)
2006-07	Constraints in adoption of improved production technology of guava in northern Karnataka
2006-07	Utilization pattern of small millets in Haveri district of Karnataka
2006-07	Economic impact of improved production technology of small millets in Haveri district of Karnataka
2006-07	Impact of introduction of improved small millet technology in Haveri district of Karnataka
2006-07	Copper Mine Ore Waste – Rich Micronutrient Resource for Cole crops
2006-07	Sugarcane sett rot development as influenced by soil moisture and soil microflora
2006-07	survey and surveillance of important diseases of major crops of Haveri district.
2006-07	Mass multiplication of <i>Trichoderma harzianum</i> and standardization of effective dose for Management of sett rot of sugarcane
2006-07	Management of <i>Alternaria</i> leaf blight of <i>Chrysanthemum</i> caused by <i>Alternaria chrysanthemi</i>

Year	Name of publication
2006-07	Management of Yellow Vein Mosaic of Okra (Bhendi)
2006-07	Standarization of inoculation techniques for Ceratocystis paradoxa- the incitant of sugarcane sett rot
2006-07	Ceratocystis paradoxa- associated mycotoxin deterring bud germination in sugarcane
2006-07	Influence of 'C' and 'N' source on growth and development of Ceratocystis paradoxa – causal organism of sugarcane sett rot
2006-07	Management of Black rot of cabbage
2006-07	Influence of organic amendmets on Sugarcane sett rot development
2006-07	Integrated Farming System Approach-A Tool for Transfer of Technology
2006-07	Front Line Demonstrations on Onion- Participatory Approach
2006-07	Adoption of low cost technology for the management of Cotton boll worms
2006-07	Technology development and Dissemination for Arecanut rootgrub menace
2006-07	Sustainable development of farm income through farmers participation approach
2006-07	Popularization of vermicomposting – A sustainable means to refurbish soil fertilit
2006-07	Popularization of Indigenous Vegetables Through Home Based Gardening- A Means To Ensure Nutrition Among Rural People
2006-07	Promotion of Cultivation and Consumption of Indigenous Vegetables Through People Participation
2006-07	Participatory Technology Development Through On Farm Testing In Sheep Rearing.
2006-07	A Comparative Study on Cost And Returns in Layer Production of Trained and Untrained Farmers
2007-08	Evaluation of Pollen Supplement and substitute on Honey and Pollen stores of Honeybee, Apis cerana Fabricius
2007-08	Growth attributes and dry matter accumulation in cowpea as influenced by different sources and levels of phosphorus with P-solubilizer
2007-08	Evaluation of Sugarcane genotypes for resistance to pineapple disease(Ceratocystis paradoxa)
2007-08	Scenario of Sugarcane cultivation in Northern Karnataka
2007-08	Ceratocystis paradoxa associated mycotoxin – deterring bud germination in Sugarcane
2007-08	Environmental factors influencing growth and development of Ceratocystis paradoxa -A causal organism of pineapple disease of sugarcane.
2007-08	Influence of Trichoderma harzianum for the Sugarcane sett rot
2007-08	Empowerment of Women Through Dairy Training
2007-08	Role of bio intensive methods in the management of Greater waxmonth, Galleria mellonella
2007-08	Impact of Integrated Farming System Demonstrations on Small and Medium Farmers
2007-08	Impact of Front Line Demonstrations on Onion Productivity in Farmers Field
2007-08	A study on the information of consultancy pattern of Guava growers of northern Karnataka
2007-08	Income Generation Process in Animal Husbandry under SGSY Scheme for Rural Women
2007-08	Innovative Dairy Entrepreneur Farmer
2007-08	A Successful Dairy Women Entrepreneur
2007-08	Impact of Ground Water Recharge through Community Approach
2007-08	Studies on clonal variation of sugarcane varieties
2007-08	Effect of culture filtrate of colletorichum falcatum on callus growth of different sugarcane varieties

Year	Name of publication
2007-08	Value Addition and Marketing of Underutilized Fruits- A case study
2007-08	Popularization of medicinal plants through Kitchen garden
2007-08	Intercropping of Medicinal plants with fruit crop
2007-08	Management of Chrysanthemum bud worm
2007-08	Foraging Behavior of Honeybees on Sunflower
2007-08	Management of Chilli Powdery Mildew disease
2007-08	Management of Tursicum Leaf blight of Maize and transfer of technology through Front Line Demonstrations
2008-09	Productivity and economics of transparent poly ethylene for soil solarization in Groundnut (Arachis hypogaea) – bell pepper (Capsicum annum) sequence
2008-09	Influence of Pollen Supplement and food substitute on Brood rearing and foraging activity of Indian Honeybee, Apis cerana Fabricius
2008-09	Comparative Foraging behaviour of three species of Apis on Onion
2008-09	Evaluation and cost economics of IPM for pod borer in Bengal gram
2008-09	Alternate host plants of paddy ear head bug Leptocorisa oratorius
2008-09	Morphometric studies on paddy ear head bug Leptocorisa oratorius
2008-09	Influence of Organic Amendments on Sugarcane Sett Rot Development
2008-09	Eco-friendly approaches in the management of Ceratocystis paradoxa causing sett rot of Sugarcane
2008-09	Studies on Clonal variation of Sugarcane varieties
2008-09	Effect of culture filtrate of Colletotrichum falcatum on callus growth of different Sugarcane varieties
2008-09	Integrated Management of sugarcane diseases with special references to Sett rot caused by Ceratocystis paradoxa
2008-09	Bio Intensive IPM Systems against Gram Pod Borer, Helicoverpa Armigera in Pulse Crop
2008-09	Popularization of Vermicomposting –A Sustainable Means to Refurbish Soil Fertility
2008-09	Efficacy of plant extracts on greater wax moth, Galleria mellonella in honey bee colonies
2008-09	Use of Botanicals for the control of stem Rot (Fusarium Oxysporum Schlecht) Disease of Vanilla
2008-09	Management of Root Rot (Sclertium rolfsii sacc.) Disease of Venilla by using Plant Extracts
2008-09	Studies on planting methods and drip irrigation levels on growth and yield of tomato and its influence on water and fertilizer use efficiencies
2008-09	Efficacy of bio-control agents against Anthracnose of chilli caused by Colletotrichum capsici (sydow) Butler and Bisby.
2008-09	Evaluation of seed dressing fungicides for the management of Anthrocnose of chilli
2008-09	Effect of bio-control agents and their culture filtrates on phytophthora capsisi(leonian) causing fruit rot complex of black pepper
2008-09	Management of Chilli fruit borer Helicoverpa armigera
2008-09	Introduction of Chilli hybrid Arka shwetha in Mysore district
2008-09	Influence of location & production practices on total colour of paprika fruits
2008-09	Feasibility of mixed cropping of chilli and cotton in northern transitional zone of Karnataka
2008-09	Yield gap analysis of Chilli under front line demonstrations in northern transitional Zone of Karnataka
2008-09	Chilli yield improvement through front line demonstrations
2008-09	Management of Leaf Spot of Zinnia (Zinnia elegans Jacq.)
2008-09	Effect of Cercospora Zinniae Culture Filtrate (toxin) on Tomato Plants
2008-09	Per se performance of Bio-agents in the management of Sett rot of Sugarcane caused by Ceratocystis paradoxa

