UNIVERSITY OF AGRICULTURAL SCIENCES

DHARWAD

Annual Report

(October, 2006 to September, 2007)

of

KRISHI VIGYAN KENDRA
HANUMANAMATTI

Prepared for the

Annual Review Meeting of KVK's of Zone VIII

2006-07

at

KVK

Dindigul, Tamil Nadu

(29th October–1st November, 2007)

KRISHI VIGYAN KENDRA,

HANUMANAMATTI-581 135

TQ: RANEBENNUR , DT: HAVERI

karnataka state

CONTENTS

ANNUAL REPORT

(October 2006-September 2007)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Hanumanamatti-581 135, Tq: Ranebennur, Dist: Haveri, State: Karnataka	08373- 253524	08373- 253524	kvk_haveri@rediffmail.com

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

Address	Telephone		E mail
	Office	FAX	
University of Agricultural Sciences, Yattinaguda campus, Krishinagar, Dharwad-580005	0836- 2447783	0836- 2745276	vc_uasd@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. M.V. Nagaraja	-	9448495338	mvnagaraja2007@rediffmail.com

1.4. Year of sanction: 1997

1.5. Staff Position (as on 30th September 2007)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category
1	Programme Coordinator	Dr. M.V. Nagaraja	PC	Ag. Extn. Edu.	12000-16500 (16620)	01.08.07	Permanent	Others
2	Subject Matter Specialist	Dr. C.M. Sajjanar	SMS	Animal Science	8000-13500 (10750)	14.02.97	Permanent	Others
3	Subject Matter Specialist	Dr. S.M. Hiremath	SMS	Horticulture	8000-13500 (11950)	09.07.02	Permanent	Others
4	Subject Matter Specialist	Dr. K.B. Yadahalli	SMS	Plant Pathology	8000-13500 (11950)	03.10.03	Permanent	OBC
5	Subject Matter Specialist	Dr. B.C. Hanumantha Swamy	SMS	Ag. Entomology	8000-13500 (9375)	03.03.06	Permanent	OBC
6	Subject Matter Specialist	Dr. Shashidhara K. K.	SMS	Ag. Extn. Edu.	12480 (consolidated)	15.02.07	Temporary	OBC
7	Subject Matter Specialist	Vacant	SMS	Agronomy	8000-13500	-	-	-
8	Programme Assistant	Vacant	Prog. Assi.	Soil Science	-	-	-	-
9	Computer Programmer	Ms. Rekha K.N.	Prog. Assi.	Computer Science	8750 (consolidated)	02.06.04	Temporary	Others
10	Farm Manager	Mr. Chandrappa K. B.	Prog. Assi.	B.Sc.(Agriculture)	8750 (consolidated)	08.02.07	Temporary	OBC
11	Accountant / Superintendent	Vacant	-	Superintendent Accountant	-	-	-	-
12	Stenographer	Mr. K. T. Beldar	Typist	Typist	8000-14800 (8825)	10.04.03	Permanent	SC
13	Driver	Mr. Mahesh L.M.	Driver cum Mechanic	Driver cum Mechanic	5800-10500 (5800)	12.07.06	Permanent	Others
15	Driver	Mr. P.C. Kunbevin	Driver cum Mechanic	Driver cum Mechanic	5800-10500 (9050)	07.06.98	Permanent	OBC
16	Supporting staff	Mr. K. B. Belakeri	Messenger	Messenger	5200-8200 (6375)	02.11.98	Permanent	OBC
14	Supporting staff	Mr. C. V. Nelogal	Messenger	Messenger	5200-8200 (6375)	01.07.02	Permanent	Others

1.6. Total land with KVK (in ha) :

Sl.No.	Item	Area (ha)
1	Under Buildings	1.1
2.	Under Demonstration Units	-
3.	Under Crops	20
4.	Orchard/Agro-forestry	0.1
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of Funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (lakh)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1999	400	27.93	-	-	-
2.	Farmers Hostel		2004	305	22.63	-	-	-
3.	Staff Quarters (6)		-	-	-	01.10.06	399	39.68

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs. In lakhs)	Total kms. Run	Present status
Tempo trax Judo	2002	4.50	14554	Good
Motor cycle Bajaj CT-100	2005	0.40	11082	Good
Tractor and Trailer New Holland Ford 3230	2005	5.00	1526.4 (total hr)	Good
Motor cycle Bajaj CT-100	2006	0.40	5574	Good

C) Equipments & AV aids

Nature of the equipment	Year of Purchase	Cost (Rs)	Present status
Camera with accessories	2001	19,000	Good
Slide Projector	2001	15,500	Good
Over head Projector	2001	19,500	Good
Computer With accessories	2002	80,000	Good
Digital Camera	2005	20,000	Good
Spectrophotometer	2005	40050	Good
Flame Photometer	2005	32040	Good
pH meter	2005	8900	Good
Conductivity bridge	2005	9790	Good
Physical balance	2005	10890	Good
Chemical balance	2005	57000	Good
Water distillation Still	2005	62444	Good
Kjeldahl digestion and distillation (2 sets)	2005	142844	Good
Shaker	2005	47025	Good
Refrigerator	2005	12285	Good
Oven	2005	17228	Good
Hot plate	2005	3046	Good
Grinder	2005	15635	Good
Xerox Machine	2005	52000	Good
T/D pneumatic planter	2006	52800	Good
Inclined plate planter (Animal drawn	2006	11000	Good
Kamadhenu Bullock drawn tractor	2006	24950	Good
Rotavator	2006	77000	Good
HP Computer With accessories	2006	39,216	Good
Multi media Projector (LCD)	2006	58,488	Good

1.8. Details SAC meeting conducted in the year

Sl. No.	Date	No. of Participants	Salient Recommendations	Action taken
1	06.10.2006	24	Increasing Production of horticulture seedlings through revolving fund	Multiplication of fruit crops were increased under revolving fund.
			Inclusion of Developmental department staffs in training programmes	Spice board, NHRDF , KSDH,KSDA, NGOs, NABARD, KSDA&H and Bank staffs were utilized included in different training programmes
			Include the details of soil, water & plant analysis in each report	In every SW&P reports details were furnished.
			Display the details of OFT and FLDs in each demonstration	Details of OFT and FLDs were displayed in each demonstration
			Inclusion of District information officer as a SAC Member	District information officer were opted as special guest.
			Presentation of work done activities by each SMS	All SMS's were presented their work done report individually.
			Submission of approximate cost for demonstration units	Proposals for the 5 demonstrations were submitted.
2	06.08.2007	21	Publish Success story of Progressive farmers in the form of Booklet.	20 Success story of Progressive farmers were colleted.
			Increasing Production of horticulture seedlings through revolving fund	Multiplication of fruit crops was increased under revolving fund.
			Conduct of Sericulture training programmes	One on and off training programmes were conducted
			Display of Nutrients Deficiency charts in KVK.	Displayed the Nutrients Deficiency charts in KVK.
			Inclusion of District information officer as a SAC Member	District information officer were opted as special guest.
			Conduct of Training programmes on Bio-fuels.	Conducted two Training programmes.
			Proposals for Demonstration units (Poly house and Goat)	Submitted one Poly house(Rs. 0.77 Lakh) and Goat (Rs. 2.85 Lakh) Demonstration units to ZC.
			Conduct of method demonstration for control of African snail in Betel vine	Conducted five method demonstration for control of African snail in Betel vine

2. DETAILS OF DISTRICT (2006-07)

2.1 Major farming systems/enterprises

S. No	Farming system/enterprise
1.	Maize, Cotton, Minor millets, Sorghum,Groundnut, Sunflower, Soyabean, Greengram, Horticulture crops , Animal husbandry, Integrated farming system, Agro-silivi-horti-pasture etc.,

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

S. No	Agro-climatic Zone	Characteristics
1.	Northern Transitional zone (Zone-8) & Hilly zone (Zone 9)	• Total geographical area of 4.85 lakh ha. with cultivated area of 3.86 lakh ha., of which 72,000 ha is irrigated (13.5%). • Receives on an average 702 mm of rainfall annually mainly during June to October. The rainfall received with two peaks (July & September). • Land holding pattern of the district is < 1 ha (32,719), 1-2 ha (60,095), 2-4 ha (48,885), 2-10 ha (19,613) and > 10 ha (2,649).

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red soil	Sandy soil with high infiltration rate	2.53 lakh
2	Black soil	Medium to deep black soil	1.33 lakh

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

A. Agriculture crops

S.No	Crop	Area(ha)	Production(t)	Productivity(kg./ha)
1.	Paddy	39693	77699	1957
2.	Maize	126780	335984	2650
3.	Sorghum	44110	52068	1180
4.	Cotton	78536	24625 (Bales)	314
5.	Groundnut	25163	28800	1145
6.	Soyabean	11409	13805	1210
7.	Sunflower	12953	8518	658
8.	Greengarm	13835	2677	194
9.	Redgram	11869	6053	510
10.	Millets	196953	106355	540
11.	Horse gram	11599	5267	454
12.	Wheat	11197	373	373
13.	Sugar cane	2611	169715	65 (t/h)

B. Horticulture crops

S.No	Crop	Area(ha)	Production(t)	Productivity(kg./ha)
1.	Mango	1808	33032	18.27
2.	Banana	2033	60510	29.76
3.	Onion	8550	158316	18.50
4.	Chilli (Green)	2840	53966	19.00
5.	Cole crops	612	12222	19.97
6.	Leafy vegetables	372	3754	10.09
7.	Garlic	1840	12120	6.59
8.	Chilli (Dry)	33274	48811	1.47
9.	Coconut	2815	317.02	0.11
10.	Betel vine (Lakh leaves)	703	17028.5	24.22
11.	Mari gold	515	5040	9.79
12.	Jasmine	339	2236	6.50
13.	Chrysanthemum	249	3365	13.51

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Oct-06	18.25	31.49	20.7	64.20
Nov-06	41.60	30.89	24.88	67.61
Dec-06	-	31.35	14.87	55.48
Jan-07	-	31.75	14.95	44.81
Feb-07	-	32.67	16.61	48.44
March-07	1.56	36.01	20.70	54.75
April-07	5.17	37.05	22.82	55.63
May-07	78.34	34.95	22.59	65.36
June-07	159.41	29.90	22.20	81.21
July-07	160.80	27.41	22.20	85.15
August-07	180.53	28.63	22.21	86.15
Sept-07	142.26	27.91	21.26	88.35

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

Category	Population	Production	Productivity
Cattle			
Crossbred	36809	24000tones	5.56
Indigenous	267227	26000	2.09
Buffalo	122924	32000	2.5
Sheep			
Crossbred	62		
Indigenous	197916	28613	13.10
Goats	127678	18122	13.21
Pigs			
Indigenous	4295	2000	55.60
Rabbits	97		
Poultry	510918	138600	1.23

2.7 Details of Operational area / Villages

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Haveri	Haveri Karjagi Guttal	Hosaritti Katenhalli Kurubhagound Halagi Kajargatti Basapur Havanur Marol Kanavalli Devigiri Haladakatti Tevaramalalli	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques.
				Sorghum	Shoot fly, Grain mould, Poor Nutrient management & use of local varieties	Promotion of recent varieties, Integrated nutrient & pest management.
				Cotton	Leaf reddening, bad boll opening & Bollworms in cotton	ICM technology
				Sunflower	Necrosis, BHC	Necrosis & BHC management & IDM.
				Groundnut	Low yield & improper water management	Production technology & BBF methods.
				Minor millets	Poor Nutrient management & use of local varieties	Introduction of new varieties & Nutrient Management
				Chilli	Powdery mildew Dieback Fruit borer & Murda complex.	Management of Powdery Mildew in Chilli INM, Management of murda complex, fruit borer & Dieback.
				Onion	Low yield, purple blotch & Poor Nutrient management	INM & Management of purple blotch.
				Tomato	Fruit borer & Alternaria Leaf blight	Management of fruit borer & Alternaria Leaf blight.
				Brinjal	Brinjal shoot and fruit borer	Integrated management of shoot and fruit borer
				Banana	Rhizome weevil, panama wilt & bunchy top	Integrated pest management
				Soil	Salinity	Reclamation of Saline soils
				Soil & Water	Soil & water erosion & Depletion of ground water due to heavy exploitation	Rain water harvesting & ground water recharge Soil & water conservation in watershed area through participatory approach Use of improved agricultural implements in watershed area
				Sheep rearing, Dairying & Poultry	FMD, improper management of live stock	Scientific dairy farming, poultry management, Sheep management & cultivation & enrichment of fodder.

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
2	Savanur	Hattimattur Savanur	Madpur Baradur K.Mallapur Nadihalli Hurallikupa Tevaramalalli Hosaneralagi	Groundnut	Low yield & improper water management	INM in Oil seeds
				Greengram	Shattering & Powdery mildew	Introduction of non shattering variety & Management of Powdery mildew
				Sorghum	Shoot fly, Poor Nutrient management & use of local varieties	Integrated management of nutrients & pests.
				Minor millets	Poor Nutrient management & use of local varieties.	Introduction of new varieties & Nutrient Management
				Chilli	Powdery mildew Dieback Fruit borer & Murda complex.	Management of Powdery Mildew of Chilli INM, Management of murda complex, fruit borer & Dieback.
				Tomato	Fruit borer & Alternaria Leaf blight	Integrated Management of fruit borer & Alternaria Leaf blight
				Flowers	Alternaria leaf blight of Chrysanthemum & damping off diseases	Integrated disease management & use of GR.
				Soybean	Leaf eating Caterpillar & rust.	Integrated management of pest & Diseases.
				Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques
				Cotton	Leaf reddening bad boll opening and Boll worms.	ICM technology
				Soil	Calcareous soils	Management of Calcareous soils
				Soil & Water	Soil & water erosion & Depletion of ground water due to heavy exploitation	Rain water harvesting & Ground water recharge *Soil & water conservation in watershed area through participatory approach* Use of improved agricultural implements in watershed area

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
3	Shiggaon	Shiggaon Dundasi Bankapura	Chikkamalur Banikoppa Surupagatti Hirebendigeri Belagali Basanalla Hattigeri Bhadrapur	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques
				Cotton	Leaf reddening, bad boll opening and Boll worms.	ICM technology
				Sorghum	Shoot fly, Poor Nutrient management & use of local varieties	Integrated pest & disease management.
				Tomato	Fruit borer & Alternaria blight.	Management of fruit borer & Alternaria blight.
				Cowpea	Poor nutrient management	Production technology.
				Minor millets	Poor Nutrient management & use of local varieties	Introduction of new varieties & Nutrient Management
				Soybean	Spodoptera & other Leaf eating Caterpillars.	Management of pests.
				Chilli	Powdery mildew Dieback Fruit borer & Murda complex.	Management of Powdery Mildew of Chilli INM, Management of murda complex, fruit borer & Dieback.
				Greengarm	Stem fly Powdery mildew & Shattering	Management of Greengram stem fly Use of non shattering HYV & IDM.
				Redgram	Pod borer & wilt	Management of Pod borer & Fusarium wilt.
				Groundnut	Leaf spot and rust	Production technology & BBF
				Paddy	Poor water management	Water Management (SRI Method)
				Soils	Problematic soils	Management of Vertiosols
				Soil & Water	Soil & water erosion & Depletion of under ground water due to heavy exploitation	Rain water harvesting & Ground water recharge Soil & water conservation in watershed area through participatory approach Use of improved agricultural implements in watershed area

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
4	Hangal	Hangal Bommana halli Akkialur	Tiluvalli Savekeri Sheragula Balehalli	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques
				Cotton	Leaf reddening, bad boll opening and Boll worms.	ICM technology
				Mango	Fruit fly & Dieback.	Integrated pest & disease management
				Banana	Rhizome weevil , panama wilt & bunchy top	Integrated pest & disease management
				Greengarm	Stem fly Powdery mildew & Shattering	Management of Greengram stem fly Use of non shattering HYV & IDM.
				Paddy	Lack of awareness in water management	Water Management (SRI Method)
				Soybean	Leaf eating Caterpillar & rust.	Management of pest & disease.
				Redgram	Pod borer & Wilt	Management of Pod borer & Fusarium wilt.
				Sugarcane	Sett rot & wooly aphids	Management of pest & disease.
				Soils	Soil Acidity	Management of Acidic soils
				Soil & Water	Soil & water erosion & Depletion of under ground water due to heavy exploitation	Rain water harvesting & Ground water recharge

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
5	Ranebennu	Ranebennur Medleri Kuppelur	Kakol Makanur Kamdoda Kunbevu Ittagi Benkankodda Aladakatti Aremallapur	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition Techniques
				Sorghum	Shoot fly, Poor Nutrient management & use of local varieties	Integrated nutrient management & pests.
				Cotton	Leaf reddening bad boll opening & Bollworms in cotton	ICM technology
				Sunflower	Necrosis, BHC	Necrosis & BHC management & IDM.
				Groundnut	Low yield & improper water management	Production technology & BBF.
				Minor millets	Poor Nutrient management & use of local varieties	Introduction of new varieties & Nutrient Management
				Greengarm	Stem fly Powdery mildew & Shattering	Management of Greengram stem fly Use of non shattering HYV & IDM.
				Cowpea	Poor nutrient management	Production technology
				Chilli	Powdery mildew Dieback Fruit borer & Murda complex.	Management of Powdery Mildew of Chilli INM, Management of murda complex, fruit borer & Dieback.
				Onion	Purple blotch, Twisting and Crinkling & Onion thrips	INM, Management of purple blotch & Twisting and Crinkling in onion.
				Garlic	Poor nutrient & weed management	Integrated crop management
				Brinjal	Brinjal shoot and fruit borer	Integrated management shoot and fruit borer
				Cole crops	Cabbage aphids, Black rot and DBM	Integrated pest & disease management
				Banana	Rhizome weevil, panama wilt & bunchy top	Integrated pest management
				Sericulture	Uzi fly & powdery mildew in mulberry	Integrated pest & disease management
				Paddy	Poor water management	Water Management (SRI Method)
				Soil	Salinity & Sodicity	Reclamation of problematic soils
				Soil & Water	Soil & water erosion & Depletion of under ground water due to heavy exploitation	Scientific method of rain water harvesting & under ground water recharge
				Sheep rearing, Dairying & Poultry	FMD, improper management of live stock	Scientific dairy farming , poultry management, Sheep management & cultivation & enrichment of fodder.

