ANNUAL REPORT 2011-12

(FOR THE PERIOD APRIL 2011 TO MARCH 2012)

KRISHI VIGYAN KENDRA (HASSAN)

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
Krishi Vigyan Kendra Hassan	Office: 08172-256092	Fax: 08172-256792	hassan.kvk@gmail.com kvkhassan@uasbangalore.edu.in	www.kvkhassan.com

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, Bengaluru	080- 23330153 & 23418883	080 – 23414848 / 23516836	vc@uasbangalore.edu.in	www.uasbangalore.edu.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. B.S. Basavaraju	9449005746/ 08172-268636	9449866932 /08172- 256092	basavaraju1968@gmail.com

1.4. Year of sanction: 1991

1.5. Staff Position (as 31st March 2012)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr.B.S.Basavaraju	Programme Coordinator	M	Agricultural Entomology	M.Sc (Agril. Entomology) Ph.D	37400-67000	49240	09.06.2009	Permanent	SC
2	SMS	Dr.O.R.Nataraju	Associate Professor	M	Animal Science	BVSc, MVSc (poultry), Ph.D (poultry)	37400-67000	49240	28.05.2007	Permanent	ST
3	SMS	Dr.S.Channakeshava	SMS	M	Soil Science	M.Sc. (Agril.) Ph.D in Soil Science	15600-39100	25820	26.10.2011	Permanent	GEN

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
4	SMS	Dr.B.S.Lalitha	SMS	F	Agronomy	M.Sc (Agronomy) Ph D	15600-39100	25820	26.02.2007	Permanent	GEN
5	SMS	Mr.M.Shivashankar	SMS	M	Home Science	M.Sc (Home science)	15600-39100	24320	22.03.2007	Permanent	SC
6	SMS	Dr. B.G.Hanumathraya	SMS	M	Horticulture	M.Sc (Horti.) Ph.D (Horticulture)	15600-39100	21600	22.12.2011	Permanent	OBC
7	SMS	Vacant	SMS	-	Agricultural Extension	-	15600-39100	21600	-	-	-
8	Programme Assistant(Lab Tech.)/T-4	Dr. A.C.Girish	Programme Assistant (Lab Tech.)/T-4	M	Programme Assistant (Lab Tech.)/T-4	M.Sc. (Agri), Ph.D (Appl. Zoology), PDF	9300- 34800	13910	23.10.2010	Permanent	GEN
9	Programme Assistant (Computer)/ T-4	Mr. Pradeep kumar H	Programme Assistant (Computer)/ T-4	M	Programme Assistant (Computer)/ T-4	BE (Computer science)	9300- 34800	13910	22.01.2011	Permanent	SC
10	Programme Assistant/ Farm Manager	Vacant	Programme Assistant/ Farm Manager	-	Programme Assistant/ Farm Manager	-	9300- 34800	13910	-	-	-
11	Jr. Stenographer	Vacant	-	-	-	-	5200-20200	5200	-	-	-
12	Driver	Mr. Vishwanath	Driver	-	-	9th pass	7275-13320	7450	17.10.2008	Permanent	SC
13	Driver	Manjunatha	Driver	M	-	SSLC	5800 consolidated	5800 consolidated	28.06.2010	Temporary	OBC
14	Supporting staff	Mr. C.E. Ningaraju	Assistant Cook-cum-Caretaker	M	-	7th pass	5200-8200	5300	17.10.2008	Permanent	SC
15	Supporting staff	Mr. Basavaraju M	Messenger	M	-	7th pass	4800-7275	6250	17.11.2007	Permanent	SC
16	Assistant	D. Venkataramu	Assistant	M	-	B.A.	8000 consolidated	8000 consolidated	20.09.2010	Temporary	OBC

1.6. Total land with KVK (in ha) : 19.64 ha

S. No.	Item	Area (ha)
1	Buildings	6.15
2.	Demonstration Units	5.0
3.	Crops area	2.49
4.	Orchard/Agro-forestry	6
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	UAS + ICAR	1983	13.52 150.52	114000.00	-	-	-
2.	Farmers Hostel	ICAR	2001	216.00	1432000	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
	1. C type & D type	UAS	1985	683.00	661000	-	-	-
	2 C Type- 5 Nos.	ICAR	2011	333.33	1530000	-		
	3							
	4							
	5							
	6							
4.	Demonstration Units							
	1. Green house and heat chamber with FLP sheet and total GI structure	NHM	01.04.2008	108.00	88560	-	-	-
	2. Poly house round tunnel shaped	NHM	01.04.2008	108.00	70200	-	-	-
	3. Top vent poly house with							
	a) Exhaust fan	NHM	24.06.2009	-	24400	-	-	-
	b) Cooling fan	NHM	27.06.2009	-	34800	-	-	-
	C) Syntex	NHM	26.06.2009	-	2450	-	-	-
	4. Shade net house	NHM	28.03.2008	192.00	21120	-	-	-
	5. Sales counter	NHM	01.04.2008	-	94900	-	-	-

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
	6. Gene Bank – Coconut, Mango, Cashew, Sapota, Mandrin, Medicinal plants	NHM	2008-09	-	-	-	-	-
	7. Dairy Shed	ICAR	2002	28.00		-	-	-
	8. Piggery Shed	ICAR	2002	100.00		-	-	-
	9. Piggery Shed	RKVY	2011	100.00	260000			
	10. Poultry Shed	ICAR	2003	100.00	100000	-	-	-
	11 Vermicompost unit	National Center of Organic Farming	March 2008	108.00	150000	-	-	-
	12. Sheep unit	ICAR	2003	-	100000	-	-	-
	13. Sericulture Unit	ICAR	1999	80.00	274000	-	-	-
5.	Fencing			-		-	-	-
6.	Rain Water harvesting system	ICAR	2008	-		-	-	-
7.	Threshing floor	-	-	-		-	-	-
8.	Farm godown	UAS	1985	-	65000	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor with trailor (TAFE)	1999	3,13,046.00	4759	Good Condition
Tractor with trailor (TAFE),	Shifted from KVK, Magadi	-	2006	Good Condition
Mini Bus (Swaraj Mazda)	2001	6,86,646.00	211692	Good Condition
Jeep (Mahindra Marshal)	2003	3,64,468.00	250150	Good Condition
Motor Cycle (TVS)	2005	50,000.00	10,913	Good condition
Motor Cycle (Honda Activa)	2009	49971.00	37,317	Good condition

C) Equipments & AV aids

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
Farm , Agro Processing and demonstration machines / Units				
1	Multipurpose Power operated inter cultivator	2002	38,000.00	Not in good condition
2	Multi crop thresher	2002	79,000.00	Good condition
3	Ragi de – stoner(1/2 ton capacity)	2002	50,000.00	Good condition
4	Flour mill	2002	21,000.00	Good condition
5	Potato chips making machine	2002	34,000.00	Not in good condition
6	Power operated maize cob Sheller cum sunflower threshing machine.	2002	15,000.00	Good condition
7	Chaff cutter	2002	4,500.00	Good condition
8	Hot air oven	2002	7,500.00	Not in good condition
9	Tray drier	2003	17,600.00	Good condition
Audio Visual aids:				
3	TV with VCP & CD player	2000	34,400.00	Good condition
4	Flannel Board	2000	22,000.00	Good condition
5	Projector screen	2004	5,000.00	Good condition
6	White Board	2000	6,000.00	Good condition
7	Multimedia Projector	2007	49,303.00	Good Condition
8	Multi Media Mounting Kit	2007	16,650.00	Good Condition
Office Equipments				
1	Refrigerator	2002	28,500.00	Good condition
2	Fax machine	2000	12,702.00	Good condition
3	Minolta Camera	2001	11,450.00	Not in good condition
4	Computer HCl Pentium Core 160 GB with accessories	2007	33,800.00	Good Condition
5	Photo copying Machine – (E- Studio 163 Toshiba)	2007	42,300.00	Good Condition
6	Konika Minolta Colour Printer	2007	26,520.00	Not in Good Condition
Equipments Purchased under RKVY				
1	Desk Top Computers	2008	46000.00	Good condition
2	Printer	2008	31290.00	Good condition
3	Digital copier cum net work printer (Xerox machine)	2008	55120.00	Good condition
4	Display boards	2008	30000.00	Good condition
5	Computer table	2008	5558.00	Good condition
6	Computer chairs	2008	3542.00	Good condition
7	LCD	2008	44990.00	Good condition

Sl. No.	Name of the Equipment	Year of Purchase	Cost (Rs.)	Present Status
8	Motorized screen	2008	23000.00	Good condition
9	Video camera	2008	184000.00	Good condition
10	Voltage stabilizer	2008	5520.00	Good condition
11	Touch screen information KIOSK	2008	124569.00	Good condition
12	Visual production unit	2008	599500.00	Good condition
13	Auto Clave – vertical	2009	28687.50	Good condition
14	Research Microscope M.No. Rx lr – 3B with phase contrast attachment	2009	66555.00	Good condition
15	Laminar airflow PSM Make Horizontal Model	2009	54013.00	Good condition
16	Hot Air Oven PSM make	2009	24166.00	Good condition
17	Micro Pipette	2009	21180	Good condition

1.8. Details SAC meeting conducted in 2011-12

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1	21.06.2011	**35**	**5**	1. All the specialists to understand and disseminate information to the farmers regarding the programs and facilities extended by the Agriculture and allied departments which are available to farmers of the district.	Discussed with the allied departments to provide their list of programs beneficial to the farmers
				2. All the specialists to understand and disseminate information to the farmers regarding the programs and facilities extended by the Agriculture and allied departments which are available to farmers of the district.	Discussed with the allied departments to provide their list of programs beneficial to the farmers
				3. Suggested to conduct impact analysis on B.T.Cotton, CO-3, Poultry and other areas where in KVK has carried out activities	Planned to conduct Impact studies
				4. Suggested to Approach Kadhi Board for Apiculture activities and disseminate the information to farmers about the subsidies	Educating farmers in every On and Off Campus training programs
				5. KVK to put up a proposal to ZPD for establishing Silage production unit.	Proposal is prepared and submitted in the forthcoming action plan

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
				6. Suggested to strengthen Soil and Water Testing Lab	Will be attended
				7. Suggested to go for production of Banana special by obtaining the details from KVK, Chitradurga	In progress
				8. Suggested to extend SMS facility to officers and staff of Agriculture Department	Sending SMS to staff of Department of Agriculture
				9. KVK to participate actively in ATMA program	Actively participating in ATMA program by providing technical inputs
				10. Suggested to conduct impact of animal health camps conducted by KVK	In progress
				11. Also suggested to conduct studies on the nutritional effect owing to several activities taken up related to poultry	In progress
				12. To undertake activities to reduce cobalt deficiency in animals	FLD is initiated
				13. ZPD should provide human resources to KVK to enhance the quality of work	12th plan proposal has been done
				14. Suggested to continue the publication of KVK newsletter	Planning to bring out newsletter during the year 2012
				15. There is a need for educating milk producers on the azolla cultivation and silage preparation	Educating farmers in every On and Off Campus training programs
				16. It was suggested to grow fodder seeds at KVK and supplying seeds or fodder slips to the possible extent	Fodder slips of different varieties are being distributed to farmers
				17. Establish at least 10 bee hives in KVK for demonstration to the farmers	Established Demo unit
				18. Multiply the fodder which is having low oxalate content and Guatamala variety can be utilised for the purpose	Co-3 has the low oxalate content when compared to BH-9, DH-6 and APN-1
				19. Use multiple varieties of fodder grass	Maintaining live fodder museum comprising 10 grass fodder varieties and legumes

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
				20. Promote Organic farming and Apiculture by organising demo units at KVK and provide Bee colonies to farmers	In progress
				21. KVK activities should reach all corners of the Hassan district	Already activities were taken up covering all the talukas of the district
				22. Suggested to scale-up pepper drying technology	Front Line Demonstration is initiated

PART II - DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise
1.	Rainfed Farming System: Horticulture-Animal Husbandry, Ragi / Sugarcane- Animal Husbandry
2.	Rainfed wet farming with plantation
3.	Irrigated wet land- Animal husbandry
4	Assured rainfed potato / maize based cropping system/ vegetable- Animal husbandry/FCV tobacco based cropping system / rainfed double cropping system- animal husbandry

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

S. No	Agro-climatic Zone	Characteristics
1.	Central Dry Zone	Total rainfall is 456 to 717 mm. Most of the rainfall is received from May to October Elevation: 800 – 900 mts in major areas and 450-800 mtrs in remaining areas. Soils are red sandy loam and deep black in remaining areas
2.	Southern Dry Zone	This zone receives a low rainfall of 600-900 mm during pre-monsoon, South west and north east monsoon seasons Elevation: 800 – 900 mts in major areas and 450-800 mtrs in remaining areas Soils – Red sandy loam in major areas and black soils in some parts
3.	Southern transition zone	Elevation: 800-900 mts in major areas and partly 450-800 mts and in other areas 900-1500 mts Rainfall: 700-1050mm rainfall spread out in three distinct periods as pre monsoon, monsoon and north east monsoon
4.	Hilly Zone	Elevation: 800-900 mtrs in major areas, 900-1500 meters some places and 450-800 in some places Soils: Red clay loamy soils in major areas