Year	Name of publication
2008-09	Bio efficacy of systemic and non-systemic fungicides against sett rot in sugarcane causing <i>Ceratocystis paradoxa</i>
2008-09	Eco-friendly approaches in the management of <i>Ceratocystis paradoxa</i> causing sett rot Sugarcane
2009-10	Studies on Clonal variation of Sugarcane varieties
2009-10	Effect of culture filtrate of <i>Colletotrichum falcatum</i> on callus growth of different Sugarcane varieties
2009-10	Bio Efficacy of Systemic and Non systemic fungicides against sett rot in sugarcane causing <i>Ceratocystis paradoxa</i> .
2009-10	Evaluation of New Chemical Molecules for the management of <i>Scirpophaga incertulas</i> , walker, in Aerobic rice
2009-10	Influence of weather factors on the infestation of yellow stem borer, <i>scirpophaga incertulas</i> walker in aerobic rice.
2009-10	Investigation on parasitoids, Predators and Pathogens of Greater Waxmoth <i>Galleria mellonella</i> Linnaeus on Honey bees.
2009-10	Evaluation of Bio intensive IPM module in Redgram
2009-10	Comparative Effect of Pollen Supplement and substitute on population, Growth and Development of honey bees <i>Apis cerana</i> Fab
2009-10	Occurrence of Non-insect enemies infesting honey bee colonies
2009-10	Influence of different spices of honey bee comb on the life stages and biological parameters of greaterwax moth <i>Galleria mellonella</i> L
2009-10	Rice grain damage and its impact on germination by rice earhead bug, <i>Leptocorisa oratorius</i> (Hemiptera : Alydidae) in Bhadra command Area, Shimoga Karnataka
2009-10	Monitoring of Rice earhead bug, <i>Leptocorisa oratorius</i> (Hemiptera : Alydidae) using light traps
2009-10	Economization of drip irrigation by optimizing the irrigation levels and planting methods in green chilli
2009-10	Effect of fertigation with different sources and levels of fertilizer on growth and yield of tomato
2009-10	Planting geometry: an option for economization of investment on drip system in green chilli
2009-10	Effect of Organic Amendments on the incidence of sett rot in pot culture
2009-10	Effect of Pre- sett treatment with Carbendazim and <i>Trichoderma harzianum</i> on sett rot development
2009-10	Management of purple blotch of onion
2009-10	Management of <i>Pythium</i> root rot of Papaya
2009-10	In vitro studies on sugarcane sett rot incidence in sterile and unsterile soil
2009-10	Sett rot development as influenced by different sugarcane planting materials
2009-10	Management of Leaf spot of Zinnia
2009-10	Management of Bud worm in Chrysanthemum
2009-10	Complexity of insect pests on Sarpagandha, a medicinal plant
2009-10	Influence of different species of honey bee combs on the life stages and biological parameters of greater wax moth, <i>Galleria mellonella</i> L. Ibid
2009-10	Diversity and foraging efficiency of pollinators in onion
2009-10	Foraging Activity of <i>Apis cerana</i> in onion (<i>Allium cepa</i>) crop. Ibid
2009-10	Pollen and Nectar Foraging Activity of Indian honey bee, <i>Apis cerana</i> . Ibid
2009-10	Adoption of insect pest resistance management strategies in Bt cotton in Karnataka

(ii) Books/book chapters

Year	Name of publication	Copies circulated	User group
2006-07	Success story of Sri Shivappa Basappa Hadimani (English) at Magod Tq. Ranebennur	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Success story of Sri Shivappa Basappa Hadimani (Kannada) at Magod Tq. Ranebennur	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Consultancy Services for Designing, Laying and Conducting Farming System	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Tarakari belegala uttpadane mattu koylothara tantrajyana	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde bele vicharasankiran	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Govina jola beleya sasya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ennekalu belegala sasya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Kabbina beleyalli samgra keeta mathu rogakala niravahane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Hatti beleyalli samgra keeta mathu rogakala niravahane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Uttama gunamattad mavu utpadane tantragyan mattu maratad vyavasthe	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Velyayele sudarith besaya kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Mavu sudharita basaya kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Mavu beleya adhunika utpadana tantrikategalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Bale beleya utpadana tantrikategalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Bale beleya adhunika utpadana tantrikategalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Papaya Uthpadana Thantrikathe	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Hingari Beleyalli sassya samrakshana kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Papaya Uthpadana Thantrikathe	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hingari Belegala sasya samrakshana kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Uttama gunamattad mavu utpadane tantragyan mattu maratad vyavasthe,	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Savayava krishi-ondur nota	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Dwidala Danyada Belegalali sasya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Battada Beleyalli sasya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries

Year	Name of publication	Copies circulated	User group
2009-10	Battada beleyalli sassya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Dwidala dhanya beleyelli sassya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Totagarikayalli Savayava krishi	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Bale beleya adhunika Utpadane Tantrikate	1000	Farmers / Farm women / Rural youth/ Extension functionaries
Total		27000	

(iii) Popular articles

Year	Name of publication	User group
2005-06	Badane suli mattu kayikoreyuva kitada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Balege baruva pramuka rogalu hagu kitagala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Menasinkayi beleya rogalu hagu nirvahane kramagalu	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Shevantigeya Pramukha rogal nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Tengina anabe roga niyantrana	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Tomato belegararige marakavagiruva tasphe nanjanu roga	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Arishinada berulla kanda (Raijom kole roga nirvahane)	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Karimenasina nidhana soragu roga niyantrana	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Kitta nasakavagi bevu raitara anubhava	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Shenga roga niyantrana krama	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Shenga – Ruga neyantrana kram	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde taligalu	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde beleya besaya kramagalu	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagaddeyalli Kale niyantrana	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagaddeyalli poshakanshagal neevravane	Farmers / Farm women / Rural youth/ Extension functionaries

Year	Name of publication	User group
2006-07	Ullagadde beleya mukya keetagala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde belege baruva pramukha rogakala nirvahana kramagalu	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde beleyalli sasya prachudakagala balake	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde beejotpadane	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Ullagadde maratad tondaregalu hagu nevaranopaya	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Distillery tyajyada upayoga	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Mannina pariksheindaguva prayojanagalu	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Krishiyalli samagra kale nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Sasyamula peedenashaka:Bevu	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Aster production technology	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Management of Diamond back moth of cabbage	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Tomato beleyalli kayi koreyuva hulad neeravane	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Management of Leaf eating Cater Pillar of Onion	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Shenga beleyalli kadime kharchina utpadana tantrajhana	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Mannu mattu Gobbara	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Bahupayogi dwidaladhanya belegalu.	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Hindinindalu banda antarabele paddati.	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Keetalinda bele rakshishalu bevu .	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Shega beleyalli kempu thale kambali huluvin samagra nirvahane,	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Bhattada Pramuka Keetagala nirvahane.	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Keeta nirvahanealli sasya janya keeta nashakagalla patra	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Bahu Upayogakari Lavancha.	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Jaivika gobbaragalu mattu avugala mahiti	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Shevantige (Charysanthemum)	Farmers / Farm women / Rural youth/ Extension functionaries

Year	Name of publication	User group
2007-08	Mulangi vandu utama tarakari	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Jaivik Indhanvagi Jatropa	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Manu beleya Keetagalu hagu avugala nirvahane,	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Mavu beleya Keetagalu hagu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Savayava thotagarikayalli roga nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Veelyedele Badu roga / Soragu rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Thogari Beleyalli sidi rogada nirvahane,	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Sooryakanthi nanjanu (Necrosis) rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Bhendi Beleya pramuka rogagalu mattu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Thotagarike sasi madigalige Baruva keetagalu hagu nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Shenga beleya Kudisayuva nanjanu mattu yele chukke rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hatti beleya rasa heeruva keetagala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hatti beleya pramuka rogagala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hattiyalli yele kempaguvikege karana mattu nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hesaru beleyalli muthi huluvinu nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Menasina kayige baruva pramuka keetagalu mattu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Yelekosinalli dundanu kappu kole rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Soya avareyalli yele thinnuva keetagala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Tomato Belege badisuva pramuka keetagalu mattu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Menasina kayi beleya rogagalu hagu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Bathada kandu jigi hulu mattu nirvahana kramagalu	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Tomato yele chukke, yele murutu rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Bale beleyalli sigatoka yele chukke rogada nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Adike beru huluvinu nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries

Year	Name of publication	User group
2008-09	Soorya kanthiyalli kappu tale kambali huluvinu nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Uses of Chemical mulch (polyacrylamide) in Agriculture	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Ill effects of chemical fertilizers and pesticides, usage in agriculture and strategies to overcome	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Dasthanu keetagalu mattu avugala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Savayava krishiyalli rogakala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Savayava krishiyalli rogakala nirvahane	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Hatti Beleyalli yele kempu rogak nirvahan	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Chinnada kyathiya hatti belege hattu kuttagalu – mirid bug	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Arogyadayaka Anabe	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Mirid thigane: Hathiya rasa heeruva pramuka nuthana keeta badheya samasye mattu parihara	Farmers / Farm women / Rural youth/ Extension functionaries
Total		

(iv) Technical bulletins

Year	Name of publication	Copies circulated	User group
2006-07	Hoovugala sudarith besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Pushpagala sudarith besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Mavu - sudarith besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
Total		3000	

(v) Extension literature like leaflets, pamphlets, folders, newsletters etc.