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
6	Byadgi	Byadgi Kaginele	Hireannaji Bisalahalli Chinikatto Kurudukodihalli Katenahalli Timapur Shidenur Kadaramadalagi Belekeri	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques
				Cotton	Leaf reddening, bad boll opening & Bollworms.	ICM technology
				Sunflower	Necrosis, BHC	Necrosis & BHC management & IDM.
				Groundnut	Low yield & improper water management	Production technology & BBF.
				Greengarm	Stem fly Powdery mildew & Shattering	Management of Greengram stem fly Use of non shattering HYV & IDM.
				Redgram	Pod borer & wilt	Management of Pod borer & Fusarium wilt
				Minor millets	Poor Nutrient management & use of local varieties	Introduction of new varieties & Nutrient Management
				Sorghum	Shoot fly, Poor Nutrient management & use of local varieties	Integrated nutrient management
				Chilli	Powdery mildew Dieback Fruit borer & Murda complex.	Management of Powdery Mildew in Chilli INM, Management of murda complex, fruit borer & Dieback.
				Onion	Low yield, purple blotch & Poor Nutrient management	INM & Management of purple blotch.
				Tomato	Fruit borer & Alternaria blight	Management fruit borer & Alternaria blight
				Brinjal	Brinjal shoot and fruit borer	Integrated management shoot and fruit borer
				Cabbage	Aphids, Black rot and DBM	Integrated pest & disease management
				Soil & Water	Soil & water erosion & Depletion of under ground water due to heavy exploitation	Rain water harvesting & Ground water recharge Soil & water conservation in watershed area through participatory approach Use of improved agricultural implements in watershed area
				Sheep rearing, Dairying & Poultry	FMD, improper management of live stock	Scientific dairy farming , poultry management, Sheep management & cultivation & enrichment of fodder.

Sl.No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
7	Hirekerur	Hirekerur Rattihalli Hansabhavi	Hirebudihal Kunchur Dudihalli Nolageri Harikatti Somanahalli Chikkamathur Koda Chinnahalli Kudapalli	Maize	Turcicum leaf blight Low yield, poor nutrient management	Management of Turcicum leaf blight of Maize Production technology & Value addition techniques
				Cotton	Leaf reddening, bad boll opening & Bollworms.	ICM technology
				Sunflower	Necrosis, BHC	Necrosis & BHC management & IDM.
				Groundnut	Low yield & improper water management	Production technology & BBF.
				Redgram	Pod borer & wilt.	Management of Pod borer & Fusarium wilt.
				Finger millets	Stem borer & neck blast	Introduction of resistant variety & Stem borer management
				Brinjal	Brinjal shoot and fruit borer	Integrated management of shoot and fruit borer
				Paddy	Poor water management	Water Management (SRI Method)
				Tomato	Fruit borer & Alternaria blight	Management of fruit borer & Alternaria blight
				Soils	Soil Acidity	Management of Acidic soils
				Soil & Water	Soil & water erosion & Depletion of under ground water due to heavy exploitation	Rain water harvesting & Ground water recharge Soil & water conservation in watershed area through participatory approach Use of improved agricultural implements in watershed area

2.8 Priority thrust areas

S. No	Thrust area
1.	Popularization of minor millets in rain fed crop production system.
2.	Production and supply of seeds, planting materials and Bio-pesticides/agents.
3.	Soil and water conservation & rainwater harvesting with emphasis on ground water recharge
4.	Powdery mildew problem in Chili and mites.
5.	Stem fly problem in Greengram.
6.	Maximization of returns in Chrysanthemum through mixed cropping.
7.	Tip burn, improper nutrient management in Onion
8.	Integrated farming system in rain fed ecosystem.
9.	Empowerment of rural youths / Farm women through EDP activities
10.	Promotion of organic farming.
11.	Popularization of production technology of mandate crops.
12.	Popularization of locally available feed resources for livestock
13.	Dairying – Nutritional & Breeding management and health coverage, clean & quality milk production
14.	Usage of Agricultural byproducts and residues as cattle feed, enrichment of poor quality fodder.
15.	Poultry – Nutritional & Breeding management and health coverage.
16.	Sheep & Goat – Nutritional & Breeding management and health coverage.

3. TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
06	06	18	18	19	19	263	263

Training				Extension Activities			
3				4			
Number of Courses		Number of articipants		Number of activities		Number of articipants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
146	146	4628	4628	400	369	2400	2100

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
100	81.75	1000	893

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions				
				Title of OFT if any	Title of FLD	Title of Training	Extension activities	Supply of seeds, planting materials etc.
1.	Pest management	Chrysanth Emum	Pest problem (Bud & Army worm)	Management of budworm of Chrysanthemum	-	-	Field visit Method demonstration	Insecticides
2.	Pest Management	Cabbage	DBM	Management of Diamond back moth of Cabbage	-	-	Field visit Method demonstration	Insecticides
3.	Disease management	Cabbage	Disease problem (Black rot)	Management of Black rot of Cabbage	-	-	Field visit Method demonstration	Fungicides
4.	Disease management	Brinjal	Disease problem (fruit rot)	Management of Fruit rot of Brinjal	-	-	Field visit Method demonstration	Fungicides
5.	Weed Management	Cabbage	Weed problem	Weed management in cabbage	-	-	Field visit Method demonstration	Weedicide
6.	Nutrient Management	Tomato	Nutrient Management	Nutrient Management in Tomato	-	-	Field visit Method demonstration	Nutrients
7.	Introduction of variety	Groundnut	Leaf spot & Rust disease	-	FLD on Groundnut (GPBD-4)	1. Disease & Pest management 2.Improved cultivation practices	Field visit Method demonstration Field Day	Seeds Insecticide Fungicides Gypsum
8.	Introduction of variety	Soybean	Rust disease	-	FLD on Soyabean (JS-335)	1. Disease & Pest management 2.Improved cultivation practices	Field visit Method demonstration Field Day	Seeds Insecticide Fungicides

9.	Introduction of variety	Sunflower	Necrosis & Powdery mildew disease	-	FLD on Sunflower (KBSH-1)	1. Disease & Pest management 2.Improved cultivation practices	Field visit Method demonstration	Seeds Insecticide Fungicides
10.	Introduction of variety	Sesamum	Powdery mildew disease	-	FLD on Sesamum (DS-9)	1. Disease & Pest management 2.Improved cultivation practices	Field visit Method demonstration	Seeds
11.	Plant protection	Redgram	Pod borer & Fuserium wilt	-	FLD on Redgram (ASHA)	1. IPM in Redgram 2.Redgram cultivation	Field visit Method demonstration	Seeds Insecticides
12.	Introduction of variety	Greengram	Powdery mildew & Pod borer	-	FLD on Greengram (S-4)	1. Disease & Pest management 2.Improved cultivation practice	Field visit Method demonstration	Seeds Insecticide Fungicides
13.	Introduction of variety	Blackgram	Powdery mildew & Pod borer	-	FLD on Blackgram (DU-1)	1. Disease & Pest management 2.Improved cultivation practice	Field visit Method demonstration	Seeds Insecticide Fungicides
14.	Introduction of variety	Bengalgram	Pod borer & Fuserium wilt	-	FLD on Bengalgram (ICCV-10)	1. Disease & Pest management 2.Improved cultivation practice	Field visit Method demonstration	Seeds Insecticide Fungicides
15.	Integrated crop management	Cotton(Kharif)	Sucking pest, leaf reddening & Black arm	-	FLD on Bt cotton MRC-6918 (ICM)	1. Disease & Pest management 2.Improved cultivation practices	Field visit Method demonstration Field Day	Seeds Fertilizers Traps Vermicompost Insecticide Fungicides
16.	Integrated crop management	Cotton (Rabi)	Grey mildew	-	FLD on DDHC-11 (ICM)	1. Disease & Pest management 2.Improved cultivation practice	Field visit Method demonstration	Seeds Fertilizers Vermicompost

3.1 Achievements on technologies assessed and refined

A. Results of On Farm Trials

Crop/ enter prise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chrysanthemum	Irrigated	Pest problem (Bud worm)	Management of bud worm in chrysanthemum	03	Insecticide evaluation	Pest intensity	9.38 % infestation	Pest intensity was less and yield was high	The technology is very effective for the management of pest	New molecule Methomyl and NSKE were effective against pest	For effective management of pest and avoid residue problem in the crop.
						Yield	9.24 t/ha.				
Cabbage	Irrigated	Diamond back moth Problem	Management of Diamond back moth of Cabbage	03	Insecticide evaluation	Pest intensity	10.84 % infestation	Pest intensity was less and yield was high	The technology is very effective for the management of pest	New molecule Profenophos and NSKE were effective against pest	For effective management of pest and avoid residue problem in the crop.
						Yield	18.12 t/ha.				
Cabbage	Irrigated	Disease problem (Black rot)	Management of Black rot of Cabbage	03	Fungicide & Bactericide evaluation	Disease incidence	13.96%	Disease incidence was less and yield was high	The technology is very effective for the management of Disease	Copper oxychloride Bacterinashak were effective against Disease	For effective management of Disease and to get higher yield
						Yield	15.37 t/ha				

1	2	3	4	5	6	7	8	9	10	11	12
Brinjal	Irrigated	Disease problem (fruit rot)	Management of Fruit rot of Brinjal	03	Fungicide evaluation	Disease incidence	9.38%	Disease incidence was less and yield was high	The techno logy is very effective for the management of Disease	Carbendazim & Propiconazole Were effective against Disease	For effective management of Disease and to get higher yield
						Yield	17.6 t/ha				
Cabbage	Rainfed	Weed Menace	Weed management in cabbage	05	Inter cultivation (3 times) + HW (3 times) alternatively at weekly intervals	% weed incidence	32.36	Use of weedicide as a pre-emergent weedicide was effective for control of weeds	Use of weedicides in cabbage found effective by the farmers	Weedicide found effective for control of weeds	For effective management of weeds, save the labours and to get higher yield
						Yield (t/ha.)	11.00				
					Pre emergent spray of Alachlor (1.5 kg a.i. /ha) or Butachlor (1.5 kg a.i. /ha)	% weed incidence	16.50				
						Yield (t/ha.)	15.00				
					Spray of Oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 intercultivation + 1 hand weeding	% weed incidence	14.00				
						Yield (t/ha.)	15.80				
Tomato	Rainfed	Nutrient	Nutrient managemen t in tomato	05	Application of FYM 15 t/ha Indiscriminate use of fertilizers (major, secondary & micro nutrients)	Yield	9.5	Use of RDF with calcium and boron results in better yield	Farmers are convinced about the management of disorders by the calcium and boron.	Macro and micro nutrients found beneficial for fruit yield	For control of disorders in tomato calcium and boron nutrients found effective and to get higher yield
					RDF (25 t FYM + 60:50:30 NPK kg/ha)	Yield	11.11				
					RDF(25 t FYM+ 60:50:30 NPK kg/ha) + Borax + $CaCl_2$/ $Ca(NO_3)_2$	Yield	12.00				

Technology Assessed / Refined	Production per unit (t/ha.)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16
Farmer's practice In-discriminate & in effective use of insecticides	7.10	1,15,000.00	2.84
Technology assessed Spraying of Methyl parathion @ 2ml orD.D.V.P@ 0.5 ml/ litre	8.90	1,69,500.00	4.19
Technology refined Methomyl@ 0.6.gm/lit, NSKE @ 4%	9.24	1,80,400.00	4.56
Farmer's practice In-discriminate & in effective use of insecticides	13.42	54,520.00	3.09
Technology assessed Quinolphos or Chloropyriphos @ 2 ml/lit	17.58	91,480.00	7.53
Technology refined Profenophos @ 2 ml/lit,NSKE @ 4%	18.12	96,220.00	8.69
Farmer's practice In-discriminate & in effective use of Fungicide & Bactericide	11.5	43,000.00	2.65
Technology assessed Agrimycin-100 @ 10 mg/L OrTetracycline hydroxide 10 mg/L	14.8	74,800.00	6.34
Technology refined Seed Treatment with Streptomycin sulphate @ 0.5 gm. + Copper oxychloride @ 3 gm / kg seeds + Spraying of Bacterinashak @ 0.5 gm + COC @ 3.0 gm /lit.Two sprays at an interval of 10 –15 days	15.37	79,720.00	7.38
Farmer's practice In-discriminate & in effective use of Fungicides	13.5	42,000.00	4.5
Technology assessed Two sprays of captofol @ 2.0 g/l or Carbendezim@ 1.0 g/l or Mancozeb @ 2.0 g/l	16.8	57,200.00	6.72
Technology refined Seed treatment with carbendezim @ 2 g/kg Three sprays of Propiconazole @ 1 ml/L (30,45& 60 DAT)	17.6	61,900.00	8.28
Farmer's practice Inter cultivation (3 times) + HW (3 times) alternatively at weekly intervals	11.00	42,000.00	2.65
Technology assessed Pre emergent spray of Alachlor (1.5 kg a.i. /ha) or Butachlor (1.5 kg a.i. /ha)	15.00	76,800.00	6.34
Technology refined Spray of Oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 intercultivation + 1 hand weeding	15.80	82,720.00	7.38
Farmer's practice Application of FYM 15 t/ha or Indiscriminate use of fertilizers (major, secondary & micro nutrients)	9.5	35,000.00	3.5
Technology assessed RDF (25 t FYM + 60:50:30 NPK kg/ha)	11.11	47,200.00	5.02
Technology refined RDF(25 t FYM+ 60:50:30 NPK kg/ha)+Borax+ $CaCl_2$/ $Ca(NO_3)_2$	12.00	52,900.00	6.00

B. Details of each On Farm Trial to be furnished in the following format

1) Title of on-farm trials	:	**Management of chrysanthemum bud worm**
2) Problem diagnose	:	Bud worm problem
3) Details of technologies selected for assessment/refinement	:	Botanical pesticide NSKE @ 4% and New chemical Molecule methomyl @ 0.6 gm/lit of water were selected.
4) Source of technology	:	Above chemicals were effective against pest on other crops. Hence these chemicals were selected.
5) Production system and thematic area	:	The high yield was recorded by reducing the incidence of budworm in chrysanthemum.
6) Performance of the Technology with performance indicators	:	The technology is very effective in reducing the pest incidence and increasing the yield
7) Final recommendation for micro level situation	:	This technology can be recommended for the management of budworm in chrysanthemum.
8) Constraints identified and feedback for research	:	There are no constraints identified in this technology
9) Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology. They are ready to take up this technology for the management of budworm in chrysanthemum.

1. Title of on-farm trials	:	**Management of Diamond Back moth of cabbage**
2. Problem diagnose	:	Diamond Back moth problem
3. Details of technologies selected for assessment/refinement	:	Botanical pesticide NSKE @ 4% and New chemical Molecule Profenophos @ 2 ml/lit of water were selected.
4. Source of technology	:	Above chemicals were effective against pest on other crops. Hence these chemicals were selected.
5. Production system and thematic area	:	The high yield was recorded by reducing the incidence of Diamond Back moth in cabbage
6. Performance of the Technology with performance indicators	:	The technology is very effective in reducing the pest incidence and increasing the yield
7. Final recommendation for micro level situation	:	This technology can be recommended for the management of Diamond Back moth of cabbage
8. Constraints identified and feedback for research	:	There are no constraints identified in this technology
9. Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology. They are ready to take up this technology for the management of Diamond Back moth of cabbage.

1. Title of on-farm trials	:	**Management of Black rot of cabbage**
2. Problem diagnose	:	Black rot problem
3. Details of technologies selected for assessment/refinement	:	Seed Treatment with Bacterinashak @ 0.5 gm + Copper oxychloride @ 3 gm / kg seeds & Spraying of Bacterinashak @ 0.5 gm + COC @ 3.0 gm /lit. Two sprays at an interval of 10 –15 days.
4. Source of technology	:	Above chemicals were effective against Disease on other crops. Hence these chemicals were selected.
5. Production system and thematic area	:	The higher yield was recorded by reducing the incidence of Black rot of cabbage
6. Performance of the Technology with performance indicators	:	The technology is very effective in reducing the disease incidence and increasing the yield
7. Final recommendation for micro level situation	:	This technology can be recommended for the management of Black rot of cabbage
8. Constraints identified and feedback for research	:	There are no constraints identified in this technology
9. Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology. They are ready to take up this technology for the management of Black rot of cabbage.