S. No	Agro ecological situation	Characteristics
1	Zone IX AES - 2	High elevation and high rainfall belt Major Crops: Coffee, Paddy, Cardamom, Mandarin, Banana, Pulses. Area, Sakaleshpur Rain fall: 2896 mm Altitude: 800 – 1000 mt from MSL Rainy Days – 114 Soil: Red, Sandy loamy to Clay loamy Major Cropping systems: Coffee + Pepper + Cardamom, Areca + Cardamom, Areca + Cardamom + Pepper + Banana, Paddy followed by pulses Special features: Long duration Kharif Paddy, Drill sowing in Paddy
2	Zone VII AES 2 (RS-HR)	Red sandy soil and high rainfall Area covered: Halebeedu and Madihalli hoblies of Belur Taluk, Alur kasaba and Kundur hoblies of Alur Taluk and all five hoblies of Arkalgud taluk Soils: Red sandy soils Rainfall: 941.5 mm Altitude: 579 m to 968 m Major Crops: Paddy, Ragi, Jowar, Maize, Pulses, Groundnut, Sesamum, Sunflower, Cotton, tobacco, Mulberry, Sugarcane, Plantation Crops Area covered: Arehalli, Belur Kasaba and Bikkod Hoblies of Belur Taluk. Palya and K.Hosakote hoblies of Alur Taluk. Soil: Red loamy Rainfall: 1319.3mm Elevation : 960-1052 mm Major Crops: Paddy, Ragi, Jowar, Maize, Pulses, Groundnut, Sesamum, Sunflower, Cotton, tobacco, Mulberry, Sugarcane, Plantation Crops
3	AES (RS-MR) -5	All five hoblies of Hassan taluk, all three hoblies of Holenarasipura taluk Soil:Red sandy Rainfall: 796.07 mm Crops: Sesamum, groundnut, Horsegram, Dolichos, Paddy, ragi, jowar, sunflower, cotton, sugarcane,and tobacco
4	AES (Irrigated) 7	Scattered in all Agro Ecological Situations of zone. Soil: Lateritic, Red sandy, Red loamy, Red and Black mix Crop: Paddy, Ragi, Jowar, Groundnut, Sugarcane, Arecanut
5	Adverse soil AES 8	Scattered in all AES of zone ; Soil: Saline, acidic, alkaline Crop: paddy

S. No	Agro ecological situation	Characteristics
6	Zone 4 AES I	RL - LR Total rainfall is 456 to 717 mm. Most of the rainfall is received from May to October. Elevation: 800 – 900 mts in major areas and 450-800 mtrs in remaining areas. Soils are red sandy loam and deep black in remaining areas Crops-Jowar, groundnut, redgram, pulses, small milletrs, sugarcane, paddy, cotton, ragi, wheat, maize and plantations
7	Zone 6 AES I	RL-MR This zone receives a low rainfall of 600-900 mm in pre-monsoon as well as in South west and north east monsoon seasons Elevation: 800 – 900 mts in major areas and 450-800 mtrs in remaining areas Soils – Red sandy loam in major areas and black soils in some parts Crops-Jowar, pulses, small millets, groundnut, oilseed, paddy. Ragi, cotton, sugarcane, Mulberry, plantations

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Alfisols	The soils of Hassan are largely formed under the influence of climate, vegetation and relief. The soils range from deep to very deep in nature and one dark brown to yellowish red in colour. In terms of productivity, nearly half of the area of soils in Hassan are known to be productive with deep soils characterized with moderate to well drained conditions. The problematic soils in terms of salinity, sodicity, severe erosion and shallow depth accounts for 1/5th of the total geographical area. However, the remaining 1/3rd of soils can be effectively used with good management practices.	64364
2	Entisols		7713
3	Inceptisols		41438

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Paddy	53146	128074	2533
2.	Ragi	73932	103020	1592
3.	Maize	62754	139346	3620
4.	Horse Gram	10672	4184	433
5.	Red Gram	1757	611	366
6.	Ground nut	803	649	952
7.	Sunflower	14748	8688	842
8.	Potato	22500	91733	8285
9.	Sugar Cane	2659	270287	107

* District at a glance 2009-10 http://hassan.nic.in/DstGlance/dstglance0910.pdf

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	126.3	32.24	18.58	79
May	242.3	30.89	18.32	66.77
June	86.4	25.89	18.46	81.8
July	106.8	25.52	17.54	24.29
August	80.6	25.88	16.70	84.19
September	52.1	26.80	15.76	79.36
October	220.2	28.64	16.01	78.03
November	104.1	27.12	13.30	69.83
December	0	27.83	12.64	55.22
January	0	29.05	12.26	36.25
February	0	31.72	13.71	29.6
March	0	33.8	17.20	39.9
Mean	**84.9**	**28.78**	**15.87**	**60.35**

*IMD, Part time observatory, KVK, Hassan.

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

Category	Population	Production	Productivity
Cattle			
Crossbred	181594	1452752	12-15 liter/cow/day
Indigenous	536834	-	2-3 liter/cow/day
Buffalo	217143	-	3-4 liter/cow/day
Sheep			
Crossbred	-	-	-
Indigenous	228109	3650 tons meat/year	28-32 kgs of body weight animal
Goats	149859	7193 Tons meat/year	32-38 Kgs of body weight/animal
Pigs			
Crossbred	2822	254 tons of pork/year	80-100 Kgs of body weight/animal
Indigenous			
Rabbits	778	-	2.5-3 Kgs of body weight/animal
Poultry			
Hens			
Desi	585799	-	50-60 eggs/hen/year
Improved	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	2100 ha	8924 MT	0.424 MT
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

Dept. of Animal Husbandry and veterinary service

2.7 **District profile has been prepared and submitted Yes / No:** Yes

2.8 Details of Operational area / Villages

Sl.No.	Name of the block /Taluk	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Alur	Magge, Manipura, Ballupete, Kirugadalu, Bharatavally	Since 2010	Poultry, Dairy,Paddy, Ginger, Dairy, Potato, Coffee, Areca	• Ranikhat in backyard poultry • Non availability of turkey birds • Unaware of quail farming • Soft rot and shoot borer problem in Ginger High price fluctuation, post harvesting losses extent to 20%, low prices	• Disease management • Introduction of turkey birds • Hatchery unit • Management of soft rot and shoot borer in Ginger • Post harvest processing and value addition INM in cereals
2	Arasikere	Mududi, Doddenahally, Mellahally, Kalgundi, Nagathihally, Adihally, Sulekere	Since 2010	Fisheries, Coconut, Sunflower, Groundnut, Banana, Maize, Redgram, Castor, Greengram, Paddy, Vegetables, Niger, Sesamum, Fodder, Millets, Ragi, Cucumber,Stored grain	• Unavailability of fish seeds • Non availability of HYV and hybrids • Imbalanced and insufficient use of fertilizers • Availability of short duration varieties • Lack of knowledge on cultivation of improved fodder	• Popularization of fish seed rearing • Introduction of high yielding varieties / hybrids • ICM in Castor • Efficient water management • INM in Sunflower

Sl.No.	Name of the block /Taluk	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				pests, Biofuels	varieties • Lack of knowledge on water saving technology in paddy • Low production in coconut, cereals and pulses • Pulse beetle menace in storage condition • Lack of knowledge on Biofuels	and Groundnut • Vermicomposting • INM in coconut, cereals and pulses • Management of Pulse beetle menace in storage condition
3	Belur	Thattehally,Lingappana koppalu, Kodihallybare, Marenahally, Gangoor, Halebeedu, Shettyhally	Since 2010	Poultry, Dairy,Vegetables, Redgram, Greengram, Cowpea, Sunflower, Maize, Cotton, Tomato, Dal, Ragi, Potato,ginger	• Ranikhat outbreaks in back yard poultry • Fertility problems in dairy cows • Maize dry fodder wastage • Severe infestation of bollworm, sucking pests, leaf reddening and square dropping in DCH-32 cotton • Non-availability of improved variety HYV seeds • Low price and glut in the market • Soft rot and shoot borer problem in Ginger •	• Disease management • Counteracting infertility problems • Dry fodder treatment • Hatchery unit • Quails farming • Productivity in Cotton • Popularization of short duration redgram • Shelf life in value added products • Management of Soft rot and shoot borer problem in Ginger
4	Hassan	Salagame, Mahichanahally, Dasaraioppalu, Ningegowdanakoppalu, Hassan, Anugavally, Nittur, Vedavathi, Gadenahally, Honnagowdanahally, Mylanahally, Dyavalapura, Marichanahally, Barathvally	Since 2008	Piggery, Poultry, Dairy, Marigold, Serrated sickles, Paddy, Chilli, Banana, Maize, Ginger, Vegetable crops, Ragi, Potato, Coconut	• Swine fever,Poor growth rate and low litter size • Ranikhat outbreak in Desi poultry birds and non availability of turkey birch • Fertility problems in crossbred and Desi cows • Low safety in marigold harvesting • Low efficiency and high	• Integrated scientific management in pigs • Use of Ranikhet vaccine • Popularization of turkey • Counteracting infertility problems

Sl.No.	Name of the block /Taluk	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					drudgery of farm women in maize harvesting • Blast in paddy • improper nutrient management • Lack of awareness of balanced fertilized application • Zinc deficiency • Lack knowledge of soil testing • Shoot borer in paddy • Ginger soft rot problem • Income generation Soft rot and shoot borer problem in Ginger	• Safety in agricultural operation • Drudgery reduction • Management of blast disease in paddy • Soft rot management in Ginger Shoot borer management in Ginger
5	Sakaleshpure	Eshwarahally, Sakaleshpura, Igoor, Kuppali, Huchangi, Karagoor, Iguru	Since 2009	Poultry,Pepper, Paddy, Maize, Areca, Potato, Coffee, Cardamum, Ginger, Chilli, Greengram, Cowpea	• Non survivability of turkey birds • Physical injuries to coffee Picking Labours • Poor Quality of pepper • Labour problem • Cereals and pulse storage • Local varieties of cowpea and greengram as residual crops after paddy • High incidence of paddy blast • Soft rot and shoot borer problem in Ginger • Submergance of paddy after transplanting • Low yield in maize paddy, pulses etc., Acidic soils and deficiency of Ca and P	• Testing adaptability of turkey birds • Using of protective cloth hand gloves for coffee Picking Labours • Post harvest Processing and Value addition • Mechanization • ICM in paddy • Resource utilization • Management of Soft rot and shoot borer problem in Ginger
6	Arakalgudu	Kabaligere, Ramanathapura Hullangala, Rangapura	Since 2010	Fisheries, Paddy, pulses, plantation crops, coffee, Tobacco,	• Low production in fisheries • Soil Acidity with deficiency of Ca, P and K	• Poor management • INM in Paddy and plantation crops

Sl.No.	Name of the block /Taluk	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
				ginger, watermelon, Banana	• High incidence of sheath blight • Soft rot and shoot borer problem in Ginger • Low yields in Banana and Watermelon	• Management of Soft rot and shoot borer problem in Ginger • Introduction of new technology of transplanting in watermelon and Buch feeding in Banana
7	Channarayapatna	Bandihalli, Baralu, Dammaningala, Kumbarahally, Annenahalli, Cholenahalli	Since 2010	Coconut, Ragi, Potato, Paddy, Backyard poultry, Dairy, Maize, Sugarcane, Fodder	• Late blight in potato • Coconut stem bleeding , Rhinoceros beetle and red palm weevil menace • Improper water management • Shortage of organic matter and lack of awareness of green manures • Lack of knowledge of pheromone traps • Imbalanced nutrition • Problematic soils – Saline and/or sodic • Deficiency of sulphur	• Late blight management • Coconut stem bleeding management • Management of coleopteran pests through pheromone traps • INM in paddy • INM in coconut
8	Holenarasipura	Hallymysore, Kasaba, kallilkoplu	Since 2010	Paddy, Areca nut, Coconut, Sugarcane, Potato, Ragi, Maize, Vegetable crops, Dairy, Biofuels	• Paddy blast disease • Bud rot in areca nut • Coleopteran pests on coconut • Sugarcane shoot borer • Late blight in potato • Spodoptera menace on potato • Low application of organic manures • Improper and imbalanced nutrition (without potassium application) • Low production and	• Management of Spodoptera • Vermicomposting • INM in coconut and cereals • Balanced nutrient with potassium supplementation

Sl.No.	Name of the block /Taluk	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
					disease out breaks in milch animals • Low production in maize and pulses • Nutrient imbalanced in vegetable crops	

2.9 Priority thrust areas

Thrust area
Disease management in poultry
Turkey birds in backyard
Integrated management in pigs
Infertility in dairy animals
Maize dry fodder enrichment
Integrated Crop, Pest and Disease Management
Integrated Nutrient Management
Animal Nutrition And Health
Value Addition
Socio-Behavioral Skills
Drudgery Reduction Through Improved Agricultural Implements
Post Harvest Technology
Crop and Seed Production
Management of Problematic Soils
Irrigation
Mechanization
Organic Farming
Marketing
Mixed Fish culture
ICT
Human Resource Development

PART III - TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
9	09	50	60	24	20	227	205

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
80	132	2450	5121	1185	2257	1185	20172

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
	Paddy- 43		Amla -4232
	Ragi-(GPU 48) - 45		Arecanut -411
	Ragi-(GPU-66) 10		Chakramuni -32
	Radgram-6		Drumstick -2398
	Sesamum 1		Insulin -17
	Wheat-2		Lemon -5063
	Co-3-55000 no		Mango -2130
	Co-4 133500 no		Papaya -1051
	Sugarcane- 150 t		Silver Oak -5137

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Milk- 10000 Liters	8352.85 Liters	Earth worm	24 kg
Poultry- 3000 Birds	4053 Birds		
Piglets- 90	46		
Lambs -10	9		