Year	Name of publication	Copies circulated	User group
2005-06	Raitar Kalpavruksha- Honge	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Krishi Aranyakkagi – Teak	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Jaivik Indhankkagi – Jatropha	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Hasirele Gobbarakkagi – Glyrisidia	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Improved cultivation practices for Chrysanthemum	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Improved cultivation practices for Aster	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	Improved cultivation practices for Onion	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	People's participation in watershed development	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	KVK News Letter (E)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	KVK News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2005-06	KVK News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Tarakari beejatpodanayali Jenu sakaneke	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Shade net in Horticulture Nursery	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Mavu – Phasalu samrakshana kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Menasinakai beleya sudharit besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Hatti beleya rasa heeruva keetagala nirvane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2006-07	Hasiru maneyalli tarakari besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries

2007-08	Yerehula gobbara	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Krishi Uttapadaneyalli Jenu nonagala patra	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Suryakanti beleya sasya samrakshane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Raitara sanjeevini Krishi Vigyana Kendra, Hanuman	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	In-situ Mango grafting	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2007-08	Trichodrama-Bio control agent	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	KVK, News Letter (K)	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hathiya Sampradayika Keeta peedegalalu.	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hathiya keetagalalli keetanashaka nirodhaka shakthiya nirvahana kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hatti Beleya Pramuka rogagalue hagu avugala nirvahane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hattiyalli yele kempaguvike : karanagalu mattu nirvahane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Hutti Beleya Rogagalu, laxnagalu hagu nirvahane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2008-09	Pashu Arogya mattu rogagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	KVK news letter-April-June	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Mannu pareekshe mattu adara mahathva	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Baragu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Navane	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Hirigunada kirikalalu save	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Kirudhanya belegala aadhunika besaya kramagalu	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Soya Avare Sudharitha Besaya	1000	Farmers / Farm women / Rural youth/ Extension functionaries
2009-10	Hesaru Beleya Uthpadana Thantrikathe	1000	Farmers / Farm women / Rural youth/ Extension functionaries

14. Whether the KVK has E-connectivity facility?

YES

Year of establishment	Programmes undertaken	User group exposed	Feed-back
2010-11	KVK ERNET hub Seminar presentation	Scientists	Hlepful in updating the knowledge

15. Whether the KVK has its own website? YES

Year of creation	Content	User hits count	Feed-back
2008-09	Home Page About KVK Haveri District Profile Scientists information Infrastructure Thrust area Core Activities SWTL Sales for seed & seedlings Publications KVK, Reports IFS Success Stories Photo Gallery Training Programme Web links Agri Doctor Agromet Advisory Service of Haveri district	-	-

The screenshot displays the website for the University of Agricultural Sciences, Dharwad, Krishi Vigyan Kendra, Haveri. The page features a navigation menu on the left with links to Home, About KVK, Haveri District Profile, Scientists, Infrastructure, Thrust area, Core Activities, Soil, Water & plant testing Lab, Sales for seed & seedlings, Publications, KVK, Reports, IFS, Success Stories, Photo Gallery, and Training Programme. The main content area includes a banner with agricultural images and a contact information section. The contact information is as follows:

Contact Information:
Telephone : 91-8373-253524 **Fax :** 91-8373-253524
Postal Address: The Programme Co-ordinator
 Krishi Vigyan Kendra

16. Status of Revolving Fund (Rs. in lakh)

(a) Balance as on March 2010

ICAR Revolving Fund:

Year	Amount received	Additional amount generated	Amount refunded to ICAR	Whether refunded as per schedule	Net balance
2005-06 (05.01.06)	1.00	0.31	-	-	1.31
2006-07	-	0.58	-	-	1.89
2007-08	-	-0.13	-	-	1.76
2008-09	-	1.20	-	-	2.96
2009-10	-	1.23	-	-	4.19
Total	-	3.19	-	-	4.19

(b) Purpose and results

Year	Purpose	Results
2005-06	Supply of quality planting materials	Good
2006-07	Supply of quality planting materials	Good
2007-08	Supply of seed materials	Good
2008-09	Supply of seed materials	Good
2009-10	Supply of seed materials	Good

Training Revolving Fund:

Year	Amount received	Additional amount generated	Amount refunded to ICAR	Whether refunded as per schedule	Net balance
2005-06	1.35	0.22	-	-	1.57
2006-07	-	-0.28	-	-	1.29
2007-08	-	3.14	-	-	4.43
2008-09	-	-0.37	-	-	4.06
2009-10	-	0.85	-	-	4.91
Total	-	3.56	-	-	4.91

17. What type of linkages your KVK has with different organizations including NGOs?

Sl. No.	Name of the organization	Nature of linkage
1.	State Dept. of Agriculture	Training programmes, diagnostic survey , meetings, seminars and field days.
2.	State Dept. of Horticulture	Training programmes, diagnostic survey , meetings, seminars and field days.
3.	Rural Development Institutes (Zilla & Taluk Panchayats)	Training programmes, diagnostic survey , meetings, seminars and field days.
4.	State Dept. of Animal husbandry & Veterinary Services	Training programmes, diagnostic survey , meetings, seminars and field days.
5.	Karnataka Milk Federation	Training programmes.
6.	Women and Child Development Department	Training programmes.
7.	Karnataka Oil Seeds Federation	Supply of inputs
8.	NABARD, Vijaya Bank, State Bank of India, M.G. Bank and Syndicate Bank.	Meeting, training programmes and promotion of TTC, SHG finance
9.	Bharath Agro Industries Foundation, Haveri	Taining programmes
10.	GRASIM Janakalyan Trust, Kumar Pattanum	Training programmes.
11.	Sheep and Wool Development Board	Trainings.
12.	State Dept. of Watershed	Training programmes, IFS Demonstration, Seminars and Field days.
13.	JSYS	Training programmes, Demonstration, Seminars and Field days.
14.	National Horticultural Research and Development Federation	Implementation and participation in meeting/taining programme
15.	Spice Board	Implementation and participation in meeting/taining programme
16.	Different private firms dealing with Medicinal and Aromatic crops	Training Programmes
17.	IIHR, Bangalore	Technical consultancy
18.	NGO's	Implementation and participation in meeting.
19.	Mahila Mandals and Youth Clubs	Implementation and participation in meeting.
20.	Sugar Factories	Diagnostic survey and participation in meeting
21.	Karnataka Sugar Institute, Belgaum	Diagnostic survey and participation in meeting/ Training
22.	Successful Entrepreneurs	Training Programme/ Technical Advice
23.	Vijaya Bank Sponsored Employment Training Institute	Implementation participation in meeting and conducting in Training Programme.
24.	University of Agricultural Sciences, Dharwad	Technical Resource / Guidance
25.	Agriculture Research Station	Technical Resource and exposure visits
26.	Karnataka state forest department	Diagnostic survey, meetings, trainings, participation in VANAMAHOTSAVA etc.,
27.	District statistical department	Statistical data collection

18. Please give details of involvement of the KVK in the following Govt. or other programmes

(i) Type of KVK involvement in RKVY programme

Type of intervention	Nature of linkage	Results
Technical know how on agril and allied subjects	Installation of KIOSK	Farmers are using KIOSK like ATM of knowledge.

(ii) Type of KVK involvement with wasteland development

Type of intervention	Nature of linkage	Results
Technical knowledge	Formation of farm pond and grass lands	Irrigation in dryland areas

(iii) Type of KVK involvement with horticultural development

Type of intervention	Nature of linkage	Results
Cultivation aspect of different vegetables and flowers	Nutritional garden and cut flower market	Nutritional security and regular additional income.