1. Title of on-farm trials	:	**Management of Fruit rot of Brinjal**
2. Problem diagnose	:	Fruit rot of Brinjal
3. Details of technologies selected for assessment/refinement	:	Seed treatment with carbendezim @ 2 g/kg Three sprays of Propiconazole @ 1 ml/L (30,45& 60 DAT)
4. Source of technology	:	Above chemicals were effective against Disease on other crops. Hence these chemicals were selected.
5. Production system and thematic area	:	The higher yield was recorded by reducing the incidence of Fruit rot of Brinjal.
6. Performance of the Technology with performance indicators	:	The technology is very effective in reducing the disease incidence and increasing the yield
7. Final recommendation for micro level situation	:	This technology can be recommended for the management of Fruit rot of Brinjal.
8. Constraints identified and feedback for research	:	There are no constraints identified in this technology
9. Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology. They are ready to take up this technology for the management of Fruit rot of Brinjal.

1. Title of on-farm trials	:	**Weed management in cabbage**
2. Problem diagnose	:	Infestation of weeds
3. Details of technologies selected for assessment/refinement	:	Spray of Oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 intercultivation + 1 hand weeding
4. Source of technology	:	Use of weedicides were found effective in IIHR, Bangalore in different crops.
5. Production system and thematic area	:	The higher yield was recorded by reducing the incidence of weeds in Cabbage by reducing the cost of cultivation.
6. Performance of the Technology with performance indicators	:	The technology is very effective in reducing the weeds incidence and increasing the yield
7. Final recommendation for micro level situation	:	This technology can be recommended for weed management in cabbage.
8. Constraints identified and feedback for research	:	There are no constraints in this technology
9. Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology and found adoptive.

1. Title of on-farm trials	:	**Nutrient management in tomato**
2. Problem diagnose	:	Nutrient management
3. Details of technologies selected for assessment/refinement	:	RDF(25 t FYM+ 60:50:30 NPK kg/ha) + Borax + $CaCl_2$/ $Ca(NO_3)_2$ Calcium and boron help in flower initiation, pollination & better fruit development.
4. Source of technology	:	Use of Macro and micro nutrients were found effective in IIHR, Bangalore and other SAU, in Tomato crops.
5. Production system and thematic area	:	The higher yield was recorded by nutrient management in tomato
6. Performance of the Technology with performance indicators	:	The technology is very effective in integrated nutrient management.
7. Final recommendation for micro level situation	:	This technology can be recommended for integrated nutrient management.
8. Constraints identified and feedback for research	:	There are no constraints in this technology
9. Process of farmers participation and their reaction	:	Farmers were very much impressed in this technology and found adoptive.

3.2 Achievements of Frontline Demonstrations

a. **Follow-up for results of FLDs implemented during previous years**

List of technologies demonstrated during previous years and popularized during 2006-07 and recommended for large scale adoption in the district

S. No	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
1.	Introduction of variety	Groundnut (GPBD-4)	• FLD • Training • Field day • Publication	50	3500-4000	85
2.	Introduction of variety	Soyabean (JS-335)	• FLD • Training • Field day • Publication	121	17000-17500	360
3.	Introduction of variety	Foxtail millet (HMT-100-1)	• FLD • Training • Field day • Publication	160	6000-7500	190
4.	Introduction of variety	Little millet (Sukshema)	• FLD • Training • Field day • Publication	135	5000-6250	210

b. Details of FLDs implemented during 2006-07

1. Oil seeds

Sl.No.	Crop	Thematic area	Technology Demonstrated	Season Andyear	Area (ha)		No. of farmers/ demonstration		
					Proposed	Actual	SC/ST	Others	Total
1.	Groundnut	Varietal Evaluation	• Improved varieties TGLPS3 • FeSO4 & ZnSO4 Soil application @ 10 kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @ 4 g/kg. • Rhizobium treatment @ 400 gm/ha.	Kharif 2006-07	10	10	3	7	10
2.	Sunflower	Varietal Evaluation	• Sunflower hybrid (KBSH-1) • Wider spacing (90 cm X 30 cm) • Imidacloprid (5 g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	Kharif 2006-07	10	10	4	8	12
3.	Soyabean	Varietal Evaluation	• High yielding varieties (JSS-335). • $ZnSO_4$ –12 kg/ha • Rhizobium & PSB treatment @ 400 g/ha • Urea spray @ 2% at 50 % flowering • Soil application of Biozyme @ 20 ml/ha.	Kharif 2006-07	10	10	5	20	25
4.	Sesamum	Varietal Evaluation	• Improved variety • Rhizobium and PSB @ 400 g/ha • Vermicompost @5 q/ha	Kharif 2006-07	10	05	3	10	13
5.	Groundnut	Varietal Evaluation	• Improved varieties (GPBD-4). • Soil application $FeSO_4$ & $ZnSO_4$ @ 10kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @4gm/kg. • Rhizobium treatment @ 400 gm/ha.	Rabi 2006-07	10	10	2	8	10

6.	Sunflower	Varietal Evaluation	• Sunflower hybrid (KBSH-1) • Wider spacing (90 cm X 30 cm) • Imidacloprid (5 g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	Rabi 2006-07	10	05	3	9	12
7.	Safflower	Varietal Evaluation	• Safflower variety (A-1) • Management of Aphids • Application of FeSO4 and ZnSO4	Rabi 2006-07	10	05	2	10	12

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (NPK)	Previous crop	Sowing date	Harvest date	Seasonal rainfal (mm)	No. of rainy days
Groundnut	Kharif	RF	Alfisol	Not Analyzed	Bengalgram, Sorghum & Sunflower	I week of July	II week of November	650	36
Soyabean	Kharif	Rf	Vertisols		Sunflower, Safflower, Bengalgram, Sorghum	III week of June	II week of September	650	36
Sunflower	Kharif	RF	Vertisols and Alfisols		Maize, Groundnut Jowar, Redgram and Cotton	July II week	November III week	650	36
Sesamum	Kharif	RF	Alfisols		Sunflower, Redgram, Sorghum	II fortnight of July	II fortnight of October	650	36
Groundnut	Rabi	Irrigated	Vertisol and Alfisol		Cotton, Maize, Sorghum & Sunflower	First week of January	II week of May	-	-
Sunflower	Rabi	Borwell/ RF	Red, Medium black		Jawar, Groundnut, Brinjal, Tomato,	II Week of December	II Week of March	-	-
Safflower	Rabi	RF	Red and Medium black		Paddy, Sunflower, Maize, Ragi, Sorghum, Cotton,	II week of December	II week of March	-	-

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area(ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Groundnut	• Improved varieties TGLPS3 • $FeSO_4$ & $ZnSO_4$ Soil application @ 10 kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @ 4 g/kg. • Rhizobium treatment @ 400 gm/ha.	TGPLPS-3	10	10	17.7	15.4	16.30	13.5	21%	16.30	13.5
2.	Sunflower	• Sunflower hybrid (KBSH-1) • Wider spacing (90cmX30 cm) • Imidacloprid (5g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	KBSH-1	12	10	17.8	16.5	12.90	9.8	32%	12.90	9.8
3.	Soyabean	• High yielding varieties (JS-335). • $ZnSO_4$ –12 kg/ha • Rhizobium & PSB treatment @ 400 g/ha • Urea spray @ 2% at 50 % flowering • Soil application of Biozyme @ 20 ml/ha.	JS-335	25	10	17.6	16.5	17.00	13.50	26%	17.00	13.50
4.	Sesamum	• Improved variety • Rhizobium and PSB @ 400 g/ha • Vermicompost @5 q/ha	DS-1	13	05	2.7	2.1	2.50	1.90	31%	2.50	1.90
5.	Groundnut	• Improved varieties (GPBD-4). • Soil application $FeSO_4$ & $ZnSO_4$ @ 10 kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @ 4 gm/kg. • Rhizobium treatment @ 400 gm/ha.	GPBD-4	10	10	30.0	28.8	29.70	20.00	48.50%	29.70	20.00

1	2	3	4	5	6	7	8	9	10	11	12	13
6.	Sunflower	• Sunflower hybrid (KBSH-1) • Wider spacing (90cmX30 cm) • Imidacloprid (5 g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	KBSH-1	12	05	9.1	7.6	8.3	6.7	24%	8.3	6.7
7.	Safflower	• Safflower variety (A-1) • Management of Aphids • Application of FeSO4 and ZnSO4	A-4	12	05	6.1	4.5	5.5	4.2	31%	5.5	4.2

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
11846	10440	35860	29700	24014	19260	1:2.0
6446	5845	22950	18225	16504	12380	1: 2.5
8037	7070	24510	18620	16473	11550	1: 2.0
3161	2725	11250	8550	8089	5825	1: 2.6
10556	10200	95040	64000	84484	53800	1:8.00
4152	3625	16600	13400	12448	9775	1:2.4
3060	2742	10350	6330	7290	3588	1:2.38

2. Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration		
					Proposed	Actual	SC/ST	Others	Total
1.	Redgram	Varietal Evaluation	• Improved variety (ASHA) • RDF-25: 50 : 12.5 NPK kg /ha • Seed treatment with Trichoderma(4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray	Kharif 2006-07	10	10	3	19	21
2.	Greengram	Varietal Evaluation	• Improved variety S-4 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha)	Kharif 2006-07	10	10	6	19	25
3.	Blackgram	Varietal Evaluation	• Improved variety Like TAU-1 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha)	Kharif 2006-07	10	10	2	8	10
4.	Bengalgram	Varietal Evaluation	• Improved variety ICCV(37) • Nipping 45-50 DAS • Seed treatment with Trichoderma(4g/kg)	Rabi 2006-07	05	05	3	9	12

Details of farming situation

Crop	Season	Farming situation (Rf/Irrigated)	Soil type	Status of soil (NPK)	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
Redgram	Kharif	RF	Alfisols and Vertisols	Not Analyzed	Sunflower, Maize, Cotton, Bengalgram, Sorghum	III week of July	III week of January.	650	36
Greengram	Kharif	RF	Alfisols and Vertisols		Safflower, Jowar, Sunflower, Sorghum, Cotton, Bengalgram	II week of July	II week of October	650	36
Blackgram	Kharif	RF	Alfisols and vertisols		Rabi Jowar, Bengalgram and cotton	II Fort night of June	II Fort night of October	650	36
Bengalgram	Rabi	RF	Medium black		Maize, Sorghum, Cotton, Sunflower	Last week of November	First week of February	50	3

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase In yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Redgram	• Improved variety (ASHA) • RDF-25: 50 : 12.5 NPK kg /ha • Seed treatment with Trichoderma(4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray	Asha	21	10	21.00	7.5	10.50	8.00	31 %	10.50	8.00
2.	Greengram	• Improved variety S-4 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha)	S-4	25	10	3.5	2.8	3.10	2.3	34%	3.10	2.3
3.	Blackgram	• Improved variety Like TAU-1 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha)	TAU-1	10	10	6.4	5.4	6.0	4.5	33 %	6.0	4.5
4.	Bengalgram	• Improved variety ICCV(37) • Nipping 45-50 DAS • Seed treatment with Trichoderma (4g/kg)	ICCV-37	12	05	8.5	6.8	7.4	6.3	17.46%	7.4	6.3

Economic Impact

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
6710	5425	18900	14400	12190	8975	1:1.82
2681	2250	8525	6325	5844	4075	1: 2.2
3094	2670	18000	13500	14906	10830	1: 4.8
4782	4670	17390	14805	12608	10135	1:2.64

3. Horticulture Crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration		
					Proposed	Actual	SC/ST	Others	Total
1.	Onion	Varietal evaluation	• Introduction of HYV (Arka kalyan). • Application of RDF (30 t FYM + 125 : 50 : 125 kg NPK/ ha.) • Seed treatment with Trichoderma (4 g/kg)	Kharif 2006-07	05	05	2	8	10
2.	Garlic	INM	• Application of sulphur containing fertilizer (125 : 62.5 :62.5 kg NPK / ha.) • Clove treatment with Trichoderma (4 gm/kg)	Kharif 2006-07	02	02	2	8	10
3.	Aster	Varietal evaluation	• Introduction of HYV (Kamini, Phule Purple, etc.,) • Adoption of RDF (20 t FYM + 180 : 120 : 60 NPK kg / ha.)	Kharif 2006-07	03	03	3	5	08

4.	Chrysanthemum	Varietal evaluation	• Introduction of cuttings of improved and HYV (coloured varieties) • Spraying with plant growth regulators • Adoption of RDF 20 t FYM + 100 :150 : 100 kg NPK /ha.)	Kharif 2006-07	05	05	2	6	08
5.	Tomato	Varietal evaluation	• Introduction of University bred hybrids (DMT-1/ Nandi) • Adoption of INM (30 t FYM + 250 : 250 : 250 kg NPK + VAM/ ha.) • Growing African marigold as catch crop • Seed treatment with Trichderma (4 gm/kg)	Kharif 2006-07	01	01	-	05	05
6.	Cabbage	INM	• Adoption of ICM (25 t FYM + 150 : 100 : 125 kg NPK + COT/GOT 1.5 t / ha.) • Intercropping with bold mustard seeds • Use of NSKE (5%) • Erection of light traps (10 Nos/ha)	Kharif 2006-07	01	01	3	7	10

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (NPK)	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
Onion	Kharif	RF	Red	Not analyzed	Maize, Cotton, Bengalgram, Sorghum	II week of June	III week of September	602	32
Garlic	Kharif	RF	Black		Safflower, Jowar, Sorghum, Cotton, Bengalgram	II week of June	III week of October	602	32

Aster	Kharif	Irrigated	Red		Rabi Jowar, Bengalgram	II week of June	III week of September	602	32
Chrysanthemum	Kharif	Irrigated	Red		Maize, Sorghum, Sunflower	II week of June	III week of September	602	32
Tomato	Kharif	RF	Red		Maize, Cotton, Sunflower	II week of June	III week of September	602	32
Cabbage	Kharif	RF	Red		Maize, Sorghum, Sunflower	II week of June	III week of September	602	32

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Onion	• Introduction of HYV (Arka kalyan). • Application of RDF (30 t FYM +125 : 50 : 125 kg NPK/ ha.) • Seed treatment with Trichoderma(4 g/kg)	Arak kalayn	10	05	6.20	4.30	5.82	4.64	25.48	5.82	4.64
2	Garlic	• Application of sulphur containing fertilizer (125 : 62.5 :62.5 kg NPK / ha.) • Clove treatment with Trichoderma(4 gm/kg)	Local	10	02	6.15	4.40	5.30	3.70	43.24	5.30	3.70

3.	Aster	• Introduction of HYV (Kamini, Phule Purple, etc.,) • Adoption of RDF (20 t FYM + 180 : 120 : 60 NPK kg / ha.)	Kamini, Pule yashoda	08	03	4.5	3.7	4.1	2.5	64	4.1	2.5
4.	Chrysanthemum	• Introduction of cuttings of improved and HYV (coloured varieties) • Spraying with plant growth regulators • Adoption of RDF 20 t FYM + 100 :150 : 100 kg NPK /ha.)	Idira, chandric	10	05	11.20	8.50	10.11	7.5	34.8	10.11	7.5
5.	Tomato	• Introduction of University bred hybrids (DMT-1/ Nandi) • Adoption of INM (30 t FYM + 250 : 250 : 250 kg NPK + VAM/ ha.) • Growing African marigold as catch crop • Seed treatment with Trichderma (4 gm/kg)	D.M.T.-1	05	01	13.10	9.10	12.20	9.80	24.48	12.20	9.80
6.	Cabbage	• Adoption of ICM (25 t FYM + 150 : 100 : 125 kg NPK + COT/GOT 1.5 t / ha.) • Intercropping with bold mustard seeds • Use of NSKE (5%) • Erection of light traps (10 Nos/ha)	Private	10	01	18.00	11.00	16.05	12.35	29.95	16.05	12.35

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
18885	16900	83600	63200	64715	49700	3.42
23440	22050	98100	72000	74660	49950	3.1
29668.75	28900	148500	114000	118831.25	85100	4.00
60212.50	57250	253750	192500	193537.5	135250	3.21
16815	16030	61500	44500	44685	28470	2.66
17482	16660	65440	49600	47958	33000	2.74

4. Cotton

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration		
					Proposed	Actual	SC/ST	Others	Total
1	**Cotton**	Introduction of High yielding variety Extra long staple (ELS)	• Improved variety MRCH-6918 • Seed treatment with Imdacloprid 10 g/kg seeds • Seed treatment with Trichoderma (6g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray • Topping 60 – 70 DAS	Kharif 2006-07	10	10	5	20	25
2	**Cotton**	Introduction of High yielding variety	• Popularizing high yielding Variety like DDHC-11. • Nipping at 70 days after sowing. • Seed treatment with Trichoderma @ 8 g/kg seed against soil –borne diseases • Usage of Micronutrients/ Bio-fertilizers	Rabi 2006-07	10	10	6	19	25