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

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1	IPDM	Potato	menace of Late blight	Management of Lateblight in Potato	-	2	-	-	-	-	-	-	-	-
2	IPM	Potato	Mite menace	-	Management of mites in potato	1	-	-	1	-	-	-	-	-
3	IPDM	Ginger	Shoot borer and soft rot problem	Management of soft rot and shoot borer in ginger	-	3	-	-	-	-	-	-	-	-
4	IPM	Nursery/Agril /Hort. crops	Snail menace	-	Management of giant African Snail, *Achatina fulica* in Nursery/ Agril. Crops	-	-	-	1	-	-	-	-	-
5	Integrated Pest management	Pulse	Infestation by pulse beetles	-	Management of Stored Grain Pests with UAS Pulse Storage Technology	2	-	-	-	-	-	-	-	-
6	Infertility in dairy animals	Dairy	Infertility	-	Fertility Management in Milch Animals through Vit E & Minerals supplementation	07	-	17	-	-	-	-	-	-
7	Maize dry fodder enrichment	Dairy	Maize dry fodder wastage	-	Enrichment of Maize Dry Fodder	02	-	-	-	-	-	-	-	-
8	Integrated management in pigs	Piggery	Poor management	-	Integrated Approaches to Enhance Piggery production	-	**2**	-	-	-	-	Piglets	-	-
9	Disease problem in poultry	Backyard Poultry	Ranikhet disease outbreak	Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry	Turkey birds rearing in backyard	09	-	-	-	-	-	Giriraja birds turkey birds	-	-
12	Crop production	Paddy	Non availability of labour and high cost	-	Mechanization in Paddy from Transplanting to Harvesting	-	-	-	-	-	-	-	-	-
13	Low yields	Paddy	Growing long duration local varieties	-	Integrated Crop Management in KCP-1 Paddy	01	-	-	-	2.5	-	-	-	-
14	HYV	Paddy	Non availability of	-	Introduction of	-	-	-	-	1.25	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
			suitable variety for summer		Short Duration Paddy Var. KMP-105 for Summer									
15	Crop production	Wheat	Wheat is not a traditional cop	-	Integrated Crop Management in Wheat	-	-	-	-	2.0	-	-	-	-
16	HYV	Ragi	Low yield and blast	-	Integrated Nutrient Management in Ragi	01	-	-	1	2.5	-	-	-	-
17	Fodder production	CO-4	Low fodder yield	-	Popularization of High Yielding Fodder Variety Co-4	01	-	-	1	-	100000 cuttings	-	-	-
18	ICM	Paddy	Submergence in low laying areas	Swarna Sub Paddy Variety for Submerged Condition	-	-	-	-	-	1.25	-	-	-	-
19	ICM	maize	Low plant population and fertilizer management	Yield maximization through High Plant Density and Fertilizer Management in Maize	-	-	-	-	-	-	-	-	-	-
20	ICM	Chilli	Low yielding local varieties	-	Popularization of Chilli Hybrid Arka Meghana	-	-	-	-	750gm	-	-	-	-
21	INM	Banana	Lower than the potential yield	-	Micronutrient Management through Banana Special	-	-	01	-	-	-	-	-	-
22	INM	Banana	Improper nutrient management and reduction fruit quality and growth	-	Enhancement of Banana bunch size through post shoot feeding of nutrients	-	-		01	-	-	-	-	-
23	ICM	China aster	Non adaptation scientific cultivation of china aster	-	Popularization of China aster var. Kamini	-	-	-	-	500gm	-	-	-	-
24	Crop production	Brinjal	lower yield due to high density of plant population	Performance of Hybrid Brinjal (Arka anand) with Wider Spacing	-	-	-	-	-	250gm	-	-	-	-
25	ICM	Watermelon	less mortality due to seed and weed	Production of Watermelon	-	1	-	-	-	2.5 kg	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
			competition in the main field	through Transplanting										
26	Post harvest storage and value addition	Black pepper	Fungal infection	-	Value Addition through Pepper Drying	-	-	-	-	-		-	-	-
27	Fish seed rearing	Fisheries	Non availability of seeds	-	Fry to Fingerling seed Production of Catla	-	-	-	-	-	-	8 lakhs fish spawn	-	-
28	Pest management	Paddy	Storage pest	-	Use of Metal Bins for paddy storage	-	-	-	-	-	-	-	-	-
29	Pulses storage	Pulse	Storage beetle	Management of pulse storage beetle through Neem leaves & Ginger powder	-	-	-	-	-	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Management of Soft Rot in Ginger	IISR (Calicut, Kerala)	Ginger	1	-	3	-
2	Management of Lateblight in Potato	CPRI	Potato	1	-	3	-
3	Management of Shoot Borer through Sequential Spray in Ginger	UAS(B) and IISR(Calicut, Kerala)	Ginger	1	-	-	-
4	Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry	TANUAS, Chennai	Backyard Poultry	1	-	9	-
5	Swarna Sub Paddy Variety for Submerged Condition	CRRI, Cuttack Orissa	Paddy	1	-	-	-
6	Yield maximization through High Plant Density and Fertilizer Management in Maize	UAS-B	Maize	1	-	-	-
7	Performance of Hybrid Brinjal (Arka Anand) with Wider Spacing	IIHR Bangalore	Brinjal	1	-	-	-
8	Production of Watermelon through Transplanting	IIHR Bangalore	Watermelon	1	-	-	-

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
9	Management of pulse storage beetle through Neem leaves & Ginger powder	Centre of Indian knowledge systems (CIKS), Chennai	Pulse	1	-	-	-
10	Introduction of Fenazaquin and Wettable sulphur against Potato Mite	UAS-B	Potato	-	1	1	1 field day
11	Methomyl 40 sp poison bait against Giant African snail *Achatina fulica*	UAS-B	Nursery and Agricultural crops	-	1	-	1 field day
12	Management of Stored Grain Pests with UAS Pulse Storage Technology	UAS-B	Pulse	-	1	1	-
13	Fertility Management in Milch Animals through Vit E & Minerals supplementation	KVAFSU, Bidar	Dairy	-	1	7	-
14	Enrichment of Maize Dry Fodder	KVAFSU, Bidar	Dairy	-	1	2	-
15	Integrated Approaches to Enhance Piggery production	KVAFSU, Bidar	Piggery	-	1	2	-
16	Turkey birds rearing in backyard	CPDO, Hesaraghatta	Backyard Poultry	-	1	-	-
17	Mechanisation in Paddy from Transplanting to Harvesting	UAS (B)	Paddy	-	1	-	-
18	Integrated Crop Management in KCP-1 Paddy	UAS-B	Paddy	-	1	1	-
19	Introduction of Short Duration Paddy Var. KMP-105 for Summer	UAS-B	Paddy	-	1	-	-
20	Integrated Crop Management in Wheat	UAS-B	Wheat	-	1	-	-
21	Integrated crop Management in Ragi	UAS-B	Ragi	-	1	1	1 field day
22	Popularization of High Yielding Fodder Variety Co-4	UAS-B	CO-4	-	1	1	1 field day
23	Popularization of Chilli Hybrid Arka Meghana	IIHR, Bangalore	Chilli	-	1	-	-
24	Micronutrient Management through Banana Special	IIHR, Bangalore	Banana	-	1	1	-
25	Enhancement of Banana bunch size through post shoot feeding of nutrients	IIHR, Bangalore	Banana	-	1	-	1 field day
26	Popularization of China aster var. Kamini	IIHR, Bangalore	China Aster	-	1	-	-
27	Value Addition through Pepper Drying	UAS-D	Pepper	-	1	-	-
28	Fry to Fingerling seed Production of Catla	UAS-B	Catla	-	1	-	-
29	Use of Metal Bins for paddy storage	UAS-D	Paddy	-	1	-	-

3.B2 contd..

Sl. No.	No. of farmers covered															
	OFT				FLD				Training				Others (Specify)			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	4	1	-	-	-	-	-	-	110	8	3	-	-	-	-	-
2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	4	1	-	-	-	-	150	55	140	60	-	-	-	-
5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	4	1														
8	3	2	-	-	-	-	-	-	8	-	-	-	-	-	-	
9	-	20	-	-	-	-	-	-	-		-	-	-	-	-	
10	-	-	-	-	10	-	-	-	113	23	-	-	-	-	-	-
11	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	1	16	-	3	39	14	-	2	-	-	-	-
13	-	-	-	-	5	-	-	-	151	20	59	21	600	140	192	49
													Veterinary health camps			
14	-	-	-	-	-	-	3	2	60	28	-	-	-	-	-	-
15	-	-	-	-	5	-	-	-	60	09	20	-	-	-	-	-
16	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	8	2	4	1	-	-	-	-	-	-	-	-
18	-	-	-	-	10	1	5	2	25	2	10	0	-	-	-	-
19	-	-	-	-	12	3	5	1	-	-	-	-	-	-	-	-
20	-	-	-	-	5	2	2	1	-	-	-	-	-	-	-	-
21	-	-	-	-	23	6	10	4	20	-	9	-	-	-	-	-
22	-	-	-	-	15	2	8	5	21	2	5	2	-	-	-	-
23		-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
24		-			9				12	4						
25		-			5	-	-	-	-	-	-	-	20	6	-	-
26		-	-	-	5	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	6	3	2	1	-	-	-	-	-	-	-	-
28	-	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-
29	-	-	-	-	5	-	2	-	-	-	-	-	-	-	-	-

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	1	-	-	-	-	-		-	-	1
Integrated Pest Management	-	-	-	-	-	-	-	1	-	1
Integrated Crop Management	1	-	-	-	1	1	-	-	-	3
Integrated Disease Management	-	-	-	-	-	-	-	1	1	2
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	1	-	-	-	-	-	-	1
Mushroom cultivation	-	-		-	-	-	-	-	-	
Total	2	-	1	-	1	1	-	2	1	8

4.A2. 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
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	1	-	-	-	1
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	1	-	-	-	1

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	Paddy	Swarna Sub Paddy Variety for Submerged Condition	5	5	2
	-	-	-	-	-
Integrated Pest Management	Ginger	Management of shoot borer	5	5	1
	-	-	-	-	-
Integrated Crop Management	Maize	Yield maximization through High Plant Density and Fertilizer Management in Maize	5	5	2
	Brinjal	Performance of Hybrid Brinjal (Arka anand) with Wider Spacing	5	5	2

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
	Watermelon	Production of Watermelon through Transplanting	5	5	2
Integrated Disease Management	Ginger	Management of Soft Rot in Ginger	5	5	1
	Potato	Management of Lateblight in Potato	5	5	1
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition					
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	Pulse	Management of pulse storage beetle through Neem leaves & Ginger powder	5	20	5 units
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	8		40	55	

4.B.2. Technologies refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management					
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	Backyard Poultry	Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry	5	5
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

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

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

4.C1. Results of Technologies Assessed

Results of On Farm Trial -1: Assessment of copper oxy chloride against of Soft Rot in Ginger

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Ginger	Rainfed protective irrigation	Severe menace of soft rot	Assessment of copper oxy chloride against Soft Rot in Ginger	5	Drenching of Copper oxy chloride	percent tillers rotted /hill	T1- 36.76 T2- 5.14 T3- 5.26	Drenching of Copper oxy chloride found to be almost on par with Metalaxyl-Mancozeb based fungicide	Copper oxy chloride is cheaper than Metalaxyl-Mancozeb based fungicide	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice) - Soff, Contof, D.M.45	-	27.00	t/ha	92009.00	1.05
Technology option 2 - Metalaxyl-Mancozeb based fungicide	UAS(B)	30.20	t/ha	126743.40	1.70
Technology option 3 - Copper oxy chloride	IISR, Calicut	31.60	t/ha	146477.00	2.28

4.C1. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed: Assessment of copper oxy chloride against Soft Rot in Ginger
2 Problem Definition: Severe incidence of soft rot
3 Details of technologies selected for assessment: Drenching of Copper oxy chloride @ 3g/l around the infected hill and nearby healthy hills also
4 Source of technology: IISR, Calicut
5 Production system and thematic area: sprinkler irrigation IDM
6 Performance of the Technology with performance indicators: Drenching of Copper oxy chloride is on par with Metalaxyl-Mancozeb based fungicide and cost effective
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques :

Effective check of further spread of disease, % tillers rotted, yield t/ha, net return Rs/ha and B:C ratio

8 Final recommendation for micro level situation: Drenching of Copper oxy chloride @ 3 g/l is cost effective

9 Constraints identified and feedback for research: immediate attention to suppress the disease spread is lacking and sequential application of fungicides need to be studied

10 Process of farmers participation and their reaction: farmers opined that Copper oxy chloride is cheaper and cost effective

Results of On Farm Trial -2 : Assessment of seed treatment and sequential spray for control of Lateblight in Potato

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Potato	Rainfed and protective irrigation	Severe outbreak of late blight	Assessment of seed treatment and sequential spray for control of Lateblight in Potato	5	Seed tr. With systemic fungicide cymoxanyl-mancozeb, sequential spray of cymoxanyl-mancozeb & Dimethomorph + mancozeb	% leaf damage	T1- 81% T2- 52% T3-17.20%	Seed tr. With systemic fungicide + sequential spray of systemic fungicide found effective	Convinced about Seed tr. With systemic fungicide + systemic fungicide	Yes replacement of dithane – M45 with cymoxanyl-mancozeb based fungicide	Contact fungicide is not effective and Metalaxyl-Mancozeb based fungicide is not so effective

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)- Indiscriminate application		-	8.06t/ha	50,880	3.71
Technology option 2 – seed treatment with mancozeb and Metalaxyl-Mancozeb based fungicide	UAS (B)	-	9.20t/ha	61360	4.18
Technology option 3 – seed treatment with systemic fungicide cymoxanyl-mancozeb, sequential spray of cymoxanyl-mancozeb & Dimethomorph + mancozeb	CPRI	-	12.12t/ha	75800	4.84

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

1 Title of Technology Assessed : Assessment of seed treatment and sequential spray for control of Lateblight in Potato
2 Problem Definition: Severe outbreak of late blight
3 Details of technologies selected for assessment: seed treatment with systemic fungicide Metalaxyl-Mancozeb based and sequential spray of cymoxanyl- Mancozeb based fungicide and Dimethomorph + mancozeb
4 Source of technology: CPRI, simla
5 Production system and thematic area: Rainfed with protective Irrigation IDM
6 Performance of the Technology with performance indicators: Effective in tackling the disease when compared to recommended package but not so cost effective
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Disease control con be achieved, % leaf damage, yield t/ha, net return Rs./ha and B:C ratio
8 Final recommendation for micro level situation: seed treatment with cymoxanyl-mancozeb based fungicide followed by sequential application of cymoxanyl-mancozeb based fungicide @ 3 g/l and after one week interval spraying of Dimethomorph @ 1g/l + mancozeb @ 3 g/l found very effective
9 Constraints identified and feedback for research: consumption should be made for seed treatment and tamely application of fungicide
10 Process of farmers participation and their reaction: farmers opined that seed treatment with systemic fungicide could mitigate the spread of disease and systemic fungicides are effective in tacking spread of disease

Results of On Farm Trial -3 : Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Poultry	Backyard poultry	Disease out break	Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry	5	Oral pellet ranikhet vaccine	Disease incidence % mortality	-	-	Performance is good	-	-

Contd..