(iv) Type of KVK involvement with animal health camp:

Involved in conducting Animal health camp, vaccination camps along with department of animal husbandry and NGO's.

(v) Type of KVK involvement with consultancy on land use planning and cropping patterns - Nil

(vi) Type of KVK involvement with consultancy on soil analysis and topographic survey

Type of intervention	Nature of linkage	Results
Awareness campaign, method demonstration	Advisory service through phone and in person	Awareness of soil testing for proper nutrition

(vii) Type of KVK involvement with ATMA

Type of intervention	Nature of linkage	Results
Research and training	On farm testing of different technologies, organization of farmer field schools and capacity building through different training programmes	Farmers are convinced about the new technologies demonstrated and trained.

(viii) Type of KVK involvement with SHM/NHM – Nil

(ix) Type of KVK involvement with other agencies (specify name) – Nil

19. Scientific Advisory Committee Meetings (SAC) conducted

Year	Dates	Chaired by	No. of members attended	No. of special invitees, if any
2005-06	10.11.2005	DE, UAS, Dharwad	22	-
2006-07	06.10.2006	DE, UAS, Dharwad	24	-
2007-08	06.08.2007	DE, UAS, Dharwad	21	-
2008-09	24.07.2008	DE, UAS, Dharwad	20	-
	19.02.2009	VC, UAS, Dharwad	21	-
Total			108	

20. What are the major constraints in implementing the mandated activities of the KVK and what are your suggestions to overcome them?

(a) Constraints with respect to KVK functioning

a) Administrative: Nil

b) Financial :

- Budget and Revised budget should be sanctioned well in advance so that it helps in timely implementation of KVK mandates and purchase of NRC items.

c) Technical:

- Field assistants are required to look after the seed production activities, nursery development lab activities and also to look after the farmers hostel

(b) Constraints with respect to professional growth of KVK staff:

- Lack of long duration trainings for the staff .
- Less recognition to the extension work in the SAU setup.
- Less chances of getting exposed to carrier buildup

21. Please give your suggestions on the following points which may change the agricultural scenario of the KVK district

- Human resource development
 - Trained facilitators at cluster level
 - Advanced training programmes for technical staff
- Market-driven entrepreneurship development
 - Formation of commodity groups/farmer clubs
 - Linking commodity groups with small scale industries
- Providing district-level farming situation-based technology
 - Frequent meetings with line departments before taking up action plan
- Service-centre for the farmers, including soil and water testing facilities and diagnostic service for plant and livestock
 - Conducting rapid SWTL campaigns during summer
 - Facility to send the SWTL reports through post or through cluster level farmer facilitators
- Information and communication technology, etc.
 - Encouraging the group of farmers to utilize the service of short messages
 - Subscribing the farmers for leading local agricultural magazines and tv channels

22. Attach your approved Action plan for 2009-10 and indicate how was it formulated and finalized. Attach the minutes of SAC on the proposed Action plan.

PROCEEDINGS OF THE ACTION PLAN MEETING 2009-10

Technology Assessment

S. No	Crop	Technology to be assessed	No. of trials	Technology Options				Total budget (Rs.)	Parameters to be recorded
				1	2	3	4		
1	Brinjal	Management of shoot and fruit borer	5	Mixture of minimum two insecticides every spray Yield loss: 25%	Carbaryl (2g/lit)- 4 sprays	Carbosulfan (2.0 ml / l)	-	1030	<ul style="list-style-type: none"> • % Pest Incidence • Yield • Economics
2	Onion	Thrips management	5	Dimethoate (1.75 ml/lit – Two spray)	Dimethoate (1.75 ml / l)	λ- cyhalothrin (0.5ml / l)	-	770	<ul style="list-style-type: none"> • % Pest Incidence • Yield • Economics
3	Cotton.	Assessment of the efficacy of <i>Verticillium lecanii</i> and <i>Beauveria bassiana</i> as an alternative in managing sucking pests of cotton.	5	Spray of monocrotophos @ 1ml/lit or imidacloprid @ 0.5 ml/lit or metasystox @ 1ml/lit or phosphamidon @ 0.5ml/lit	Spray of imidacloprid @ 0.5 ml/lit or phosphamidon @ 0.5 ml/lit	Foliar spray of <i>V. lecanii</i> @ 2 ml/lit based on ETL two times	-	1215	<ul style="list-style-type: none"> • Pest count • Yield • Economics
4	Onion	Assessment of onion variety Agri found dark red over Arka Kalyan	05	Local / Nasik Red	Araka kalyan	Agri found Dark red	-	9000	<ul style="list-style-type: none"> • Yield • Economics • Quality
5	Cabbage	Weed Management	03	Inter cultivation (3 times) + HW (3 times) alternatively at weekly intervals	Pre emergent spray of Alachlor (1.5 kg a.i. /ha) or Butachlor (1.5 kg a.i. /ha)	Spray of Oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 inter cultivation + 1 hand weeding	-	16200	<ul style="list-style-type: none"> • Weed count • Yield • Economics

S.No	Crop	Technology to be assessed	No. of trials	Technology Options				Total budget (Rs.)	Parameters to be recorded
				1	2	3	4		
6	Brinjal	Assessment of crop geometry	05	55 X 45 cm	75 X 60 cm	90 X 60 cm	-	12000	<ul style="list-style-type: none"> • Yield • Yield Attributes • Economics
7	Sunflow	Management of powdery mildew	06	Wettable sulphur Mancozeb	Spraying of Carbendazim @ 1 gm/lit	Spraying of Difenconazole @ 1 ml/lit	-	9300	<ul style="list-style-type: none"> • Disease incidence • Yield • Economics
8	Groundnut	Management of Collar rot	05	Capton @ 2.5g/kg	ST with <i>Trichoderma</i> @ 4g/kg.	ST with <i>Pseudomonas flouroscense</i> @4g/kg seeds & soil treatment with <i>Pseudomonas</i> @ 2.5kg & neemcake @ 2.5q with FYM 5 tons/ha.	-	3050	<ul style="list-style-type: none"> • Disease incidence • Yield • Economics
							Total	60,565	

II. Technology Refinement : Nil

Total budget for Technology Assessment and Refinement: Rs. 60,565/-

Front Line Demonstrations

S. No	Crop / Enterprise	Technology to be demonstrated	No. of demo.	Area in ha. / No. of units	Details of Critical inputs		Total budget (Rs.)	Parameters to be recorded
					Name & Quantity (kg/ha)	Cost (Rs./ha)		
A. Other than Oilseeds , Pulses & Cotton								
1	Use of Groundnut stripper	06	Beating against harrow blade (30-40%) & manual	Manual stripping of groundnut ²	Use of groundnut stripper	-	24000	<ul style="list-style-type: none"> • Time saved • Quantity stripped / hr • Labour use efficiency
2	Little millet	Integrated crop management in Little millet variety Sukshema	15	10	Seeds (3.75 kg)	56.25	2062	<ul style="list-style-type: none"> • Yield • Yield attributes • Economics
					Soil analysis	150		
3	Foxtail millet	<ul style="list-style-type: none"> • Introduction of HMT-100-1 RDF -30:15:15 NPK kg /ha 	15	10	Seeds (5 kg)	75	2250	<ul style="list-style-type: none"> • Yield • Yield attributes • Economics
					Soil analysis	150		
4	Maize	<ul style="list-style-type: none"> • Varietal demonstration of Arjun and Soil application of FeSO₄ + ZnSO₄ (@ 25 kg/ha) with 50 kg Vermi compost/ha as basal dose 	05	12	Seeds -23 kg	575	11750	<ul style="list-style-type: none"> • Yield • Yield attributes • Economics
					FeSO ₄ - 25kg	625		
					ZnSO ₄ - 25kg	1000		
					Soil analysis	150		
					Bee boxes	800		
					Bees	800		
					Stand	400		
					Smoker	100		
					Wax sheets	100		
Soil Analysis	150							
5	Chilli	<ul style="list-style-type: none"> • Seed treatment with imidacloprid (10gm/kg) • Marigold trap crop • Vermicompost application • Neem cake application 	12	05	Vermicompost (2500)	10000	22,250	<ul style="list-style-type: none"> • % Pest incidence • Yield • Economics
					Imidacloprid (250ml/ha)	300		
					Neem cake(250)	1500		
					Neemasal (2 lt/ha)	1500		
					Profenophos (2 lt/ha)	500		
					Interprid (1lt/ha)	650		
					Soil analysis	150		
6	Onion	<ul style="list-style-type: none"> • Introduction of high yielding onion variety Arka kalyan • Barrier crop with maize 	10	10	Onion Seeds (7.5)	3375	8,750	<ul style="list-style-type: none"> • Yield • Yield attributes • Economics
					Soil analysis	150		