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (NPK)	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
Cotton	Kharif	RF	Medium Black soil	Not analyzed	Maize, Sorghum	III week of June.	Last week of Dec.	650	36
Cotton	Rabi	RF	Black soil		Maize, Onion, Chilli,	III week of Sept..	II week of March	150	14

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
						H	L	A			Demo	Local
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Cotton	• Improved variety MRCH-6918 • Seed treatment with Imdacloprid 10 g/kg seeds • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray • Topping 60 – 70 DAS	MRCH-6918	25	10	18.70	16.90	17.93	14.90	20.60%	17.93	14.90
2	Cotton	• Popularizing high yielding Variety like DDHC-11. • Nipping at 70 days after sowing. • Seed treatment with Trichoderma @ 8 g/kg seed against soil -borne diseases • Usage of Micronutrients/ Bio-fertilizers	DDHC-11	25	10	6.4	5.4	5.82	4.64	25.48%	5.82	4.64

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
7029	7718	53790	44700	46761	36982	1:6.65
2630	2843	8148	6496	5518	3653	1:2.11

Analytical Review of component demonstrations

1) Oil Seeds

Crop	Season	Component		Farming Situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Groundnut	Kharif	1. Seed/Variety	Improved variety GPBD-4	RF	16.30	13.5	21
		2. Fertilizer management	1. RDF –25 : 50 : 25 2. Gypsum application - 500 kg /ha				
		3. Plant Protection	Seed treatment with *Trichoderma* 4 g/kg seed				
Soyabean	Kharif	1. Seed/Variety	Improved variety JS-335	Rf	17.00	13.50	26
		2. Fertilizer management	1.RDF – 25:35:25 2.Urea Spray (2%) at 50% Flowering. 3. $ZnSO_4$ @ 12 kg/ha.				
		3. Plant Protection	Rust management with Contaf @ 1ml/lt.				
Sunflower	Kharif	1.Seed/Variety	Improved variety KBSH-1	RF	12.90	9.8	32
		2.Fertilizer management	1.RDF – 35:50:35 2.Boron spray @ 0.2% at flowering				
		3.Plant Protection	Seed treatment with imidacloprid @ 5 gm/kg seed for Necrosis Management				
		4. Cultural practices	Wider spacing 90x60 cm				
Sesamum	Kharif	1. Seed/Variety	Improved variety DS-1	RF	2.50	1.90	31.5
Groundnut	Rabi	1. Seed/Variety	Improved variety GPBD-4	Irrigated	29.70	20.00	48.50
		2. Fertilizer management	1.RDF – 25:50:25 2.Gypsum application – 500 kg/ha				
		3. Plant Protection	Seed treatment with *Trichoderma* @ 4 gm/kg seeds				
Sunflower	Rabi	1. Seed/Variety	Improved variety KBSH-1	Borwell/ RF	8.3	6.7	24
		2. Fertilizer management	RDF –35: 50 : 35				
		3. Plant Protection	Seed treatment with Imidacloprid @5g/kg				
Safflower	Rabi	1. Seed/Variety	Improved variety Annigeri-1	Rainfed	5.5	4.2	31
		2. Fertilizer management	1.RDF – 35:50:35 2.Boron spray @ 0.2% at flowering				
		3. Plant Protection	Seed treatment with imidacloprid @ 5 gm/kg seed for Necrosis Management				
		4. Cultural practices	Wider spacing 90x60 cm				

2. Pulses

Crop	Season	Component		Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Redgram	Kharif	1. Seed/Variety	Improved variety Asha (ICPL- 87119)	RF	10.5	8.00	31.25
		2. Fertilizer management	RDF – 25 : 50 : 00				
		3. Plant Protection	1. Seed treatment with *Trichoderma* @ 4 gm/kg seed. 2. IPM practices				
Greengram	Kharif	1. Seed/Variety	Improved variety S-4	RF	3.1	2.3	34
		2. Fertilizer management	RDF – 25:50: 00				
		3. Plant Protection	1.Powdery mildew management with Bavistin @ 1g/lt. 2.Control of rust with mancozeb @ 2 g/L.				
Blackgram	Kharif	1. Seed/Variety	Improved variety TAU-1	RF	6.0	4.5	33
		2. Fertilizer management	INM –RDF- 25 : 50 :00				
		3. Plant Protection	1.Powdery mildew management with Bavistin @ 1 g/lt. 2.Control of rust with mancozeb @ 2 g/L.				
Bengalgram	Rabi	1. Seed/Variety	Improved variety Bheema	RF	7.4	6.3	17.46
		2. Fertilizer management	RDF– 25:50:00				
		3. Plant Protection	1. *Trichoderma* seed treatment @ 4 g/kg 2. Control of pod borer with malathion				
		4. Cultural practice	Nipping at 30-40 DAS				

3. Cotton

Crop	Season	Component		Farming situation	Average yield(q/ha)	Local check(q/ha)	Percentage increase in productivity over local check
Cotton	Kharif	1. Seed/Variety	MRCH-Bt-6918	RF	17.93	14.90	20.60
		2. Plant Protection	1. Vermicompost @ 2.5 q/ha. 2. *Trichoderma harzianum* (2.5 kg/ha. 3. Supply of Bhendi / Marigold/ Caster @ 250gm/ha. 4. Yellow Sticky traps @ 5 / ha. 5. Pheromone traps @ 5 traps / ha. 6. Nimbicidin @ 2.5 ltr/ha. 7. Agromix @ 2.5 ltr/ha. 8. Methomyl @ 250 gm/ha. 9. Confidor 250 ml/ha.				
		3. Combination of components	1. Vermicompost @ 2.5 q/ha. 2. *Trichoderma harzianum* (2.5 kg/ha. 3. Supply of Bhendi / Marigold/ Caster @ 250gm/ha. 4. Yellow Sticky traps @ 5 / ha. 5. Pheromone traps @ 5 traps / ha.				
Cotton	Rabi	1. Seed/Variety	D.D.H.C.-11	RF	5.82	4.64	25.48
		2. Bio-fertilizer	Vermicompsot, *Trichoderma* Bio agent ,				
		3. Fertilizer management	Agromin, 17:17:17				
		4. Plant Protection	Nimbicidin,				
		5. Combination of components	Vermicompsot , *Trichoderma* Bio agent, Agromin, 17:17:17				

4. Horticulture Crops

Crop	Season	Component		Farming situation	Average yield(q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Onion	Kharif	1. Seed/Variety	Seeds-Arka kalyan	Rf	20.30	15.00	35.33
		2. Fertilizer management	125 : 50 : 125 kg NPK/ ha.				
		3. Combination of components	Seed treatment with Trichoderma (4 g/kg)				
Garlic	Kharif	1. Fertilizer management	(125 : 62.5 :62.5 kg NPK / ha.	RF	05.30	3.70	43.24
		2. Combination of components	Clove treatment with Trichoderma (4 gm/kg)				

Aster	Kharif	1. Seed/Variety	Kamini, Phule Purple	Irrigated	4.1	2.5	64
		2. Fertilizer management	180 : 120 : 60 NPK kg / ha.				
Chrysanthemum	Kharif	1. Seed/Variety	Coloured varieties- Co-1, Chandrika	Irrigated	10.11	7.5	34.8
		2. Fertilizer management	100 :150 : 100 kg NPK /ha.)				
		3. Combination of components	Spraying with plant growth regulators				
Tomato	Kharif	1. Seed/Variety	DMT-1	RF	12.20	9.80	24.48
		2. Bio-fertilizer	VAM				
		3. Fertilizer management	INM (30 t FYM + 250 : 250 : 250 kg NPK /ha				
		4. Combination of components	Growing African marigold as catch crop Seed treatment with Trichderma (4 gm/kg)				
Cabbage	Kharif	1. Fertilizer management	25 t FYM + 150 : 100 : 125 kg NPK + COT/GOT 1.5 t / ha	RF	16.05	12.35	29.95
		2. Combination of components	Intercropping with bold mustard seeds Use of NSKE (5%) Erection of light traps (10 Nos/ha				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Farmers getting higher yields compared to local Method of practices
2	Proper usage of chemicals reduced the number of sprays for the control of pest & diseases
3	Demonstration on broad cast onion and garlic
4	Intercropping demonstrations in Horticulture crops
5	Integrated cultivation practices for Agriculture/ Horticulture crops.
6	Storage studies in onion and garlic

Farmers' reactions on specific technologies

S. No	Feed Back
1	Farmers having good opinion about the technology demonstrated and it can reduced the cost of cultivation
2	Cultivation of Aster and Chrysanthemum found ruminative crops
3	Use of weedicides in vegetables
4	Large scale demonstration of vegetables and flower crops

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants
1	**Field days**			
	Groundnut (TGLPS-3)	01	16.10.2006	78
	Cotton(MRC-6918	01	16.10.2006	86
2	**Farmers Training**			
Groundnut	Off campus	02	16.06.2006	22
			19.08.2006	18
	On campus	01	22.06.2006	10
Soyabean	Off campus	02	12.06.2006	40
			22.07.2006	
	On campus	01	18.06.2006	25
Sunflower	Off campus	03	26.07.2006	47
			30.08.2006	
			22.09.2006	
	On campus	01	28.07.2006	15
Redgram	Off campus	03	16.06.2006	65
			30.07.2006	
			08.09.2006	
Black gram	Off campus	02	22.06.2006	21
			29.08.2006	
Green gram	Off campus	03	17.06.2006	60
			23.07.2006	
			09.09.2006	
Sesamum	Off campus	02	04.06.2006	40
			07.08.2006	
	On campus	01	06.07.2006	26
Bengal gram	Off campus	02	10.10.2006	36
			18.11.2006	
Ground nut	Off campus	02	03.10.2006	46
			12.11.2006	
	On campus	01	08.10.2006	09
Safflower	Off campus	02	07.10.2006	60
			16.11.2006	
	On campus	01	15.10.2006	16
3	**Media coverage**	02	08.06.2006	-
			14.10.2006	-
4	**Training for extension functionaries**	-	-	-

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Remarks
T/D pneumatic planter	Use of implements yet to be Demonstrated
Inclined plate planter (Animal drawn)	
Kamadhenu Bullock drawn tractor	
Rotavator	

3.3 Achievements on Training

C) ON Campus : Farmers/ Farm women

Date	Title of the training programme	*Duration* in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9
23/11/2006	Day to Day management of Dairy farming SHG's Women	2	0	12	12	0	6	6
26/11/2006	Role of Bio agents for disease management	1	28	4	32	2	0	2
27/11/2006	Integrated Pest Management (IPM) in Redgram	1	18	2	20	2	0	2
29/11/2006	EDP in vegetables	1	5	20	25	2	3	5
30/11/2006	EDP in vegetables	1	5	20	25	2	3	5
4/12/2006	Role of Women in organic farming	1	1	20	21	0	7	7
4/12/2006	Vermicompost production Technology	1	0	19	19	0	3	3
19/12/2006	EDP in vegetables	1	9	9	18	3	0	3
20/12/2006	Day to Day management of Dairy farming & Maintences of SHG records to Women (SHG's)	2	1	22	23	0	8	8
22/12/2006	Improve Practices and methods of irrigation in Summer Groundnut	1	8	0	8	2	0	2
8/01/2007	Market Orientation for vegetable crop	1	55	0	55	0	0	0
10/01/2007	Methods of Composting	1	1	19	20	2	3	5
11/01/2007	Mulberry pests and their management	2	1	19	20	2	3	5
19/01/2007	Improved cultivation practices of Rabi crops	1	2	21	23	0	1	1
20/01/2007	Role of honey bees in pollination of crops	1	2	21	23	0	1	1
24/01/2007	Management of Sunflower Necrosis in Summer crop	1	11	0	11	1	0	1
29/01/2007	Improved cultivation practices of Safflower	1	10	0	10	2	0	2
1/3/2007	Vermicompost Production technology	2	0	8	8	0	5	5
17/03/2007	Management of Black rot disease of Cabbage	1	16	0	16	0	0	0
14/05/2007	Aster flower cultivation	1	10	0	10	0	0	0
4/06/2007	IDM in cotton	1	4	0	4	16	13	29
4/06/2007	Integrated disease management in Cotton	0	0	0	0	0	0	0
11/06/2007	IPM in cotton	1	23	5	28	4	0	4

1	2	3	4	5	6	7	8	9
12/06/2007	IDM in Soya bean	1	14	0	14	10	0	10
13/06/2007	IPM in Redgarm	1	10	0	10	0	0	0
14/06/2007	Nutrient management in millets	1	11	0	11	5	0	5
19/06/2007	Production techniques in Dolichos	1	13	1	14	0	0	0
18/06/2007	Improved production technology in Onion	1	32	0	32	0	0	0
20/06/2007	Production Practices in Aster	1	8	0	8	1	0	1
21/06/2007	Production Practices in Green chilli	1	12	0	12	0	0	0
22/06/2007	Production Technology in Blackgram	1	14	0	14	0	0	0
23/06/2007	Role of Bio agent for soil boren disease	1	11	0	11	0	0	0
25/06/2007	Importance of Clean & quality milk production	1	2	18	20	1	9	10
25/06/2007	Use of plant extracts for management of Foliar Diseases	1	12	0	12	0	0	0
26/06/2007	Income Generation activities in agriculture	1	12	0	12	0	0	0
28/06/2007	Oil seeds production technologies	2	20	0	20	3	4	7
23/8/2007	Vermicompost Production technology	1	0	26	26	0	0	0
30/8/2007	Promotion of farm mechanization practices in Vegetable	1	9	0	9	1	0	1
3/9/2007	Sunflower disease management	1	0	0	0	0	0	0
21/9/2007	Disease Management in Groundnut	1	30	0	30	0	0	0
24/9/2007	Pest Management in Groundnut	1	12	0	12	13	0	13

Rural youth

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
6/02/2007	Importance of composting in Agriculture	1	35	35	70	15	15	30
6/02/2007	Multiplication of fruit crops	1	35	35	70	15	15	30

Extension Officials

Date	Title of the training programme	*Duration* in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
28/03/2007	Epidemiologist Sheep pox and its control stagiest	1	0	32	32	0	0	0
29/03/2007	Bird flu and its control measures	1	0	33	33	9	0	9

OFF Campus : Farmers/ Farm women

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9
24/10/2006	Gypsum role in groundnut cultivation	1	22	3	25	4	1	5
6/11/2006	IDM in cotton	1	46	0	46	14	0	14
6/11/2006	IPM in Cotton	1	46	0	46	14	0	14
14/11/2006	Organic Farming	1	25	0	25	5	0	5
20/11/2006	IDM in Cotton	1	63	6	69	5	1	6
20/11/2006	IPM in Cotton	1	63	6	69	5	1	6
22/11/2006	Cultivation Practices in Cotton	1	49	15	64	11	5	16
22/11/2006	IDM in Cotton	1	49	15	64	11	5	16
22/11/2006	IPM in Cotton	1	49	15	64	11	5	16
24/11/2006	Safer use of pesticides	1	37	0	37	3	0	3
25/11/2006	SRI method cultivation of Paddy	1	11	0	11	4	0	4
11/12/2006	IPM in Cotton	1	26	10	36	5	3	8
11/12/2006	EDP in animal husbandry to SHG member	1	0	25	25	0	20	20
11/12/2006	IPM in cotton	1	27	13	40	7	5	12
11/12/2006	Maintence of records of SHG's (women)	1	0	24	24	0	10	10
1/01/2007	Safe handling of weedicides in Vegetables	1	37	6	43	7	0	7
4/01/2007	Water Management in Summer paddy	1	7	3	10	1	1	2
6/01/2007	Use of plant products in pest management	1	40	13	53	8	3	11
6/01/2007	Importance of Organic farming	1	11	0	11	3	0	3
7/01/2007	SRI method of paddy cultivation	1	10	0	10	2	0	2
9/01/2007	Irrigation Management in Banana	1	12	0	12	3	0	3