Technology Assessed	Source of Technology	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)		Net Return (Profit) in Rs. / unit	BC Ratio
13	14	Disease incidence	mortality percentage	17	18
Technology option 1 (Farmer's practice) – no vaccination	-	1.0	2.8	-	-

Technology option 2 – R2B vaccination	KVAFSU, Bidar	0.6	1.8	-	-
Technology option 3- oral pellet Ranikhet vaccination	TANUVAS, Chennai	0.0	0.8	-	-

4.C3. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Use of Oral Pellet Ranikhet Vaccine in Backyard Poultry
2 Problem Definition: Ranikhet out break leads to severe mortality
3 Details of technologies selected for assessment: Oral pellet Ranikhet vaccine
4 Source of technology: TANUVAS, Chennai, Tamilnadu
5 Production system and thematic area: Backyard poultry
6 Performance of the Technology with performance indicators: Effectively controls the Ranikhet disease out breaks
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Incidence of Ranikhet disease outbreak is lowered
8 Final recommendation for micro level situation: use of oral pellet Ranikhet vaccine once in three months
9 Constraints identified and feedback for research: NIL
10 Process of farmers participation and their reaction: Good

Results of On Farm Trial -4 : Swarna Sub Paddy Variety for Submerged Condition

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rainfed	Temporary submergence in low laying areas	Swarna Sub Paddy Variety for Submerged Condition	5	Swarna Sub Paddy Variety for Submerged Condition	Seedling survival and Yield	-	-	Seedlings won't decay submerged condition upto one month without seedling damage	Should supply additional potash to avoid grain shattering	Potash application at panicle initiation stage reduces grain shedding

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	-	-	42.23q/ha	9107	0.31

Technology option 2	UAS- B	-	53.75q/ha	19475	0.67
Technology option 3	CRRI, Cuttack Orissa	-	58.09q/ha	23381	0.81

4.C4. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed: Swarna Sub Paddy Variety for Submerged Condition
2 Problem Definition: Temporary submergence in low laying areas
3 Details of technologies selected for assessment: T1-Growing Rajamudi variety, T2- Sharavathi T3- Swarna sub
4 Source of technology: CRRI, Cuttack Orissa
5 Production system and thematic area: Paddy- Crop production
6 Performance of the Technology with performance indicators: Seedlings withstanding to temporary submerged condition
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques:
8 Final recommendation for micro level situation: Nil
9 Constraints identified and feedback for research: Need to reduce grain shatering
10 Process of farmers participation and their reaction: Good

Results of On Farm Trial -5 : Yield maximization through High Plant Density and Fertilizer Management in Maize

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Maize	Rainfed	Low yield due to less plant population	Yield maximization through High Plant Density and Fertilizer Management in Maize	5	60 x 20 cm + 150+75+37.5 NPK + 7.5 t compost	Growth and yield	Yield (q/ha)	More yield with less area	Good	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	-	-	82.47q/ha	43562	1.22
Technology option 2	UAS-B	-	89.95q/ha	50452	1.44
Technology option 3	UAS-B	-	98.56q/ha	55782	1.59

4.C5. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Yield maximization through High Plant Density and Fertilizer Management in Maize
2 Problem Definition: Low yield due to less plant population
3 Details of technologies selected for assessment: T1- Only row spacing of 60 cm , T2- 60 x 30 cm + 100+50+25 NPK + 7.5 t compost, T3- 60 x 20 cm + 150+75+37.5 NPK + 7.5 t compost
4 Source of technology: UAS-B
5 Production system and thematic area: Maize- Crop production
6 Performance of the Technology with performance indicators: Higher yield with good grain filling and bold seeds
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : More yield with less area
8 Final recommendation for micro level situation: Nil
9 Constraints identified and feedback for research: Nil
10 Process of farmers participation and their reaction: Good

Results of On Farm Trial -6 : Assessment of mixture of Zinger powder and Neem leaves against pulse beetle

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Pulse	Summer	Pest problem in storage	Assessment of mixture of Zinger powder and Neem leaves against pulse beetle	5	Neem leaves powder 5%& Ginger powder 3%	No. of seeds damaged for 100 seeds	(Incidence of Pest) T1: 40 T2: 20 T3: 10	11% Damaged (T3)than Farmers Practice	Satisfactory	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	-	62 (38% Damaged)	% damage by storage pest	1770	3.49
Technology option 2	UAS (B)	98 (2% Damaged)	% damage by storage pest	3220	5.60
Technology option 3	Centre for Indian knowledge systems (CIKS), Chennai	89 (11% Damaged)	% damage by storage pest	2810	4.70

4.C6. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed: Assessment of mixture of Zinger powder and Neem leaves against pulse beetle

2 Problem Definition: Loss in stored grains (Green gram, Field bean, Red gram, Cowpea etc.) of pulses due to incidence of pulse beetle.

3 Details of technologies selected for assessment: T1- Stored in Gunny Bags
T2- UAS pulse storage technology
T3- Preparation of baits from a mixture of Zinger powder and Neem leaves at the rate of 30 gms and 50 gms per kg of pulses.

4 Source of technology: Centre for Indian knowledge systems (CIKS), Chennai

5 Production system and thematic area: Small and big production system

6 Performance of the Technology with performance indicators: Percent infestation and CB Ratio

7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Good and effective, no any incidence of pest in treated grains

8 Final recommendation for micro level situation: Good for introduction as storage device.

9 Constraints identified and feedback for research: Nil

10 Process of farmers participation and their reaction: Farmers are very well convinced about the cheaper technology

Results of On Farm Trial -7 : Assessment of Performance of Hybrid Brinjal (Arka Anand) with Wider Spacing

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Brinjal	Irrigated	lower yield due to high density of plant population	Assessment of Performance of Hybrid Brinjal (Arka Anand) with Wider Spacing	5	spacing	yield	Plant growth and branching habit	In progress			

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	Farmers practice	Crop is in flowering stage (in progress)			
Technology option 2	UAS, Bangalore				
Technology option 3	IIHR, Bangalore				

4.C7. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Assessment of Performance of Hybrid Brinjal (Arka Anand) with Wider Spacing
2 Problem Definition: lower yield due to high density of plant population
3 Details of technologies selected for assessment: T1-70 X 30 cm, T2-90 X 60 cm, T3- 120 X 60 cm
4 Source of technology: IIHR, Bangalore
5 Production system and thematic area: ICM in Brinjal
6 Performance of the Technology with performance indicators**: In progress**
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques :
8 Final recommendation for micro level situation:
9 Constraints identified and feedback for research:
10 Process of farmers participation and their reaction:

Results of On Farm Trial -8: Assessment of Production of Watermelon through Transplanting

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Watermelon	Irrigated	less mortality due to seed and weed competition in the main field	Assessment of Production of Watermelon through Transplanting	5	Transplanting using recommended practices	Seedling survival %	T1:70 T2: 70 T3: 95	transplanting of seedling following recommended package of practices gives better yield	Good response	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	-	-	54 t/ha	1,83,000	1.73
Technology option 2	UAS, Bangalore	-	60 t/ha	2,20,400	1.84
Technology option 3	IIHR, Bangalore	-	80 t/ha	3,82,668	2.48

4.C8. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Assessment of Production of Watermelon through Transplanting
2 Problem Definition: poor germination of seeds in the main field (low population)

3 Details of technologies selected for assessment: T1-Farmers practice, T2- seed planting using recommended practices, T3-Transplanting using recommended practices
4 Source of technology: IIHR, Bangalore
5 Production system and thematic area: ICM in watermelon
6 Performance of the Technology with performance indicators: Reduce seed rate, low mortality and higher yield recovery
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : mortality and Yield
8 Final recommendation for micro level situation: transplanting of seedling following recommended package of practices gives better yield
9 Constraints identified and feedback for research: proper depth of seedling placement during transplanting should be standardized
10 Process of farmers participation and their reaction: encouraging

Results of On Farm Trial -9: Assessment of Lambda cyhalothrin for control of shoot borer in Ginger

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Ginger	Rainfed and protective irrigation	Economic loss due to Shoot borer menace	Assessment of Lambda cyhalothrin for control of shoot borer in Ginger	5	Application of Lambda cyhalothrin @ 1ml/l	% shoot damage	T1- 6.40 T2- 3.20 T3- 2.40	Lambda cyhalothrin gave good control of shoot borer in later part of crop stage than dimethoate	Spray of Lambda cyhalothrin is good	Sequential spray of dimethoate and Lambda cyhalothrin need to be assessed	Because systemic insecticides are effective in early crop growth stage and later stages contact insecticides are effective

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice) - Chlorpyriphos Monocrotophos need based insecticides	-	28.20	t/ha	125409.40	3.00
Technology option 2 - Dimethoate @ 1.7 ml/l	UAS (B)	29.60	t/ha	141943.20	3.56
Technology option 3 - Lambda cyhalothrin @ 1ml/l	IISR (Calicut, Kerala)	30.60	t/ha	143810.20	3.67

4.C8. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1 Title of Technology Assessed : Assessment of Lambda cyhalothrin for control of shoot borer in Ginger

2 Problem Definition: severe menace of shoot borer cause considerable shoot damage of growing and part resulting in reduction in yield
3 Details of technologies selected for assessment: Application of Lambda cyhalothrin
4 Source of technology: IISR (Calicut, Kerala)
5 Production system and thematic area: Rainfed with sprinkler irrigation IPM
6 Performance of the Technology with performance indicators: effective in suppressing the pest
7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : instant results observed and convinced the farmers, % shoot damage, yield t/ha, net return Rs/ha, and B:C ratio
8 Final recommendation for micro level situation: application of Lambda cyhalothrin @ 1 ml/l found vary effective
9 Constraints identified and feedback for research: Repeated Application of Lambda cyhalothrin may result in development resistance by shoot borer hence sequential application of systemic insecticide followed by contact insecticide need to be studied
10 Process of farmers participation and their reaction: application of Lambda cyhalothrin should be sequenced

4.D1. Results of Technologies Refined

Results of On Farm Trial :

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology refined	Parameters of refined t	Data on the parameter	Results of refinement	Feedback from the farmer	Details of refinement done
1	2	3	4	5	6	7	8	9	10	11

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Technology Refined	Source of Technology for Technology Option1 / Justification for modification of assessed Technology Option 1	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology Option 1 (Option in assessment)					
Technology Option 2 (Modification over Technology Option 1)					
Technology Option 3 (Another Modification over Technology Option 1)					

4.D.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the proforma below

1 Title of Technology refined:
2 Problem Definition
3 Details of technologies:
4 Source of technology:
5 Production system and thematic area:
6 Performance of the Technology with performance indicators:

7 Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring Techniques:
8 Final recommendation for micro level situation:
9 Constraints identified and feedback for research:
10 Process of farmers participation and their reaction:

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2011-12

Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
								Proposed	Actual	SC/ST	Others	Total	
Cereals	Rainfed	Kharif 2011	Paddy	KCP-1	-	HYV	Integrated crop management in paddy var. KCP-1	5	5	2	12	14	-
	Irrigated	Summer 2011	Paddy	KMP-105	-	Crop production	Introduction of short duration KMP-105 for summer	5	5	2	8	10	-
	Irrigated	Rabi 2011	Wheat	DWR- 162	-	Crop production	Integrated crop management in wheat var. DWR-162	2	2	7	3	10	-
		Summer	Paddy	-	-	Safe storage of food grain	Use of Metal Bins for paddy seed storage	2	2	2	5	7	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets	Rainfed	Kharif 2011	Ragi	GPU- 66	-	HYV	Introduction of high yielding variety of ragi GPU-66	20	20	12	15	27	
Vegetables	Rainfed, protective irrigation	Kharif 2011	Potato	Kufri Jyothi	-	IPM	Fenazaquin and Wettable sulphur sequential spray	2	2	-	10	10	-
Vegetables	Irrigated	Summer	Chilli	-	Arka meghana	ICM	Introduction of IIHR chilli variety to the Hassan region	2	2	0	5	5	
Flowers	Irrigated	Summer	China	Kamini	-	Encouraging	Popularization of	0.5	0.5	0	5	5	

Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
								Proposed	Actual	SC/ST	Others	Total	
			Aster			floriculture through introduction of china aster	china aster var. Kamini						
Ornamental													
Fruit	Rainfed, Protective irrigation	Kharif 2011	Banana	Dwarf cavindish	-	INM	Enhancement of bunch size of banana through post soup feeding of nutrients	3.6	3.6	-	-	9	
Fruit	Rainfed, Protective irrigation	Kharif 2011	Banana	Dwarf cavindish	-	INM	Spraying of micronutrient mixture	2.0	2.0	-	-	5	
Spices and condiments	Summer	Summer	Pepper	-	-	Post harvest processing and valve addition	Value Addition through Pepper Drying using LDPE polythen sheets	2	2	4	8	12	-
Commercial													-
Medicinal and aromatic													-
Fodder	Irrigated	Kharif 2011	Fodder	CO-4	-	Fodder enhance ment	High yielding fodder variety Co-4	5	5			23	-
Plantation													
Fibre													
Dairy	-	2011	-	Cross bred cows	-	Improving fertility	Supplementation of vit E & minerals	50 animals	50 animals	-	5	5	-
Dairy	-	2011	-	Cross bred cows	-	Maize Dry fodder utilization	Enriching maize dry fodder with mineral mixture, urea and salt	10 animals	10 animals	5	-	5	-
Poultry	-	2012	Backyard Poultry	Broad breasted bronze and white	-	Turkey in backyard	Turkey birds in backyard	100 birds	100 birds	-	10	10	-
Rabbitry													
Pigerry	-	2011	Piggery	Yorkshire cross	-	Scientific management	Iron supplementation & castration in	100 animals	100 animals	-	05	05	-

Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
								Proposed	Actual	SC/ST	Others	Total	
							piglets Deworming & mineral mixture supplementation in adults						
Sheep and goat													-
Duckery													-
Common carps and Catla	Rainfed	Kharif	Fishery	Catla spawn	-	Seed rearing Survivability	Fry to Fingerling seed Production of Catla	4	4	1	3	4	-
Mussels													-
Ornamental fishes													
Oyster mushroom													
Button mushroom													
Vermicompost													
Sericulture													
Apiculture													
Implements			Paddy	-	-	Mechanization	Mechanical paddy transplanting	5	5	-	-	10	
Others (snail management)	Rainfed	Kharif	Nursery/ Agril. & horti. Crops	-	-	IPM	Poison bait against giant African snail *Achatina fulica*	4	4	-	10	10	-
Others (pulse storage)	Rainfed	Late winter 2011	Redgram	Stored grain pest	-	IPM	UAS pulse storage technology	20 units	20 units	3	17	20	-

5.A. 1. Soil fertility status of FLDs plots during 2011-12

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		-	-	-	-	-	-	-	-	-	-	-	-
	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Pulses												
		-	-	-	-	-	-	-	-	-	-	-	-
	Cereals	Rainfed	Kharif	Paddy	KCP-1		HYV	Integrated crop management in paddy var. KCP-1	Kharif	Low	Medium	Medium	Paddy
		Irrigated	Summer	Paddy	KMP-105		Crop production	Introduction of short duration KMP-105 for summer	Summer	Medium	Medium	Medium	Paddy
		Irrigated	Rabi	Wheat	DWR-162		Crop production	Integrated crop management in wheat var. DWR-162	Rabi	Medium	Medium	Medium	Rabi
	Millets	Rainfed	Kharif	Ragi	GPU-66		HYV	Introduction of high yielding variety of ragi GPU-66	Kharif	Low	Medium	Medium	Ragi
		-	-	-	-	-	-	-	-	-	-	-	-
	Vegetables												
	Flowers												
		-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Banana									-	-	-	-
	Banana									-	-	-	-
	Spices and condiments									-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
		-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Irrigated	*Kharif*	Fodder	CO-4	-	Fodder enhance ment	High yielding fodder variety Co-4	*Kharif*	Medium	Medium	Medium	cowpea
	Plantation												
	Fibre												

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)/ grains infested for the 6 months duration (1000 grains / sample)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds																			
Pulses																			
Cereals-Paddy	Integrated crop management in paddy var. KCP-1	KCP-1	-	Rainfed	14	5	60.12	52.85	56.48	46.62	21.15	29500	53656	24156	0.81	27000	44289	17289	0.64
Cereals-Paddy	Introduction of short duration KMP-105 for summer	KMP-105	-	Irrigated	10	5	54.16	42.57	48.63	38.46	26.44	29500	46199	16699	0.56	26500	36537	10037	0.37
Cereals-Wheat	Integrated crop management in wheat var. DWR-162	DWR-162	-	Rainfed	10	2	65.19	55.23	60.21	52.87	13.88	42678	121500	78822	1.85	40892	79305	38413	0.94
paddy	Use of Metal Bins for paddy seed storage	-	-	Summer	7	7	89	76	84	55	52.72	590	1250	660	2.11	450	625	175	1.38
							% Germination of stored grains												

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)/ grains infested for the 6 months duration (1000 grains / sample)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Millets – ragi	Introduction of high yielding variety of ragi GPU-66	GPU-66	-	Rainfed	27	20	25.56	16.49	21.03	15.18	42.02	14650	26288	11638	0.79	9800	14421	4621	0.47
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables - potato	Management of yellow mite *Polyphagotarsonemus latus* in potato	Kufri jyothi	-	Rainfed and protective irrigation	10	2	121	102	109.8	97	13.20	20740	87840	67100	4.53	15050	77600	62550	4.35
chilli	Introduction of IIHR chilli variety to the Hassan region	-	Arka megh ana	Irrigated	5	2	In progress (The crop is in flowering stage, vegetative parameters like plant height branching habit and number of flowers/ bunch are recorded. Yield parameters are yet to be assessed)												
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flowers – china aster	Popularization of china aster var. Kamini	Kamini	-	Irrigated	5	0.5	13.0	10.5	11.5	9	27.8	69000	230000	161000	3.33	62000	135000	73000	2.17
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit – banana	Micronutrient Management through Banana Special	Dwarf Cavendish		Banana based FS	09	3.6	30.0	26.0	28.2	26.7	5.61	52300	1,69,200	1,16,900	3.23	51400	160200	1,08800	3.11
Banana	Enhancement of Banana bunch size through post shoot feeding of nutrients	Dwarf Cavendish		Banana based FS	05	2.0	33.5	31.0	32.1	28.0	14.64	51800	192000	140200	3.7	49500	168000	118500	3.39
Spices Pepper	Pepper Drying and value addition	-	-	Summer	5 units	5 units	37kg/100kg	35Kg/100kg	36.5/100kg	33kg/100kg	10.6	2500	12,775	10275	5.11	2000	8250	6250	4.12
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder – Co-4	High yielding fodder variety Co-4	CO-4	Hybrid	Rainfed	23	5	184.26	151.89	168.08	152.87	9.94	28900	1682080	139180	4.82	26900	122296	95396	3.54
Plantation																			
Fibre																			

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)/ grains infested for the 6 months duration (1000 grains / sample)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Others (mulberry garden)	Management of Giant African snail Achatina fulica on garden and nursery plants	-	-	Rainfed and protective irrigation	10	4	619	188	269.20	0	100	15500	37500	22000	2.42	15500	33750	18250	2.17
Others (storage)	UAS pulse storage technology	BRG-1	-	Rainfed	20	20	0	0	0	93.50	100	400	2250	1850	5.63	850	2049.90	1999.90	2.41

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H – Highest Yield, L – Lowest Yield A – Average Yield

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
-	-	-

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy	Supplementation of vit E & minerals	Cross bred	05	50	09	06	7.8	6.6	18.18	2643	11200	8557	3.23	2475	8400	5925	2.39
					Number of animals conceived within 90 days after calving												
Dairy	Maize dry fodder enrichment	Cross bred	5	10	35	15	21.6	41.6	48.07	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	Turkey birds in backyard	BBB BBW	10	100	In progress												
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	Iron supplementation & castration in pigletsm, Deworming & mineral mixture supplementation in adults	Yorkshire	5	100	90	68	80.4	60.6	32.67	4515	6030	1515	0.33	4375	4545	170	0.038
					Body weight (Kgs)												
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

** BCR= GROSS RETURN/GROSS COST

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Common carps	Fry to Fingerling seed Production of Catla	Catla	4	4	50	40	46	25	84	5000	23000	18000	4.6	5000	12500	7500	2.5
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m^2}	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check			Gross cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy transplanter	-	Mechanical paddy transplanting	10	5	55.87	46.62	19.84	5000/ha	24156	53077	28921	1.19	29500	44289	14789	0.50

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

** BCR= GROSS RETURN/GROSS COST

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5. B.6.8 Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	5	671	
2	Farmers Training	20	695	
3	Media coverage	10	-	
4	Training for extension functionaries	-	-	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Cereals																	
Bajra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paddy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Blackgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	
Vegetable crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (Chilli)	Introduction of IIHR variety to the Hassan region	Arka meghana	5	0.75	In progress					-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	
Commercial crops																	
Sugarcane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total																	

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VII. TRAINING

7.A. Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	2	62	1	63	13	3	16	75	4	79
Crop Diversification										
Integrated Farming	1	38	0	38	9	0	9	47	0	47
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	4	127	0	127	1	0	1	128	0	128
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	56	10	66	3	1	4	59	11	70
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	2	8	79	87	0	4	4	4	87	91
Processing and value addition										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs	1	7	1	8	0	0	0	7	1	8
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Livestock Production and Management										
Dairy Management	32	11	1294	1305	0	60	60	11	1354	1365
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	1	0	3	3	0	1	1	0	4	4
Production of quality animal products										
Others (pl.specify) sheep and goat management	2	51	18	69	0	0	0	51	18	69
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment	1	18	9	27	0	3	3	18	12	30
Location specific drudgery production										
Rural Crafts										
Women and child care										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	3	59	14	73	1	2	3	60	16	76
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming	1	11	6	17	8	0	8	19	6	25
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	24	13	572	585	3	404	407	16	976	992
Others (pl.specify) Marketing										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**76**	**461**	**2007**	**2468**	**38**	**478**	**516**	**499**	**2485**	**2984**

7.B.. Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	5	116	127	243	31	7	38	147	134	281
Micro Irrigation/Irrigation										
Seed production										
Nursery management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Crop Management	1	15	10	25	0	0	0	15	10	25
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	16	2	18	2	2	4	18	4	22
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify) Floriculture cultivation and practices	1	8	12	20	1	6	7	9	18	27
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify) precision farming	1	0	19	19	0	10	10	0	29	29
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	3	35	28	63	30	40	70	65	68	133
Integrated water management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated nutrient management	5	155	14	169	8	20	28	163	34	197
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	2	42	21	63	20	12	32	62	33	95
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	5	117	38	155	14	5	19	131	43	174
Poultry Management	5	171	44	215	15	10	25	186	54	240
Piggery Management	2	63	23	86	3	0	3	66	23	89
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	2	0	10	10	58	20	78	58	30	88
Production of quality animal products										
Others (pl.specify) Integrated livestock farming	1	17	15	32	4	4	8	21	19	40
Others (pl.specify) stall feeding of sheep and goats	1	24	0	24	0	0	0	24	0	24
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	7	0	186	186	0	64	64	0	250	250
Women empowerment	1	0	16	16	0	7	7	0	23	23
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	6	187	23	210	1	0	1	188	23	211
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**49**	**966**	**588**	**1554**	**187**	**207**	**394**	**1153**	**795**	**1948**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	2	54	4	58	13	5	18	67	9	76
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	1	23	0	23	1	0	1	24	0	24
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	1	11	33	44	0	0	0	11	33	44
Sheep and goat rearing	2	51	18	69	0	0	0	51	18	69
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture	1	11	6	17	8	0	8	19	6	25

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Importance of water management in dry land	1	30	0	30	0	0	0	30	0	30
TOTAL	8	180	61	241	22	5	27	202	66	268

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	42	7	49	0	0	0	42	7	49
Sheep and goat rearing	1	24	0	24	0	0	0	24	0	24
Quail farming										
Piggery	2	63	23	86	3	0	3	66	23	89
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) soil samplings and soil testing importance	2	42	21	63	20	12	32	62	33	95
TOTAL	**7**	**171**	**51**	**222**	**23**	**12**	**35**	**194**	**63**	**257**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	48	0	48	21	0	21	69	0	69
Integrated Pest Management	1	37	0	37	0	0	0	37	0	37
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	1	21	12	33	0	0	0	21	12	33
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**4**	**106**	**12**	**118**	**21**	**0**	**21**	**127**	**12**	**139**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	1	10	3	13	0	0	0	10	3	13
Integrated Nutrient management	1	10	02	12	02	02	04	12	04	16
Rejuvenation of old orchards										
Protected cultivation technology	1	18	3	21	0	0	0	18	3	21
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**3**	**38**	**8**	**46**	**2**	**2**	**4**	**40**	**10**	**50**

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1.a.	Increasing production and productivity of crops	**6**	138	80	218	22	7	29	160	**87**	247
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify) Dairy animal management	32	11	1294	1305	0	60	60	11	1354	1365
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify) Entrepreneurship Development Program	24	13	572	585	3	404	407	16	976	992
	Total	**62**	**162**	**1946**	**2108**	**25**	**471**	**496**	**187**	**2417**	**2604**

Details of sponsoring agencies involved

1. Zilla Panchayat, Hassan
2. Coffee Board

3. CADA, Mysore
4. KMF, Hassan
5. Dept. of Agriculture, Hassan
6. RKVY

7.H. Details of vocational training programmes carried out by KVKs for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
4.k.	Others (pl.specify) Apiculture	1	23	0	23	1	0	1	24	0	24
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	7	200	5	205	41	8	49	241	13	254
5.b.	Others (pl.specify)										
	Grand Total	**8**	**223**	**5**	**228**	**42**	**8**	**50**	**265**	**13**	**278**

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including activities of FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Days	12	694	377	1071						
Kisan Mela	0	0	0	0						
Kisan Ghosthi	0	0	0	0						
Exhibition	6			450000						
Film Show	59	418	2105	2523						
Method Demonstrations	8	121	90	211						
Farmers Seminar	0	0	0	0						
Workshop	6	0	0	0						
Group meetings	26	1033	0	1033						
Lectures delivered as resource persons	176	4413	3718	8131						
Newspaper coverage	84	0	0	0						
Radio talks	4	0	0	0						
TV talks	2	0	0	0						
Popular articles	61	0	0	0						
Extension Literature	76	499	947	1446						
Advisory Services	1226	1226	0	1226						
Scientific visit to farmers field	28	429	121	550						
Farmers visit to KVK	361	292	69	361						
Diagnostic visits	64	706	0	706						
Exposure visits	34	285	1096	1381						
Ex-trainees Sammelan	0	0	0	0						
Soil health Camp	0	0	0	0						

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Animal Health Camp	17	600	140	740	192	49	241	34	08	42
Agri mobile clinic	0	0	0	0						
Soil test campaigns	0	0	0	0						
Farm Science Club Conveners meet	0	0	0	0						
Self Help Group Conveners meetings	0	0	0	0						
Mahila Mandals Conveners meetings	0	0	0	0						
Celebration of important days (specify) World Food Day, Kissan day, Parthenium Awarenes Week, Women in Agril. Day, Technology week	7	233	309	542						
Any Other (Specify)	0	0	0	0						
Total	2257	10949	8972	19921	192	49	241	34	8	42