S. No	Crop / Enterprise	Technology to be demonstrated	No. of demo.	Area in ha. / No. of units	Details of Critical inputs		Total budget (Rs.)	Parameters to be recorded
					Name & Quantity (kg/ha)	Cost (Rs./ha)		
7	Tomato	<ul style="list-style-type: none"> Introduction of HYV DMT-2 in tomato Barrier crop with maize Seedlings production in protected (40 mesh nylon net) condition Spraying of Dimethoate 30EC @ 1.7 ml at 30 DAT & Phospomidan 85WSC @ 0.5ml at 45 DAT, Spraying of Chamak (0.2% Boron + 2% calcium) @ 4g/l at 40 & 60 DAT	10	06	Seeds (0.500)	600	5,500	<ul style="list-style-type: none"> Yield Yield attributes Economics % Pest incidence Yield Economics
					Soil analysis	150		
					40 mesh nylon net -100 m2	5,000		
					Seeds-0.375g	600		
					Dimethoate 30 EC 1ltr	350		
					Phospamidon 85 WSC 0.5 ltr	150		
					Chamak 4 kg	1600		
8	Dry Chilli	Popularization of purified Byadagi Kaddi / Dabbi Chilli variety	15	10	Seeds (1.250)	600	7500	<ul style="list-style-type: none"> Yield Yield attributes Economics
					Soil analysis	150		
					Soil analysis	150		
9	Aster	Introduction of Aster variety (Kamini/ Phule Ganesh purple)	15	06	Seeds(0.750)	3000	15000	<ul style="list-style-type: none"> Yield Quality Economics
					Soil analysis	150		
					Carboryl (2 kg/plant)	800		
					Nimbidine (2 lit/plant)	600		
					Triademefon 50 WP – 1kg	2400		
					Hexaconazole 5 EC – 1ltr	600		
					Cytozyme (2 lit/plant)	400		
					MangoSpecial(2lit/plant)	400		
					Multiplex (2 lit)	400		
Soil analysis	150							
						Total (A)	81,062	

Total budget for Front Line Demonstration: Rs. 81,062/-

SUMMARY OF TARGETS SET FOR 2009-10

S. No	Particulars of intervention	Particulars
	On farm Testing	08
	Front Line Demonstration	09
01 Training Programmes	Farmers and farm women No. of courses	109
	No. of farmers (30 / course)	3270
	Rural Youth	
	No. of courses	26
	No. of farmers (30 / course)	780
	Extension personnel	
	No. of courses	24
	No. of farmers (30 / course)	720
02	Extension Programmes	3078
03	Production and supply of seeds, planting materials, livestock and bio-products	
	Seeds (Qtl.)	60
	Planting materials (Number)	10000
	Livestock (Number)	00
	Bio-products (Qtl.)	15
04	Diagnostic services	
	Soil samples (Number)	400
	Water samples (Number)	300
	Plant samples (Number)	
05	Title of technology modules to be prepared in e-linkage	01
	Database	10
	Resource inventory of the District, Farmers Database	
06	Title of Farmers Field School	Integrated Crop Management in chilli
	Budget for FFS	Rs.25000

Proceedings of 31st scientific advisory committee held on 19th February 2009

- 1) Director of extension suggested to conduct demonstrations on need based technologies in farmers fields (KVK Scientists)
- 2) Director of extension suggested to compare transplanting method of (pigeon pea) with sowing and seed dibbling methods through field demonstration (SMS,Agronomy)
- 3) Director of extension suggested to conduct demonstration on pigeon pea, minor millets intercropping as this system is more prevalent in farming community. (SMS,Agronomy)
- 4) Director of extension suggested to brief with statistical data impact of trainings (Programme Coordinator)
- 5) Director of extension suggested to increase the KVKs revolving fund through production and sale of bio-pesticides viz., Trichoderma, Pseudomonas etc.(SMS, Plant Protection)
- 6) Director of extension suggested to increase the production of vermicompost and seedlings of horticulture crops also to take up conduct seed production (KVK Scientists)
- 7) Zonal project director suggested to mention the fertilizer recommendation along with the soil and water test results (Programme coordinator)
- 8) Director of Extension suggested Sri. F.M. Durgannavar, Farm Superintendent to collect the over all expenditure in getting irrigation facility from Upper Tunga Canal to ARS/KVK, Hanumanamatti.
- 9) Hon'ble Vice chancellor suggested to reserve the KVK totally for production of minor millets. Zonal Project director told to give priority for minor millet production. (SMS, Agronomy)
- 10) Dr. Y.B. Palled, Head, ARS, Hanumanamatti, brought to the notice of KVK Staff about the drastic decrease in the area under minor millet cultivation and change in people's food habit (Programme Coordinator)
- 11) Zonal Project director suggested preparing a project on information communication technology (ICT), (Programme coordinator)
- 12) Deputy Director of Horticulture, Haveri suggested to conduct demonstrations on Kakada Jasmine, local varieties grown in Savanur taluka (SMS, Horticulture)
- 13) Suggested to consider market rate after grading the produce while presenting the front line results. (SMS)

23. SWPTL

a) Do you have soil testing facility in KVK? If yes, when was it established?

Year of establishment : 01.04.2005

b) What kind of equipments/apparatus are available for soil testing?

Sl. No.	Name of Equipments
1.	Electronics weighing scale with battery Back up, (Physical Balance)
2.	Electronic Weighing Machine
3.	Elico Microprocessor based pH Analyser.
	Accessories
	Combined Electrode type CL 51B for pH Meter Model : LI612
4.	Elico Microprocessor based EC TDS Analyser with CC-03B and ATC Probe.
	Accessories
	Conductivity cell
5.	Elico Microprocessor based Flame photometer (SS),
	Accessories
	Calcium filter
6.	Elico Microprocessor based Scanning Visible Spectro photometer. Model : SL 177
	Accessories
	Software and interfacing accessories for Spectrophotometer 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
	Accessories
	Spare Silica Heater for Double Distillation Water Still (Glass) Cap: 2 ltr/hr (One set –Two Nos. for Boiler I & II)
8.	Double Distillation water still (Quartz)4 L./hr. Silica Sheathed heater, CAP:4 L/hr.
	Accessories
	Spare Silica Heater for Double Distillation Water Still (Quartz) Cap:4 L/hr (One set –Two Nos. for Boiler I & II)
9.	Water softner
10.	Shaking Machine
11.	Voltas Make 220 L. Capacity Refrigerator
	V-Guard Make 500 VA Stabilizer
	Refrigerator Stand
12.	Microprocessor based Block Digestion system
	Microprocessor based Automatic Nitrogen Distillation system
	Accessories
	Electronic Acid Neutralizer Scrubber. Model: KEL VAC.
	S S Insert Rack. Model: KES 06 L.
	Exhaust Manifold System with Teflon Adaptors. Model: KES 06 LEM.
	Viton Tube for Triacid and Diacid Digestion. Model: KES VT.
13.	Hot air oven
14.	Hot plate
15.	Grinder
16.	Water Softener "Bhanu" Make Aqua Soft water softener (Model: AS- 600)
17.	Post Hole Augar Head Size: 3"

18.	Screw type Augar Head size :1.5 "
19.	Sieve Brass Frame
20.	Laboratory wares
	Laboratory tables
	Slotted angular iron racks
	Steel cabinet
	Wash basin
	Exhaust fan
	Laboratory racks
	Water tap with swan neck
21.	Gas burner
22.	Laboratory stools
23.	Laboratory Chemicals
24.	Glassware

c) How many soil samples were tested so far. Give year-wise details.