1	2	3	4	5	6	7	8	9
12/01/2007	EDP in vegetables	1	17	0	17	4	0	4
17/01/2007	Mango Campaign	1	12	0	12	3	0	3
17/01/2007	Plant Protection in Mango	1	22	0	22	3	0	3
18/01/2007	Mango Campaign	1	15	0	15	3	0	3
18/01/2007	Plant Protection in Mango	1	26	4	30	3	1	4
19/01/2007	EDP in vegetables	1	16	0	16	4	0	4
21/01/2007	Mango Campaign	1	12	0	12	3	0	3
22/01/2007	Disease Management in Rabi crops	1	7	30	37	3	6	9
22/01/2007	Biological control of Insect pests	1	7	30	37	3	6	9
22/01/2007	Organic farming and its importance in Maintaining soil fertility	1	7	30	37	3	6	9
27/01/2007	Disease Management by Biological method	1	36	5	41	5	2	7
31/01/2007	Improved Management practices for Watermelon	1	13	4	17	3	3	6
31/01/2007	Pest Management in Maize	1	13	4	17	3	3	6
3/02/2007	Production of Horticultural Crops through Organics	1	62	24	86	9	5	14
23/02/2007	Entrepreneurship development in vegetables	1	26	0	26	6	0	6
17/02/2007	Processing and Preservation of Fruits and Vegetables	1	0	22	22	0	5	5
5/03/2007	Preservation & post harvest handing of Horticulture	1	0	53	53	0	7	7
6/03/2007	Animal Housing	1	0	35	35	0	5	5
7/03/2007	Management of Buffaloes in summer	1	30	36	66	7	4	11
8/03/2007	IG activities for rural woman's In Agriculture	1	0	27	27	0	3	3
8/03/2007	Improved Production practices for flowers	1	0	22	22	0	3	3
8/03/2007	IG activities for rural woman's through Horticulture	1	0	27	27	0	3	3
8/03/2007	EDP in Agriculture	1	0	22	22	0	3	3
9/03/2007	Management of Dairy animals in summer	1	33	14	47	8	5	13
12/03/2007	Improved Production practices for Hy. Chilli	1	90	0	90	20	0	20
13/03/2007	Kitchen garden	1	0	22	22	0	3	3
14/03/2007	Role of Bio pesticides in pest management	1	0	28	28	0	6	6
25/03/2007	Management of Dairy animals in summer	1	38	13	51	12	7	19

1	2	3	4	5	6	7	8	9
9/04/2007	Mango Growers & exporters meet	1	20	0	20	10	0	10
16/04/2007	Betel vine cultivation practice	1	15	0	15	5	0	5
16/04/2007	Improved cultivation practices & pruninf techniqus in Jasmin	1	25	0	25	5	0	5
27/04/2007	Cotton disease Management	1	26	0	26	5	0	5
27/04/2007	Cotton disease Management	1	26	0	26	5	0	5
30/04/2007	Paddy disease Management	1	28	2	30	5	0	5
5/05/2007	Mango Growers, Purchasers & exporters meet	1	19	0	19	6	0	6
7/05/2007	Cotton disease Management	1	30	3	33	12	0	12
26/05/2007	Cotton Front Line Demonstration farmers	1	17	11	28	9	2	11
11/06/2007	Improved vegetable cultivation	1	23	0	23	7	0	7
12/06/2007	Disease Management in Soybean	1	30	10	40	3	2	5
13/06/2007	Integrated Nutrient Management in Small millets	1	30	5	35	5	4	9
13/06/2007	IPM in Red gram	1	35	5	40	4	4	8
25/06/2007	Management of cutworm in cotton	1	12	4	16	11	1	12
25/06/2007	Use of Trichoderma for management of Disease	1	15	4	19	8	1	9
25/06/2007	Contract farming in Agriculture	1	10	5	15	5	3	8
10/07/2007	Kitchen Garden(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Use of Trichoderma for seed treatment(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Use of Biopesticides in Agriculture(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Activities of KVK in Haveri district(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Clean milk production(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Contract farming in Agriculture(Krishi Andolana)	1	28	11	39	10	3	13
11/07/2007	Scope for Entrepreneurship in Horticulture	1	13	28	41	3	6	9
19/07/2007	Sugarcane disease Management	1	25	0	25	3	0	3
23/07/2007	Contract farming in Agriculture(Krishi Andolana)	1	40	9	49	8	5	13

1	2	3	4	5	6	7	8	9
23/07/2007	Use of Trichoderma for seed treatment(Krishi Andolana)	1	40	9	49	8	5	13
23/07/2007	Use of Bio pesticides in Agriculture(Krishi Andolana)	1	40	9	49	8	5	13
17/08/2007	Natural Farming(Krishi Andolana)	1	15	08	23	09	03	12
17/08/2007	Animal bi products and their usage in organic farming (Krishi Andolana)	1	09	05	14	05	03	08
17/08/2007	Kichen Graden(Krishi Andolana)	1	12	07	19	08	04	12
22/09/2007	Bio pesticides in Pest management	1	43	20	63	0	0	0
22/09/2007	Role of Trichoderma in Disease management	1	43	20	63	0	0	0
3/09/2007	organic methods for pest management	1	38	0	38	0	0	0

Rural youth

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
20/09/2006	Management of neck blast disease in Paddy	1	20	2	22	7	1	8
26/09/2007	Vermicompost Production technology	1	38	0	38	12	0	12
26/09/2007	Importance of Drip irrigation in Horticulture crops	1	38	0	38	12	0	12
20/09/2007	Clean milk production methods	1	14	7	21	4	1	5

Extension Officials

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			Male	Female	Total	Male	Female	Total
21/11/2006	Disease Management in Oil Seeds	1	43	0	43	2	0	2
21/11/2006	Pest Management in Oil Seeds	1	43	0	43	2	0	2
26/12/2006	EDP in Animal Husbandry	1	15	2	17	0	0	0
5/01/2007	Rain harvesting in Horticulture crops	1	11	0	11	4	0	4
6/01/2007	Rain harvesting in Horticulture crops	1	11	0	11	4	0	4

C) Consolidated table (ON and OFF Campus)

Farmers and Farm Women

Date	Title of the training program	*Duration* in days	Number of participants			Number of SC/ST		
			M	F	Total	M	F	Total
1	2	3	4	5	6	7	8	9
23/11/2006	Day to Day management of Dairy farming SHG's Women	2	0	12	12	0	6	6
26/11/2006	Role of Bio agents for disease management	1	28	4	32	2	0	2
27/11/2006	Integrated Pest Management (IPM) in Redgram	1	18	2	20	2	0	2
29/11/2006	EDP in vegetables	1	5	20	25	2	3	5
30/11/2006	EDP in vegetables	1	5	20	25	2	3	5
4/12/2006	Role of Women in organic farming	1	1	20	21	0	7	7
4/12/2006	Vermicompost production Technology	1	0	19	19	0	3	3
19/12/2006	EDP in vegetables	1	9	9	18	3	0	3
20/12/2006	Day to Day management of Dairy farming & Maintences of SHG records to Women (SHG's)	2	1	22	23	0	8	8
22/12/2006	Improve Practices and methods of irrigation in Summer Groundnut	1	8	0	8	2	0	2
8/01/2007	Market Orientation for vegetable crop	1	55	0	55	0	0	0
10/01/2007	Methods of Composting	1	1	19	20	2	3	5
11/01/2007	Mulberry pests and their management	2	1	19	20	2	3	5
19/01/2007	Improved cultivation practices of Rabi crops	1	2	21	23	0	1	1
20/01/2007	Role of honey bees in pollination of crops	1	2	21	23	0	1	1
24/01/2007	Management of Sunflower Necrosis in Summer crop	1	11	0	11	1	0	1
29/01/2007	Improved cultivation practices of Safflower	1	10	0	10	2	0	2
1/3/2007	Vermicompost Production technology	2	0	8	8	0	5	5
17/03/2007	Management of Black rot disease of Cabbage	1	16	0	16	0	0	0
14/05/2007	Aster flower cultivation	1	10	0	10	0	0	0
4/06/2007	IDM in cotton	1	4	0	4	16	13	29
4/06/2007	Integrated disease management in Cotton	0	0	0	0	0	0	0

1	2	3	4	5	6	7	8	9
11/06/2007	IPM in cotton	1	23	5	28	4	0	4
12/06/2007	IDM in Soya bean	1	14	0	14	10	0	10
13/06/2007	IPM in Redgarm	1	10	0	10	0	0	0
14/06/2007	Nutrient management in millets	1	11	0	11	5	0	5
19/06/2007	Production techniques in Dolichos	1	13	1	14	0	0	0
18/06/2007	Improved production technology in Onion	1	32	0	32	0	0	0
20/06/2007	Production Practices in Aster	1	8	0	8	1	0	1
21/06/2007	Production Practices in Green chilli	1	12	0	12	0	0	0
22/06/2007	Production Technology in Blackgram	1	14	0	14	0	0	0
23/06/2007	Role of Bio agent for soil boren disease	1	11	0	11	0	0	0
25/06/2007	Importance of Clean & quality milk production	1	2	18	20	1	9	10
25/06/2007	Use of plant extracts for management of Foliar Diseases	1	12	0	12	0	0	0
26/06/2007	Income Generation activities in agriculture	1	12	0	12	0	0	0
28/06/2007	Oil seeds production technologys	2	20	0	20	3	4	7
23/8/2007	Vermicompost Production technology	1	0	26	26	0	0	0
30/8/2007	Promotion of farm mechanization practices in Vegetable	1	9	0	9	1	0	1
3/9/2007	Sunflower disease management	1	0	0	0	0	0	0
21/9/2007	Disease Management in Groundnut	1	30	0	30	0	0	0
24/9/2007	Pest Management in Groundnut	1	12	0	12	13	0	13
Off Campus								
24/10/2006	Gypsum role in groundnut cultivation	1	22	3	25	4	1	5
6/11/2006	IDM in cotton	1	46	0	46	14	0	14
6/11/2006	IPM in Cotton	1	46	0	46	14	0	14
14/11/2006	Organic Farming	1	25	0	25	5	0	5
20/11/2006	IDM in Cotton	1	63	6	69	5	1	6
20/11/2006	IPM in Cotton	1	63	6	69	5	1	6
22/11/2006	Cultivation Practices in Cotton	1	49	15	64	11	5	16
22/11/2006	IDM in Cotton	1	49	15	64	11	5	16
22/11/2006	IPM in Cotton	1	49	15	64	11	5	16
24/11/2006	Safer use of pesticides	1	37	0	37	3	0	3
25/11/2006	SRI method cultivation of Paddy	1	11	0	11	4	0	4
11/12/2006	IPM in Cotton	1	26	10	36	5	3	8
11/12/2006	EDP in animal husbandry to SHG member	1	0	25	25	0	20	20
11/12/2006	IPM in cotton	1	27	13	40	7	5	12

1	2	3	4	5	6	7	8	9
11/12/2006	Maintence of records of SHG's (women)	1	0	24	24	0	10	10
1/01/2007	Safe handling of weedicides in Vegetables	1	37	6	43	7	0	7
4/01/2007	Water Management in Summer paddy	1	7	3	10	1	1	2
6/01/2007	Use of plant products in pest management	1	40	13	53	8	3	11
6/01/2007	Importance of Organic farming	1	11	0	11	3	0	3
7/01/2007	SRI method of paddy cultivation	1	10	0	10	2	0	2
9/01/2007	Irrigation Management in Banana	1	12	0	12	3	0	3
12/01/2007	EDP in vegetables	1	17	0	17	4	0	4
17/01/2007	Mango Campaign	1	12	0	12	3	0	3
17/01/2007	Plant Protection in Mango	1	22	0	22	3	0	3
18/01/2007	Mango Campaign	1	15	0	15	3	0	3
18/01/2007	Plant Protection in Mango	1	26	4	30	3	1	4
19/01/2007	EDP in vegetables	1	16	0	16	4	0	4
21/01/2007	Mango Campaign	1	12	0	12	3	0	3
22/01/2007	Disease Management in Rabi crops	1	7	30	37	3	6	9
22/01/2007	Biological control of Insect pests	1	7	30	37	3	6	9
22/01/2007	Organic farming and its importance in Maintaining soil fertility	1	7	30	37	3	6	9
27/01/2007	Disease Management by Biological method	1	36	5	41	5	2	7
31/01/2007	Improved Management practices for Watermelon	1	13	4	17	3	3	6
31/01/2007	Pest Management in Maize	1	13	4	17	3	3	6
3/02/2007	Production of Horticultural Crops through Organics	1	62	24	86	9	5	14
23/02/2007	Entrepreneurship development in vegetables	1	26	0	26	6	0	6
17/02/2007	Processing and Preservation of Fruits and Vegetables	1	0	22	22	0	5	5
5/03/2007	Preservation & post harvest handing of Horticulture	1	0	53	53	0	7	7
6/03/2007	Animal Housing	1	0	35	35	0	5	5
7/03/2007	Management of Buffaloes in summer	1	30	36	66	7	4	11
8/03/2007	IG activities for rural woman's In Agriculture	1	0	27	27	0	3	3
8/03/2007	Improved Production practices for flowers	1	0	22	22	0	3	3
8/03/2007	IG activities for rural woman's through Horticulture	1	0	27	27	0	3	3

1	2	3	4	5	6	7	8	9
8/03/2007	EDP in Agriculture	1	0	22	22	0	3	3
9/03/2007	Management of Dairy animals in summer	1	33	14	47	8	5	13
12/03/2007	Improved Production practices for Hy. Chilli	1	90	0	90	20	0	20
13/03/2007	Kitchen garden	1	0	22	22	0	3	3
14/03/2007	Role of Bio pesticides in pest management	1	0	28	28	0	6	6
25/03/2007	Management of Dairy animals in summer	1	38	13	51	12	7	19
9/04/2007	Mango Growers & exporters meet	1	20	0	20	10	0	10
16/04/2007	Betel vine cultivation practice	1	15	0	15	5	0	5
16/04/2007	Improved cultivation practices & pruninf techniqus in Jasmin	1	25	0	25	5	0	5
27/04/2007	Cotton disease Management	1	26	0	26	5	0	5
27/04/2007	Cotton disease Management	1	26	0	26	5	0	5
30/04/2007	Paddy disease Management	1	28	2	30	5	0	5
5/05/2007	Mango Growers, Purchasers & exporters meet	1	19	0	19	6	0	6
7/05/2007	Cotton disease Management	1	30	3	33	12	0	12
26/05/2007	Cotton Front Line Demonstration farmers	1	17	11	28	9	2	11
11/06/2007	Improved vegetable cultivation	1	23	0	23	7	0	7
12/06/2007	Disease Management in Soybean	1	30	10	40	3	2	5
13/06/2007	Integrated Nutrient Management in Small millets	1	30	5	35	5	4	9
13/06/2007	IPM in Red gram	1	35	5	40	4	4	8
25/06/2007	Management of cutworm in cotton	1	12	4	16	11	1	12
25/06/2007	Use of Trichoderma for management of Disease	1	15	4	19	8	1	9
25/06/2007	Contract farming in Agriculture	1	10	5	15	5	3	8
10/07/2007	Kitchen Garden(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Use of Trichoderma for seed treatment(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Use of Biopesticides in Agriculture(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Activities of KVK in Haveri district(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Clean milk production(Krishi Andolana)	1	28	11	39	10	3	13
10/07/2007	Contract farming in Agriculture(Krishi Andolana)	1	28	11	39	10	3	13
11/07/2007	Scope for Entrepreneurship in Horticulture	1	13	28	41	3	6	9
19/07/2007	Sugarcane disease Management	1	25	0	25	3	0	3

1	2	3	4	5	6	7	8	9
23/07/2007	Contract farming in Agriculture(Krishi Andolana)	1	40	9	49	8	5	13
23/07/2007	Use of Trichoderma for seed treatment(Krishi Andolana)	1	40	9	49	8	5	13
23/07/2007	Use of Bio pesticides in Agriculture(Krishi Andolana)	1	40	9	49	8	5	13
17/08/2007	Natural Farming(Krishi Andolana)	1	15	08	23	09	03	12
17/08/2007	Animal bi products and their usage in organic farming (Krishi Andolana)	1	09	05	14	05	03	08
17/08/2007	Kichen Graden(Krishi Andolana)	1	12	07	19	08	04	12
22/09/2007	Bio pesticides in Pest management	1	43	20	63	0	0	0
22/09/2007	Role of Trichoderma in Disease management	1	43	20	63	0	0	0
3/09/2007	organic methods for pest management	1	38	0	38	0	0	0

Rural youth

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			M	F	Total	M	F	Total
6/02/2007	Importance of composting in Agriculture	1	35	35	70	15	15	30
6/02/2007	Multiplication of fruit crops	1	35	35	70	15	15	30
Off campus								
20/09/2006	Management of neck blast disease in Paddy	1	20	2	22	7	1	8
26/09/2007	Vermicompost Production technology	1	38	0	38	12	0	12
26/09/2007	Importance of Drip irrigation in Horticulture crops	1	38	0	38	12	0	12
20/09/2007	Clean milk production methods	1	14	7	21	4	1	5

Extension Personnel

Date	Title of the training programme	Duration in days	Number of participants			Number of SC/ST		
			M	F	Total	M	F	Total
On campus								
28/03/2007	Epidemiologist Sheep pox and its control stagiest	1	0	32	32	0	0	0
29/03/2007	Bird flu and its control measures	1	0	33	33	9	0	9
Offcampus								
21/11/2006	Disease Management in Oil Seeds	1	43	0	43	2	0	2
21/11/2006	Pest Management in Oil Seeds	1	43	0	43	2	0	2
26/12/2006	EDP in Animal Husbandry	1	15	2	17	0	0	0
5/01/2007	Rain harvesting in Horticulture crops	1	11	0	11	4	0	4
6/01/2007	Rain harvesting in Horticulture crops	1	11	0	11	4	0	4