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy	Tanu	-	43q	58050	175
	Ragi	GPU-48	-	45 q	9900	900
	Ragi	GPU-66	-	15 q	33000	300
Oilseeds	Sesamum	GT-1	-	50 kg	5000	20
Pulses	Redgram	BRG-1	-	6q	45000	-
Commercial crops	Sugarcane	CO 62175		150 t	292500	-
Vegetables						
Flower crops						
Spices						
Fodder crop seeds	Grass slips	CO 3		55000	12500	
	Grass slips	CO 4		133500	75000	150
Fiber crops						
Forest Species						
Others (specify)						
Total					**530950**	**1545**

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial						
Vegetable seedlings	Drumstick	PKM-1		2398	23980	
	Curry leaves	Local		159	1590	181
Fruits	Mango	Mix		2130	85200	
	Sapota	Cricket ball		1703	68120	
	Lemon	Local		5063	75945	
	Papaya	Red lady		1051	12612	
	Amla			4232	76176	
Ornamental plants						

Medicinal and Aromatic	Chakramuni	Local		32	320	
	Insulin	Local		17	170	
Plantation	Arecanut	Thirthahalli local		411	4110	
Spices						
Tuber						
Fodder crop saplings						
Forest Species	Silver Oak	Local		5137	15411	
Others(specify)						
Total				**22333**	**363634**	**181**

9.C. Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**Number of farmers to whom provided**
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
Total				

9.D. Production of livestock materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**Number of farmers to whom provided**
Dairy animals				
Cows	Cross breeds	8352 ltrs of milk	183744	
Buffaloes				
Calves	Cross breeds	01	600	01
Others (Pl. specify)				
Poultry				
Broilers				

Layers				
Duals (broiler and layer)	Giriraja	4053	246555	3400
Japanese Quail				
Sheep				
Emu				
Ducks				
Others (Pl. specify) Rabbits				
Piggery				
Piglet	Yorkshire cross	49	81200	16
Others (Pl.specify)sheep	UAS Breed	9	9900	09
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total			**521999**	**3426**

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

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

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

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers			
1	Technology Transfer and Technology Backstopping of Ragi through Frontline Demonstrations	Nagaraj, K.H, Lalitha, B.S, Shashidhar, K.C. and Basavaraju, B.S.	**1**
2	Analytical study of Outcome and Impact of Frontline Demonstration on Red gram in the District of Hassan	Lalitha, B.S, Nagaraj, K.H, Shashidhar, K.C. and Nataraju, O.R.	**1**
Technical reports			
News letters			
Technical bulletins			
Popular articles			
1	Tengina thotadalli neerina samarpaka nirvahane	B.S. Lalitha, K.H. Nagaraj	1
2	Battake benkiroga nirvahanege salahe	B.S. Basavaraju, B.S.Lalitha and O.R. Nataraju	1
3	Bhattadalli rasa heeruva keetagala nirvahane	B.S. Basavaraju, B.S.Lalitha and K.H. Nagaraj	1
4	Alugedde: Bithuvaga gamanisabekada hamshagalu	B.S. Basavaraju, K.J. Hemalatha, M.Shivashankar and O.R. Nataraju	1
5	Tengina natige sukta kala, besaya tantrikategalu	K.J. Hemalatha, B.S. Basavaraju, B.S. Lalitha and K.H. Nagaraju	1
6	Arisina beejopachara naati vidana	K.J. Hemalatha, B.S. Basavaraju, A.C. Girish and O.R. Nataraju	1
7	Mannu parikshe Yake	A.C. Girish and M.S. Nagaraj	1
8	jIllgu banda papaya hittu thigane bhade	B.S. Basavaraju, K.S. Jagadish and A.C. Girish	1
9	alugeddeyalli nushi bhade niyanthrana	B.S. Basavaraju and B.S. Lalitha	1
10	Kempumuti hulu niyantrenege bucket bale	B.S. Basavaraju, O.R. Nataraju and K.H. Nagaraj	1
11	Balega panama maraka soragu rooga	B.S. Basavaraju, M.Shivashankar and A.C. Girish	1

Item	Title	Authors name	Number
12	kosige hasiru hulu bhade: nirvahane	B.S. Basavaraju, B.S. Lalitha and K.H. Nagaraj	1
13	Sasyaga belavanigeyalli lagu poshakamshaga mahatva	A.C. Girish, M.S. Nagaraj and K.J. Hemalatha	1
14	Huli mannu: Yava manniga yeshu sunna?	A.C. Girish, M.S. Nagaraj and B.S. Basavaraju	1
15	erehulu sakanike gobbarada upayogagalu	A.C. Girish, M.Shivashankar and U.N. Rachana	1
16	Bhattada gadeyalli poshakamshagala nirvahane hege?	B.S. lalitha, Rachana U.N, K.H. Nagaraj and B.S. Basavaraju	1
17	sooyaa avare bahu hupayoogi bele	B.S. Lalitha, rachana U.N and K.H. Nagaraj	1
18	Labadayaka bela sevantige	K.J. Hemalatha, A.C. Girish and Rachana U.B	1
19	tengannu kaaduva roogagalu	B.S.Basavaraju, K.B.Paalanna, O.R.Nataraju and M.Shivashankar	1
20	kadaleyalli adika iluvarige sudaaretha beesaya kramagalu	B.S.Lalitha, Rachana	1
21	Kaakada uvina sudharita beesaya kramagalu	B.S.Lalitha, Rachana U.N, K.H. Nagaraj	1
22	Aprikaada dhytya huluvina nirvahane	B.S.Basavaraju,A.C.Girish, B.S.Lalitha	1
23	Nuggeyalli sudaritha besaya kramagalu	B.S.Lalitha, U.N.Rachana, K.H.Nagaraj, B.S.Basavaraju	1
24	Thogari beleyannu kitadinda paru maduva vidanagalu	B.S.Basavaraju, B.S. Lalitha and K.H. Nagaraju	1
25	Nirina samrakshane estu avashya	K.C. Shashidar, K.H. Nagaraj, B.S. Lalitha and B.S. Basavaraju	1
26	09 Abstracts	O.R.Nataraju	1
27	Jenu nonagala phrabedagala parichaya	B.S. Basavaraju, Dr. Ravigowda, N.S Butt	1
28	tenginalli suli kole rooga bhade, niyantranake salahe	B.S.Basavaraju	1
29	Baale beleyalli Boron Poshakamshada mahatva mattu adara nirvahane	Channakeshava S, B.S. Basavaraju and M. Shivashankar	1
30	Gunamattada ilurarige poshakamshada nirvahane agatya	Channakeshava S, B.S. Basavaraju, Dr. A.C. Girish and M. Shivashankar	1
31	Tengina iluvarige poshakamshagala nirvahane	Channakeshava S, B.S. Basavaraju, Dr.K.H. Nagaraj and M. Shivashankar	1
32	aadunika ere gobbara tayarika vidhanagalu	B.S.Lalitha, B.S.Basavaraju and Rachana U.N	1
33	aadunika ere gobbara tayarika vidhanagalu	B.S.Lalitha, B.S.Basavaraju and Rachana U.N	1
34	chovdari charanasingh nenapinalli kissan dinacharane	B.S.Basavaraju, Gavigowda and N.S. Butt	1
35	Jeenu kutumba mattu adara rachane	B.S.Basavaraju, Gavigowda and N.S. Butt	1
36	Pashusangopaneyalli tyaja vasthugala nirvahane	O.R.Nataraju, B.S.Basavaraju and S.Channakeshava	1
37	Chendu huvina sudaritha besaya kramagalu	U.N.Rachana, B.S. lalitha, B.S.Basavaraju and K.H. Nagaraj	1
38	Pashusangopaneyalli tyaja vasthugala nirvahane	O.R.Nataraju, B.S.Basavaraju and S.Channakeshava	1
39	Kissan dinacharane	B.S.Basavaraju, Gavigowda and N.S. Butt	1
40	Bende	B.J. hanumantharaya, Rachana U.N and B.S Lalitha	1
41	Movlavarditha minina thinisugalu	M. Shivashankar, B.S Basavaraju, A.C. Girish and O.R. Nataraju	1
42	halasande sudaritha besaaya krama	B.S. Lalitha, Rachana U.N and B.G. Hanumanatharaya	1
43	Krishiyalli enne Hindigala pramukayte	B.S. Lalitha, B.S. Basavarju and Rachana U.N	1
44	erejala adika iluvari padeyuva vandu vidhana	A.C. Girish, Rachana U.N and M.Shivashankar	1
45	Hittalalli koli sakane	O.R. Nataraju, B.S. Basavaraju and M shivashankar	1

Item	Title	Authors name	Number
46	Dodda menasinakayiya samagra besaya paddathigalu	U.N.Rachana, B.S. lalitha, B.S.Basavaraju	1
47	Kuri mattu mekegalige suktavada hasiru hullina belegalu	B.S. Lalitha, B.S. Basavarju and K.H. Nagaraj	1
48	Adhika iluvari koduva hibrid nepiar baajra hullu	B.S. Lalitha, U.N. Rachana and B.S. Basavaraju	1
49	Bhahu catavina mevina joola COFS - 29	B.S.Lalitha, H.C.Lohithasva and B.S. Basavaraju	1
50	Mamsada kooli roogagalu mattu avugala niyantrana	O.R. Nataraju, B.S. Basavaraju and M shivashankar	1
51	Mamsada kooli roogagalu mattu avugala niyantrana	O.R. Nataraju, B.S. Basavaraju and M shivashankar	1
52	Krishiyalli lagu phoshakamshagala mahatva	A.C.Girish, S.Channakeshava and T.S. Ganesh prasad	1
53	Mannina Arogya nirvahanege savayava krishi agathyate	S.Channakeshava, A.C. Girish, B.S. Basavaraju and M.Shivashankar	1
54	Balega utpadane samagra poshakamshagala nirvahaneya agatya	S.Channakeshava, A.C. Girish, O.R. Nataraju and B.S.Basavaraju	1
55	Krishiyalli sasya poshakmshagala pramukyate mattu korategala lakshanagalu	B.S. Lalitha, B.S. Basavaraju and K.H. Nagaraju	1
56	yellu beleya mahatva adra besaya kramagalu	A.C. Girish, S. Channakeshava, T.S Ganesh Prasad	1
		Sub total	61
Extension literature			
Others			
	Booklets		
1	Krishi paddatigalu (Bhuchetana)	O.R. Nataraju, B.S. Basavaraju and M. Shivashankar	1
2	Hainu rasu palane mathu mevina belegalu	K.H.Nagaraj,O.R.Nataraju,B.S.Lalitha,sowjany and A.C.Girish	1
3	Labadayaka Krushi upakasubugalu	O.R. Nataraju, B.S. Basavaraju, A.C. Girish, B.S. Lalitha and T. Sovjanya	1
4	Mamsada koli sakane	O. R.Nataraju, B.S.Basavaraju, K.H.Nagraj, A.C.Girish & M.Shivashankar	1
5	Mishra thali hasugalu mathu nirvahane	O.R.Nataraju, B.S.Basavaraju, A.C.Girish, S. Channakeshava and A.R. Soujanya	1
6	Hynu rasu rogagalu mathu nirvahane	O.R.Nataraju, B.S.Basavaraju, A.C.Girish, M. Shivashankar and B.G.Hanumantharaya	1
7	Pramuka thotagarika belegala keeta nirvahane	B.S.Basavaraju, O. R.Nataraju, B.S.Lalitha K.H.Nagraj & A.C.Girish	1
		Sub total	7
	Leaf lets/ Phomplets		
8	Dairy farming piggery farming	Dr. O.R. Nataraju, B.S. Basavaraju , T. Sovjanya	1
9	Uttama labakkagi Hinugarike	Dr. O.R. Nataraju, B.S. Basavaraju , T. Sovjanya, A.C. Girish	1
10	Adunika handi sakane	Dr. O.R. Nataraju, B.S. Basavaraju , T. Sovjanya, A.C. Girish	1
11	Movlarditha minina thinisugalu	M.Shivashankar, B.S.Basavaraju, O. R.Nataraju, S.Channakeshava & A.C.Girish	1
12	Bhattadalli yanthrikarana vondu nota	B.S. Lalitha BS Basavaraju,KH Nagaraj and Rachana	1
		Sub total	5

Item	Title	Authors name	Number
Training manuals			
13	Bhuchetana yojaneyadi ritha anuvugaararige samagra krishi paddathigala bagge tarabethi khipidi	B.S.Shivaraj,A.C.Girish,M. shivashakar ,KJ Hemalatha ,OR Nataraju,BS Basavaraju,KH Nagaraj,BS Lalitha ,H.Kempegowda	1
14	Bee keeping	B.S.Basavaraju, Gavigowda, B.S.Lalitha, O.R.Nataraju, A.C.Girish	1
15	Hainu rasu nirvahane	O.R. Nataraju, B.S. Basavaraju, A.C. Girish, B.S. Lalitha and M. Shivashankar	1
16	Scaling up of water productivity	M.Shivashankar, S. Channakeshava, A.C. Girish B.S. Basavaraju, O.R. Nataraju	1
		Sub total	4
Laboratory Manuals			
17	Soil fertility and nutrient management	Dr.S.Channakeshava, GG.Kadahalli	1
		Sub total	1
TOTAL			**80**

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette) ol.0	Title of the programme	Number
1	Website	www.kvkhassan.com	-

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

The Broad outline for the case study may be

Title Success story of Smt. Leelavathi - A Entrepreneur

Background Smt. Leelavathi a small farmer from Ningegowdana koppalu village of Hassan Taluk underwent training in cultivation of Mushroom at KVK, Hassan and started producing Mushroom.

Interventions KVK, Hassan played a major role in empowering Smt. Leelavathi supporting & providing backup

Process Technology at every stage to start the enterprise. KVK supplied spawn for cultivating Mushroom

Impact

Horizontal Spread
Economic gains
Employment Generation

Smt. Leelavathi is the only entrepreneur producing mushroom in Hassan. Owing to small demand in the district there was no horizontal spread of technology. However, it has generated sufficient income to the entrepreneur for whom it is now the major activity and is earning on an average of Rs. 500 per day. More over there is availability of Mushroom everyday in Hassan district.
Smt. Leelavathi has given boost to further research and has re innovated some of the methods in controlling humidity & temperature in the mushroom house.