Details of samples analyzed during 2005-06 :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	32	32	20	1600
Water Samples	21	21	15	1050
Total	53	53	35	2650

Details of samples analyzed during 2006-07 :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	07	07	05	350.00
Water Samples	07	07	05	350.00
Total	14	14	10	700.00

Details of samples analyzed during 2007-08 :

Details	No. of Samples analysed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	87	87	60	4350.00
Water Samples	87	87	60	4350.00
Total	174	174	120	8700.00

Details of samples analyzed during 2008-09 :

Details	No. of Samples analysed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	208	208	97	10400.00
Water Samples	212	212	101	10600.00
Total	420	420	198	21000.00

Details of samples analyzed during 2009-10 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	152	152	25	7600.00
Water Samples	148	148	38	7400.00
Total	300	300	63	15000.00

Details of samples analyzed so far since establishment of SWTL (2005-06 to 2009-10):

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	486	486	207	24300.00
Water Samples	475	475	219	23750.00
Total	961	961	426	48050.00

- d) Do you also provide recommendations/suggestions to farmers along with soil test results? Attach a sample copy of 'Report' given to the farmers.



**ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಹನುಮನಮಟ್ಟಿ
(ಮಣ್ಣು, ಸಸ್ಯ ಮತ್ತು ನೀರು ಪರೀಕ್ಷಾ ಪ್ರಯೋಗಾಲಯ)**

ದೂರವಾಣಿ ಸಂ. 08373 253524

ಮೊಬೈಲ್ ಸಂ. 9448495338

ಸಂ : ಕೃ.ವಿ.ಕೇ/ಹ.ಮಟ್ಟಿ/ಮನಸಿ/

/2011-12

ದಿನಾಂಕ :

ನೀರಾವರಿ ನೀರಿನ ಗುಣಮಟ್ಟದ ಫಲಿತಾಂಶ ವರದಿ

ಸಾಮಾನ್ಯ ಮಾಹಿತಿ	ಪ್ರಯೋಗಾಲಯದ ಮಾದರಿ ಸಂಖ್ಯೆ :		
ರೈತನ ಹೆಸರು :	ಗ್ರಾಮ :		
ಹೋಬಳಿ/ ರೈತ ಸಂಪರ್ಕ ಕೇಂದ್ರ :	ತಾಲ್ಲೂಕು :		
ಮಾದರಿಯ ವಿವರ			
ಇಬೀನಿನ ಸರ್ವೆ ನಂ		ಮಣ್ಣಿನ ಜಾತಿಯ ಲಕ್ಷಣ	ಕಷ್ಟ / ಕೆಂಪು/ ಮಳಜಿ
ನೀರಾವರಿ ಮೂಲ	ಕೊಳವೆ ಬಾವಿ/ ತೆರೆದ ಬಾವಿ/ ಕಾಲುವೆ/ ನದಿ/ ಕೆರೆ/ ಇತರೆ	ನೀರಾವರಿ ಆಗುವ ವಿಸ್ತೀರ್ಣ (ಎಕರೆಗಳಲ್ಲಿ)	
ವಿಶ್ಲೇಷಣಾ ವರದಿ	ಸಾಮಾನ್ಯ ವರ್ಗ	ಪ್ರಮಾಣ	ಶರಾ
ರಸಸಾರ (pH)	6.0 – 7.5		
ಲವಣಾಂಶ (EC) (ಡೆಸಿ ನೈಮನ್ಸ್/ಖು.)	< 0.75		
ಉಚಿತಿಯ ಸೋಡಿಯಂ ಕಾರ್ಬೋನೇಟ್ (RSC) (ಖು.ಇ/ಅಲ)	< 2.5		
ಸೋಡಿಯಂ ಮಂದಗಟ್ಟುವ ಪರಿಮಾಣ (SAR)	< 10		
ನೀರಾವರಿ ಗುಣಮಟ್ಟದ ವರ್ಗ	ಉತ್ತಮ ನೀರು/ ಮಧ್ಯಮ - ಸವಳು ನೀರು/ ಸವಳು ನೀರು/ ಹೆಚ್ಚು ಸವಳು/ ಮಧ್ಯಮ ಕ್ಷಾರ ನೀರು/ ಕ್ಷಾರ ನೀರು/ ಹೆಚ್ಚು ಕ್ಷಾರ ನೀರು		
ಸಲಹೆ :			
1. ಈ ನೀರನ್ನು ನೀರಾವರಿಗೆ ನಿರಾತಂಕವಾಗಿ ಬಳಸಬಹುದು			
2. ಈ ನೀರನ್ನು ಈ ಕೆಳಗಿನ ಕ್ರಮಗಳನ್ನು ಅನುಸರಿಸಿ ನೀರಾವರಿಗೆ ಉಪಯೋಗಿಸಬಹುದು.			
➤ ನೀರು ಹಾಂಟಸುವ ಮುನ್ನ ಭೂಮಿಗೆ ಜಪ್ಪಂ ಬಳಸಿ			
➤ ಹೆಚ್ಚಾದ ನೀರು ಹೊರ ಹಾಕಲು ಬಿಸಿಗಾಲು ವೆ ಮಾಡಬೇಕು			
➤ ಲವಣ ಸಹಿಷ್ಣುತಾ ಬೆಳೆಗಳಾದ ಗೋಧಿ, ಮೆಕ್ಕೆಹೋಳ, ಸಜ್ಜೆ, ಕುಸುಬೆ, ಕಬ್ಬು, ಹತ್ತಿ, ತೆಂಗು ಮತ್ತು ಪೇರಲ ಬೆಳೆಗಳನ್ನು ಬೆಳೆಯಬಹುದು			
➤ ಕಾಂಪೋಸ್ಟ್/ ಹಸಿರೆಲೆ ಗೊಬ್ಬರ ಹೇರಳ ಬಳಕೆ ಮಾಡಬೇಕು			
3. ಈ ನೀರು ನೀರಾವರಿಗೆ ಯೋಗ್ಯವಿಲ್ಲ			
ಭೂಮಿಗೆ ನೀರು ಉಪಯೋಗಿಸುವ ಮುನ್ನ ನೀರು ಪರೀಕ್ಷಿಸಿ ಮಿತವಾಗಿ ಬಳಸಿ ಉತ್ತಮ ಇಳುವರಿ ಪಡೆಯಲಿ			

ಸೂಚನೆ : ಈ ಪ್ರಮಾಣ ಪತ್ರ ಸಂಬಂಧಿಸಿದ ಸಲಹೆಗಾಗಿ ಮಾತ್ರ ಇನ್ನಿತರ ಯಾವುದೇ ಕಛೇರಿ ಕೆಲಸ - ಕಾರ್ಯಗಳಿಗೆ
ಅನ್ವಯಿಸುವುದಿಲ್ಲ.

ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಕರು

ವಿಷಯ ತಜ್ಞರು (ಮಣ್ಣು ವಿಜ್ಞಾನ)



ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಹನುಮನಮಟ್ಟಿ
(ಮಣ್ಣು, ಸಸ್ಯ ಮತ್ತು ನೀರು ಪರೀಕ್ಷಾ ಪ್ರಯೋಗಾಲಯ)

ದೂರವಾಣಿ ಸಂ. 08373 253524

ಮೊಬೈಲ್ ಸಂ. 9448495338

ಸಂ : ಕೃ.ವಿ.ಕೇ/ಹ.ಮಣ್ಣು/ಮನಸಿ/

/2011-12

ದಿನಾಂಕ :