(D) Vocational training programmes for Rural Youth : Nil

E) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants							Sponsoring Agency
					PF/RY/ EF		Male		Female		Total			
							Others	SC/ ST	Others	SC/ ST	Others	SC/ ST	Total	
1.	EDP in vegetables	Small scale income generating enterprises	November -06	1	PF/RY	01	05	02	20	03	25	05	30	KSDH, Haveri
2.	EDP in vegetables		November -06	1	PF/RY	01	05	02	20	03	25	05	30	KSDH, Haveri
3.	EDP in vegetables		December -06	1	PF/Ry	01	09	03	-	-	09	03	11	KSDH, Haveri
4.	EDP in vegetables		December -06	1	PF/Ry	01	09	03	-	-	09	03	11	KSDH, Haveri
5.	State level seminar on production processing and marketing of vegetable crops	Integrated crop management	December -06	1	PF/Ry	01	132	42	220	47	174	267	441	NHRDF, Hubli
6.	Market orientation of Vegetable crops	-	January-07	1	PF/RY/ EF	01	55	-	-	-	55	-	55	KSDH, Haveri
7.	Quality production and Marketing of Mango	Integrated crop management	January-07	1	PF	01	105	06	01	-	106	06	112	ABEK,UAS,DWD
8.	District Level Chilli seminar	Integrated crop management	March-07	1	PF	01	55	04	01	06	56	10	66	KSDH, Haveri
9.	Promotion of farm mechanization practices in vegetables	Resource conservation technology	August-07	1	PF	01	09	01	-	-	09	01	10	KSDH, Haveri
10.	Organic farming in Horticulture Crops	Integrated farming system	August-07	5	PF/Ry	01	73	14	03	-	76	14	90	KSDH, Haveri
Total				**13**		**10**	**457**	**77**	**265**	**59**	**544**	**314**	**856**	

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	02	138	26	164	-	-	-	138	26	164
Kisan Ghosthi	12	205	102	307	5	3	8	210	105	315
Exhibition	1	250	300	550	5	5	10	255	305	560
Film Show	7	51	130	181	-	-	-	51	130	181
Method Demonstrations	15	219	43	262	47	1	48	266	44	310
Farmers Seminar	6	161	1	162	13	1	14	174	2	176
Lectures delivered as resource persons	9	175	25	200	-	-	-	175	25	200
Newspaper coverage	4	-	-	-	-	-	-	-	-	-
Radio talks	08	-	-	-	-	-	-	-	-	-
TV talks	07	-	-	-	-	-	-	-	-	-
Popular articles	08	-	-	-	-	-	-	-	-	-
Extension Literature	03	-	-	-	-	-	-	-	-	-
Advisory Services	164	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	62	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	50	61	10	71	-	-	-	61	10	71
Animal Health Camp	08	-	-	-	-	-	-	-	-	-
Celebration of important days										
World Food Day	1	20	17	37	-	-	0	20	17	37
Agriculture woman day	1	20	16	36	-	-	0	20	16	36
Horticulture day	1	50		50	-	-	0	50	0	50
Total	**369**	**1350**	**670**	**2020**	**70**	**10**	**80**	**1420**	**680**	**2100**

3.5 Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
OILSEEDS	Groundnut	GPBD-4	70.9	2067.20	25
	Groundnut	DH-86	10.85	27125.00	20

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	OILSEEDS	81.75	29192.20	45

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Sapota	DSH-1	203	10150	**20**
	Sapota	DSH-2	142	7100	**10**
	Guava	L-49	10	200	**05**
	Papaya	-	2	10	**01**
	Pomegranate	Local	2	40	**01**
	Lime	-	35	175	**10**
SPICES	Tamarind	-	55	1100	**15**
VEGETABLES	Chakramani	-	24	600	**15**
	Curry leaf	Suhasini	420	2100	**25**

SUMMARY

Sl. No.	Crop	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	394	17675	47
2	VEGETABLES	444	2700	40
3	SPICES	55	1100	15
	TOTAL	**893**	**21475**	**102**

BIO-PRODUCTS : Nil

LIVESTOCK : Nil

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

(A) KVK News Letter

Date of start	Periodicity	Number of copies distributed
2005	Quarterly	300

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Sugarcane Sett Rot Deelopment as Influenced by soil Moisture & Soil Microflora	K.B. Yadahalli, S.S. Adiver Srikant Kulkarni	09
	Effect og pH, Temperature & Relative Humidity on growth and Development of Ceratocystis paradoxa- A Causal Organism of Pineappl	K.B. Yadahalli, S.S. Adiver Srikant Kulkarni	
	Evaluation of Pollen Supplement and substitute on Hiney and Pollen Stores of Honeybee, Apis cerana Fabricius	S. Prakash,`` N.S. Bhat, M.I.Naik B.C. Hanumanatha Swamy	
	Benefits and constrints in Adoption of Drip Irrigation Among the Plantation Crop Growers	K.K. Shashidara, A.Bheemappa, L.V. Hirevenkanagoudar K.C. Shashidhar	
	Adoption of Drip Irrigation Management Practices by Plantation Crop Growers	K.K. Shashidara, A.Bheemappa, L.V. Hirevenkanagoudar K.C. Shashidhar	
	Empowerment of women through Dairy Training	S.V. Halakatti, C.M. Sajjanar, D.S.M Gowda Vijayalaxmi Kamaraddi	
	Benefits and constrints in Adoption of Drip Irrigation Among the Plantation Crop Growers	K.K. Shashidara, A.Bheemappa, L.V. Hirevenkanagoudar K.C. Shashidhar	
	Adoption of Drip Irrigation Management Practices by Plantation Crop Growers	K.K. Shashidara, A.Bheemappa, L.V. Hirevenkanagoudar K.C. Shashidhar	
	Empowerment of women through Dairy Training	S.V. Halakatti, C.M. Sajjanar, D.S.M Gowda Vijayalaxmi Kamaraddi	
News letters	KVK, News letters	KVK, Scientists	04
Extension literature	Shade set in Horticulture Nursery	Dr. S.M. Hiremath	05
	Tarakari beejatpodanayali Jenu sakaneke	Dr. B.C.H. Swamy	
	Mavu – Phasalu samrakshana kramagalu	Dr. S.M. Hiremath, Dr. K.B. Yadahalli, Dr. B.C.H. Swamy, Dr. C.M.Sajjanar	
	Menasinakai beleya sudharit besaya	Dr. S.M. Hiremath, Dr. K.B. Yadahalli, Dr. B.C.H. Swamy	
	Hatti beleya rasa heeruva keetagala nirvane	Dr. B.C.H. Swamy Dr. K.B. Yadahalli Dr. S.M. Hiremath Dr. C.M.Sajjanar	

Technical bulletins	Mallige sudarith besaya kramagalu	Dr. S.M. Hiremath, Mr. D.S.M. Gouda, Dr. K.B. Yadahalli, Dr. K.K. Shashidhar	**09**
	Success story of Shivappa Basappa Hadimani	Mr. D.S.M. Gouda, Dr. S.M. Hiremath, Dr. K.B.Yadahalli, Dr.C.M.Sajjanar	
	Consultancy Services for Designing Laying and Conducting Farming System	Mr. D.S.M. Gouda, Dr. S.M. Hiremath, Dr. K.B.Yadahalli, Dr.C.M.Sajjanar	
	Vegetables production and post harvest technology	Dr. S.M. Hiremath, Mr. D.S.M. Gouda, Dr.C.M.Sajjanar, Dr. K.B.Yadahalli, Dr. B.C.H. Swamy, Dr. Sukanya T.S.	
	Success story of Shivappa Basappa Hadimani	Mr. D.S.M. Gouda, Dr. S.M. Hiremath, Dr. K.B.Yadahalli, Dr.C.M.Sajjanar	
	Ullagadde beleya mukya keetagala nirvahane	Dr. B.C.H. Swamy, Dr. K.B.Yadahalli, Dr. S.M. Hiremath	
	Velyayele sudarith besaya kramagalu	Dr. S.M. Hiremath, Mr. D.S.M. Gouda, Dr.B.C. H. Swamy, Mr. C.K. Beerajanvar	
	Uttama gunamattad mavu utpadane tantragyan mattu maratad vyavasthe	Dr. A.K. Rokhade, Mr. V.A. Mokhashi, Dr. H. B. Patil, Dr. S.M. Hiremath, Dr. B.C. Kamanna, Mr. S.N. Jadhav	
	Ullagadde belege baruva pramukha rogagala nirvahana kramagalu	Dr. K.B.Yadahalli, Dr. S.M. Hiremath, Dr. B.C.H. Swamy	
Popular articles	Totagarikeya Abhivruddi pathadatta Haveri jille	Dr.S.M.Hiremath, Dr. T.S. Suknya, Dr. B.C. H. Swamy	05
	Aharakke vaividyate needuva tarakari	Chandrappa K.B. Shashidhara K. K.	
	Raitara Abhivruddiyata Krishi Vigyan Kendra, Hanumanamatti	D.S.M. Gowda, S.M.Hiremath, C.M.Sajjanar	
	Haveri jillegondu Jaivika peedenashaka prayogalaya	Dr. K.B. Yadahalli, Dr.B.C.H. Swamy, Mr. D.S.M. Gowda	
	Kitagalinda bele samraksisalu bevu	Dr. B.C.H. Swamy, Dr. K.B. Yadahalli, Dr. S.M. Hiremath, Dr.K.K. Shashidra	
		TOTAL	**32**

(C) Details of Electronic Media Produced : Nil

3.7. Success Stories / Case studies,

1. Title: A successful farmer with Integrated Farming System approach

a) Back ground : Sri Shivappa Basappa Hadimani aged 60 years, resident of Magod village of Ranebennur taluka of Haveri district, he had education only upto Vth std. His major source of in come is through agriculture. He is head of the joint family constituting a total of 20 members, with land holding of 27 acres, of which 5 ha of land in rainfed. Before in his land he was following monocropping system, growing crops like sorghum local, little and foxtail millet, maize, sunflower and local vegetable crops alone. He was not having Horticulture, forestry plants in his land, similarly he was also not having poultry birds and vermi compost units. He had 2 buffaloes and 6 bullocks as animal component.

b) Interventions :

i) Process : During 2004-05 and 2005-06 farming system demonstrations under sujala project was implemented and demonstrated through Krishi Vigyan Kendra in the Maruti micro Watershed sanga, classified as micro watershed by sujala watershed organizations of Itagi subwatershed. Our Krishi Vigyan Kendra, conducted farming system demonstrations to promote the adoption of improved farming practices on major crops, introduced Horticulture plants, Sapota, Curryleaf and Lime, Animal husbandry (Giri rani Birds), Forestry (Teak) seedlings and construction of vermicompost twin units. The critical inputs distributed included improved seeds , Horticultural plants, sapota (DSH-1 and DSH-2), curryleaf (Suhavasini), teak seedlings etc. Similarly poultry birds (Girirani) 2 male and 10 female birds were distributed and twin vermicompost units were constructed.

ii)Technology :

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 provided.

Impact (Horizontal Spread , Economic gains & Employment Generation):

Sri Shivappa B.H. has followed all above practices through the advice of KVK scientists, 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 increased average yield of vegetable crops i.e., 56 q/ha compared to bench mark yield 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 during the past 10 months have laid more than 500 eggs earning an income of Rs. 1500/- per year. Further few eggs were allowed to hatch and the chicks obtained, were subsequently sold @ Rs.50/- each bird of one month old. Similarly aged birds were sold for meat purpose locally @ Rs.300/- bird. The total earning from these animal components was Rs. 15000/- per year. In his farm construction of vermicompost twin units was takenup and efficient strain of earth worms were supplied for initiating vermi composting. He has produced 7 q/year/twin units. The overall additional income of Shri. Shivappa B.H. Magod, increased to Rs. 50034/- per year (73%) over bench mark income of Rs. 13440/- per year.The benefit from every Rupee spent increased from 0.74 to 1.32 rupees

2) Title : Diversification of Spice products through value addition - A case study of Kabbur Industries of Byadgi.

Back ground :

Value addition to spices to increase their utility and ready to use forms, various small scale industries have cropped up finding their own methodology for processing, value addition and marketing thereafter. One such successful venture exists in the traditional chilli belt of India i.e., Byadgi of Northern Karnataka. Kabbur Enterprises was started in the year 1989 with trading business in chillies, as it was the traditional family business since 1930, with six partners within the family. Later seeing the prospects and growing demand for Chilli powdering unit, Kabbur Enterprises started its own chilly powdering unit in their own ancestral property in 1992, with one pulverizer of 25 HP capacity. Later, as there was heavy demand for powdering unit, 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. Later, in 1998, Kabbur Enterprises started with its own branded products in Pouches by the brand name KABBUR'S', Initially it started with two qualities of Chilli Powder and one quality of Turmeric. Later, 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 to the different places. It is a partnership & tiny sector firm. Company is based on the partnership, but notable feature being that the partners has 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.

Intervention

The Surname Kabbur family was involved in trading of chillies bulk purchase (local market) & then it was powdered & sold to other parties as a brand name of KABBUR'S . Besides, cold storage unit was established for handling chillis for post harvest processing Small-scale industries for storage of various products and subsequent value addition processing.

Technology for Marketing Network:

Kabbur industries has adopted its own chain of methodologies for value addition to spice crops.

Most of the products are marketed in Northern and Costal Karnataka, through middlemen, distributors & own van sales. Annually sales is to the tune of Rs. 50 to 60 lakhs. This company has adopted two types of marketing strategies (Viz., Direct Distribution and Through Distributors)

Impact: Horizontal

The Kabbur Enterprises is quite good as it has adopted all the basic concepts of a small scale industry.

Economic :

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.

3. Title : Channabasappa Kombli- An Enthusiastic Jalayodha of North Karnataka

Back ground :

Recharging of ground water is the much discussed topic now a days. 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 communities. Individual efforts and initiations by the voluntary organisations are showing good results. One such individual effort initiated in the Kakol village of Ranebennur taluk Haveri district in North Karnataka is indeed commendable.

Intervention (process and technology):

A progressive and highly enthusiastic farmer Mr. Channabasappa Kombli has adopted an innovative approach for recharging ground water through old and dried up open wells. Kombli visited many sites of projects under taken by different orgainsations in and around the taluk and came up with the idea of reviving these open wells through recharging of ground water. He made full use of Government's "Jala Rakshana Scheme" for water in the year 2003. Activities like farm ponds, percolation ponds, field bunding, diversion channels were constructed to harvest excess run off water, which was in turn directed to the open wells. When one well fills up, the excess water goes to the next

well through the diversion channel. Various other soil and water conservation structures were scientifically laid out to conserve water as well as to control soil erosion.

Impact:

The exemplary work of Kombli is gradually drawing the attention of different sections of society. Many farmers of the northern Karnataka are visited the areas and adopting in their villages their by the water table has been raised in their areas. For his excellent work Government of Karnataka as awarded "Krishi Pandita Award" and he also secured Kannada Prabha Varshad vyakti". Such efforts are required to conserve the precious water for the next generation.

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

- Experiences of ex – trainees
- Local fertilizer and pesticide vendors
- Self help groups, Transfer of Technology clubs and Rural youth clubs.
- Use of successful entrepreneurs/ progressive farmers/Awardees as a resource persons
- The paraprofessionals are fine tuned for their skills and utilized for Transfer of Technology.
- Agri-clinic entrepreneurs trained by MANAGE.

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Vermicompost	Planting of turmeric all around the vermicompost pits	Avoidance of ants / termite menace.
2.	House hold	Use of lemon grass past	As a mosquito repellant.
3.		Use of ash / neem leaves	Control of storage pests
4.	Vegetables	Odour of coriander and fennel	Avoid menace of wild pigs
5.	Crop production	Crop rotation with sorghum after garlic,	Increases *Rabi* sorghum yield
6.	Maize	Use of Human hairs	Control of wild pigs in

3.10 Indicate the specific training need analysis tools/methodology followed for

Identification of courses for farmers/farm women & Rural Youth

- Participatory Rural Appraisal method .
- Field visits
- Linkage with developmental departments and NGO's.
- Survey method.