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

1. Training to farmers on internet usage
2. Use of Information Kiosks
3. Video-conferencing by experts with farmers
4. Short Message Service through mobile phones to farmers

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Arecanut	Use of red ants	To control squirrel damage
2	Coconut	Application of common salt (2 Kg / plant)	Gives good yield
3	Potato	Sowing of Beans along with Potato in the same row	Weed Control
4	Coconut	Use of castor cake solution	Traps insects particularly rhinocerous beetle
5	Storage of grains	Placing neem leaves in cloth bags in pulse bag	To repel pulse beetle
6	Coconut	Mixing castor cake in cow dung slurry kept in mud pot to attract rhinoceros beetle	To manage Rhinoceros beetle
7	Redgram	Broadcasting boiled rice in fields to attract birds	To control pod borers
8	Poultry	Inserting feathers in the nostrils	To avoid broodiness
9	Livestock	Applying neem oil on the wounds	To avoid flies and there by preventing maggot formation
10	Cattle	Putting rope in the mouth	To remove thorns in the tongue
11	Ragi	grazing by cattle before panicle initiation stage	Uniform panicle emergence
12	Sunflower	spraying of jaggary solution	Increases pollination
13	Storage of grains	Placing clove in cloth bags inside the rice bin	To repel rice weevil

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

- Identification of courses for farmers/farm women : Participatory methods during Situation Analysis
- Rural Youth : Participatory methods during Situation Analysis
- In-service personnel : Discussion with the Concerned Department Heads and Gross-root level workers

10.G. Field activities

i. Number of villages adopted : 12
ii. No. of farm families selected : 1764
iii. No. of survey/PRA conducted : 12

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Operational

1. Year of establishment : 2005
2. List of equipments purchased with amount :

	Soil Testing Laboratory				
Sl. No.	**Nature Of The Equipment**	**Year of Purchase**	**Cost**	**Present Status**	**Source of funding**
1	Ph Meter	2005	8,550.00	Good condition	ICAR
2	Conductivity Bridge	2005	7,400.00	Good condition	ICAR
3	Physical Balance	2005	12,000.00	Good condition	ICAR
4	Top Loading Balance	2005	48,900.00	Good condition	ICAR
5	Kjeldahl Digestion & Distillation Unit	2005	1,67,709.00	Good condition (Distillation unit to be serviced)	ICAR
6	Flame Photometer	2005	35,200.00	Good condition	ICAR
7	Spectrophotometer	2005	42,000.00	Good condition	ICAR
8	Rotary Shaker	2005	27,600.00	Good condition	ICAR
9	Glass Distillation Unit	2005	48,850.00	Good condition	ICAR
10	Refrigerator	2005	15,850.00	Good condition	ICAR
11	Hot Air Oven	2005	20,000.00	Good condition	ICAR
12	Hot Plate	2005	5,500.00	Good condition	ICAR
13	Water Bath	2005	9,990.00	Good condition	ICAR
	Laboratory Wares				
14	Wooden Almirah	2005	11,995.00	Good condition	ICAR
15	Steel Almirah	2005	7,750.00	Good condition	ICAR
16	Exhaust Fan	2005	1,200.00	Not Working	ICAR

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	4841	3979	1117	1570230
Water Samples	110	94	77	6560
Plant samples	10	1	1	1200
Manure samples	0	0	0	0
Others – Copper Sulphate	37	13	14	2900
Lime	177	16	14	19900
Total	**5175**	**4103**	**1223**	**1600790**

Details of samples analyzed during the 2011-12 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	1501	1207	804	45040
Water Samples	25	20	17	1500
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others Copper Sulphate	-	-	-	-
Lime	-	-	-	-
Total	**1526**	**1227**	**821**	**46540**

10.I. Technology Week celebration

Period of observing Technology Week : -
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			
Total number of farmers visited the technology week			

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Karnataka	**Milch animals**	**2**	**120**
Total			

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Karnataka	**17**	**3903**	**981**
Total			

E. Seed distribution in drought hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-	-
Total				

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and list of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-	-
Total			

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-
Total												

PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
-	-	-	-	-

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

11.B. Cases of large scale adoption -Nil-
(Please furnish detailed information for each case)

Title:: A case of Piggery Entrepreneur in the district of Hassan

Background: KVK Hassan has conducted various demonstrations and training programs in the field of Animal Husbandry in general and in particular the Piggery farming since its inception. In this milieu, an attempt is made herewith to study the selected case of Piggery entrepreneur with the following intentions 1. To establish in far greater details exactly how the entrepreneur manages piggery either traditionally of scientifically that would serve as a guide for other farmers 2. To take note of any associated benefits, problems & constraints, cost implications and to suggest for future developments and 3. To study the impact of KVK activities on the spread of Piggery units. The methodology followed is the case study approach, where in frequent visits were made to study in detail the entrepreneur's practices and the impact through participatory discussions, observations and transect walks. Shri. Nagendra the entrepreneur from Dasarakoppalu was selected for the study.

The entrepreneur has started his piggery unit during 2002. The Cost : Benefit ratio in case of Shri. Nagendra is astounding which works out to 1 : 7.35. However, he has not availed loan from any source and has utilized his own funds generated out of the income obtained from Agriculture and the income earned while working with Pooja Poultry feeds. During 2002 as an external input he has invested Rs.60,000/- for construction of shed. To begin with he has bought eight Yorkshire piglets @ Rs.600/- per piglet the source being KVK, Hassan. The total initial investment thus works out to Rs.64,800/-. Interestingly he is feeding only kitchen (hotel) waste and does not incur any charges for the same except the fuel for his own Auto. As quoted by the farmer, he incurs only Rs.30/- per day towards fuel to bring the hotel kitchen waste, which is the only source of nutrients supplemented by mineral mixture.

11.B. Cases of large scale adoption

Impact : The eternal impact that is obvious as let slip by the entrepreneur are many and have changed the business structure and got him promoted in the farm job, helped in preparing for a total change of life and career and has become more involved in a number of activities in the community. So far the entrepreneur has sold over 2250 piglets to farmers of Hassan as well as

neighboring Districts since he started the enterprise. He is the inspiration behind many farmers for starting the units who have purchased piglets from the entrepreneur and by now at least more than 100 Piggery units have been started. Thus the tangible impact can be seen in the district.

11.C. Details of impact analysis of KVK activities carried out during the reporting period

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Coffee Board	Capacity Building for Small women coffee growers
Zilla Panchayat	Capacity Building for Entrepreneurship Development, Meetings Hostel Building for Ladies
Department of Agriculture	Collaboration for diagnostic visits, ATMA implementation, Conducting FLDs, Bi-monthly workshops, Meetings and Kharif Campaigns, Guest Lectures
Department of Animal Husbandry and Veterinary Services	Animal Health Camps, field visits
Veterinary College	Technical seminars, organizing extension functionaries training program
Information & Broadcasting	News coverage in News papers
Department of Sericulture	Input supply-Vermicompost, HRD on soil sampling and fertility management
Department of Horticulture	Diagnostic visits, Human Resource Development, Technical Sessions, , Field Visits, National Horticulture Mission programs and Meetings
Department of Fisheries	Human Resource Development, Technical sessions and field visit
Hassan Cooperative milk producers Association, Hassan	Human Resource Development, Technical sessions and field visit

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

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Integrated farming system demonstrations	June 2011	State government through UAS (B)	45,00,000
CBTMPCS	January 2012	State government through UAS (B)	27000
Training for women coffee growers	January 2012	Coffee Board, Hassan	22700
Entrepreneurship Development Program	November 2011	ZP, Hassan	4,98,000
STEP	May 2011	KMF Hassan	1080000
Total			61,27,700

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/ No

S. No.	Programme	Nature of linkage	Remarks
1			-
2			-

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

Coordination activities between KVK and ATMA during 2011-12

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	**-**	**3**	**-**	**-**
02	**Research projects**				
03	**Training programmes**		**4**		
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl. specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

12.D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
1					

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

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

12.F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	Integrated farming system, Training programmes, Demonstrations and field days	Front line extension	-	1600*	-

*Remaining amount of previous year budget

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2011	6	1388	17
May	2	442	-
June	3	756	-
July	4	1345	10
August	2	830	-
September	2	304	-
October	6	2191	25
November	3	996	10
December	0	0	-
January 2012	0	0	-
February	4	761	-
March	3	1992	114
Total	35	11005	-

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.(Rs.)	Cost of inputs	Gross income	
1	Medicinal and aromatic block	2007-08	0.99	Drumstick PKM-1	960	9600	3,840	9600	
2	Mango Scion Bank	2007-08		Mango	72	2840	550	2840	
3	Fodder museum	2008-09		Sapota-Cricket ball	140	5600	1200	5600	
4	Vermicompost	2008-09		Lemon	1220	18300	9760	18300	
				Papaya	1324	14454	7944	14454	
				Chakramuni	243	2430	486	2430	
				Insulin	18	180	36	180	
				Arecanut	972	9720	4860	9720	
				Coconut	377	18190	5650	18190	
				Silver Oak	1466	4279	2932	4279	

13.B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Cereals									
Paddy	12-07-2011	21-11-2011		Tanu	TL	43	15600	58050	-
Ragi	15-09-2011	25-12-2011		GPU-48	TL	45	10600	92400	-
				GPU-66	TL	10	8500	22000	-
Maize				-					
Pulses									
Redgram	01-05-2011	12-12-2011		BRG-1	TL	6	1500	45000	-
Oilseeds									
Sesamum	28-04-2011	28-06-2011		GT-1	BS	1	1000	10000	-
Fibers									
Spices & Plantation crops									
-	-	-	-	-	-	-	-	-	-

Floriculture									
-	-	-	-	-	-	-	-	-	-
Fruits									
-	-	-	-	-	-	-	-	-	-
Vegetables									
-	-	-	-	-	-	-	-	-	-
Others (specify)									
Green fodder	-	-		Co-3	200000 no				

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Dairy	HF cross and Jersey cross	Milk	8352 lts	169800	183762	
2	Piggery	Yorkshire cross	Piglets	49	110400	81200	Swine fever outbreak
3	Sheep	UAS Breed	Lambs	9	32400	9900	Small unit
4	Poultry	Giriraja	3-4 week old Birds	4053	147075	246555	

13.E. Utilization of hostel facilities

Accommodation available (No. of beds): 40

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2011	79	6	-
May 2011	843	21	-
June 2011	735	15	-
July 2011	202	9	-
August 2011	152	13	-
September 2011	104	9	-
October 2011	94	6	-

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
November 2011	8	1	-
December 2011	372	20	-
January 2012	234	15	-
February 2012	619	29	-
March 2012	325	19	-

13.F. Database management

S. No	Database target	Database created
1	Nine fold classification of land	
2	Number and size of operational holdings	
3	Weather parameters of the district. (for a minimum period of ten years)	
4	Details of soil profile	
5	Detailed cropping pattern (for a minimum period of ten years)	
6	Area, production and productivity of major crops	
7	Details of livestock wealth in the district	
8	Production and productivity of livestock produces	
9	Area under irrigation from different sources	
10	Seasonal availability of labour	
11	Trend in wholesale price of major crop and livestock products (for a minimum period of ten years)	
12	Details on input agencies	yes
13	Details on infrastructural facilities available for production, post harvest and marketing	
14	Trainees data base since inception Details of institutional credit facilities	

13.G. Details on Rain Water Harvesting structure and micro-irrigation system –Nil-

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	Canara Bank	GKVK, Bangalore	-	-	-	-	-
With KVK	Canara Bank	Hassan	05311010	S.B.	45203	-	-

14.B. Utilization of funds under FLD on Cotton *(Rs. in Lakh)*

S. No	Items / Head	Opening balance if any	Remittance by ZPD VIII Bangalore	Actual expenditure dubitable to Council A/C	Closing balance if any	Remarks
1	**Production Technology**					
	a. Essential inputs	**-**	**-**	**-**	**-**	**-**
	b. POL, hiring vehicle, Kisan melas, printed materials, reports, demonstration boards	**-**	**-**	**-**	**-**	**-**
	Total					
2.	**Farm Implements**					
	a. New equipments	**-**	**-**	**-**		**-**
	b. Contingencies	**-**	**-**	**-**		**-**
	Total					

14.C. Utilization of KVK funds during the year 2011-12 (Rs. In lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	50.00	50.00	47.00
2	**Traveling allowances**	0.75	0.75	0.52
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.85	1.85	1.82
B	POL, repair of vehicles, tractor and equipments	1.82	1.82	1.81
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00	1.00	0.96
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.40	0.40	0.40
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.24	2.24	2.22
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.85	0.85	0.62
G	Training of extension functionaries	0.15	0.15	0.09
H	Maintenance of buildings	0.20	0.20	0.19
I	Extension Activities	0.24	0.24	0.23
J	Library	0.00	0.00	0.00
K	Farmers Field School	0.25	0.25	0.24
TOTAL (A)		**59.75**	**59.75**	**56.50**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments /Furniture**	-	-	-
3	**Generator**	-	-	-
4	**Power tiller**	-	-	-
5	**EPABX**	-	-	-
6	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		**0**	**0**	**0**
C. REVOLVING FUND		0	0	0
GRAND TOTAL (A+B+C)		**59.75**	**59.75**	**56.50**

14.D. Status of revolving fund (Rs. In lakh) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2009 to March 2010	676324	790488	650828	815989
April 2010 to March 2011	815989	829448	721529	869723 (bills sent to "C" 261165)
April 2011 to March 2012	608558	1197065	1130440	640120

15. Details of HRD activities attended by KVK staff during 2011-12

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. A.C. Girish	Programme Assistant (Lab tech)	Rodent control	STU, Hebbal	28th November to 05th December