ಮಣ್ಣು ಪರೀಕ್ಷೆ ಫಲಿತಾಂಶ ವರದಿ

ಸಾಮಾನ್ಯ ಮಾಹಿತಿ		ಪ್ರಯೋಗಾಲಯದ ಮಾದರಿ ಸಂಖ್ಯೆ :			
ರೈತನ ಹೆಸರು :		ಗ್ರಾಮ :			
ಹೋಬಳಿ/ ರೈತ ಸಂಪರ್ಕ ಕೇಂದ್ರ :		ತಾಲ್ಲೂಕು :			
ಮಾದರಿಯ ವಿವರ :					
ಜಮೀನಿನ ಸರ್ವೆ ನಂ :		ಮಣ್ಣಿನ ಜಾತಿಯ ಲಕ್ಷಣ		ಕೆಂಪು/ ಕಪ್ಪು/ ಜಿಳಿ	
ಸಾಗುವಳಿ	ಖುಷ್ಕಿ/ ನೀರಾವರಿ	ಜಮೀನಿನ ಆಳ		ಆಳ/ ಮಧ್ಯಮ ಆಳ/ ಕಿಲಿ	
ಸಂಗ್ರಹಣೆ ಉದ್ದೇಶಿತ ಬೆಳೆ ಮತ್ತು ತಳಿ		ನೀರಾವರಿ ಮೂಲ		ಕೊಳವೆ ಬಾವಿ/ ತೆರೆದ ಬಾವಿ/ಕಾಲುವೆ/ ನದಿ/ ಕೆರೆ/ ಇತರೆ	
ವಿಶ್ಲೇಷಣೆ ವರದಿ	ಫಲಿತಾಂಶ ವಿಂಗಡಣೆ			ಪ್ರಮಾಣ	ಶರಾ
ರಸಸಾರ (pH)	ಕುಳಿ (<6.3)	ತಟಸ್ಥ (6.3 - 8.3)	ಕ್ಷಾರ (>8.3)		
ಲವಣಾಂಶ (EC) (ಡಿಸಿ ಸೈಮನ್ಸ್/ಖೀ.)	ಸಾಮಾನ್ಯ (<1.0)	ಅಪಾಯಕಾರಿ (1-2)	ಹಾನಿಕಾರಿ (>2.0)		
ದೊರೆಯುವ ಸಾರಜನಕ (N) (ಕೆ.ಜಿ/ ಎಕರೆ)	ಕಡಿಮೆ (<112)	ಮಧ್ಯಮ (112-224)	ಅಧಿಕ (>224)		
ದೊರೆಯುವ ರಂಜಕ (P ₂ O ₅) (ಕೆ.ಜಿ/ ಎಕರೆ)	ಕಡಿಮೆ (<9)	ಮಧ್ಯಮ (9-23)	ಅಧಿಕ (>23)		
ದೊರೆಯುವ ಪೋಷ್ಯಾಶಿಯಂ (K ₂ O) (ಕೆ.ಜಿ/ ಎಕರೆ)	ಕಡಿಮೆ (<56)	ಮಧ್ಯಮ (56-134)	ಅಧಿಕ (>134)		
ರಸ ಗೊಬ್ಬರಗಳ ಶಿಫಾರಸ್ಸು					
ಅಧಿಕ ಇಳುವರಿಗೆ ಅಧುನಿಕ ಬೇಸಾಯ ಕ್ರಮಗಳು ಕೈಗೊಳ್ಳಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿರುವ ಪೋಷಕಾಂಶಗಳ ಪ್ರಮಾಣ (ಕಿ.ಗ್ರಾ/ ಎಕರೆಗೆ)		ಮಣ್ಣಿನ ಫಲವತ್ತತೆಯ ಸಾರ ಕಡಿಮೆ ಅಥವಾ ಅಧಿಕ ವರ್ಗಕ್ಕೆ ಸೇರಿದ್ದಲ್ಲಿ ಶಿಫಾರಸ್ಸಿನ ಪ್ರಮಾಣದಲ್ಲ ಕ್ರಮವಾಗಿ ಹೆಚ್ಚು ಅಥವಾ ಕಡಿಮೆ ಮಾಡಬೇಕು (ಕಿ.ಗ್ರಾ/ ಎಕರೆಗೆ)		ಬೆಳೆಗೆ ರಸಗೊಬ್ಬರಗಳ ಶಿಫಾರಸ್ಸಿನ ಪ್ರಮಾಣ (ಕಿ.ಗ್ರಾಂ/ ಎಕರೆಗೆ)	
ಸಾರಜನಕ	ರಂಜಕ	ಪೋಷ್ಯಾಷ್		ಕಾಂಪೋಸ್ಟ್/ ತಿನ್ನೆ ಗೊಬ್ಬರ	
0 - 20	0 - 10	0 - 10		ಸಾರಜನಕ	
21 - 40	11 - 30	11 - 20	± 5	ರಂಜಕ	
41 - 70	31 - 50	21 - 40	± 10	ಪೋಷ್ಯಾಷ್	
71 - 100	-	41 - 70	± 15	ರಂಜಕ	
101 - 130	-	-	± 20	ರಂಜಕ	
ಸಮಸ್ಯಾತ್ಮಕ ಮಣ್ಣಿನ ಸುಧಾರಣೆಗೆ ಸಲಹೆಗಳು					
1. ಕೃಷಿ ಸುಣ್ಣು/ ಜಪ್ಪಂ (ಕೆ.ಜಿ/ ಎಕರೆಗೆ) :			2. ಬಿಸಿಗಾಲುವೆ ತೋಡಿಸಿ ನೀರು ಹಾಲುಸುವುದು : ಹೌದು/ ಇಲ್ಲ		

ಸೂಚನೆ : ಈ ಪ್ರಮಾಣ ಪತ್ರ ಸಂಬಂಧಿಸಿದ ಸಲಹೆಗಾಗಿ ಮಾತ್ರ ಇನ್ನಿತರ ಯಾವುದೇ ಕಛೇರಿ ಕೆಲಸ - ಕಾರ್ಯಗಳಿಗೆ ಅನ್ವಯಿಸುವುದಿಲ್ಲ.

ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಕರು

ವಿಷಯ ತಜ್ಞರು (ಮಣ್ಣು ವಿಜ್ಞಾನ)

e) Problems & suggestions to make it more effective

One technical assistant is required to assist in soil and water analysis.

24. Details on Rain Water Harvesting structure and micro-irrigation system (wherever applicable) -2009-10

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 Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
998000	998000	<ul style="list-style-type: none"> ➤ Percolation tanks ➤ Percolation ponds ➤ Construction of bunds ➤ Strengthening of existing bunds ➤ Construction of drains / deepening including water ways ➤ Laying of pipe line for conveying harvested water ➤ Pump sets ➤ Vermicompost production unit ➤ Apiculture colonies ➤ Fodder unit (Guinea grass) 	05	03	-	30	05	-	-

25. Electricity to the KVK

a) Do you have electric supply in KVK premises?

Yes, electricity supply is very poor and hindering the KVK activities

b) If yes, on an average, how many hours per day, you receive power supply? If no, what arrangement do you make ?

- 3 hours per day
- We were using UPS backup and generator for emergency work (Computer)

26. Telephone facility

a) Do you have telephone with STD facility, Computer facility and Internet connectivity in your office? If yes, since when?

- Yes. 2004

b) How many computer terminals in your office has e-connectivity?

- Five computer terminals are connected with e-connectivity facility.

c) How frequently you use Internet and for what purposes (other than e-mail).

- Daily. To access the latest technologies and knowledge upgradation and to send the SMS to the farming community.

d) Do you have any other such facility like e-connectivity with other networks? Give details.

- Local network between tow computers and one lap top

e) To what extent, these facilities have been/being used for the benefit of your target groups.

- E-mail

- Mobile advisory services

- Upgraditon of knowledge

27. Post harvest processing

a) Do you have a Post-Harvest Technology and value addition demonstration unit in your KVK. If yes, give details. :

No

b) Have you organized training in the area of empowering farmer/farm women/rural youth in the field of post-harvest, value addition, marketing, grading and packaging etc. If yes, give details.

Yes

c) Do you have agro-processing and agri-based cottage industries training facilities at your KVK ?

No

28. In the light of expenditure made during the 11th Five Year Plan and keeping in view your future priorities, what are your proposals for additional infrastructure, demonstration units and trainings/extension activities for the 12th Five Year Plan? Give justification and estimated financial requirement for each.