In-service personnel

- Bimonthly workshops
- NARP workshops
- Extension workshops

3.11 Field activities

i.	Number of villages adopted	:	08
ii.	No.of farm families selected	:	80
iii.	No.of survey/PRA conducted	:	10

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Laboratory has been instituted with all the requisite infrastructure analysis is being taken up

1. Year of establishment : 01.04.2005

2. List of equipments purchased with amount :

Sl. No.	Name of Equipments	Qty (No's)	Rate	Cost
1.	Electronics weighing scale with battery Back up, (Physical Balance)	1	10471.00	10471.00
2.	Electronic Weighing Machine	1	57000.00	57000.00
3.	Elico Microprocessor based pH Analyser.	1	8900.00	8900.00
	Accessories			
	Combined Electrode type CL 51B for pH Meter Model : LI612	1	850.00	850.00
4.	Elico Microprocessor based EC TDS Analyser with CC-03B and ATC Probe.	1	9790.00	9790.00
	Accessories			
	Conductivity cell	1	1000.00	1000.00
5.	Elico Microprocessor based Flame photometer (SS),	1	32040.00	32040.00
	Accessories			
	Calcium filter	1	2200.00	2200.00
6.	Elico Microprocessor based Scanning Visible Spectro photometer. Model : SL 177	1	40050.00	40050.00
	Accessories			
	Software and interfacing accessories for Spectrophotometer One Pair of Quartz Cuvettes, 100 nos. of Plastic Cuvettes, Tungsten Halogen lamp for Spectrophotometer		20000.00	20000.00
7.	Double Distillation water still (Glass) Silica Sheathed heater, CAP : 2 L/hr	1	16000.00	16000.00
	Accessories			
	Spare Silica Heater for Double Distillation Water Still (Glass) Cap: 2 ltr/hr (One set –Two Nos. for Boiler I & II)	1 Set	2837.00	2837.00
8.	Double Distillation water still (Quartz) 4 L./hr. Silica Sheathed heater, CAP:4 L/hr.	1	43050.00	43050.00
	Accessories			
	Spare Silica Heater for Double Distillation Water Still (Quartz) Cap:4 L/hr (One set –Two Nos. for Boiler I & II)	1 Set	5201.00	5201.00
9.	Water softner	1	3250.00	3250.00
10	Shaking Machine	1	47025.00	47025.00
11	Voltas Make 220 L. Capacity Refrigerator	1	10765.00	10765.00
	V-Guard Make 500 VA Stabilizer	1	1220.00	1220.00
	Refrigerator Stand	1	300.00	300.00

12.	Microprocessor based Block Digestion system	1	137350.00	142844.00
	Microprocessor based Automatic Nitrogen Distillation system	1	5494.00	
	Accessories			
	Electronic Acid Neutralizer Scrubber. Model: KEL VAC.	1	30400.00	30400.00
	S S Insert Rack. Model: KES 06 L.	1	6300.00	6300.00
	Exhaust Manifold System with Teflon Adaptors. Model: KES 06 LEM.	1	7160.00	7160.00
	Viton Tube for Triacid and Diacid Digestion. Model: KES VT.	3	3250.00	9750.00
13.	Hot air oven	1	16471.00	16471.00
14.	Hot plate	1	3046.00	3046.00
15.	Grinder	1	15435.00	15435.00
16.	Water Softener "Bhanu" Make Aqua Soft water softener (Model: AS- 600)	1	9752.00	9752.00
17.	Post Hole Augar Head Size: 3"	1	1200.00	1200.00
18.	Screw type Augar Head size :1.5 "	1	980.00	980.00
19.	Sieve Brass Frame	04	650.00	2860.00
20.	**Laboratory wares**			
	Laboratory tables	03	16931.00	118517.00
		04	18944.00	75776.00
	Slotted angular iron racks	05	1421.00	7105.00
	Steel cabinet	9	5326.00	47934.00
	Wash basin	3	1500.00	45000.00
	Exhaust fan	3	1500.00	1500.00
	Laboratory racks	06	1026.00	6156.00
	Water tap with swan neck	3	785.00	2355.00
21.	Gas burner	01	1500.00	1500.00
22.	Laboratory stools	05	828.00	4140.00
23.	Laboratory Chemicals	-	-	85346.00
24.	Glassware	-	-	91357.00
			Total	**10,44,833.00**

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples	83	83	55	4150.00
Water Samples	78	78	54	3900.00
Total	**161**	**161**	**109**	**8050.00**

4.0 IMPACT

4.1. Impact of KVK activities

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Production and marketing of incense sticks (hand rolled agarabatties)	365	92	5000.00	20000.00
Candle Preparation	157	10	500.00	6000.00
Tailoring and Hand embroideries	39	20	1000.00	10000.00
Mushroom cultivation	147	15	1400.00	8000.00

4.2. Cases of large scale adoption : Nil

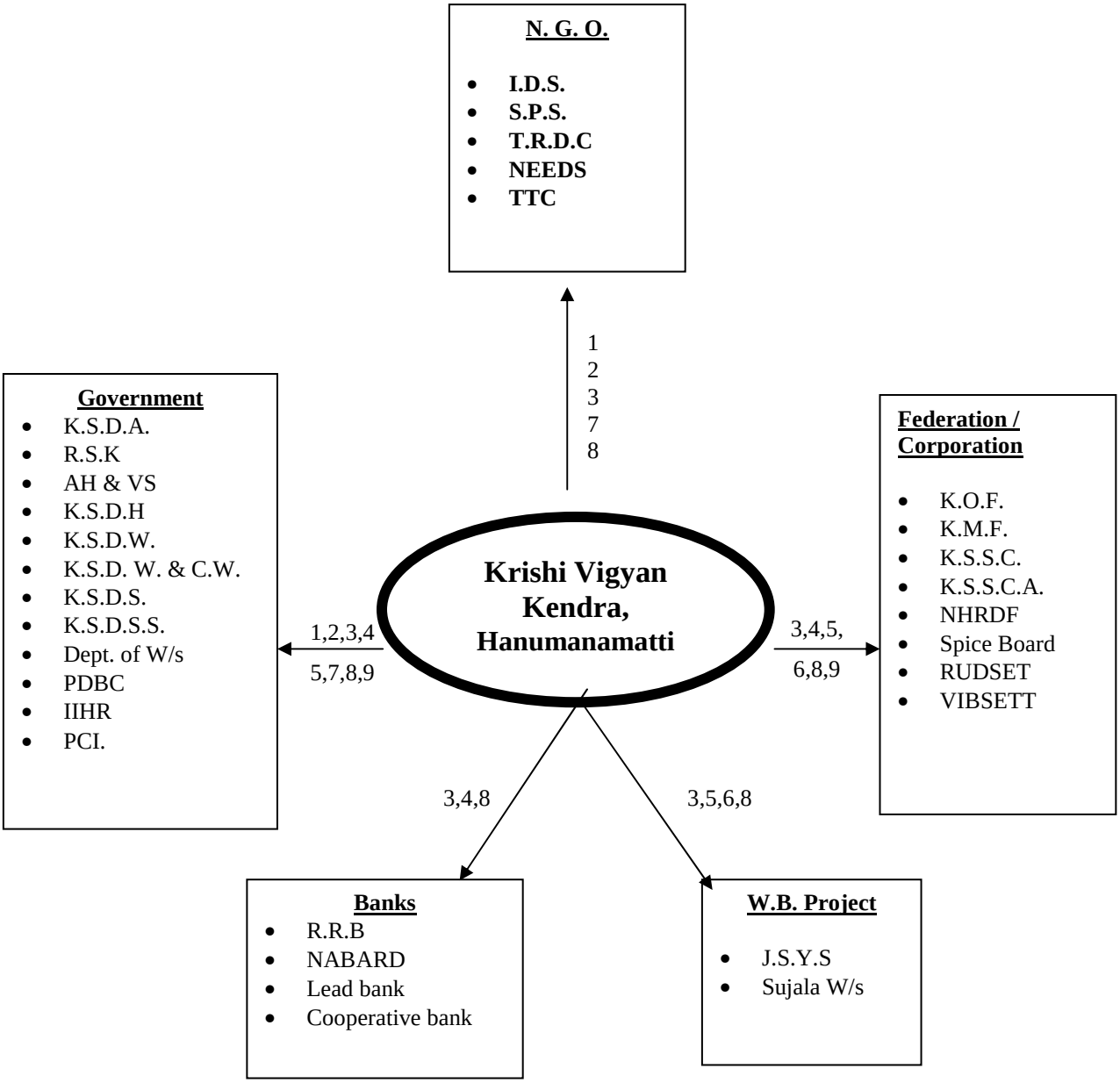
4.3 Details of impact analysis of KVK activities carried out during the reporting period : Not done

5.0 LINKAGES

5.1 Functional linkage with different organizations

Sl. No.	Name of the organization	Nature of Linkage
1.	State Dept. of Agriculture	Conducting training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
2.	State Dept. of Horticulture	Conducting training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
3.	Rural Development Institutes (Zilla & Taluk Panchayats)	Conducting training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
4.	State Dept. of Animal husbandry & Veterinary Services	Conducting training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
5.	Karnataka Milk Federation	Conducting training programmes.
6.	Women and Child Development Department	Conducting training programmes.
7.	Karnataka Oil Seeds Federation	Supply of inputs
8.	NABARD, Vijaya Bank, State Bank of India, M.G. Bank and Syndicate Bank.	Participation in meeting, conducting training programmes and promotion of TTC.
9.	Bharath Agro Industries Foundation, Haveri	Conducting training programmes
10.	GRASIM Janakalyan Trust, Kumar Pattanum	Conducting training programmes.
11.	Sheep and Wool Development Board	Conducting trainings.
12.	State Dept. of Watershed	Conducting training programmes, IFS Demonstration, Seminars and Field days.
13.	JSYS	Conducting training programmes, Demonstration, Seminars and Field days.
14.	National Horticultural Research and Development Federation	Joint implementation and participation in meeting/Training Programme
15.	Spice Board	Joint implementation and participation in meeting/Training Programme
16.	Different private firms dealing with Medicinal and Aromatic crops	Training Programmes
17.	IIHR, Bangalore	Technical consultancy
18.	NGO's	Joint implementation and participation in meeting.
19.	Mahila Mandals and Youth Clubs	Joint implementation and participation in meeting.
20.	Sugar Factories	Joint diagnostic survey and participation in meeting
21.	Karnataka Sugar Institute, Belgaum	Joint diagnostic survey and participation in meeting/ Training
22.	Private Vegetable Seed Industry	Consultancy
23.	Successful Entrepreneurs	Conducting Training Programme/ Technical Advice
24.	Vijaya Bank Sponsored Employment Training Institute	Joint implementation participation in meeting and conducting in Training Programme.

LINKAGES DEVELOPED



Nature of Linkages are indicated by following Numbers

1. Training needs
2. Conducting of training programmes
3. Organising training programmes
4. Joint implementation of programmes for increasing productivity of crops/enterprises
5. Joint diagnostic survey
6. Contribution received for infrastructure development
7. Identification of target groups for implementing the KVK activities such as training, OFT, demonstrations
8. Advisory services
9. Supply of inputs/materials

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
1. Vegetable development programmes (State/ZP Sector)		State Department of Horticulture	120000.00
• Entrepreneurs Development related training programme	29.11.2006		
	30.11.2006		
	18.12.2006		
	19.12.2006		
• Organizing crop/theme wise seminar • (District Level Chilli Seminar)	30.03.2007		
• Assistance to promotion of farm mechanization practices	30.08.2007		
• Publicity and Campaign *	-		
2. Organic farming in Horticulture	28-31 August-2007		60000.00
3. Market orientation of Vegetable crops	08.01.2007		10000.00
		Total	**190000.00**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Remarks
1.	Conducting assessment, refinement, validation and adoption of Front Line technologies	Collaboration	Funds are yet to be released

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any
1.	Training programme on Organic Horticulture	Collaboration	-

Nature of linkage with National Fisheries Development Board : Nil

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)	
				Variety	Produce	Qty.	Cost of inputs	Gross income
1.	Vermi compost	1998	0.1	*E. euginea*	Vermi compost	4.0 t	3000.00	10000.00

6.2 Performance of instructional farm (Crops) including seed production (Total land : 20 ha)

Name of the crop	Date of sowing	Details of production		Remarks
		Variety	Type of Produce	
Cereals				
Millets	26.06.07	Sukshema	Seeds	Yet to process
Bajara	22.06.07	ICTP-8-03	Seeds	Yet to process
Pulses				
Greengram	26.06.07	S-4/Chaina mung	Seeds	Yet to process
Blackgram	26.06.07	DU-1	Seeds	Yet to process
Redgram	28.05.07	Asha/BSMR/Maruti	Seeds	Yet to process
Oilseeds				
Soyabean	28.06.07	JS-335	Seeds	Yet to process
Sunflower	28.06.07	KBSH-4,44,41	Seeds	Yet to process
Groundnut	03.07.07	GPBD-4, 5,TAG-24,28,DH-86	Seeds	Yet to process
Fibers				
Sunhemp	26.06.07	Local	Seeds	Yet to process
Fruits				
Tamarind	27.06.07	Different variety	-	For nursery purpose
Guava	28.06.07	Lucnow-	-	
Sapota	06.08.07	DSH-1,DSH-2	-	
Pomegranate	16.08.07	Kesar	-	
	-			
Including Sapota, Mango, Drumstick, Coconut, Teak old orchards				

6.3 **Performance of production Units:** Bio-agents : Yet be started

6.4 Performance of instructional farm : Nil

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)
October 2006	10	One or two days
November 2006	12	
December 2006	20	
January 2007	15	
February 2007	12	
March 2007	-	
April 2007	-	
May 2007	23	
June 2007	45	
July 2007	16	
August 2007	20	
September 2007	24	

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute	SBI, Dharwad	Dharwad	-
With Krishi Vigyan Kendra,	SBI RNR	RNR	01100050048

7.2 Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2007
	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	
Inputs	0.70	0.42	0.60	0.42	0.18
Extension activities	0.10	0.06	0.10	0.09	0.01
TA/DA/POL etc.	0.15	0.06	0.06	0.01	0.03
TOTAL	**0.95**	**0.57**	**0.75**	**0.55**	**0.20**

7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2007
	Kharif 2006	Rabi 2006 -07	Kharif 2006	Rabi 2006-07	
Inputs	0.42	0.09	0.22	0.09	0.13
Extension activities	0.06	0.01	0.10	0.009	0.09
TA/DA/POL etc.	0.09	0.01	0.07	0.005	0.07
TOTAL	**0.57**	**0.11**	**0.40**	**0.10**	**0.30**

7.4 Utilization of funds under FLD on Cotton *(Rs. In Lakhs)*

Account Head	Sanctioned		Expenditure	Unspent balance as on 1st April 2007
	Kharif	Rabi		
Funds for essential for critical inputs @ 1400/ha	0.35	0.35	0.67	0.03
Fund for POL, hiring of vehicle, Kisan Melas, Printed materials and demonstration boards etc.	0.15	0.15	0.30	0.00
TOTAL	**0.50**	**0.50**	**0.97**	**0.03**

Utilization of KVK funds during the year 2006 -07 and 2007 -08

Utilization of KVK funds during the year 2006 –07

(Rupees in Lakhs)

Sl. No.	PARTICULARS		Sanctioned	Released	Expenditure
A. RECURRING CONTINGENCIES					
1.	**Pay & Allowances**		**24.00**	**24.00**	**24.00**
2.	**Traveling allowances**		**0.75**	**0.75**	**0.75**
3.	**Contingencies**		**2.00**	**2.00**	**1.92**
a	Stationery, telephone, postage and other expenditure on office running including library maintenance and adding of books and journals	0.70		0.70	0.70
b	POL, Repair of vehicles, tractor and equipments	0.45		0.45	0.45
c	Meals/refreshment for trainees (ceiling upto Rs. 40/day /trainee be maintained)	0.25		0.25	0.25
d	Training material (posters, charts, demonstration material including chemicals etc.)	0.10		0.10	0.10
e	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	0.30		0.30	0.26
f	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.15		0.15	0.13
g	Training of extension functionaries	0.05		0.05	0.03
h	Maintenance of building	0.00		0.00	0.00
i	Establishment of Soil, Plant & Water Testing Laboratory	0.00		0.00	0.00
j	Library (Purchase of Journal, News paper, and magazine)	0.00		0.00	0.00
	Total (A)		**26.75**	**26.75**	**26.67**
B. NON- RECURRING CONTINGENCIES					
1	Equipments and Furniture		1.00	1.00	1.00
	a. Computer accessories including LCD	1.00			
2	Works		42.98	42.98	42.98
	a. Staff Quarters (Second installment)	39.68			
	b. Farmers Hostel (Final Installment)	3.30			
3	Library (Purchase of assets like books and Journals, back volumes)		0.10	0.10	0.09
4	Vehicle		0.00	0.00	0.00
5	SWTL		0.00	0.00	**0.00**
	Total (B)		**44.08**	**44.08**	**44.07**
	C. REVOLVING FUND		0.00	0.00	0.00
	Grand Total (A+B+C)		**70.83**	**70.83**	**70.74**

Utilization of KVK funds during the year 2006 –07

Sl. No.	Particulars	Sanctioned	Released	Expenditure upto 30.09.07
A. RECURRING ITEMS				
1.	Pay & Allowances	27.00	27.00	10.07
2.	Traveling allowances	01.00	01.00	00.94
3.	**Contingencies**			
A.	Stationery, telephone, postage and other expenditure on office running including library maintenance and adding of books and journals	01.86	01.86	00.54
B.	POL, Repair of vehicles, tractor and equipments	00.96	00.96	00.65
C.	Meals/refreshment for trainees (ceiling upto Rs. 40/day /trainee be maintained)	00.78	00.78	00.18
D.	Training material (posters, charts, demonstration material including chemicals etc.)	00.72	00.72	-
E.	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	00.75	00.75	00.38
F.	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	00.36	00.36	00.09
G.	Training of extension functionaries	00.24	00.24	-
H.	Maintenance of building	00.24	00.24	-
I.	Establishment of Soil, Plant & Water Testing Laboratory	00.0	00.00	
J.	Library (Purchase of Journal, News paper, and magazine)	00.09	00.09	-
Contingencies Total		**06.00**	**06.00**	**06.00**
Total Recurring Items (A)		**34.00**	**34.00**	**34.00**
				B. NON RECURRING ITEMS
1.	Equipment & Furniture			-
a.	Furniture (Plastic chairs, Shamiyan etc)	-	-	-
2.				Works
a)	Construction of Bio-control Lab	-	-	-
b)	Construction of Vehicle shed (Tractor, Jeep & Motor cycle)	-	-	-
c)	Construction of storage house	-	-	-
d)	Construction of Threshing yard	-	-	-
3.	Library	-	-	-
	Total Non Recurring Items (B)	**-**	**-**	**-**
	GRAND TOTAL(A+B)	**34.00**		**12.88**

7.6 Status of revolving fund (Rs. in lakhs) for the three years

Name Revolving fund	Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
Training	April 2004 to March 2005	0.04	37.51	24.46	13.05
	April 2005 to March 2006	13.45	73.49	53.99	19.50
	April 2006 to March 2007	15.19	01.00	0.15	01.19
ICAR	April 2004 to March 2005	-	-	-	-
	April 2005 to March 2006	01.00	0.30	0.03	01.30
	April 2006 to March 2007	01.31	0.41	0.22	01.86

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

a) Administrative

- Scientist working in the extension field from the past ten years have less opportunities to get exposure in research and teaching fields. Moreover, the extension scientist continues in the same cadre for longer period in comparison to the staff in research and teaching.
- Scientists of all disciplines work in the KVK. As the demands and work nature of each scientist differ, one needs to have separate computer to efficiently meet work demands and load. However, there are not individual computers allotted for hastening work of individual scientist. Increasing he number of computers will help individual scientists to complete their work allotted to them as per schedule and efficiently.

b) Financial

- Financial assistance is required for equipments like silent generator, digital handicam and LCD.
- Financial assistance either in the form of monetary benefits or tool kits may be provided for promoting group activities such as self help groups, youth clubs, farmer clubs and mahila mandals.

c) Technical

- Demonstration unit with latest technical know- how are to be established with innovative institutions like KVK, for the benefit of visiting farmers to convey the recent advances in technology. So the essential requirements in terms of infrastructure are green house and Vermicompost units.