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

SUMMARY FOR 2011-12

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management			
Varietal Evaluation	Paddy	Swarna Sub Paddy Variety for Submerged Condition	5
Integrated Pest Management	Ginger	Management of shoot borer	5
Integrated Crop Management	Maize	Yield maximization through High Plant Density and Fertilizer Management in Maize	5
	Brinjal	Performance of Hybrid Brinjal (Arka anand) with Wider Spacing	5
	Watermelon	Production of Watermelon through Transplanting	5
Integrated Disease Management	Ginger	Management of Soft Rot in Ginger	5
	Potato	Management of Lateblight in Potato	5
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			

Thematic areas	Crop	Name of the technology assessed	No. of trials
Drudgery Reduction			
Storage Technique	Pulse	Management of pulse storage beetle through Neem leaves & Ginger powder	5
Others (Pl. specify)			
Total			**40**

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	Poultry	Oral pellet Ranikhet vaccine	5
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			5

Summary of technologies assessed under various enterprises

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

Summary of technologies assessed under home science

Thematic areas	Enterprise	Name of the technology assessed	No. of trials
Pulses storage	Storage	Management of pulse storage beetle through Neem leaves & Ginger powder	5

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops

Thematic areas	Crop	Name of the technology refined	No. of trials
Integrated Nutrient Management			
Varietal Evaluation			
Integrated Pest Management			
Integrated Crop Management			
Integrated Disease Management			
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			
Storage Technique			
Others (Pl. specify)			
Total			

Summary of technologies assessed under refinement of various livestock

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			

Summary of technologies refined under various enterprises

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

Summary of technologies refined under home science

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

III. FRONTLINE DEMONSTRATION

Cotton

Frontline demonstration on cotton

Crop	Thematic Area	Name of the technology demonstrated	No. of KVKs	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	*Area (ha)*	*Yield (q/ha)*		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals	HYV	Integrated crop management in paddy var. KCP-1	1	14	5	56.48	46.62	21.15	-	-	29500	53656	24156	0.81	27000	44289	17289	0.64
	Crop production	Introduction of short duration KMP-105 for summer	1	10	5	48.63	38.46	26.44	-	-	29500	46199	16699	0.56	26500	36537	10037	0.37
	Crop production	Integrated crop management in wheat var. DWR-162	1	10	2	60.21	52.87	13.88	-	-	42678	121500	78822	1.85	40892	79305	38413	0.94

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	*Area (ha)*	*Yield (q/ha)*		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Safe storage of food grain	Use of Metal Bins for paddy seed storage	1	7	2	In progress												
Millets	HYV	Introduction of high yielding variety of ragi GPU-66	1	27	20	21.03	15.18	42.02	-	-	14650	26288	11638	0.79	9800	14421	4621	0.47
Oilseeds																		
Pulses																		
Vegetables	IPM	Fenazaquin and Wettable sulphur sequential spray	1	10	2	109.8	97	13.20	**-**	**-**	20740	87840	67100	3.23	15050	77600	62550	4.16
	ICM	Introduction of IIHR chilli variety to the Hassan region	1	5	2	In progress												
Flowers	Encouraging floriculture through introduction of china aster	Popularization of china aster var. Kamini	1	5	0.5	11.5	9	21.7	**-**	**-**	69000	230000	161000	2.33	69000	180000	111000	1.6
Ornamental																		

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	*Area (ha)*	*Yield (q/ha)*		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fruit Banana	Micronutrient Management through Banana Special	Dwarf Cavendish	**1**	**10**	4.0	28.2	26.7	5.6			52300	1,69,200	1,69,00	3.2	51400	160200	108800	3.11
Banana	Enhancement of Banana bunch size through post shoot feeding of nutrients	Dwarf Cavendish	1	09	3.6	32.0	28.5	12.28			51800	192000	140200	3.7	49500	171000	121500	3.45
Spices and condiments	Post harvest processing and valve addition	Value Addition through Pepper Drying using LDPE polythen sheets	1	12	2	36.5/ 100kg	33kg/100kg	3.5	-	-	4000	8360	4360	2.0	5000	6600	1600	1.32
Commercial																		
Medicinal and aromatic																		
Fodder	Fodder enhancement	High yielding fodder variety Co-4	1	23	5	168.08	152.87	9.94	**-**	**-**	28900	1682080	139180	4.82	26900	122296	95396	3.54
Plantation																		

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	*Area (ha)*	*Yield (q/ha)*		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fibre																		
Others (pl.specify)	IPM	Poison bait against giant African snail *Achatina fulica*	1	10	4	269.20	0	100	-	-	15500	37500	22000	2.42	15500	33750	18250	2.17
	IPM	UAS pulse storage technology	1	20	20 units	0	93.50	100	-	-	400	2250	1850	4.63	50	2049.90	1999.90	40.00

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

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	Reproduction	Vit. E and Mineral Mixture	1	5	50	7.8 No. of animals conceived within 90 days after calving	6.6	66	-	-	2643	11200	8557	3.23	2475	8400	5925	2.39
	Maize Dry fodder treatment	Enrichment of dry fodder	1	5	10	21.6 % wastage	41.6	48.07	-	-	-	-	-	-	-	-	-	-
Poultry	Turkey in backyard	Turkey birds	1	10	100	-	-	In progress										
Rabbitry																		
Pigerry	Scientific management	Castration and Iron supplementation	1	5	100	80.4 kg body wt.	60.6 kg body wt.	32.67			4515	6030	1515	0.33	4375	4545	170	0.038
Sheep and goat																		
Duckery																		
Others (pl.specify)																		
		Total																

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps,Catla	Seed rearing Survivability	Fry to Fingerling seed Production of Catla	1	4	4	46	25	21	-	-	5000	23000	18000	3.6	5000	12500	7500	2.5
Mussels																		
Ornamental fishes																		
Others (pl.specify)																		
		Total	**1**	**4**	**4**													

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (pl.specify)																	

Total				

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of KVKs	No. of demonstrations	Name of observations	Demonstration	Check
Women						
Pregnant women						
Adolescent Girl						
Other women						
Children						
Neonats						
Infants						
Children						

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit ect.)			
						Demonstration	Check									
														-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonst-ration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Rice										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonst-ration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Others (pl.specify)chilli	Arka meghana	5	0.75	In progress						
Total										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Sugarcane										
Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

IV. Training Programme

Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	2	62	1	63	13	3	16	75	4	79
Crop Diversification										
Integrated Farming	1	38	0	38	9	0	9	47	0	47
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	4	127	0	127	1	0	1	128	0	128
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	56	10	66	3	1	4	59	11	70
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	2	8	79	87	0	4	4	4	87	91
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs	1	7	1	8	0	0	0	7	1	8
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	32	11	1294	1305	0	60	60	11	1354	1365
Poultry Management										
Piggery Management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	1	0	3	3	0	1	1	0	4	4
Production of quality animal products										
Others (pl.specify)) sheep and goat management	2	51	18	69	0	0	0	51	18	69
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment	1	18	9	27	0	3	3	18	12	30
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	3	59	14	73	1	2	3	60	16	76
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	24	13	572	585	3	404	407	16	976	992
Others (pl.specify) Marketing										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**76**	**461**	**2007**	**2468**	**38**	**478**	**516**	**499**	**2485**	**2984**

Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	5	116	127	243	31	7	38	147	134	281
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	1	15	10	25	0	0	0	15	10	25
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	16	2	18	2	2	4	18	4	22
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)	1	8	12	20	1	6	7	9	18	27

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Floriculture cultivation and practices										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify) precision farming	1	0	19	19	0	10	10	0	29	29
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	3	35	28	63	30	40	70	65	68	133
Integrated water management										
Integrated nutrient management	5	155	14	169	8	20	28	163	34	197
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	2	42	21	63	20	12	32	62	33	95
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	5	117	38	155	14	5	19	131	43	174
Poultry Management	5	171	44	215	15	10	25	186	54	240
Piggery Management	2	63	23	86	3	0	3	66	23	89
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology	2	0	10	10	58	20	78	58	30	88
Production of quality animal products										
Others (pl.specify) Integrated livestock farming	1	17	15	32	4	4	8	21	19	40
Others (pl.specify) stall feeding of sheep and goats	1	24	0	24	0	0	0	24	0	24
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Value addition	7	0	186	186	0	64	64	0	250	250
Women empowerment	1	0	16	16	0	7	7	0	23	23
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	6	187	23	210	1	0	1	188	23	211
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify) Marketing										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**49**	**966**	**588**	**1554**	**187**	**207**	**394**	**1153**	**795**	**1948**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	2	54	4	58	13	5	18	67	9	76
Seed production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	1	23	0	23	1	0	1	24	0	24
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	1	11	33	44	0	0	0	11	33	44
Sheep and goat rearing	2	51	18	69	0	0	0	51	18	69
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture	1	11	6	17	8	0	8	19	6	25
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Importance of water management in dry land	1	30	0	30	0	0	0	30	0	30
TOTAL	8	180	61	241	22	5	27	202	66	268

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	42	7	49	0	0	0	42	7	49
Sheep and goat rearing	1	24	0	24	0	0	0	24	0	24
Quail farming										
Piggery	2	63	23	86	3	0	3	66	23	89
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) soil samplings and soil testing importance	2	42	21	63	20	12	32	62	33	95
TOTAL	**7**	**171**	**51**	**222**	**23**	**12**	**35**	**194**	**63**	**257**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	48	0	48	21	0	21	69	0	69

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Pest Management	1	37	0	37	0	0	0	37	0	37
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	1	21	12	33	0	0	0	21	12	33
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**4**	**106**	**12**	**118**	**21**	**0**	**21**	**127**	**12**	**139**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	1	10	3	13	0	0	0	10	3	13
Integrated Nutrient management	01	10	02	12	02	02	04	12	04	16
Rejuvenation of old orchards										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Protected cultivation technology	1	18	3	21	0	0	0	18	3	21
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**3**	**38**	**8**	**46**	**2**	**2**	**4**	**40**	**10**	**50**

Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	**6**	138	80	218	22	7	29	160	**87**	247
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify) Dairy animal management	32	11	1294	1305	0	60	60	11	1354	1365
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify) Entrepreneurship Development Program	24	13	572	585	3	404	407	16	976	992
	Total	**62**	**162**	**1946**	**2108**	**25**	**471**	**496**	**187**	**2417**	**2604**

Details of vocational training programmes carried out for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify) Apiculture	1	23	0	23	1	0	1	24	0	24
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	7	200	5	205	41	8	49	241	13	254
5.b.	Others (pl.specify)										
	Grand Total	**8**	**223**	**5**	**228**	**42**	**8**	**50**	**265**	**13**	**278**

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	1226	1226		
Diagnostic visits	64	706		
Field Days	12	1071		

Group discussions	26	1033		
Kisan Ghosthi	0	0		
Film Show	59	2523		
Self -help groups	0	0		
Kisan Mela	0	0		
Exhibition	6	-		
Scientists' visit to farmers field	28	550		
Plant/animal health camps	17	740		
Farm Science Club	0	0		
Ex-trainees Sammelan	0	0		
Farmers' seminar/workshop	6	-		
Method Demonstrations	8	211		
Celebration of important days	7	542		
Exposure visits	34	1381		
Others (pl.specify)	-	-		
Total	**1381**	**9983**		

Details of other extension programmes

Particulars	**Number**
Electronic Media	
Extension Literature	1446
News Letter	
News paper coverage	84
Technical Articles	
Technical Bulletins	
Technical Reports	
Radio Talks	4
TV Talks	1
Animal health amps (Number of animals treated)	3903
Total	**5438**

PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (qtl)	Value (Rs)	Number of farmers
Cereals (crop wise)	Paddy	Tanu	43q	58050	175
	Ragi	GPU-48	45 q	9900	900
	Ragi	GPU-66	15 q	33000	300
Oilseeds	Sesamum	GT-1	50 kg	5000	20
Pulses	Redgram	BRG-1	6q	45000	-
Commercial crops	Sugarcane	CO 62175	150 t	292500	-
Vegetables					
Flower crops					
Spices					
Fodder crop seeds	Grass slips	CO 3	55000	12500	
	Grass slips	CO 4	133500	75000	150
Fiber crops					
Forest Species					
Others (specify)					
Total				**485950**	1545

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial					
Vegetable seedlings	Drumstick	PKM-1	2398	23980	
	Curry leaves	Local	159	1590	181
Fruits	Mango	Mix	2130	85200	
	Sapota	Cricket ball	1703	68120	
	Lemon	Local	5063	75945	
	Papaya	Red lady	1051	12612	

	Amla		4232	76176	
Ornamental plants					
Medicinal and Aromatic	Chakramuni	Local	32	320	
	Insulin	Local	17	170	
Plantation	Arecanut	Thirthahalli local	411	4110	
Spices					
Tuber					
Fodder crop saplings					
Forest Species	Silver Oak	Local	5137	15411	
Others(specify)					
Total			**22333**	**363634**	**181**

Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**No. of Farmers**
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows	Cross breeds	8352 ltrs of milk	183744	
Buffaloes				
Calves	Cross breeds	01	600	01
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)	Giriraja	4053	246555	3400
Japanese Quail				
Sheep				
Emu				
Ducks				
Others (Pl. specify) Rabbits				
Piggery				
Piglet	Yorkshire cross	49	81200	16
Others (Pl.specify)sheep	UAS Breed	9	9900	09
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total			**521999**	**3426**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2011-12

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	**1501**	**1207**	**804**	**45040**
Water	**25**	**20**	**17**	**1500**
Plant	**-**	**-**	**-**	**-**
Manure	**-**	**-**	**-**	**-**
Others – Copper Sulphate	**-**	**-**	**-**	**-**
Lime	**-**	**-**	**-**	**-**
Total	1526	1227	821	46540

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted - 1

IX. NEWSLETTER

Number of issues of newsletter published
-nil-

X. RESEARCH PAPER PUBLISHED

Number of research paper published :

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

-Nil-

Activities conducted				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**

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