To be purchased during XII Plan			
Item Name	Quantity	Amount	Justification for new equipment
Trailer for Power tiller	1	1.50	Only power tiller is purchased
Stitchning Machine	4	0.25	Only two machines are existing
Fashion maker Machine	1	0.10	To Demonstrate new technology in Fashion designing
Multi Media Projector (LCD)	1	0.60	For training
Lap top	1	0.50	Not having Lap top
Reverse osmosis unit	1	0.75	Hard drinking water
Distillation unit	1	0.25	Not working
Refrigerated cold water unit	1	0.25	For trainees

To be purchased during XII Plan			
Item Name	Quantity	Amount	Justification for new equipment
Micro oven	1	0.25	For Demonstration
Maize, sunflower, soybean trashing machine	1	0.55	For Demonstration
Land leveler	1	0.50	For KVK Farm
Chapati, Roti maker	1	0.40	For Demonstration
Chaff cutter machine	1	0.15	For KVK Farm
Air conditioner	2	0.40	Office
Air cooler	2	0.15	Training hall
Invertor	1	0.60	For farmers training hostel
Micro scope	1	0.25	For diagnosis purpose
UPS	1	0.40	Training hall
Digital Camera	1	0.15	For training
Egg incubator	1	0.50	For Demonstration
Polurty Brooding equipment	5	0.15	For Demonstration
Polurty Feeding equipment	20	0.08	For Demonstration
Polurty Drinking water equipment	20	0.08	For Demonstration
Milking machine	2	0.50	For Demonstration
Food processor	1	0.25	For trainings
Mini bus (30 seater)	1	10.00	For trainings

29. What role the KVK has played to

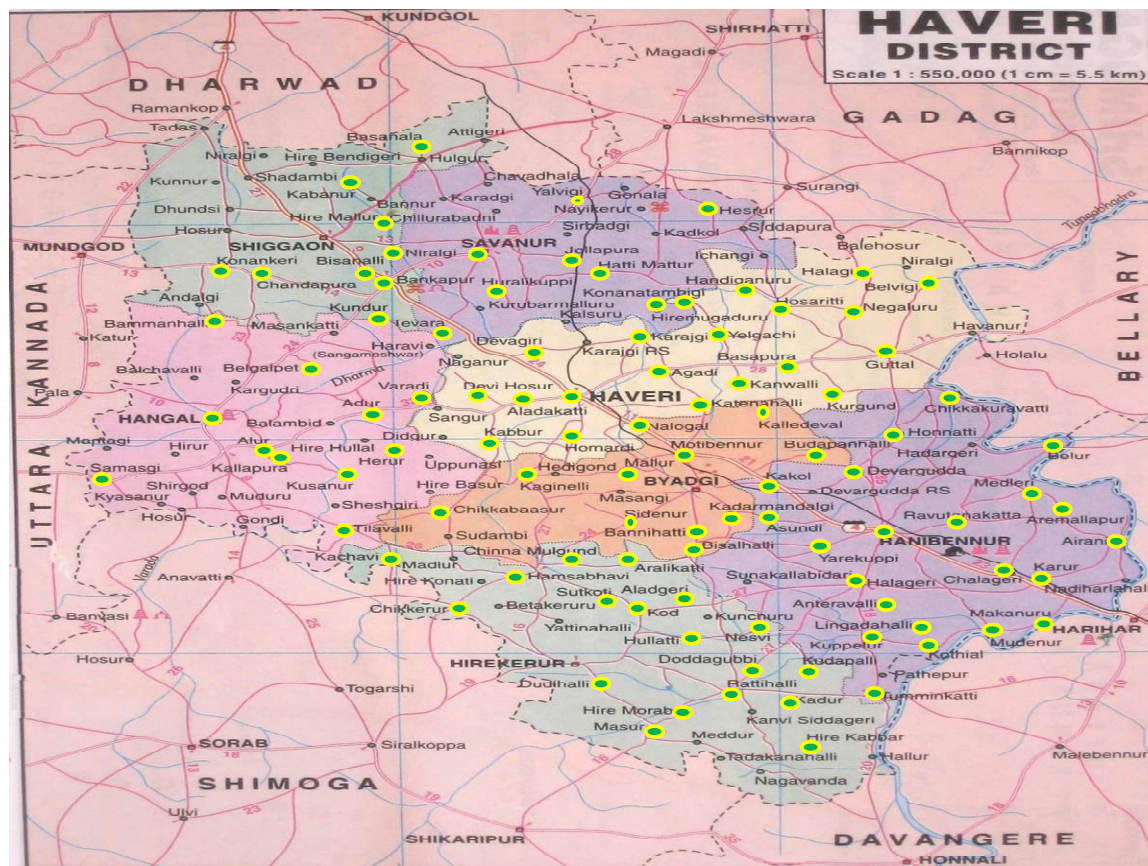
a) Facilitate credit supply to the entrepreneurs to develop enterprises?

Made linkages with NABARD for getting required credit for establishing enterprises

b) Create awareness among the farmers regarding Kisan Credit Card and Crop Insurance Scheme?

Training programs organized on Kisan credit card and crop insurance schemes.

30. How many villages have been covered by KVKs during 2005-06 to 2009-10? Give the name(s) of the villages and indicate the spread of the activities of the KVK in the district through a map.



160 villages were covered in the district

Sl.No.	Name of the village	Spread of the technology
1.	Kakol, Kunabevu, Hosaritti, Kanavalli, Horalikupi, Mushtoor, Kamadod, Ingalagondi, Tavarigi, Anoor, Benchavalli	Vermicompost technology
2.	Kamadod, Kuragund, Basapura, Benakanakonda, Herur, Chikkaanajji, Gudageri, Kengonda, Akkialur, Rattihalli, Kammanahalli	IPM and varietal population in bengalgram
3.	Mottebennur, Kadur, Shiramapura, Aremallapura, Jakkanayakanakoppa, Tevaramallalli, Maligara, Mustoor, Kaledevaru, Aladahalli	Varietal introduction and ICM in groundnut
4.	Kulenuru, Devagondanakatti, Manakur, Chikkakuravatti, Banikoppa, Badamalli, Teradahalli, Kabanur, Ukkunda, Gumanahalli	Varietal introduction of soybean
5.	Kuragunda, Kakol, Kamadod, Baradi, Kusunur, Motahalli, Hurulikuppi, Itagi, Johisarahalalli	Varietal introduction and ICM in onion
6.	Itagi, Kabannur, Hosaritti, Aremalapura, Jakkanayakanakoppa, Alalageri, Kuppeluru, Hollati, Koda, Harogoppa, Agadi	Varietal introduction and ICM in sesamum
7.	Teradahalli, Kuragunda, Kengodu, Totadayelapura, Kurdakodihalli, Vasana, Domanalla, Kusunuru, Devagiri, Bisalalli, Kamdod, Motebennur	Varietal introduction and ICM in Redgram
8.	Hootanhalli, Laxmipura, Mantagani, Baichavalli, Gudagudi, Kopparsikoppa, Hirekanagi, Akkialur, Ukkunda, Kamadod, Kuppelur, Kabanur, Ranebennur, Hirebidari, Kuragunda	Production technology in Bt cotton

Sl.No.	Name of the village	Spread of the technology
9.	Shidenur, Chinamulagunda, Kalagonda, Bisalalli, Asundi, Vadeyanpura, Savanuru, Agadi, Hosaritti, Lingadevarkoppa, Yekalaspura	Varietal introduction and ICM in maize
10.	Negaluru, Kakol, Hangal, Aduru, Handiganur, Karadur, Chikkayedachi	IDM in banana
11.	Sannasangapura, Kuppeluru, Asundi, Guddaguru, Chalageri, Medleri, Basapura, Kengonda, Chatra, Davanakatti, Itagi, Kudarihala Hiremalluru, Gangigatti	ICM in sunflower

31. What are the special features of your KVK which attract the farmers to the KVK?

Supply of quality planting and seed material at lesser price in addition to technical knowhow about the advanced technologies in agriculture and allied fields.

32. Is there any bottleneck in flow of fund to your KVK from the host organization? If yes, what are the means do you suggest improving the system?

Nil

Place : Ranebennr

Date:

SIGNATURE OF PROGRAMME COORDINATOR