SUMMARY TABLES

1 Details of Technology assessment and refinement

Table 1A: Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Weed Management	-	-	-	-	01	-	-	-	-	01
Integrated Nutrient Management	-	-	-	-	01	-	-	-	-	01
Integrated Pest Management	-	-	-	-	01	-	01	-	-	02
Integrated Disease Management	-	-	-	-	02	-	-	-	-	02
TOTAL	**-**	**-**	**-**	**-**	**05**	**-**	**01**	**-**	**-**	**06**

Table 1 B; Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Weed Management	-	-	-	-	01	-	-	-	-	01
Integrated Nutrient Management	-	-	-	-	01	-	-	-	-	01
Integrated Pest Management	-	-	-	-	01	-	01	-	-	02
Integrated Disease Management	-	-	-	-	02	-	-	-	-	02
TOTAL	**-**	**-**	**-**	**-**	**05**	**-**	**01**	**-**	**-**	**06**

Table 1 C: Abstract on the number of technologies assessed in respect of livestock nterprises : Nil

Table 1 D: Abstract on the number of technologies refined in respect of livestock enterprises : Nil

Table – 1 E Details of technology refined

Crop	Technology Assessed	No. replications	Technology refined	Result justifying the refinement
Chrysanthemum	Insecticide evaluation for Management of budworm	03	Methomyl@ 0.6.gm/lit NSKE @ 4%	For effective management of pest and avoid residue problem in the crop.
Cabbage	Insecticide evaluation for Management of Diamond back moth	03	Profenophos @ 2 ml/lit NSKE @ 4%	For effective management of pest and avoid residue problem in the crop
Cabbage	Fungicide and bactericide evaluation for Management of Black rot	03	Seed Treatment with Streptomycin sulphate @ 0.5 gm. + Copper oxychloride @ 3 gm / kg seeds + Spraying of Bacterinashak @ 0.5 gm + COC @ 3.0 gm /lit.Two sprays at an interval of 10 –15 days	For effective management of Disease and to get higher yield
Brinjal	Fungicide evaluation for Management of Fruit rot	03	Seed treatment with carbendezim @ 2 g/kg Three sprays of Propiconazole @ 1 ml/L (30,45& 60 DAT)	For effective management of Disease and to get higher yield
Cabbage	Weedicide evaluation for Weed management	03	Spray of Oxyflurofen (1 kg a.i. /ha) prior to transplanting with 1 intercultivation + 1 hand weeding	For effective management of weeds, save the labours and to get higher yield
Tomato	Nutrient Management	03	RDF(25 t FYM+ 60:50:30 NPK kg/ha) + Borax + $CaCl_2$/ $Ca(NO_3)_2$	For control of disorders in tomato calcium and boron nutrients found effective and to get higher yield

2. Details of Frontline Demonstrations

Table – 2 A Front Line Demonstrations on Oilseed Crops

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Groundnut	• Improved varieties TGLPS3 • $FeSO_4$ & $ZnSO_4$ Soil application @ 10 kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @ 4 g/kg. • Rhizobium treatment @ 400 gm/ha.	10	10	16.30	13.5	21%	16.30	13.5	24014	1:2.0
Sunflower	• Sunflower hybrid (KBSH-1) • Wider spacing (90cmX30 cm) • Imidacloprid (5g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	12	10	12.90	9.8	32%	12.90	9.8	16504	1: 2.5
Soyabean	• High yielding varieties (JS-335). • $ZnSO_4$ –12 kg/ha • Rhizobium & PSB treatment @ 400 g/ha • Urea spray @ 2% at 50 % flowering • Soil application of Biozyme @ 20 ml/ha.	25	10	17.00	13.50	26%	17.00	13.50	16473	1: 2.0
Sesamum	• Improved variety • Rhizobium and PSB @ 400 g/ha • Vermicompost @5 q/ha	13	05	2.50	1.90	31%	2.50	1.90	8089	1: 2.6

Groundnut	• Improved varieties (GPBD-4). • Soil application $FeSO_4$ & $ZnSO_4$ @ 10 kg/ha. • Vermicompost 1000 kg/ha. • Seed treatment with Trichoderma @ 4 gm/kg. • Rhizobium treatment @ 400 gm/ha.	10	10	29.70	20.00	48.50%	29.70	20.00	84484	1:8.00
Sunflower	• Sunflower hybrid (KBSH-1) • Wider spacing (90cmX30 cm) • Imidacloprid (5 g /kg) Seed treatment • Vermicompost 10 q/ha. • Installation of Bee hives 5 Nos./ha. • Boron spray @ 0.5 %	12	05	8.3	6.7	24%	8.3	6.7	12448	1:2.4
Safflower	• Safflower variety (A-1) • Management of Aphids • Application of FeSO4 and ZnSO4	12	05	5.5	4.2	31%	5.5	4.2	7290	1:2.38

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Redgram	• Improved variety (ASHA) • RDF-25: 50 : 12.5 NPK kg /ha • Seed treatment with Trichoderma(4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray	21	10	10.50	8.00	31 %	10.50	8.00	12190	1:1.82
Greengram	• Improved variety S-4 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha)	25	10	3.10	2.3	34%	3.10	2.3	5844	1: 2.2
Blackgram	• Improved variety Like TAU-1 • RDF-25: 50: 0 NPK kg /ha • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha)	10	10	6.0	4.5	33 %	6.0	4.5	14906	1: 4.8
Bengalgram	• Improved variety ICCV(37) • Nipping 45-50 DAS • Seed treatment with Trichoderma (4g/kg)	12	05	7.4	6.3	17.46%	7.4	6.3	12608	1:2.64

Table – 2 C Front Line Demonstrations on Cotton

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Cotton(Kharif)	• Improved variety MRCH-6918 • Seed treatment with Imdacloprid 10 g/kg seeds • Seed treatment with Trichoderma (4g /kg) & Rhizobium (375 g/ha) • Bird perches (150/ha) • NSKE (5%) • Pheromone traps (5 traps/ha) • Need based insecticides spray • Tapping 60 – 70 DAS	25	10	17.93	14.90	20.60%	17.93	14.90	46761	1:6.65
Cotton(Rabi)	• Popularizing high yielding Variety like DDHC-11. • Nipping at 70 days after sowing. • Seed treatment with Trichoderma @ 8 g/kg seed against soil –borne diseases • Usage of Micronutrients/ Bio-fertilizers	25	10	5.82	4.64	25.48%	5.82	4.64	5518	1:2.11

Table – 2 D Front Line Demonstrations on Other Crops(Horticulture)

Crop	Technology Demonstrated	No. of Farmers	Area (ha.)	Demo. Yield	Local Check	Increase in yield (%)	Data on parameter in relation to technology demonstrated		Average Net Return (Profit) (Rs./ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
							Demo	Local		
Onion	• Introduction of HYV (Arka kalyan). • Application of RDF (30 t FYM +125 : 50 : 125 kg NPK/ ha.) • Seed treatment with Trichoderma (4 g/kg)	10	05	5.82	4.64	25.48	5.82	4.64	64715	3.42
Garlic	• Application of sulphur containing fertilizer (125 : 62.5 :62.5 kg NPK / ha.) • Clove treatment with Trichoderma (4 gm/kg)	10	02	5.30	3.70	43.24	5.30	3.70	74660	3.1
Aster	• Introduction of HYV (Kamini, Phule Purple, etc.,) • Adoption of RDF (20 t FYM + 180 : 120 : 60 NPK kg / ha.)	08	03	4.1	2.5	64	4.1	2.5	118831.25	4.00
Chrysanthemum	• Introduction of cuttings of improved and HYV (coloured varieties) • Spraying with plant growth regulators • Adoption of RDF 20 t FYM + 100 :150 : 100 kg NPK /ha.)	10	05	10.11	7.5	34.8	10.11	7.5	193537.5	3.21
Tomato	• Introduction of University bred hybrids (DMT-1/ Nandi) • Adoption of INM (30 t FYM + 250 : 250 : 250 kg NPK + VAM/ ha.) • Growing African marigold as catch crop • Seed treatment with Trichderma (4 gm/kg)	05	01	12.20	9.80	24.48	12.20	9.80	44685	2.66
Cabbage	• Adoption of ICM (25 t FYM + 150 : 100 : 125 kg NPK + COT/GOT 1.5 t / ha.) • Intercropping with bold mustard seeds • Use of NSKE (5%) • Erection of light traps (10 Nos/ha)	10	01	16.05	12.35	29.95	16.05	12.35	47958	2.74

Table – 2 E Front Line Demonstrations on Other enterprises : Nil

3. Details of training programmes conducted

Table – 3 A Area-wise distribution of On + Off Campus Training Courses for Farmers and Farm Women (regular + sponsored)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Crop Production								
Cropping Systems	6	72	11	83	18	06	24	107
Micro Irrigation/Irrigation	02	20	00	20	05	00	05	25
Integrated Crop Management	03	61	36	97	13	06	19	116
Integrated Nutrient Management	03	63	08	71	14	05	19	90
Horticulture								
a) Vegetable Crops								
Production of low value and high volume crop	06	183	5	188	30	3	33	221
Nursery raising	03	40	40	80	18	10	28	108
Export potential vegetables	01	62	24	86	09	05	14	100
b) Fruits								
Training and Pruning	03	39	00	39	09	00	09	48
Export potential fruits	04	39	75	114	16	12	28	142
c) Ornamental Plants								
Nursery Management	04	43	22	65	06	03	09	74
d) Plantation crops								
Production and Management technology	01	15	00	15	05	00	05	20
Soil Health and Fertility Management								
Integrated water management	01	07	03	10	11	01	22	22
Livestock Production and Management								
Dairy Management	08	131	139	270	38	39	77	347
Agril. Engineering								
Farm machinery and its maintenance	01	09	00	09	01	00	01	10
Plant Protection								
Integrated Pest Management	17	447	89	536	91	25	116	652
Integrated Disease Management	20	536	99	635	107	33	140	775
Bio-control of pests and diseases	12	288	135	423	54	29	83	506

1	2	3	4	5	6	7	8	9
Production of Inputs at site								
Vermi-compost production	06	08	102	110	05	17	22	132
Organic manures production	04	60	13	73	22	06	28	101
Capacity Building and Group Dynamics								
Formation and Management of SHGs	03	01	46	47	00	18	18	65
Entrepreneurial development of farmers/youths	12	103	178	281	24	41	65	346
Others (Pl. specify)								
Role of Women in organic farming	1	1	20	21	0	7	7	28
Market Orientation for vegetable crop	1	55	0	55	0	0	0	55
Role of honey bees in pollination of crops	1	2	21	23	0	1	1	24
Contract farming in Agriculture	1	10	5	15	5	3	8	23
Activities of KVK in Haveri district(Krishi Andolana)	1	28	11	39	10	3	13	52
Contract farming in Agriculture(Krishi Andolana)	1	28	11	39	10	3	13	52
Contract farming in Agriculture(Krishi Andolana)	1	40	9	49	8	5	13	62
TOTAL	**127**	**2391**	**1102**	**3493**	**529**	**281**	**820**	**4303**

Table – 3 B Area-wise distribution of On + Off Campus Training Courses for Rural Youth (regular + sponsored + vocational)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Integrated Farming	2	58	2	60	19	1	20	80
Planting material production	1	35	35	70	15	15	30	100
Vermi-culture	2	73	35	108	27	15	43	151
Dairying	1	14	7	21	4	1	5	26
TOTAL	6	180	79	259	65	32	98	357

Table – 3 C Area-wise distribution of On + Off Campus Training Courses for In-service Extension Personnel (regular + sponsored)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Integrated Pest Management	1	43	0	43	2	0	2	45
Any other (pl.specify)								
Epidemiologist Sheep pox and its control stagiest	1	0	32	32	0	0	0	32
Bird flu and its control measures	1	0	33	33	9	0	9	42
Disease Management in Oil Seeds	1	43	0	43	2	0	2	45
EDP in Animal Husbandry	1	15	2	17	0	0	0	17
Rain harvesting in Horticulture crops	1	11	0	11	4	0	4	15

4. Details on Extension Activities

Table – 4 Numbers of Extension Activities and Beneficiaries

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	02	138	26	164	-	-	-	138	26	164
Kisan Ghosthi	12	205	102	307	5	3	8	210	105	315
Exhibition	1	250	300	550	5	5	10	255	305	560
Film Show	7	51	130	181	-	-	-	51	130	181
Method Demonstrations	15	219	43	262	47	1	48	266	44	310
Farmers Seminar	6	161	1	162	13	1	14	174	2	176
Lectures delivered as resource persons	9	175	25	200	-	-	-	175	25	200
Newspaper coverage	4	-	-	-	-	-	-	-	-	-
Radio talks	08	-	-	-	-	-	-	-	-	-
TV talks	07	-	-	-	-	-	-	-	-	-
Popular articles	08	-	-	-	-	-	-	-	-	-
Extension Literature	03	-	-	-	-	-	-	-	-	-
Advisory Services	164	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	62	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	50	61	10	71	-	-	-	61	10	71
Animal Health Camp	08	-	-	-	-	-	-	-	-	-
Celebration of important days										
World Food Day	1	20	17	37	-	-	0	20	17	37
Agriculture woman day	1	20	16	36	-	-	0	20	16	36
Horticulture day	1	50		50	-	-	0	50	0	50
Total	**369**	**1350**	**670**	**2020**	**70**	**10**	**80**	**1420**	**680**	**2100**

5. Details on Seeds and Planting materials, bio-products and live stock materials produced

Table – 5 A Productions of Seeds

Sl. No.	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
OILSEEDS	Groundnut	GPBD-4	70.9	2067.20	25
	Groundnut	DH-86	10.85	27125.00	20

SUMMARY

Sl. No.	Crop	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	OILSEEDS	81.75	29192.20	45
	TOTAL	**81.75**	**29192.20**	**45**

Table – 5 B Production of planting/seedling materials of Fruits/Vegetables/Forest Species

Sl. No.	Category	Crop	Quantity (Nos.)	Value (in Rs.)	Provided to No. of Farmers
I.		**FRUITS**			
1	Sapota	DSH-1	203	10150	**20**
2	Sapota	DSH-2	142	7100	**10**
3	Guava	L-49	10	200	**05**
4	Papaya	-	2	10	**01**
5	Pomegranate	Local	2	40	**01**
6	Lime	-	35	175	**10**
Total			**394**	**17675**	**47**
II.		**VEGETABLES**			
1	Chakramani	-	24	600	**15**
2	Curry leaf	Suhasini	420	2100	**25**
Total			**444**	**2700**	**40**
III.		**SPICES**			
1	Tamarind	-	55	1100	**15**
Total			**55**	**1100**	**15**

SUMMARY

Sl. No.	Crop	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	394	17675	47
2	VEGETABLES	444	2700	40
3	SPICES	55	1100	15
	TOTAL	**893**	**21475**	**102**

BIO-PRODUCTS : Nil

LIVESTOCK : Nil